

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101818\
 Data File : BF109959.D
 Acq On : 18 Oct 2018 14:17
 Operator : JU/SJ
 Sample : J5565-06MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Manual Integrations
 APPROVED

Sohil
 10/19/2018 12:08:34 PM

Quant Time: Oct 19 02:50:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	236823	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	923454	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	415784	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	727614	20.00	ng	0.00
76) Chrysene-d12	14.16	240	412469	20.00	ng	0.00
87) Perylene-d12	15.69	264	428843	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1796513	120.25	ng	0.01
7) Phenol-d6	6.60	99	2287759	123.32	ng	0.00
23) Nitrobenzene-d5	7.55	82	1417710	103.42	ng	0.00
42) 2,4,6-Tribromophenol	10.82	330	477905	132.76	ng	0.00
45) 2-Fluorobiphenyl	9.34	172	2096252	80.45	ng	0.00
79) Terphenyl-d14	13.10	244	1597412	81.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.93	88	246657	29.068	ng	94
3) Pyridine	3.69	79	697096	36.848	ng	88
4) n-Nitrosodimethylamine	3.65	42	339824	44.034	ng	# 99
6) Aniline	6.65	93	512812	20.512	ng	# 52
8) 2-Chlorophenol	6.77	128	705105	42.133	ng	97
9) Benzaldehyde	6.53	77	294884	24.460	ng	99
10) Phenol	6.62	94	1044353	52.140	ng	# 62
11) bis(2-Chloroethyl)ether	6.72	93	671946	40.122	ng	95
12) 1,3-Dichlorobenzene	6.92	146	738356	40.236	ng	96
13) 1,4-Dichlorobenzene	7.00	146	740914	40.090	ng	98
14) 1,2-Dichlorobenzene	7.15	146	686006	40.310	ng	98
15) Benzyl Alcohol	7.12	79	614249	43.037	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.25	45	1085866	39.503	ng	68
17) 2-Methylphenol	7.22	107	590236	43.738	ng	# 80
18) Hexachloroethane	7.49	117	272627	41.743	ng	99
19) n-Nitroso-di-n-propylamine	7.39	70	475366	39.907	ng	98
20) 3+4-Methylphenols	7.37	107	716018	41.812	ng	95
22) Acetophenone	7.39	105	942745	44.021	ng	97
24) Nitrobenzene	7.56	77	709034	47.612	ng	93
25) Isophorone	7.80	82	1335701	49.589	ng	96
26) 2-Nitrophenol	7.87	139	366971	59.433	ng	94
27) 2,4-Dimethylphenol	7.90	122	661094	50.955	ng	98
28) bis(2-Chloroethoxy)methane	8.00	93	851620	46.069	ng	99
29) 2,4-Dichlorophenol	8.12	162	583586	46.368	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	615756	43.695	ng	96
31) Naphthalene	8.29	128	1935596	45.709	ng	99
32) Benzoic acid	7.98	122	98038	12.128	ng	90
33) 4-Chloroaniline	8.33	127	100854	5.298	ng	96
34) Hexachlorobutadiene	8.39	225	330309	42.506	ng	99
35) Caprolactam	8.70	113	185846m	41.577	ng	
36) 4-Chloro-3-methylphenol	8.81	107	606048	45.645	ng	93
37) 2-Methylnaphthalene	8.97	142	1305716	47.618	ng	98
38) 1-Methylnaphthalene	9.07	142	1235315	46.492	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.15	216	550167	42.960	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.13	237	616771	99.782	nq	98
43) 2,4,6-Trichlorophenol	9.25	196	389818	48.680	nq	95
44) 2,4,5-Trichlorophenol	9.29	196	404179	48.631	nq	95
46) 1,1'-Biphenyl	9.44	154	1554877	41.973	nq	99
47) 2-Chloronaphthalene	9.47	162	1179514	43.226	nq	98
48) 2-Nitroaniline	9.56	65	373878	53.391	nq	93
49) Acenaphthylene	9.89	152	1819716	45.905	nq	97
50) Dimethylphthalate	9.74	163	1660823	56.411	nq	99
51) 2,6-Dinitrotoluene	9.80	165	313156	56.002	nq	92
52) Acenaphthene	10.06	154	1156634	45.830	nq	99
53) 3-Nitroaniline	9.97	138	149080	21.916	nq	96
54) 2,4-Dinitrophenol	10.07	184	126348	71.938	nq	90
55) Dibenzofuran	10.23	168	1568072	43.567	nq	94
56) 4-Nitrophenol	10.13	139	503434	96.996	nq	94
57) 2,4-Dinitrotoluene	10.21	165	396516	55.358	nq	# 86
58) Fluorene	10.57	166	1208649	46.131	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.35	232	330411	50.163	nq	97
60) Diethylphthalate	10.44	149	1301448	44.756	nq	99
61) 4-Chlorophenyl-phenylether	10.56	204	578672	42.400	nq	97
62) 4-Nitroaniline	10.59	138	313115	48.628	nq	92
63) Azobenzene	10.72	77	1252154	41.219	nq	96
65) 4,6-Dinitro-2-methylphenol	10.62	198	137977	51.628	nq	94
66) n-Nitrosodiphenylamine	10.68	169	1089296	44.949	nq	96
67) 4-Bromophenyl-phenylether	11.06	248	356881	45.258	nq	97
68) Hexachlorobenzene	11.12	284	366736	43.613	nq	95
69) Atrazine	11.20	200	361487	47.754	nq	99
70) Pentachlorophenol	11.32	266	359995	75.226	nq	97
71) Phenanthrene	11.54	178	1672630	44.403	nq	99
72) Anthracene	11.59	178	1717349	45.347	nq	99
73) Carbazole	11.75	167	1467024	39.416	nq	99
74) Di-n-butylphthalate	12.06	149	1824458	43.923	nq	100
75) Fluoranthene	12.73	202	1472566	39.132	nq	99
77) Benzidine	12.85	184	607832	38.435	nq	96
78) Pyrene	12.96	202	1401585	46.265	nq	99
80) Butylbenzylphthalate	13.57	149	608925	49.717	nq	98
81) Benzo(a)anthracene	14.15	228	1121448	46.159	nq	99
82) 3,3'-Dichlorobenzidine	14.11	252	272234	31.962	nq	99
83) Chrysene	14.19	228	1032931	44.666	nq	99
84) Bis(2-ethylhexyl)phthalate	14.12	149	841815	52.235	nq	94
85) Di-n-octyl phthalate	14.74	149	1319083	58.056	nq	99
86) Indeno(1,2,3-cd)pyrene	17.26	276	1303683	70.016	nq	# 95
88) Benzo(b)fluoranthene	15.23	252	1109206	44.864	nq	99
89) Benzo(k)fluoranthene	15.26	252	1061979m	43.579	nq	
90) Benzo(a)pyrene	15.62	252	1088235	47.858	nq	97
91) Dibenzo(a,h)anthracene	17.28	278	1073198	53.256	nq	97
92) Benzo(g,h,i)perylene	17.74	276	1044502	51.300	nq	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

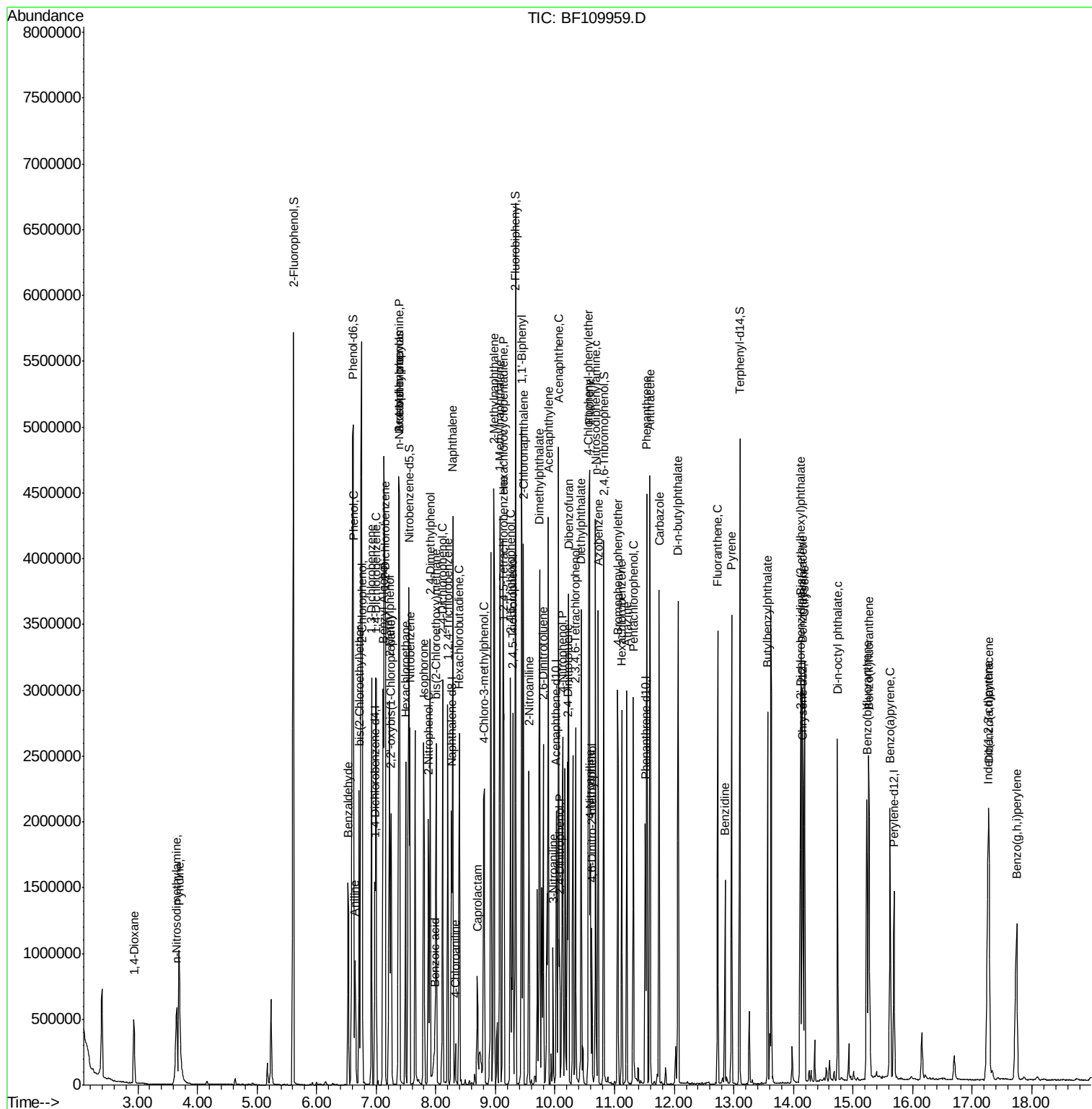
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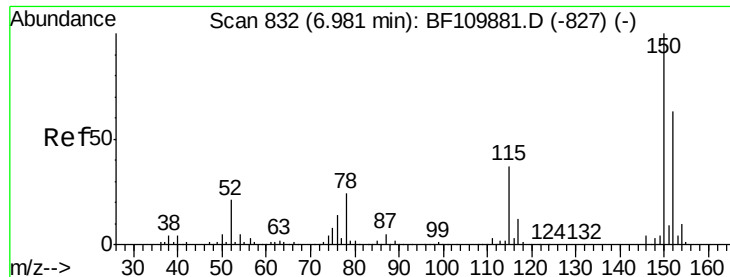
Instrument :
BNA_F
ClientSampled :
RLF-SD-5MSD

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#1

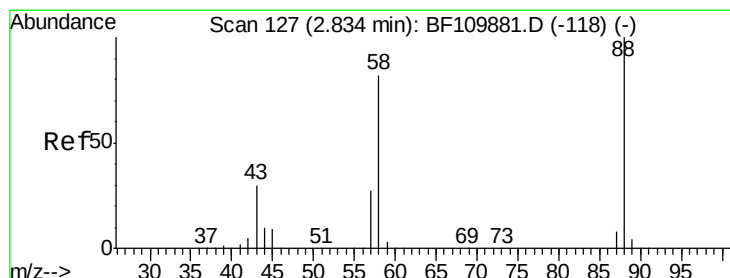
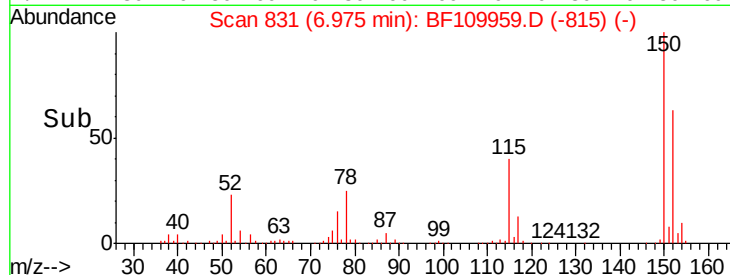
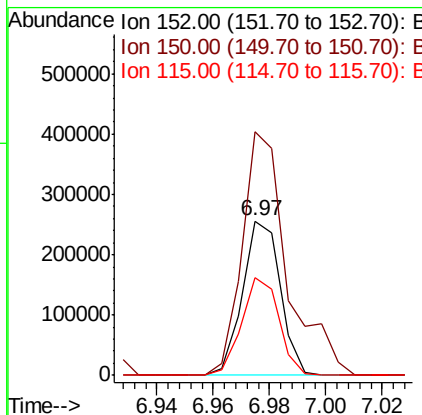
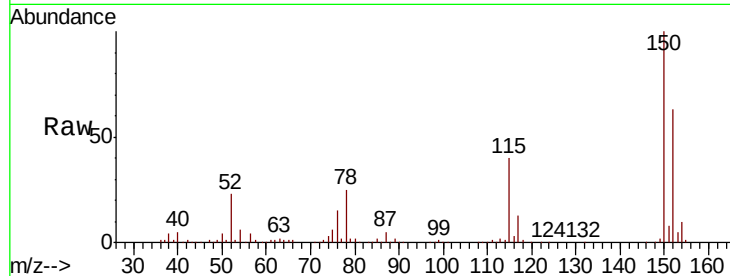
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	63.3	49.1	73.7

Manual Integrations
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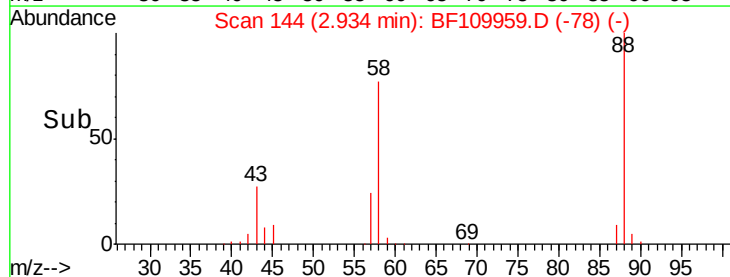
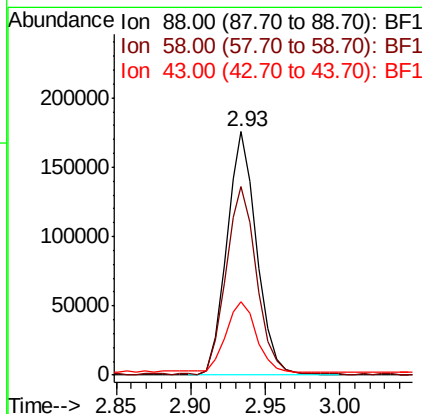
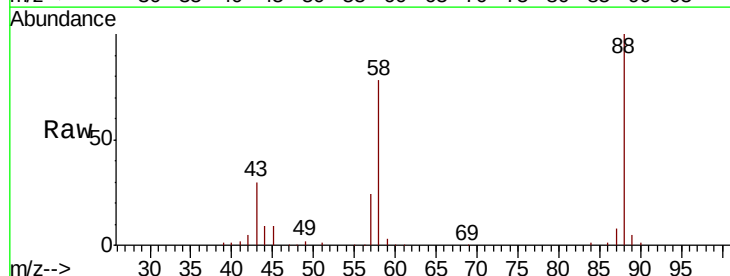
Sohil
10/19/2018 12:08:34 PM

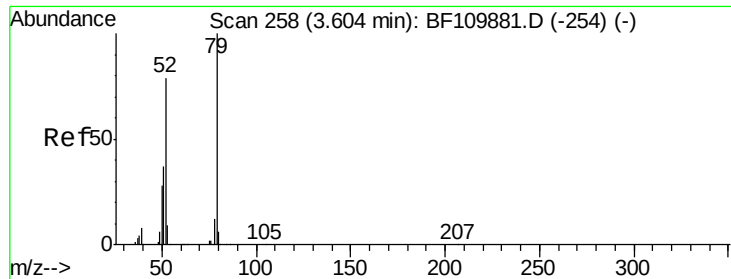


#2

1,4-Dioxane
Concen: 29.068 ng
RT: 2.93 min Scan# 144
Delta R.T. 0.09 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.7	57.1	85.7
43	29.7	24.1	36.1





#3

Pvridine

Concen: 36.848 ng

RT: 3.69 min Scan# 273

Delta R.T. 0.08 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

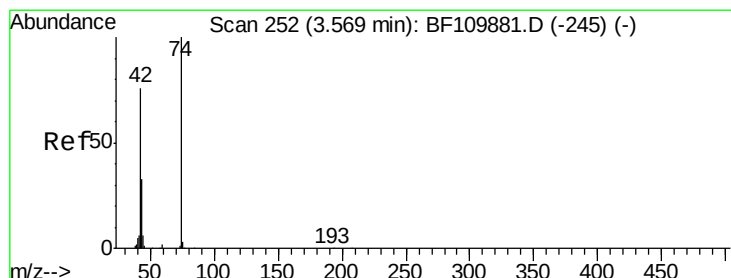
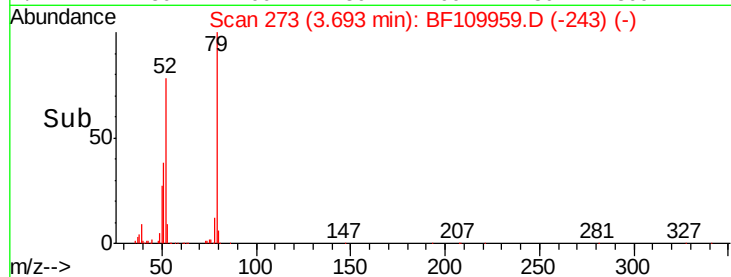
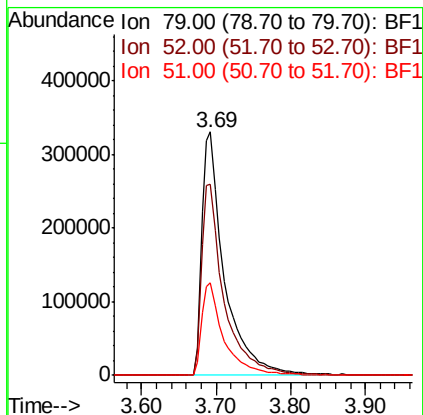
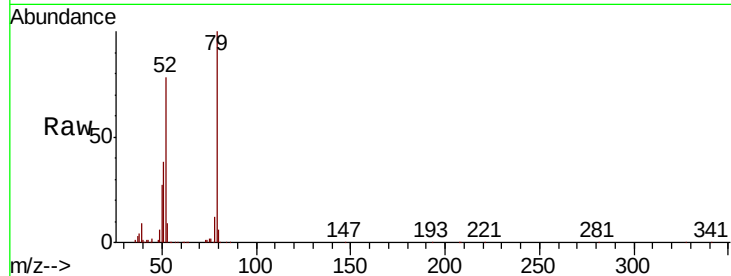
ClientSampleId :

RLF-SD-5MSD

Tot Ion:	79	Resp:	697096
Ion Ratio	Lower	Upper	
79	100		
52	78.4	53.1	79.7
51	38.3	27.4	41.2

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#4

n-Nitrosodimethylamine

Concen: 44.034 ng

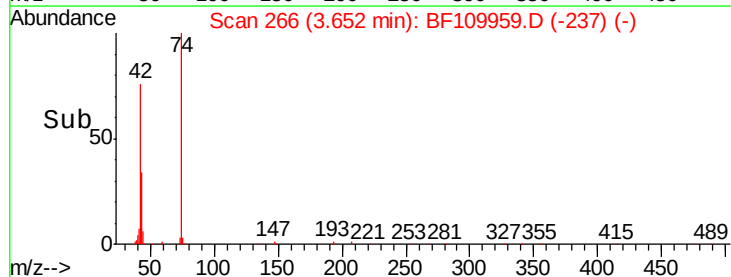
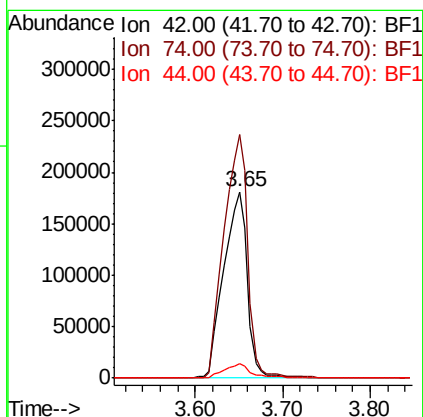
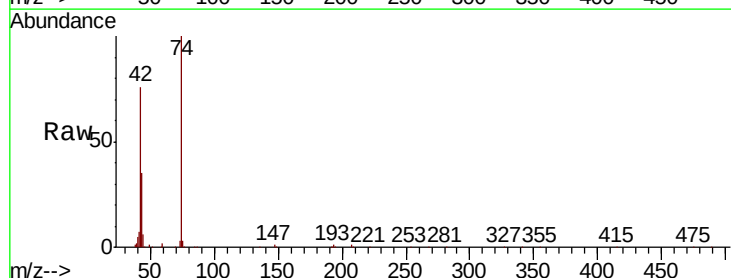
RT: 3.65 min Scan# 266

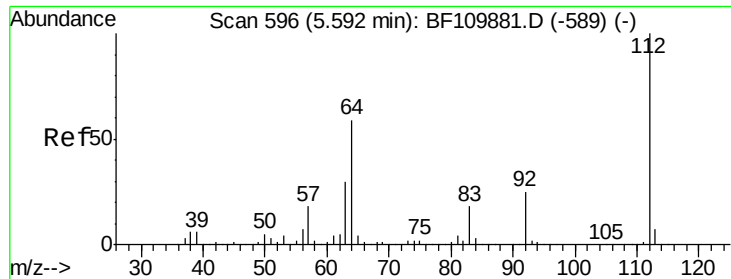
Delta R.T. 0.07 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Tgt Ion:	42	Resp:	339824
Ion Ratio	Lower	Upper	
42	100		
74	130.8	105.5	158.3
44	7.6	4.9	7.3





#5

2-Fluorophenol

Concen: 120.247 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion: 112 Resp: 1796513

Ion Ratio Lower Upper

112 100

64 61.7 44.1 66.1

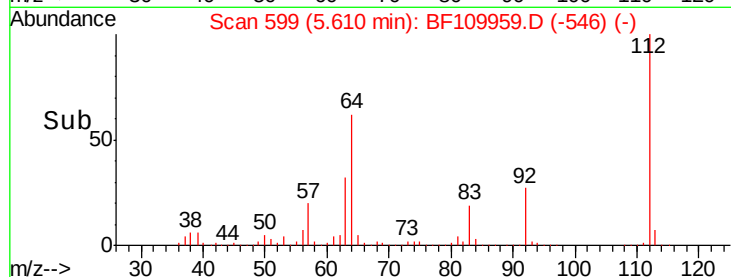
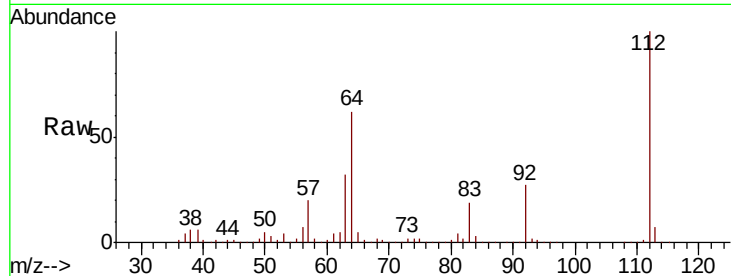
63 32.4 23.7 35.5

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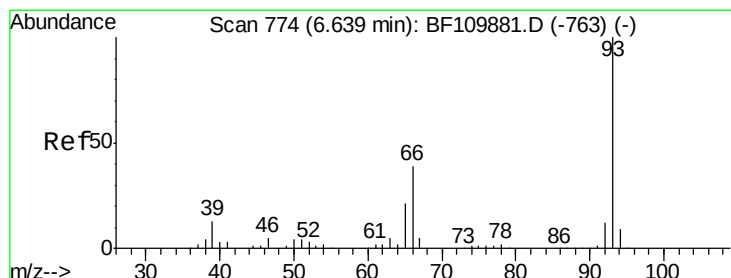
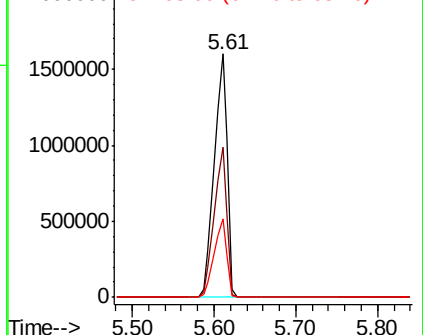
10/19/2018 12:08:34 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.512 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

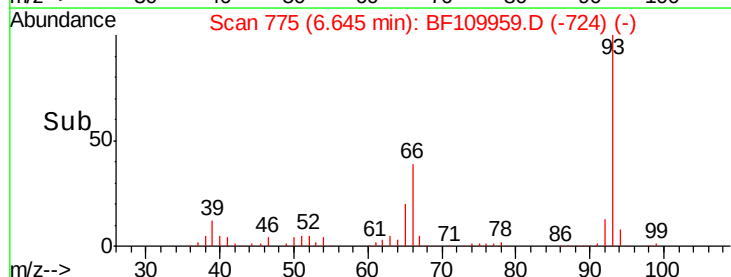
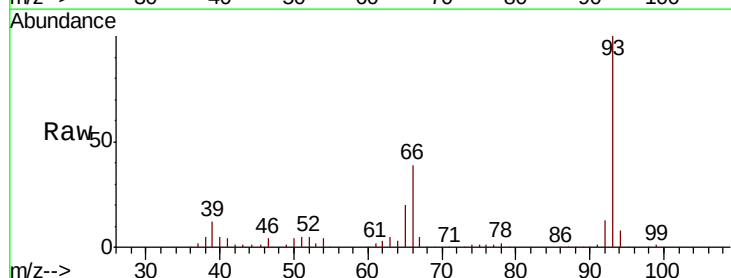
Tgt Ion: 93 Resp: 512812

Ion Ratio Lower Upper

93 100

66 39.3 67.4 101.0#

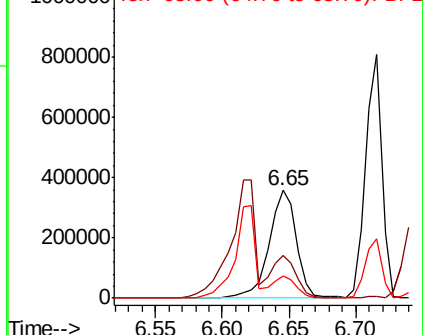
65 20.2 41.0 61.4#

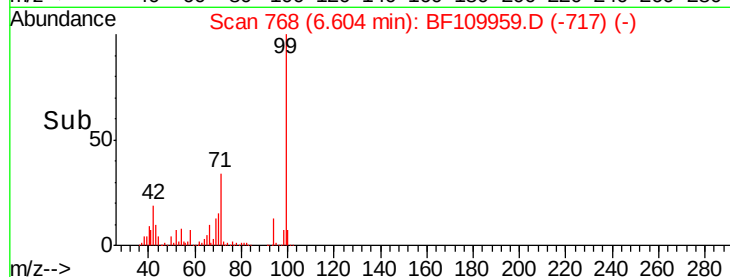
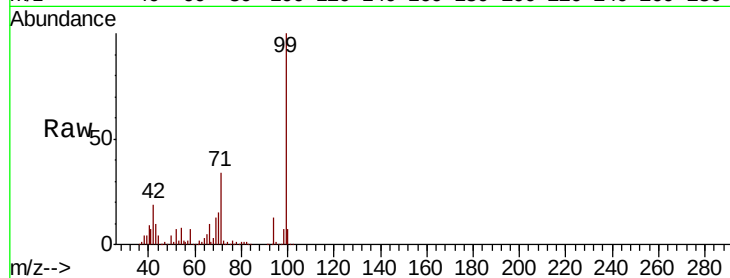
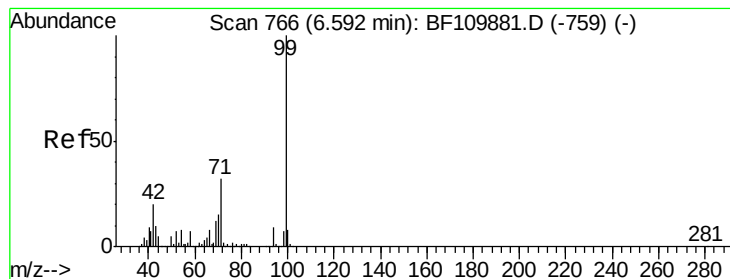


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 123.317 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Tot Ion: 99 Resp: 2287759

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

71 34.5 28.0 42.0

Instrument :

BNA_F

ClientSampleId :

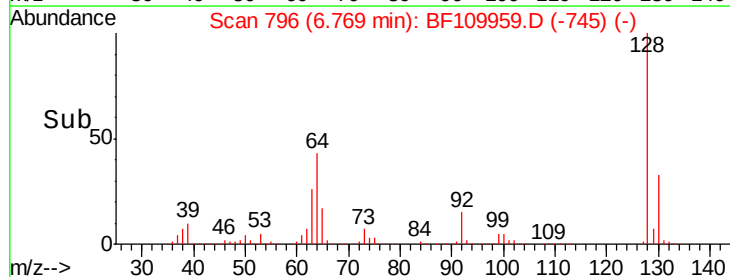
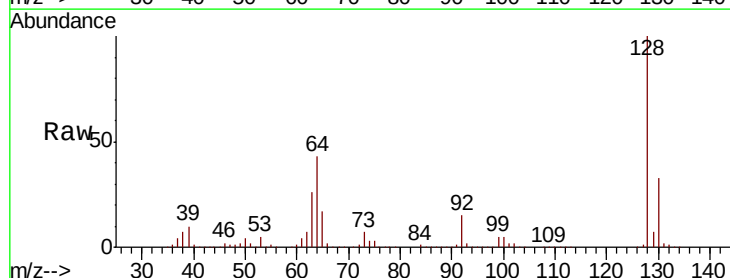
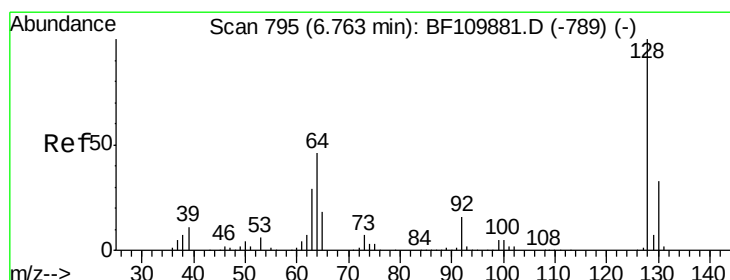
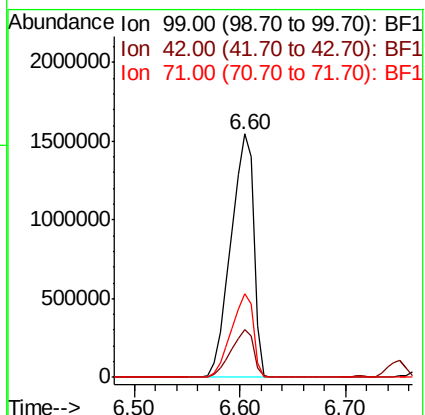
RLF-SD-5MSD

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#8

2-Chlorophenol

Concen: 42.133 ng

RT: 6.77 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

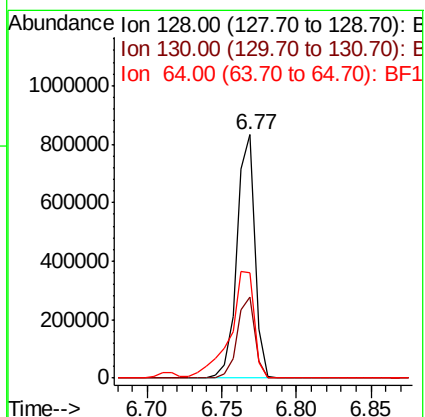
Tgt Ion: 128 Resp: 705105

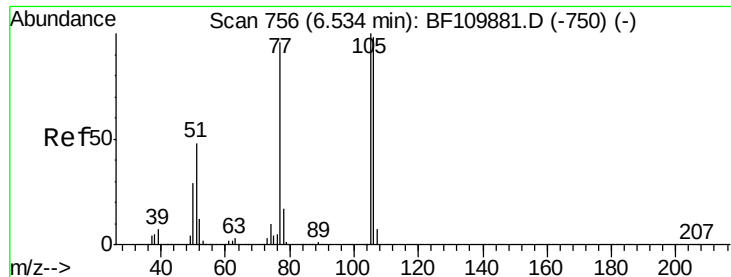
Ion Ratio Lower Upper

128 100

130 33.5 13.1 53.1

64 43.4 26.0 66.0





#9

Benzaldehyde

Concen: 24.460 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

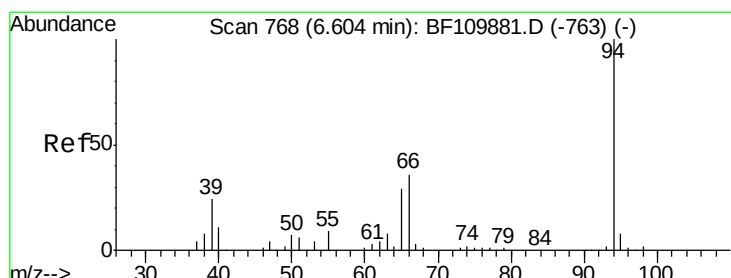
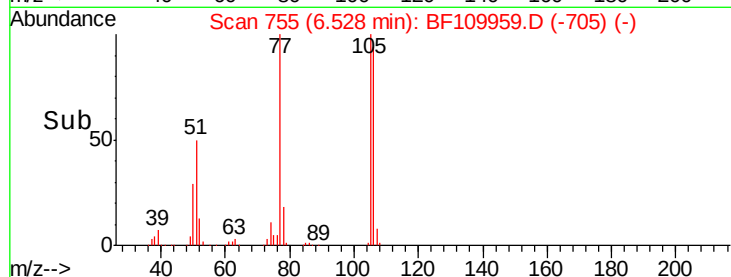
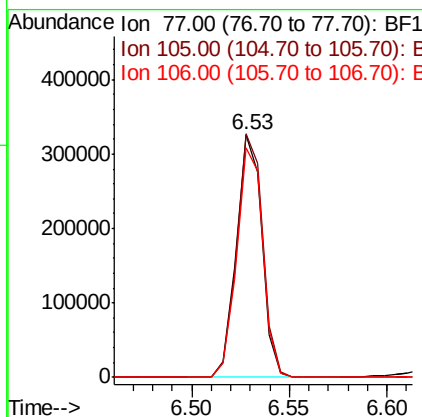
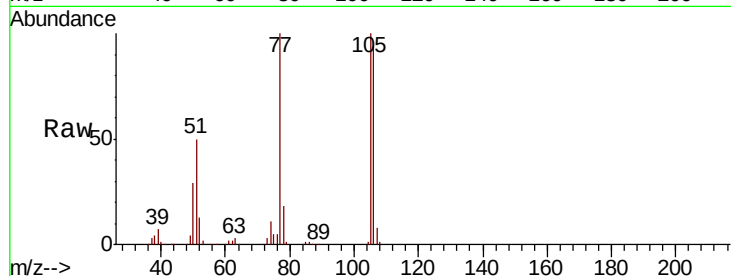
ClientSampleId :

RLF-SD-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	100.5	78.6	118.6		
106	94.6	74.8	114.8		

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#10

Phenol

Concen: 52.140 ng

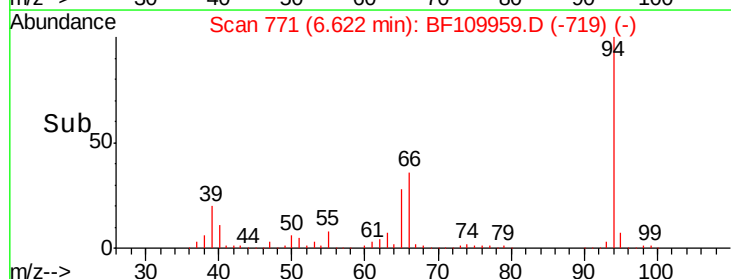
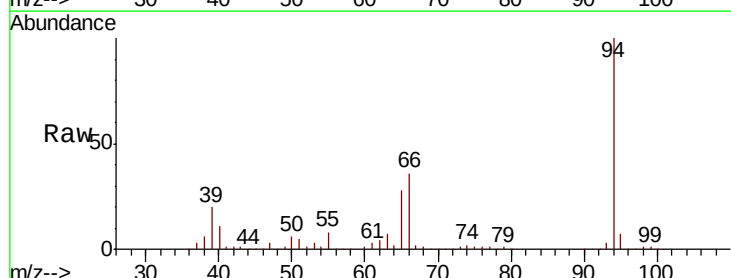
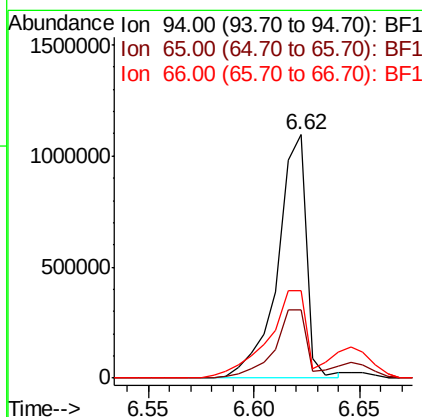
RT: 6.62 min Scan# 771

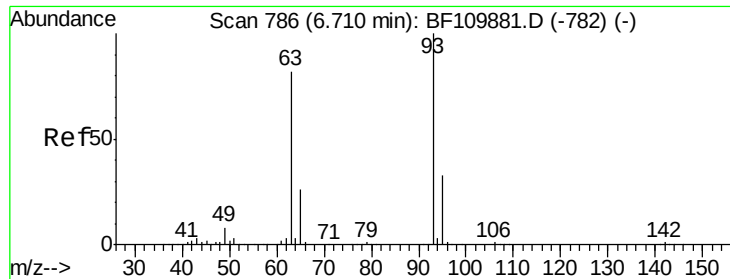
Delta R.T. 0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	27.9	25.3	65.3		
66	35.8	54.5	94.5#		





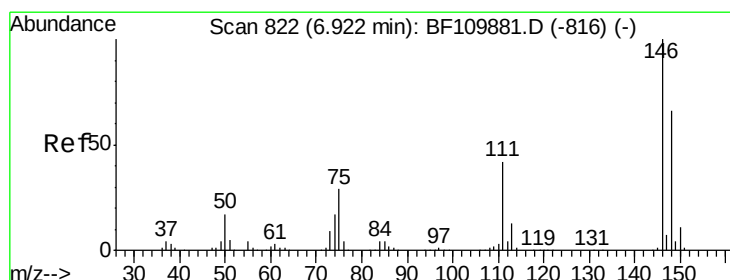
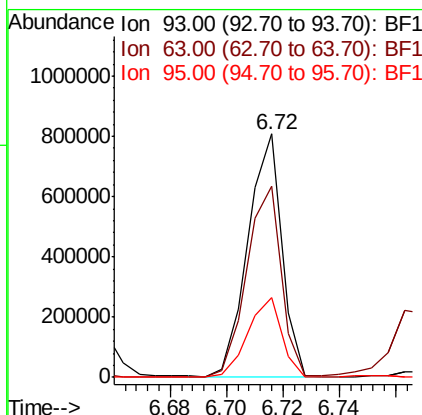
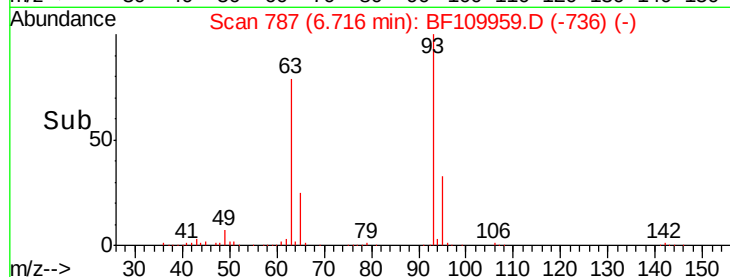
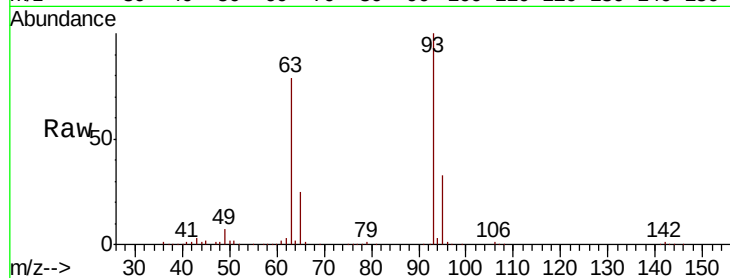
#11
bis(2-Chloroethyl)ether
Concen: 40.122 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion:	93	Resp:	671946
Ion	Ratio	Lower	Upper
93	100		
63	78.6	53.4	93.4
95	32.9	12.1	52.1

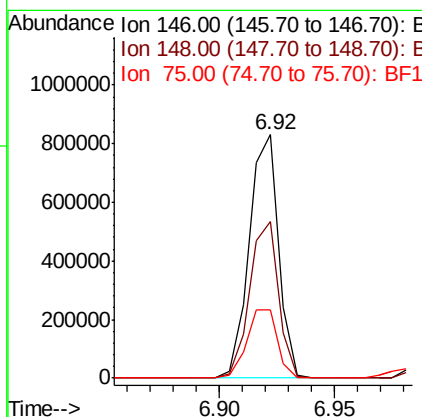
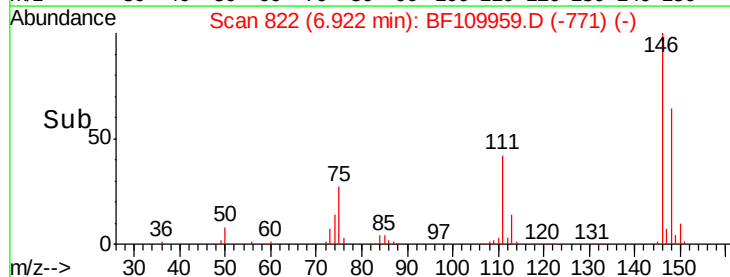
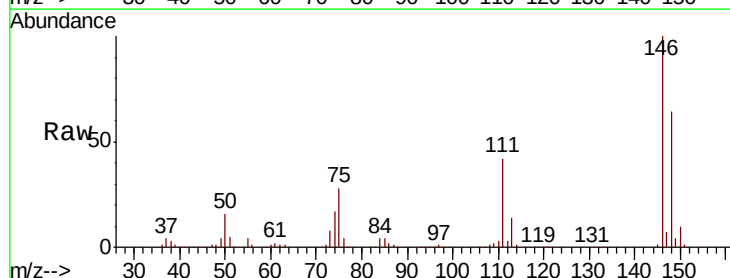
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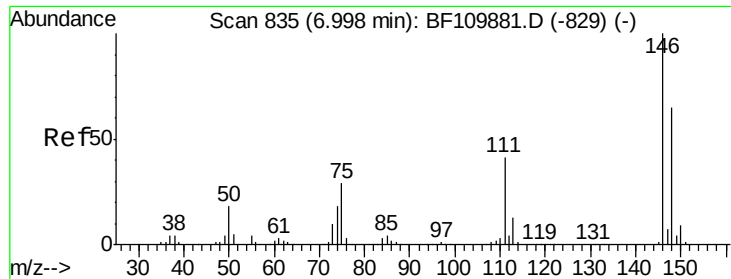
Sohil
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#12
1,3-Dichlorobenzene
Concen: 40.236 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:	146	Resp:	738356
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.4	75.6
75	27.9	25.8	38.6





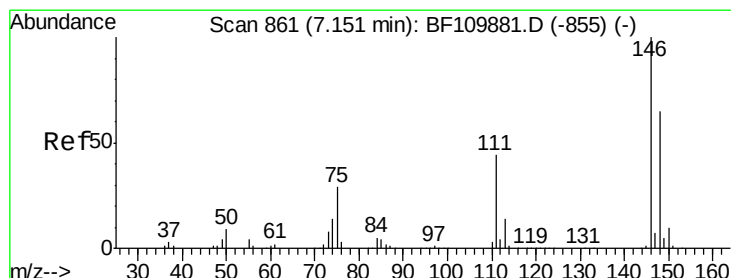
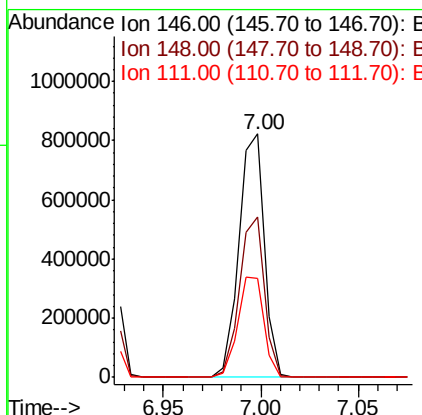
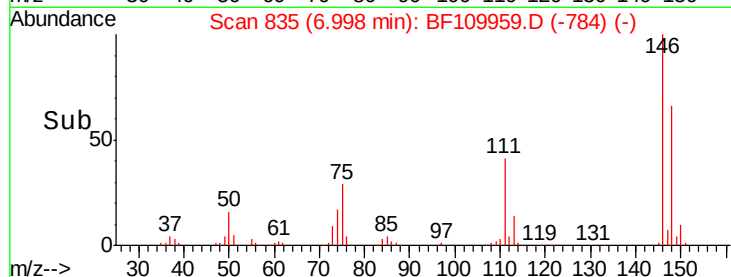
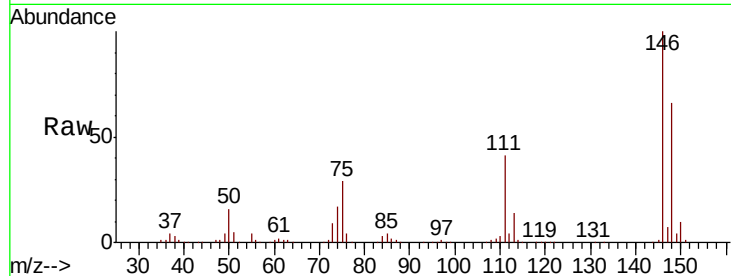
#13
 1,4-Dichlorobenzene
 Concen: 40.090 ng
 RT: 7.00 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleID :
 RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.3	75.5
111	40.9	32.7	49.1

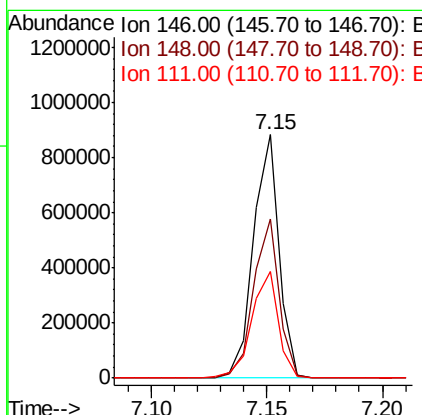
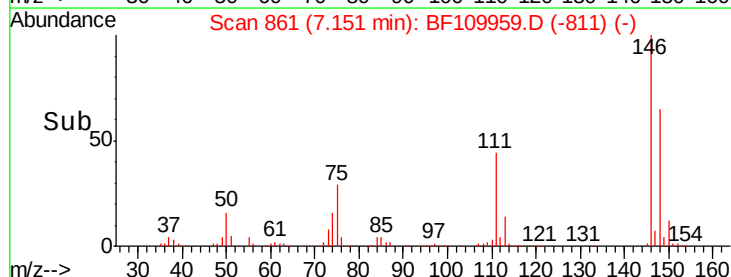
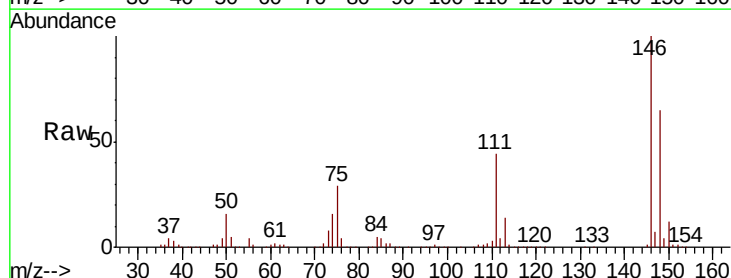
Manual Integrations
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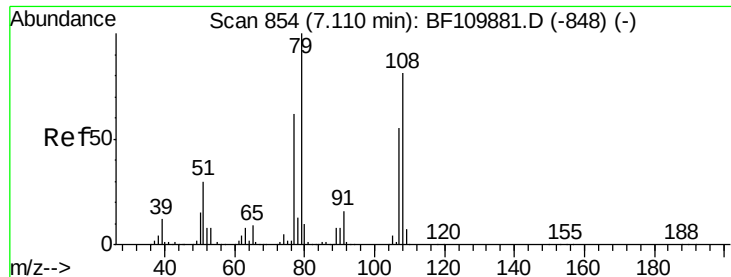
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 40.310 ng
 RT: 7.15 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.1	76.7
111	43.9	35.8	53.6





#15

Benzyl Alcohol

Concen: 43.037 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

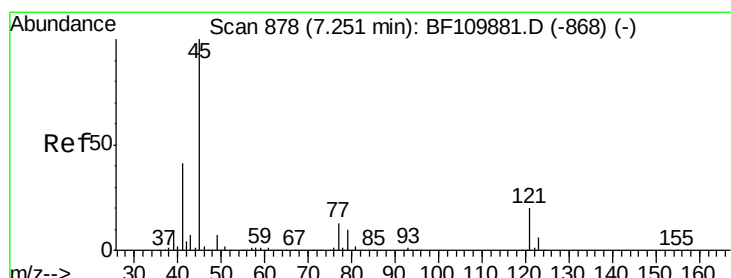
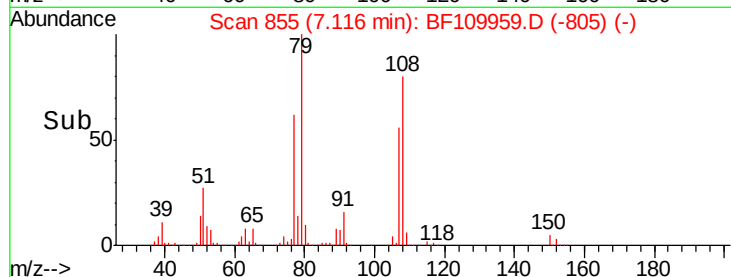
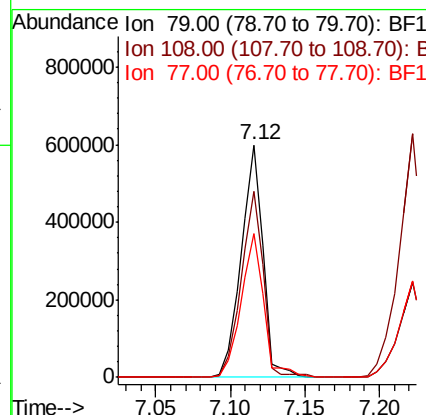
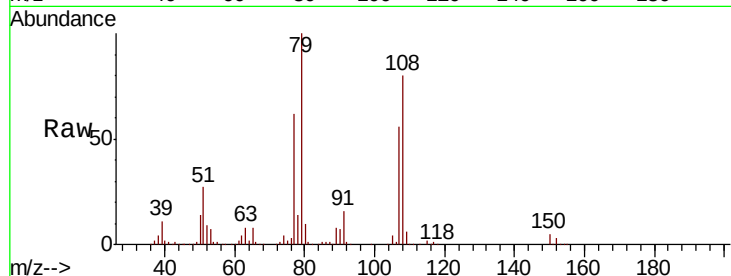
ClientSampleId :

RLF-SD-5MSD

Tot Ion:	79	Resp:	614249
Ion Ratio	Lower	Upper	
79	100		
108	79.8	56.3	84.5
77	61.6	52.9	79.3

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.503 ng

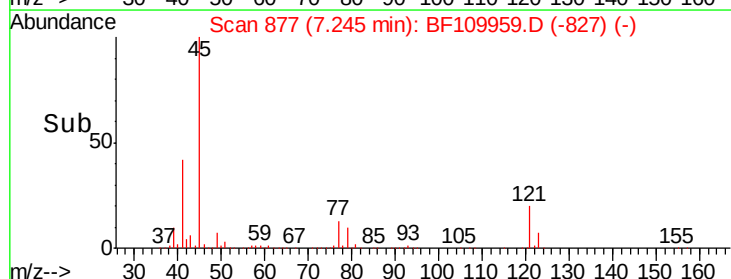
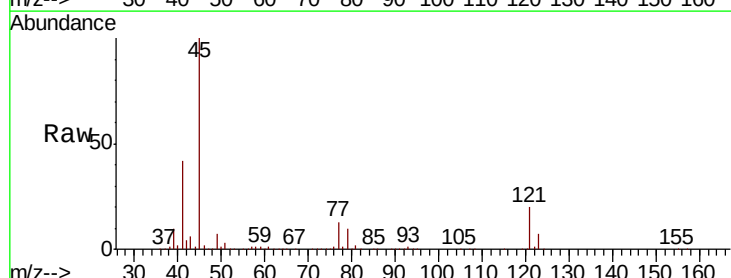
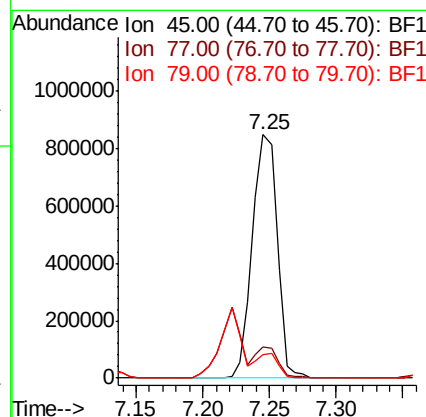
RT: 7.25 min Scan# 877

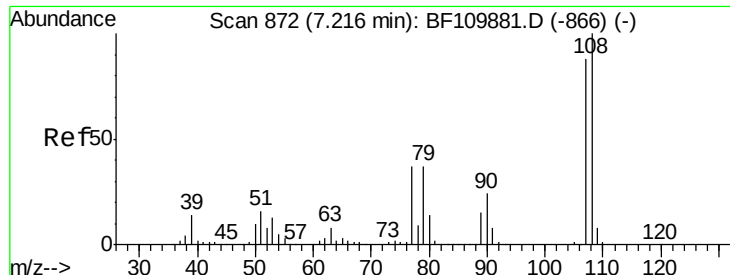
Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Tgt Ion:	45	Resp:	1085866
Ion Ratio	Lower	Upper	
45	100		
77	12.6	10.0	50.0
79	9.7	6.1	46.1





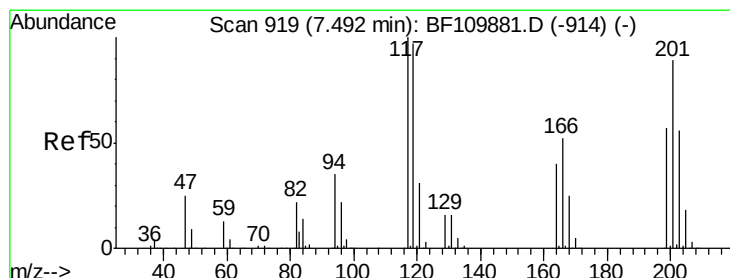
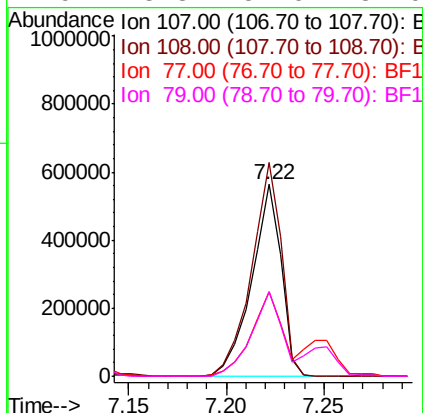
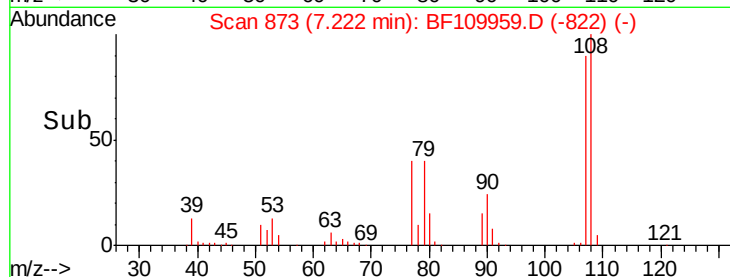
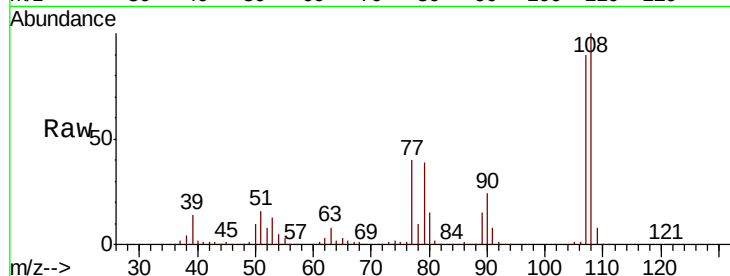
#17
2-Methylphenol
Concen: 43.738 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.4	92.6	138.8	
77	44.1	59.4	89.2	
79	43.8	54.0	81.0	

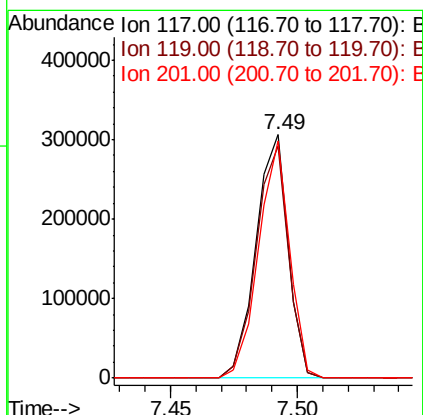
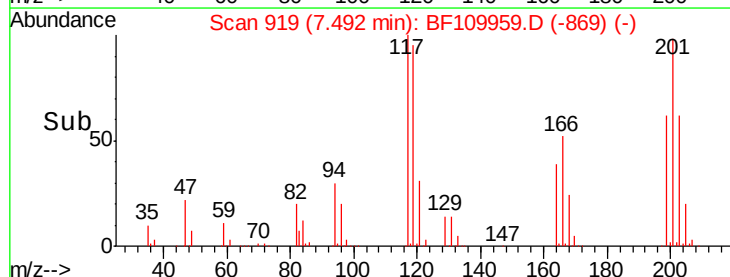
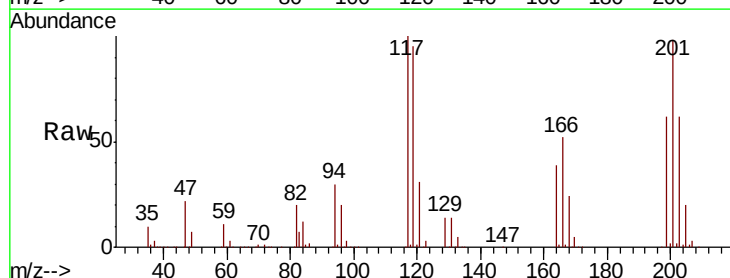
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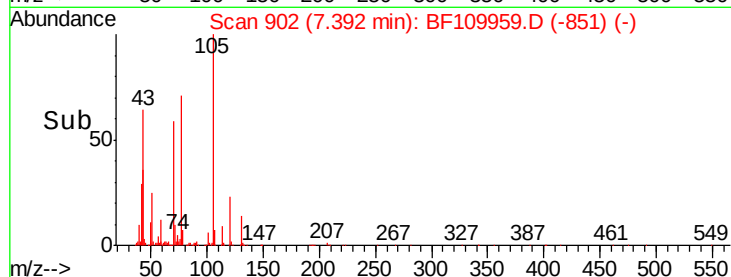
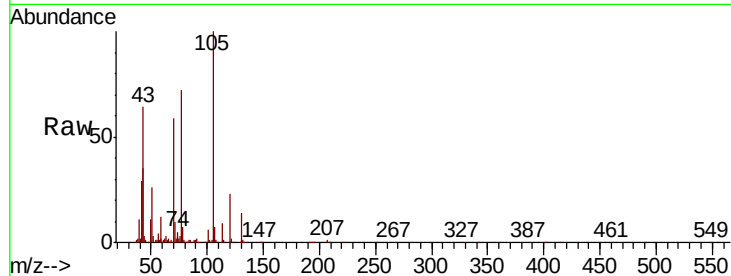
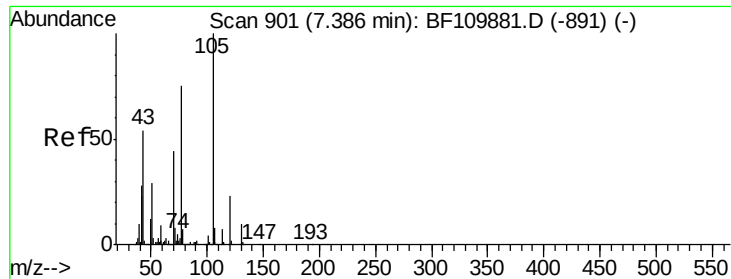
Sohil
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#18
Hexachloroethane
Concen: 41.743 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	75.0	112.6	
201	97.7	79.2	118.8	





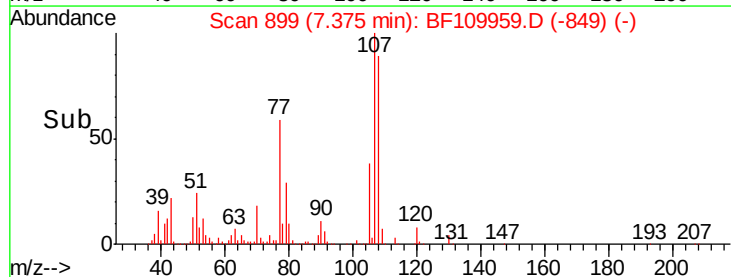
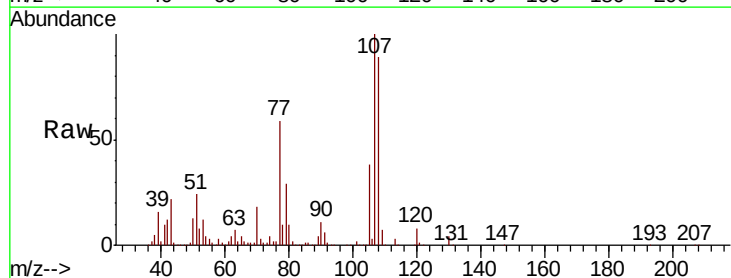
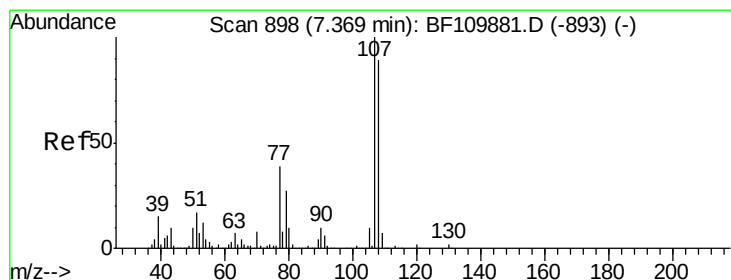
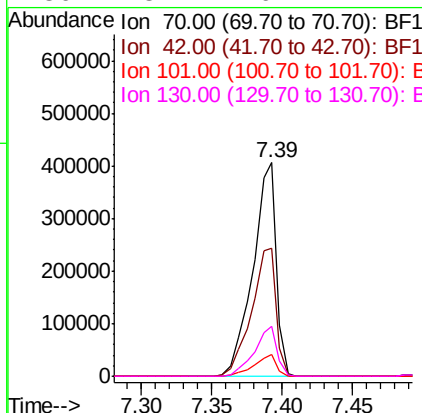
#19
n-Nitroso-di-n-propylamine
Concen: 39.907 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

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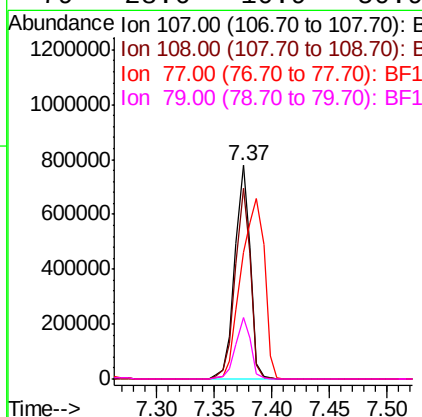
Sohil
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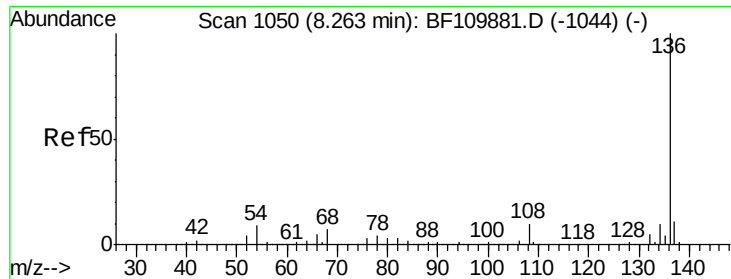
Tot Ion	70	Resp	475366
Ion Ratio	Lower	Upper	
70	100		
42	59.7	47.4	71.2
101	10.2	7.3	10.9
130	23.4	16.2	24.2



#20
3+4-Methylphenols
Concen: 41.812 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	107	Resp	716018
Ion Ratio	Lower	Upper	
107	100		
108	89.0	71.4	111.4
77	59.5	47.3	87.3
79	28.6	10.9	50.9





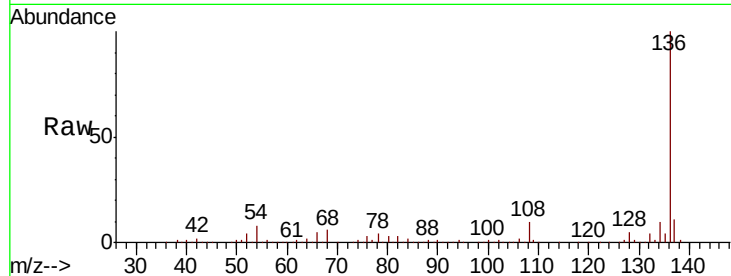
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	923454		
137	11.0		8.8	13.2
54	7.8		5.4	8.2
68	5.7		4.2	6.2

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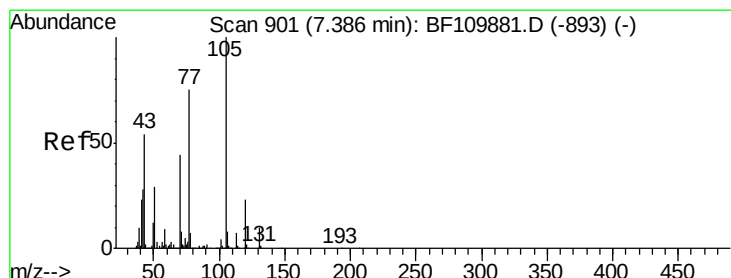
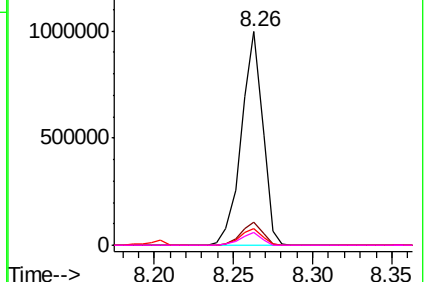
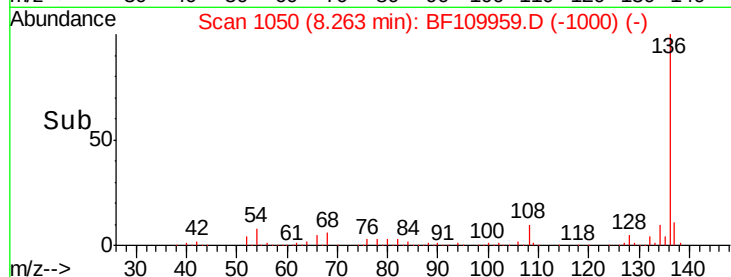
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

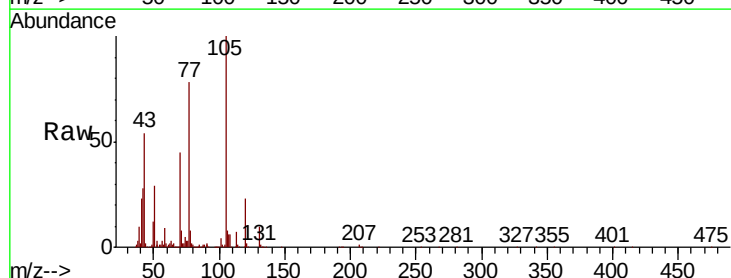
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 44.021 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	942745		
71	7.6		5.2	7.8
51	29.0		21.8	32.8
120	22.5		17.0	25.4



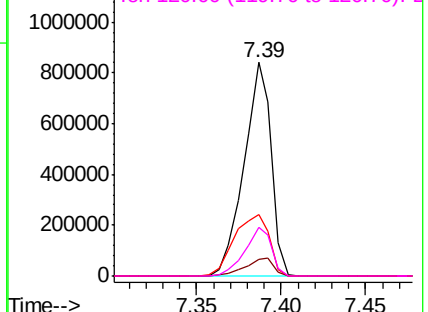
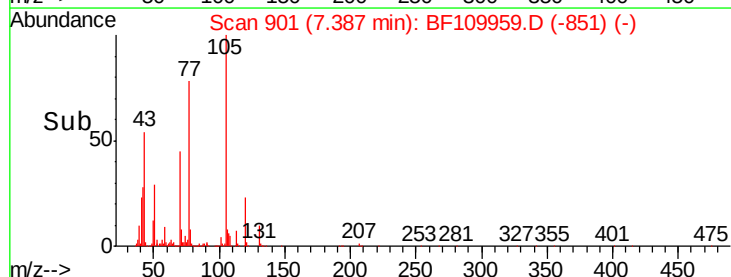
Abundance

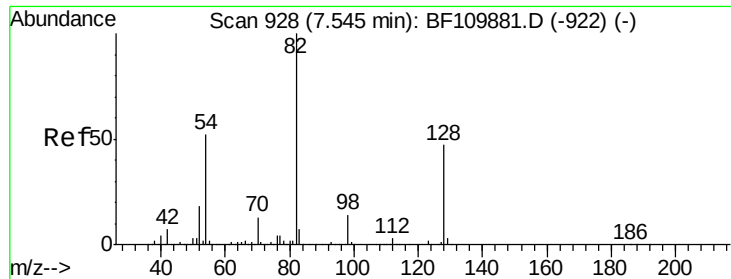
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





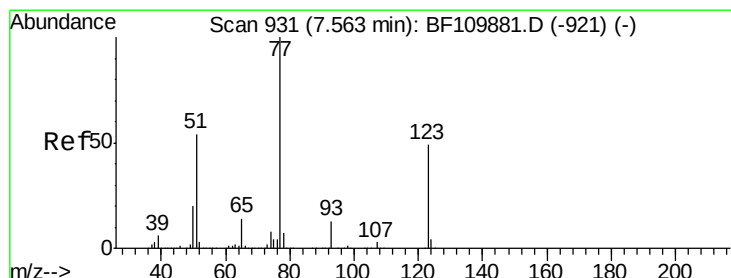
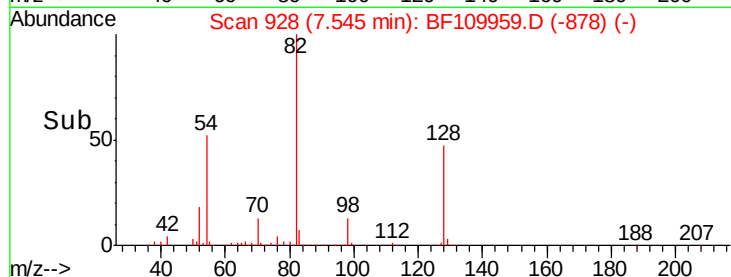
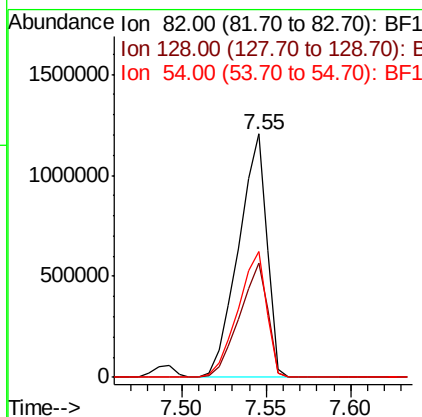
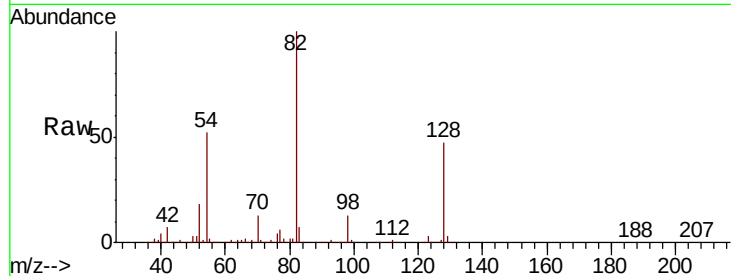
#23
Nitrobenzene-d5
Concen: 103.419 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion: 82 Resp: 1417710
Ion Ratio Lower Upper
82 100
128 47.1 34.2 51.2
54 51.8 38.6 58.0

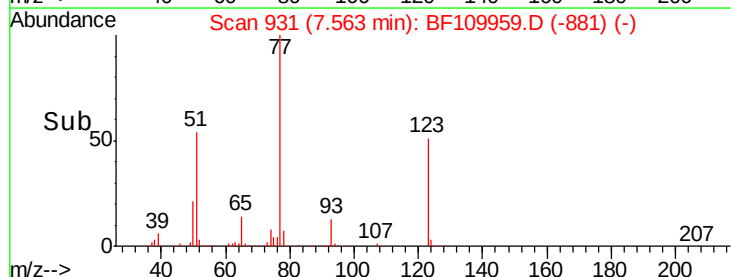
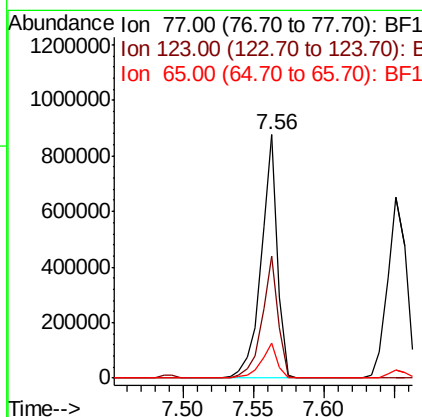
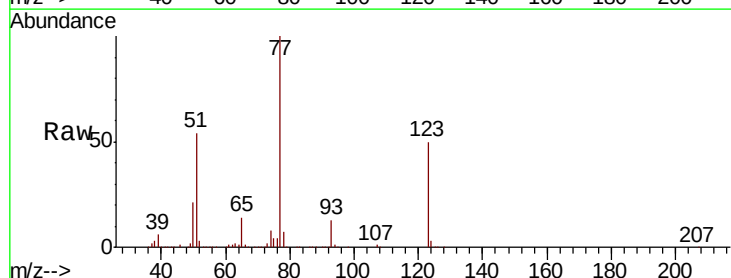
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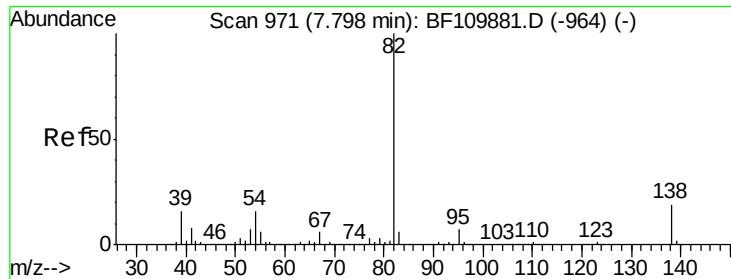
Sohil
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#24
Nitrobenzene
Concen: 47.612 ng
RT: 7.56 min Scan# 931
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion: 77 Resp: 709034
Ion Ratio Lower Upper
77 100
123 50.3 35.7 53.5
65 14.2 10.7 16.1





#25

Isophorone

Concen: 49.589 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion: 82 Resp: 1335701

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

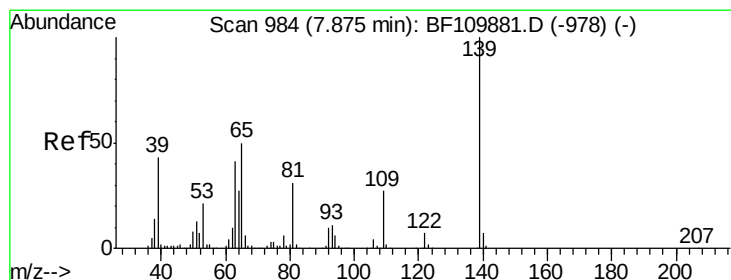
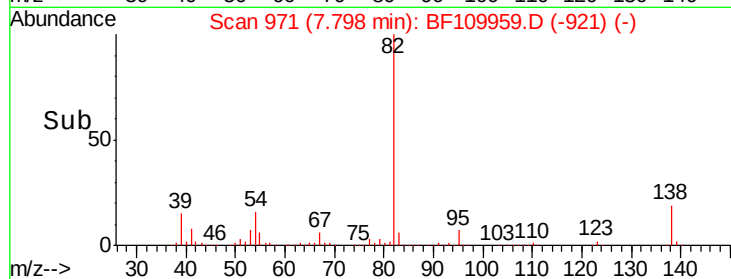
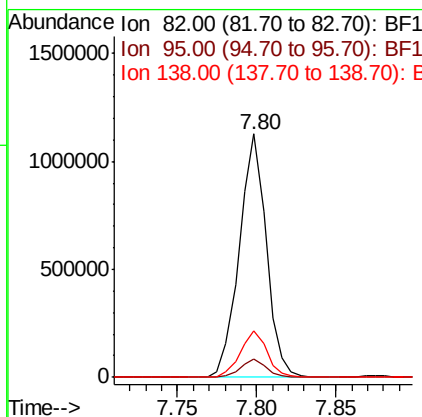
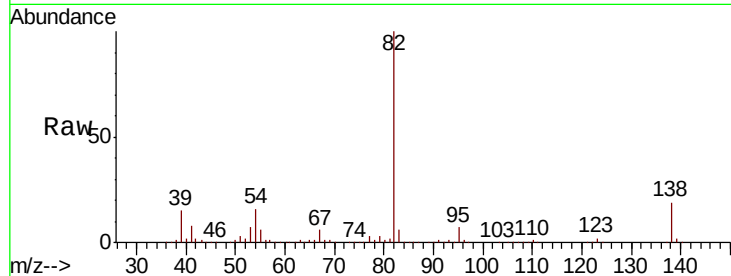
138 19.2 13.2 19.8

Manual Integrations

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#26

2-Nitrophenol

Concen: 59.433 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

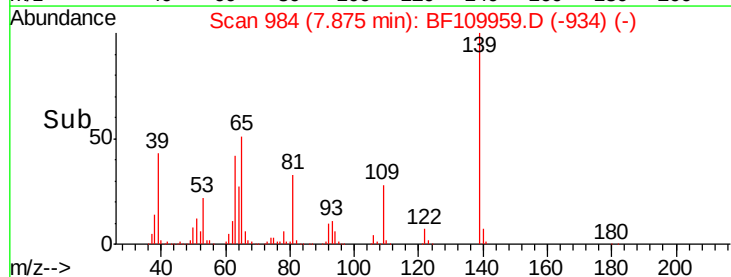
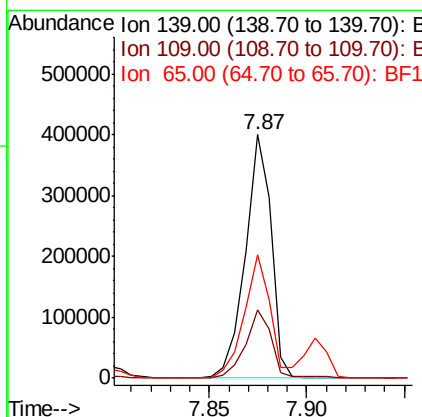
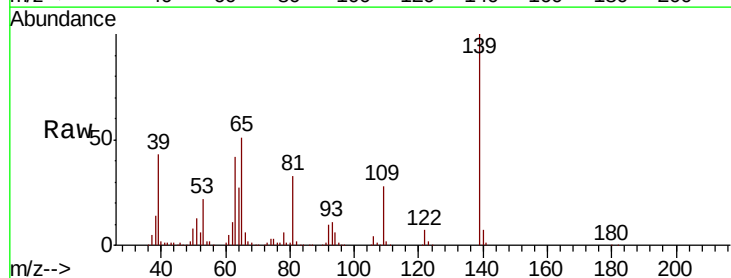
Tgt Ion: 139 Resp: 366971

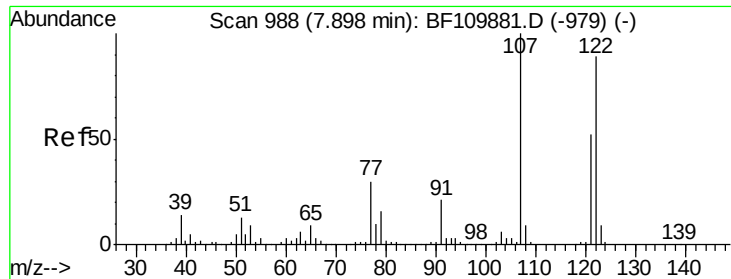
Ion Ratio Lower Upper

139 100

109 28.1 25.0 37.6

65 50.9 44.0 66.0





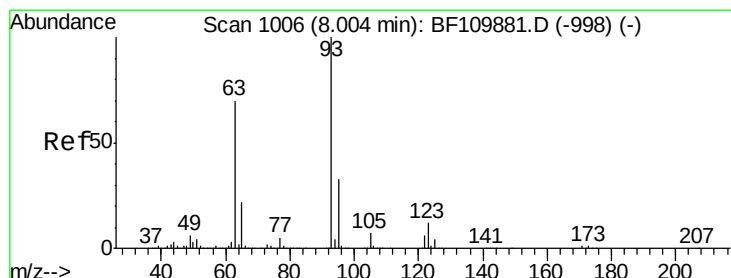
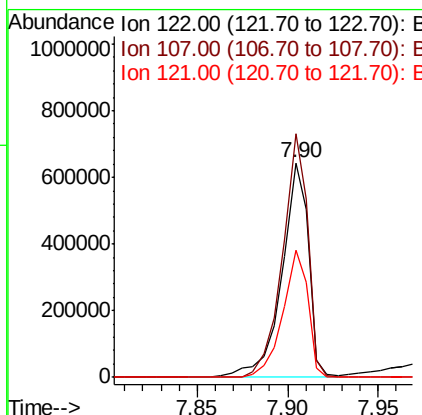
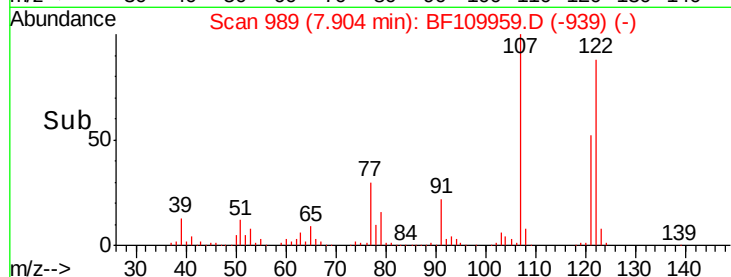
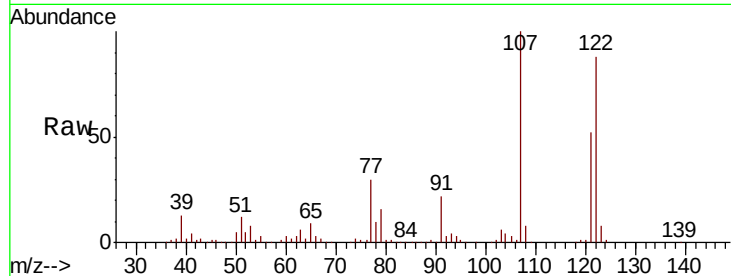
#27
2,4-Dimethylphenol
Concen: 50.955 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.6	92.5	138.7
121	59.3	45.8	68.8

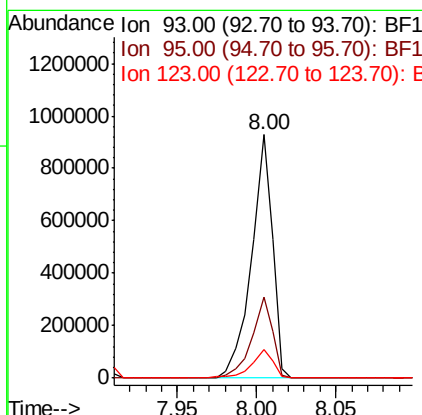
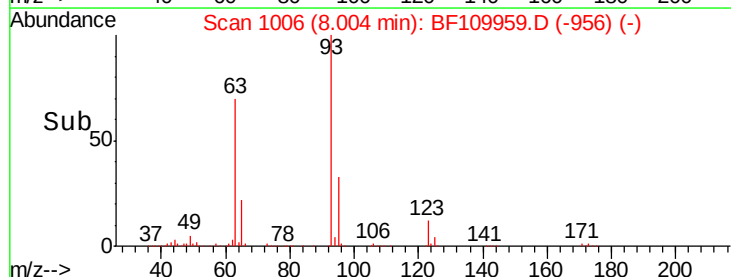
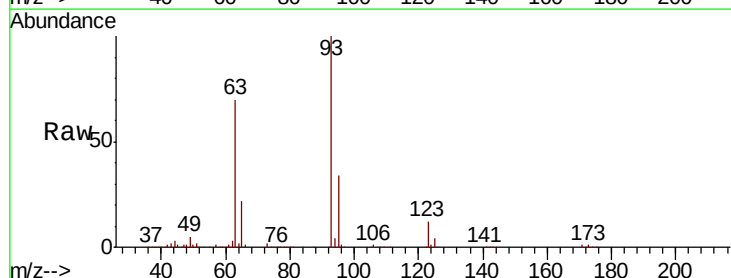
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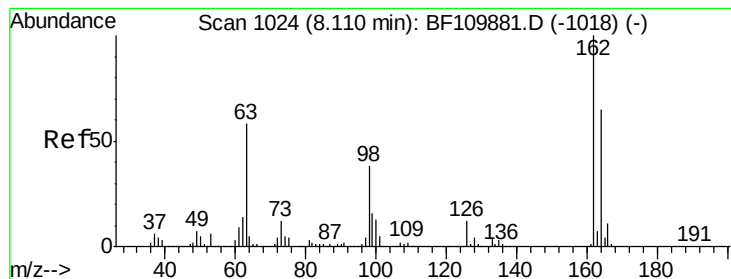
Sohil
10/19/2018 12:08:34 PM



#28
bis(2-Chloroethoxy)methane
Concen: 46.069 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.4	39.6
123	11.8	9.0	13.6





#29

2,4-Dichlorophenol

Concen: 46.368 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

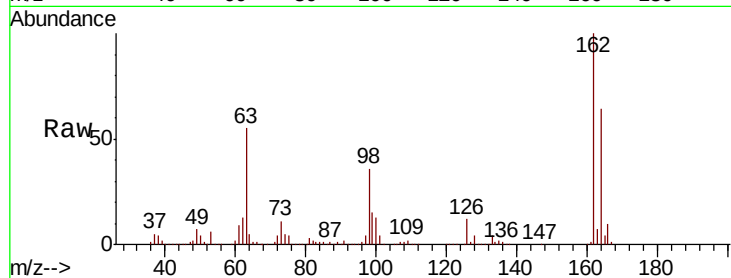
ClientSampleId :

RLF-SD-5MSD

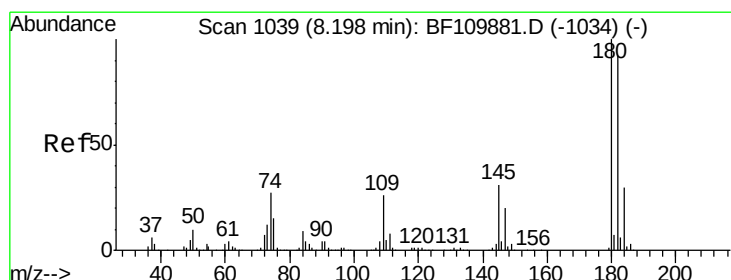
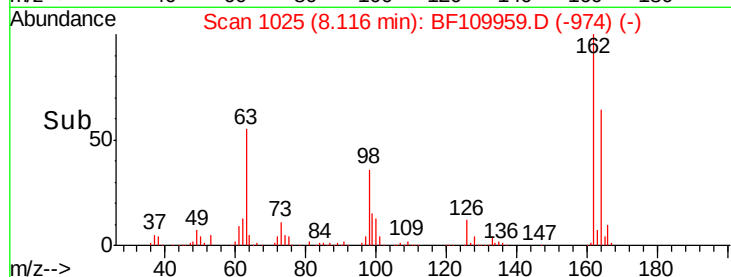
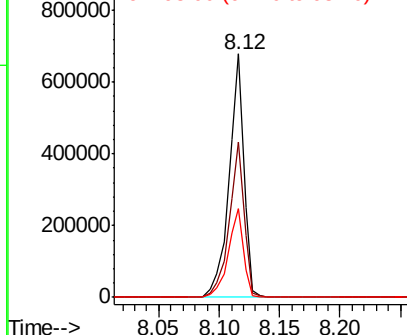
Tot Ion:	162	Resp:	583586
Ion Ratio	Lower	Upper	
162	100		
164	63.6	44.6	84.6
98	36.2	17.4	57.4

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 43.695 ng

RT: 8.20 min Scan# 1039

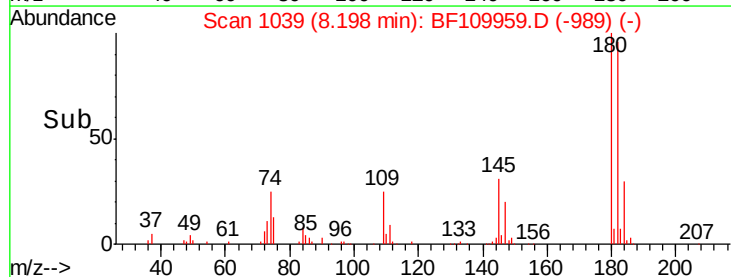
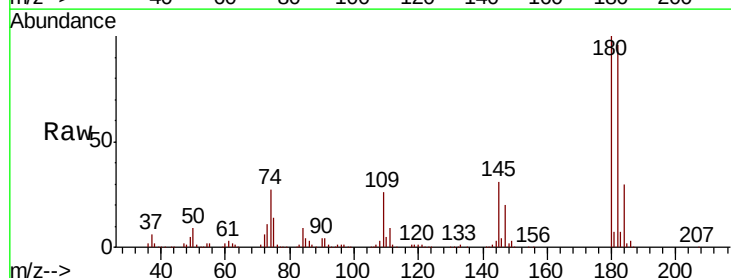
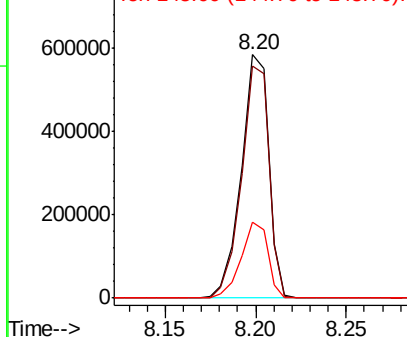
Delta R.T. -0.01 min

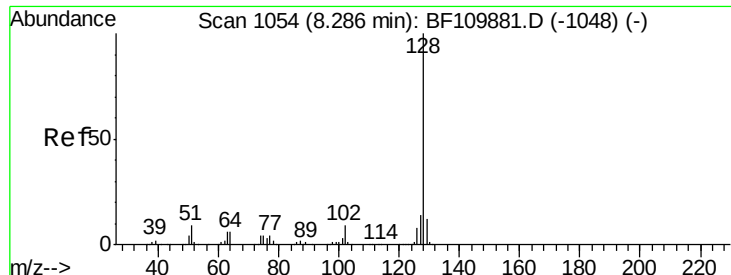
Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Tgt Ion:	180	Resp:	615756
Ion Ratio	Lower	Upper	
180	100		
182	95.5	80.3	120.5
145	31.3	25.4	38.0

Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





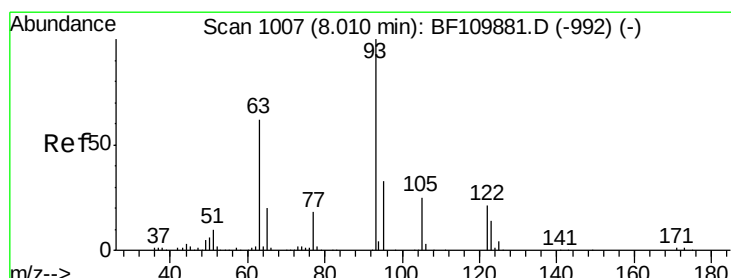
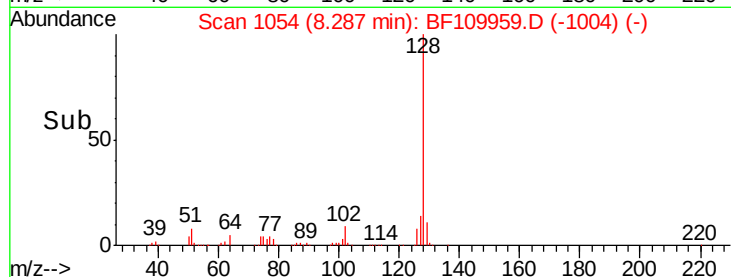
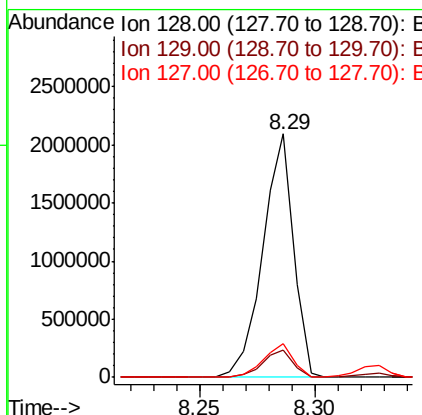
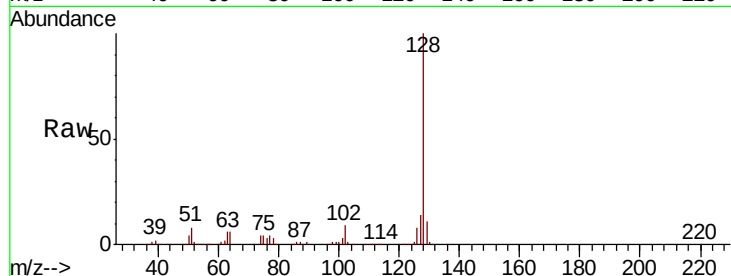
#31
Naphthalene
Concen: 45.709 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.0	10.8	16.2

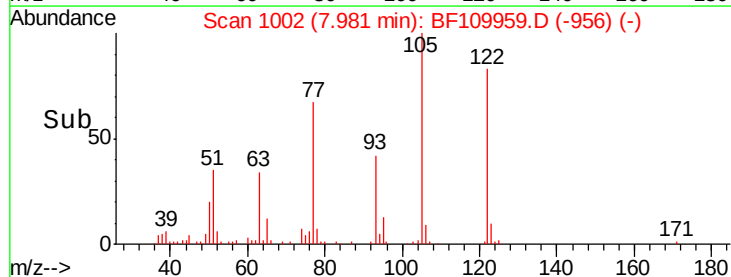
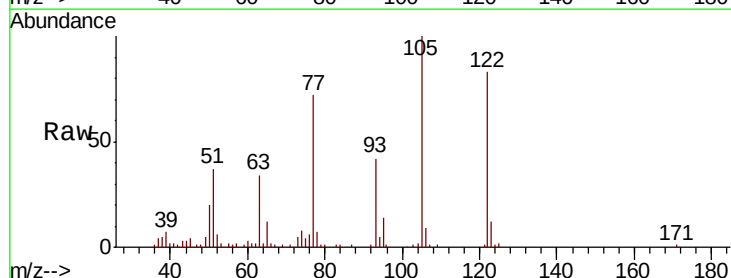
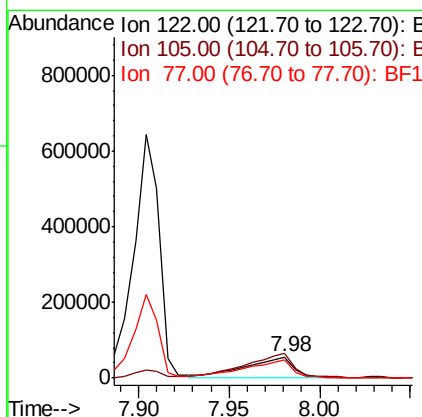
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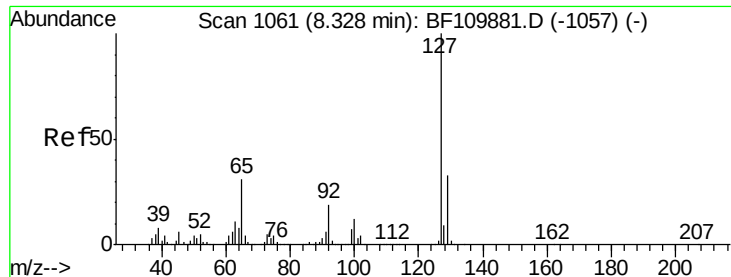
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#32
Benzoic acid
Concen: 12.128 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.03 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.9	109.0	149.0
77	86.7	79.0	119.0





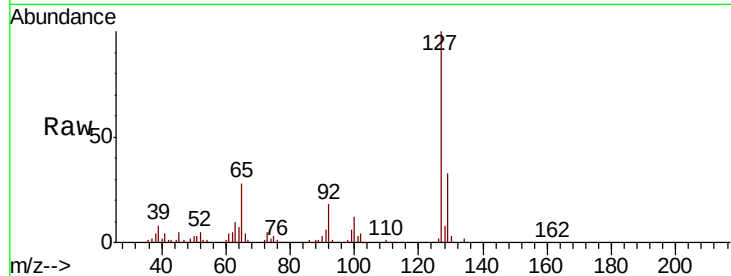
#33
4-Chloroaniline
Concen: 5.298 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		100854		
129	33.0	26.0	39.0		
65	27.5	25.1	37.7		
92	17.7	15.0	22.6		

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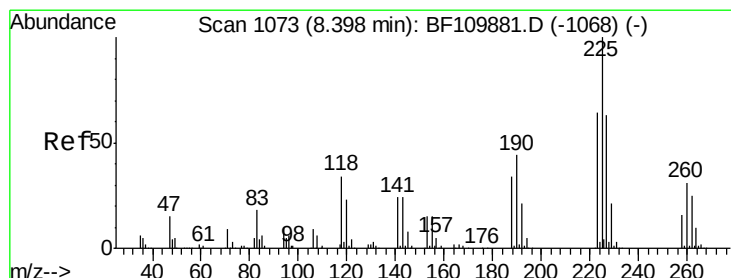
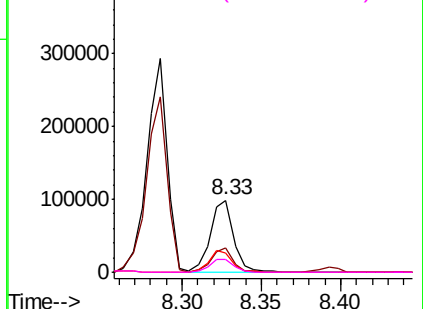
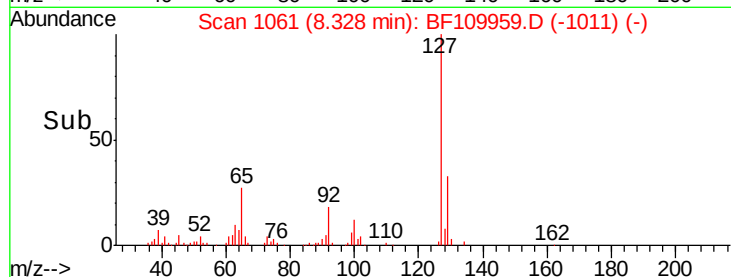
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

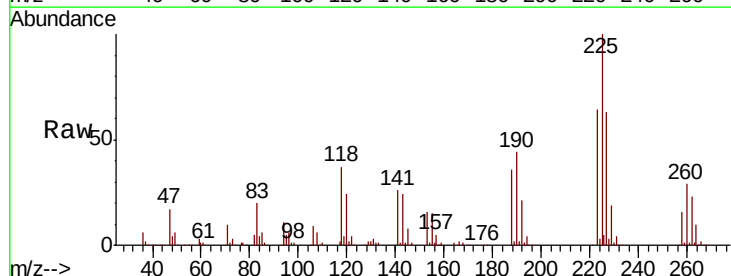
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.506 ng
RT: 8.39 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		330309		
223	63.9	51.4	77.2		
227	63.0	51.0	76.6		

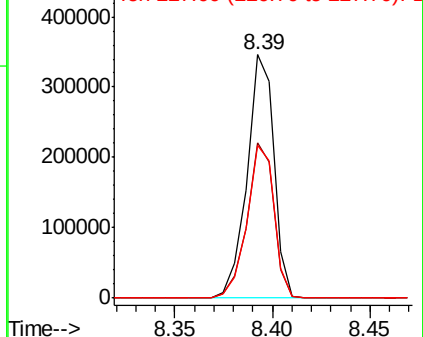
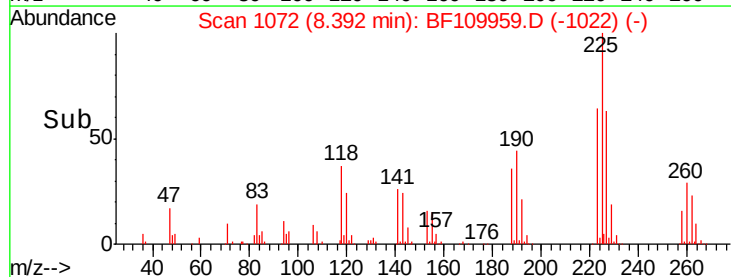


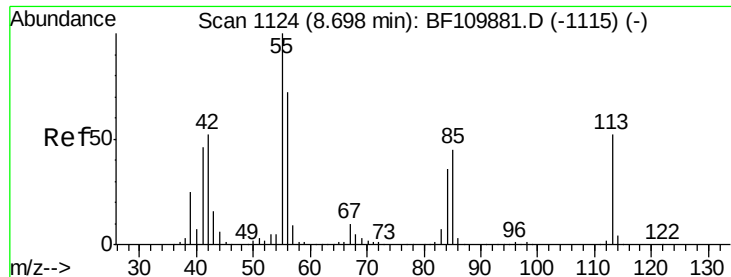
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





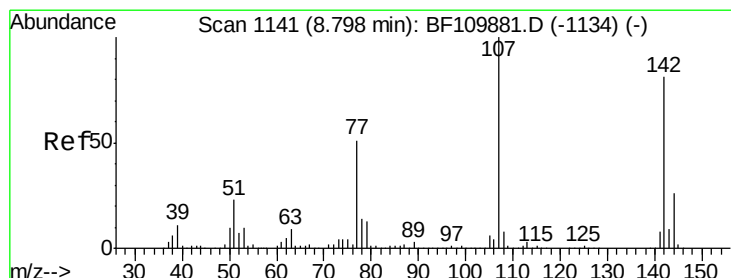
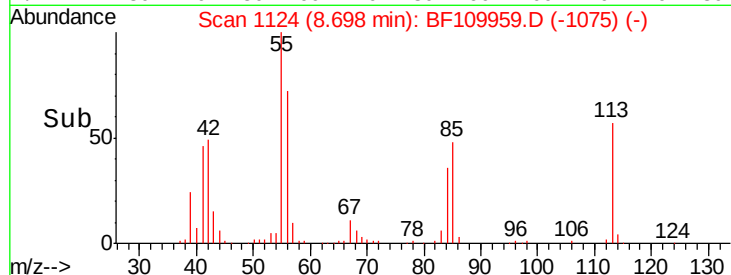
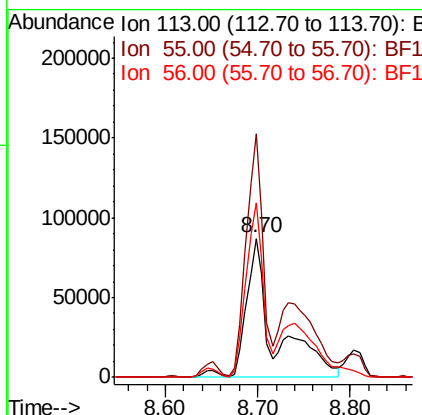
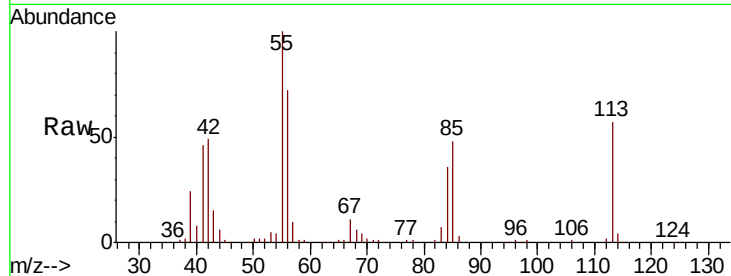
#35
Caprolactam
Concen: 41.577 ng/ml
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	175.1	142.8	182.8
56	125.7	105.0	145.0

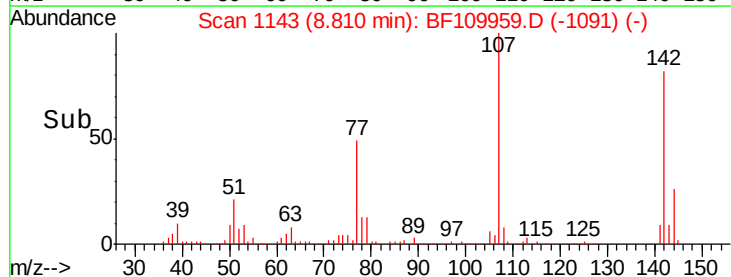
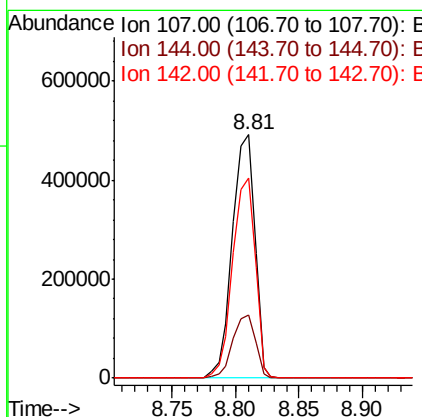
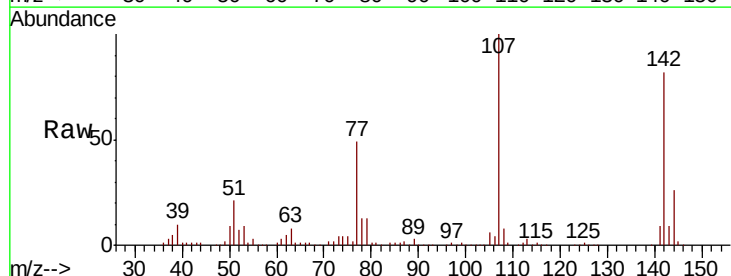
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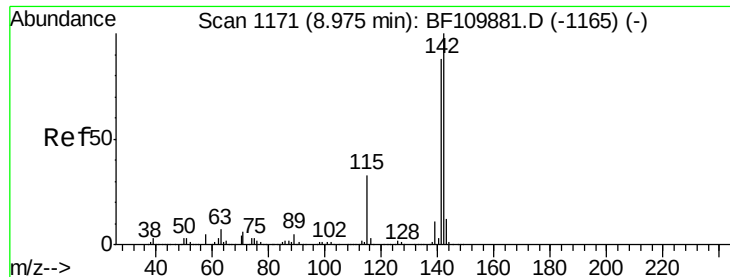
Sohil
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#36
4-Chloro-3-methylphenol
Concen: 45.645 ng/ml
RT: 8.81 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.0	30.0
142	82.2	59.7	89.5





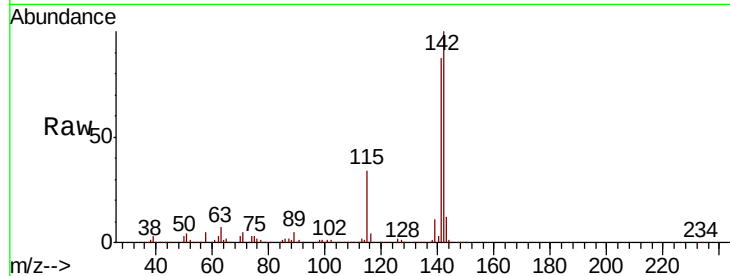
#37
2-Methylnaphthalene
Concen: 47.618 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.4	107.2
115	34.2	28.7	43.1

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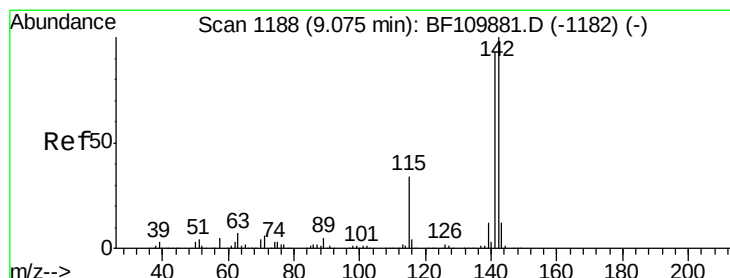
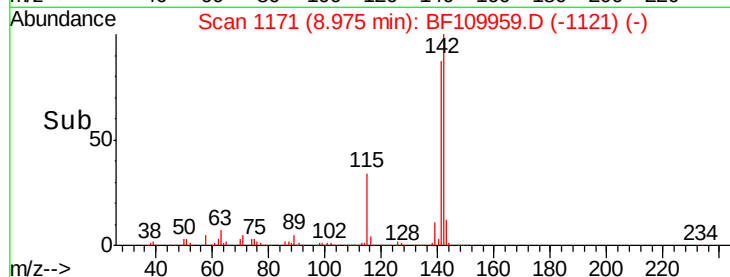
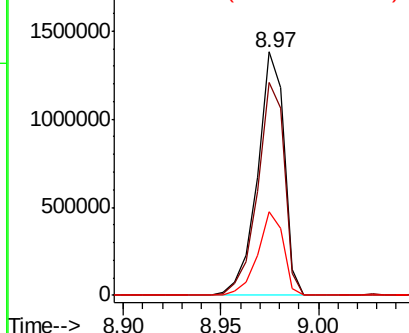


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 46.492 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

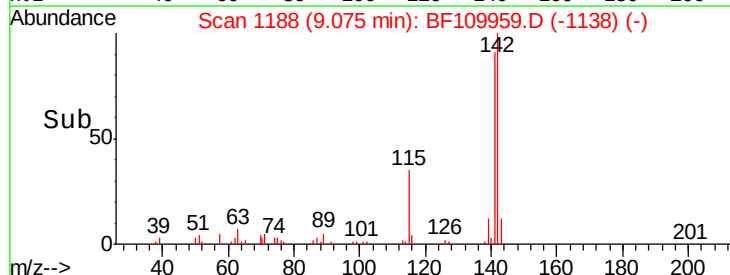
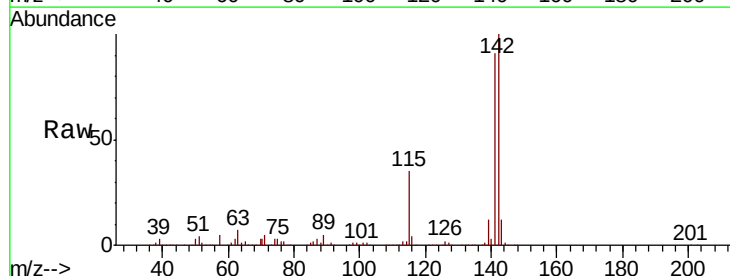
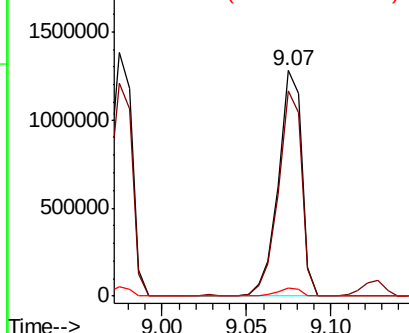
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.2	111.4
116	3.6	2.6	4.0

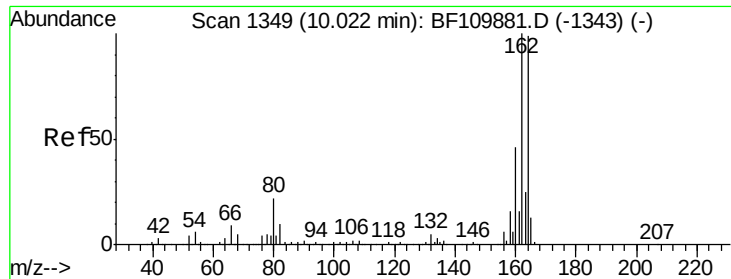
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





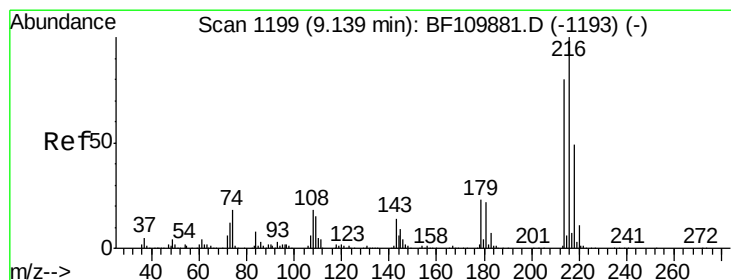
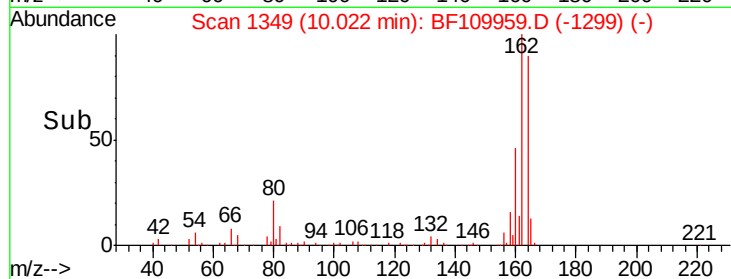
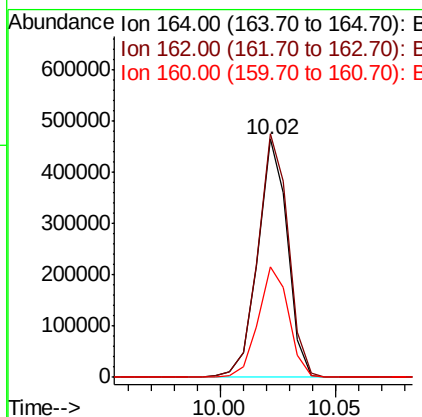
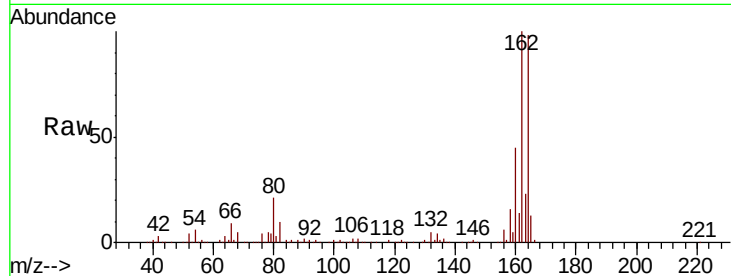
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.0	124.6
160	46.3	37.0	55.6

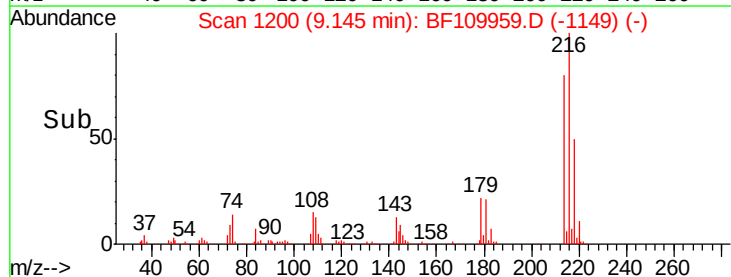
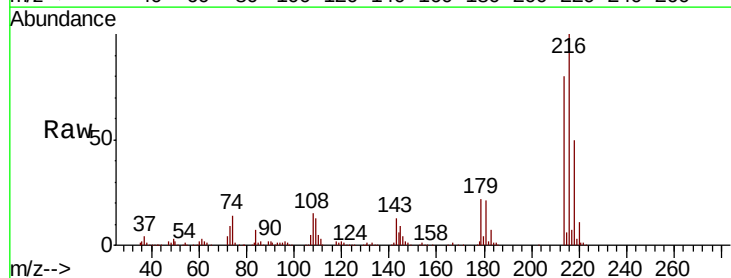
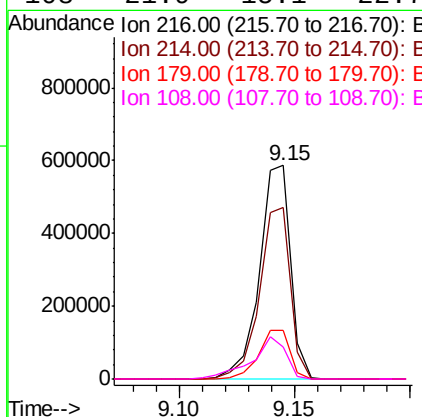
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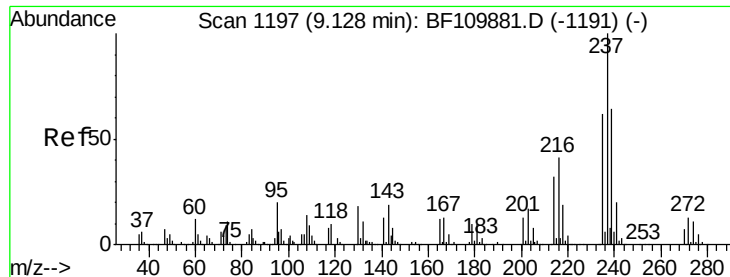
Sohil
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.960 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.8	95.6
179	22.9	16.6	25.0
108	21.9	15.1	22.7





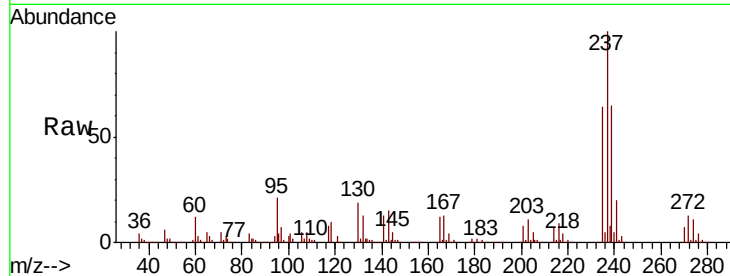
#41
Hexachlorocyclopentadiene
Concen: 99.782 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

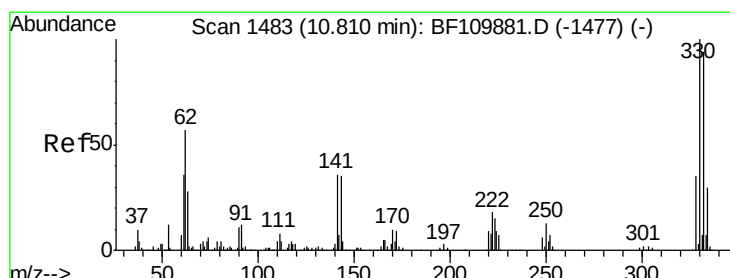
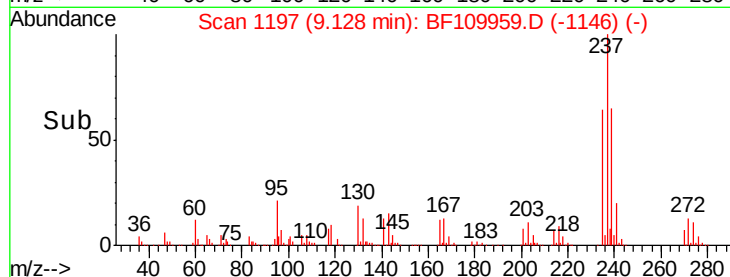
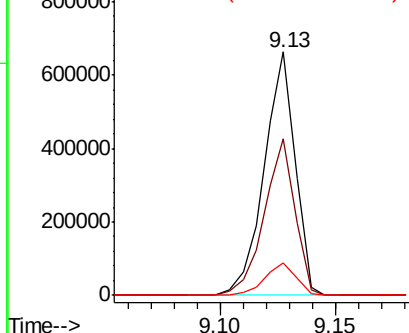
Tot Ion:	237	Resp:	616771
Ion Ratio	Lower	Upper	
237	100		
235	64.3	43.1	83.1
272	13.4	0.0	32.6

Manual Integrations
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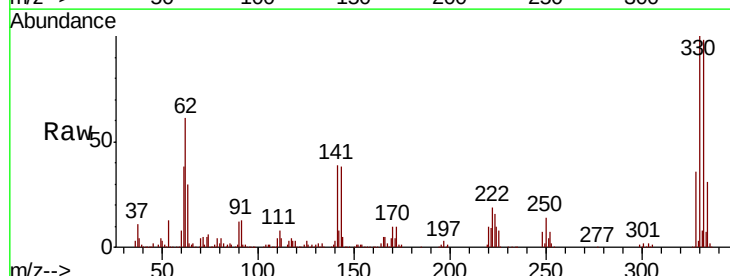


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

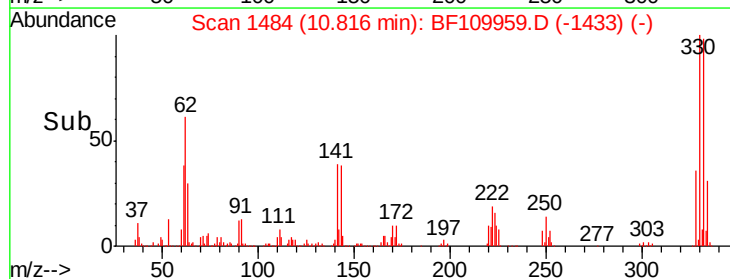
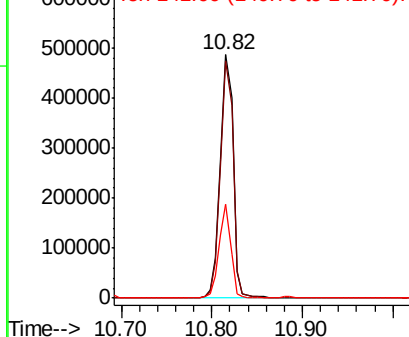


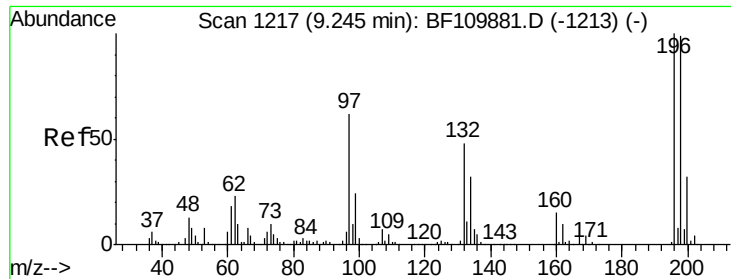
#42
2,4,6-Tribromophenol
Concen: 132.761 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:	330	Resp:	477905
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.1	115.7
141	35.1	27.0	40.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





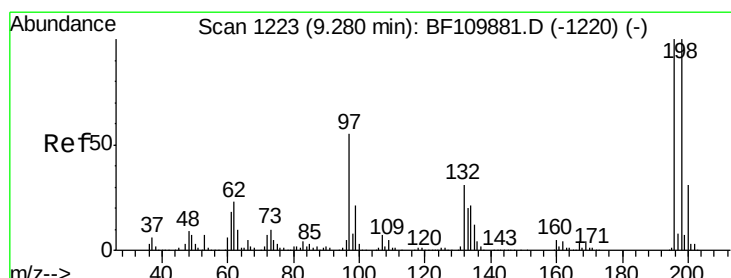
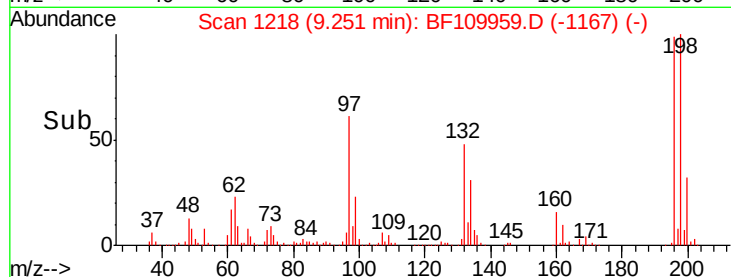
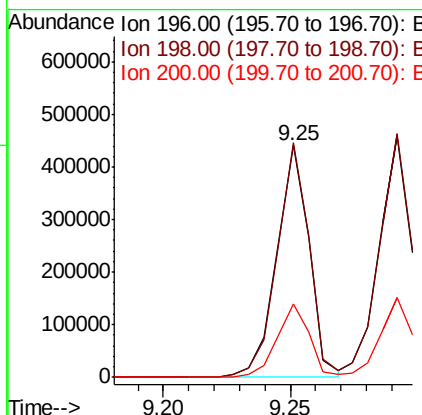
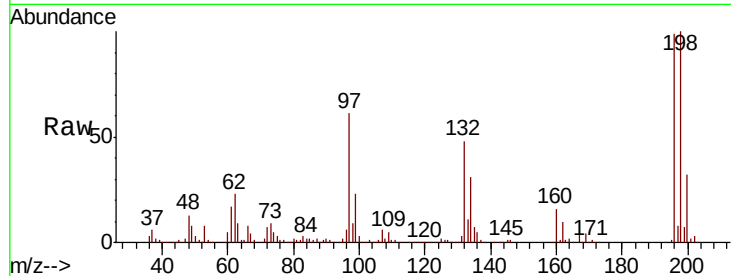
#43
 2,4,6-Trichlorophenol
 Concen: 48.680 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	389818		
198	101.2	76.2	114.4	
200	31.9	24.4	36.6	

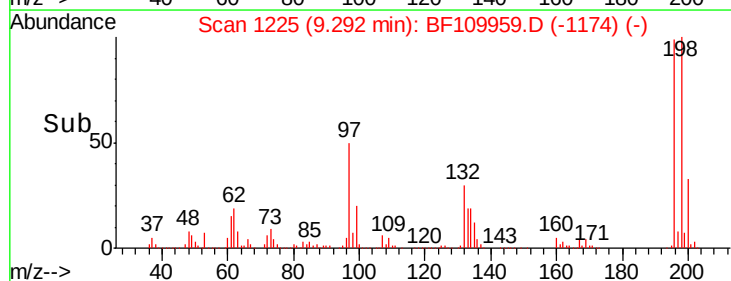
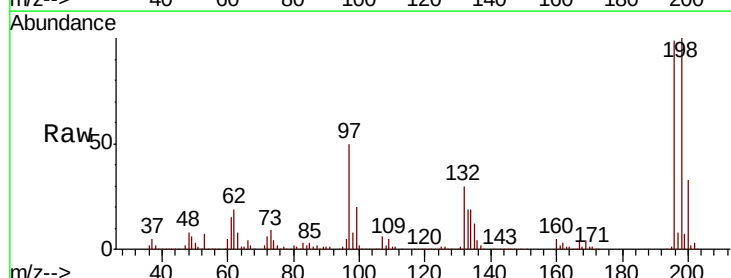
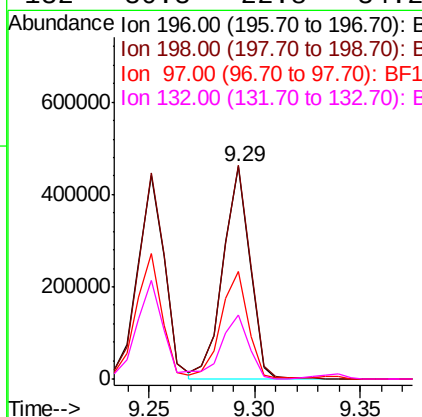
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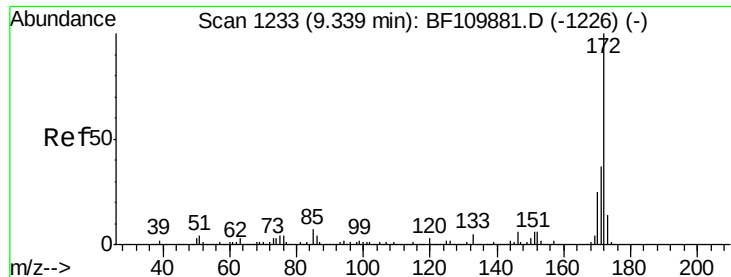
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#44
 2,4,5-Trichlorophenol
 Concen: 48.631 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	404179		
198	100.7	75.8	113.6	
97	50.5	42.4	63.6	
132	30.3	22.8	34.2	





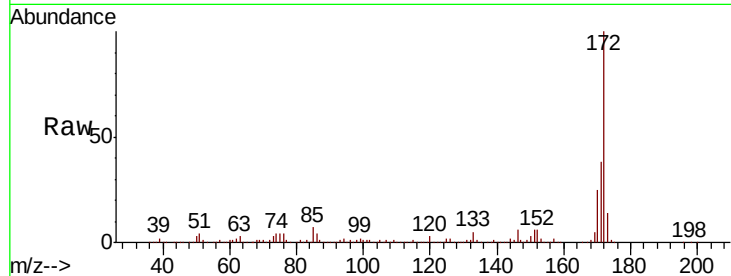
#45
2-Fluorobiphenyl
Concen: 80.448 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.9	28.6	43.0	
170	24.8	19.7	29.5	

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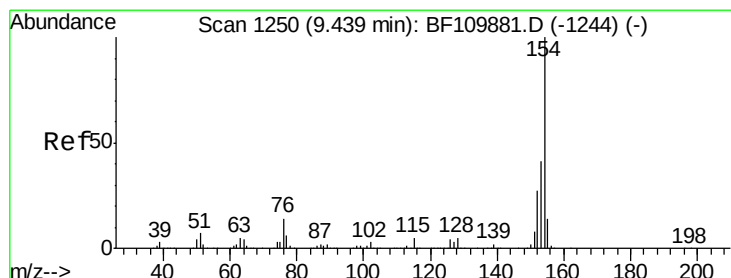
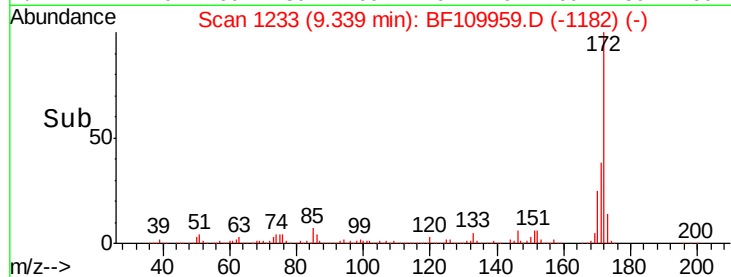
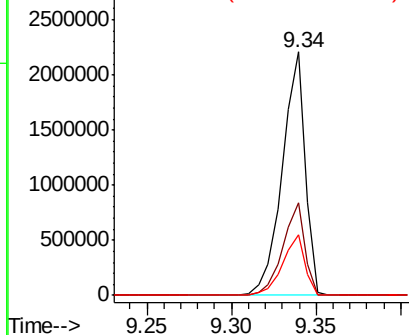


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 41.973 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

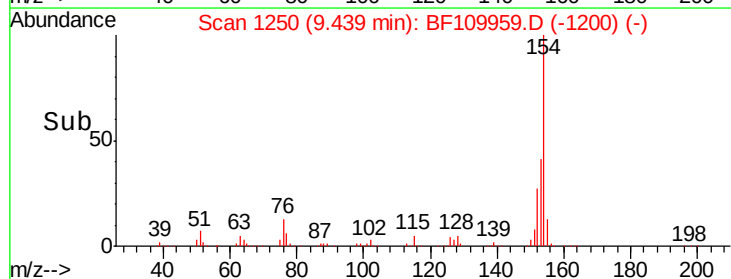
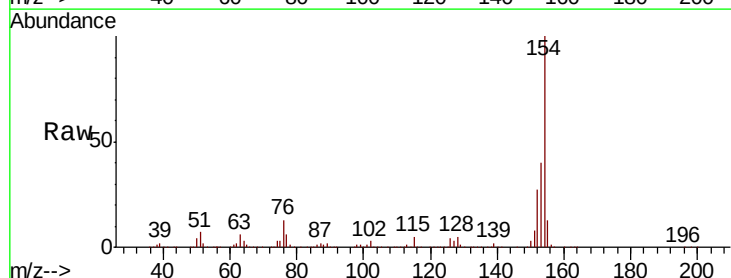
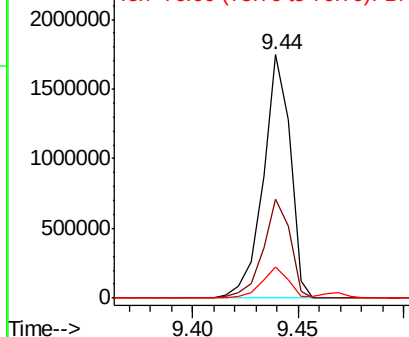
Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	40.5	20.4	60.4	
76	12.9	0.0	31.9	

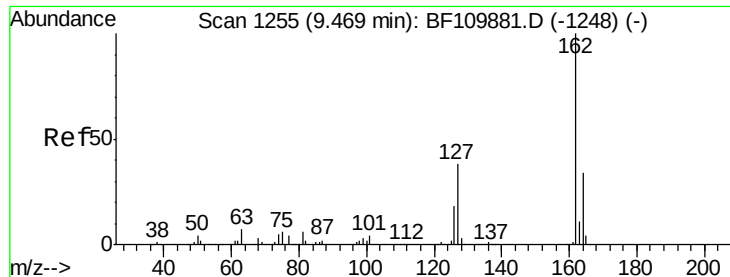
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





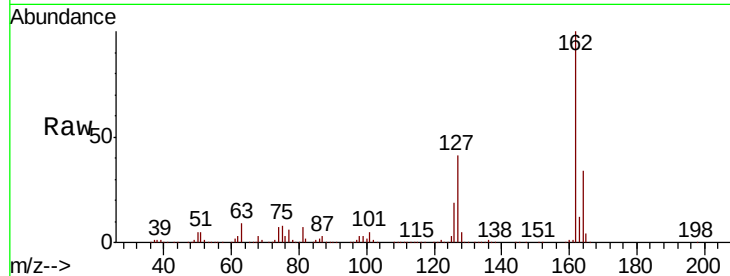
#47
 2-Chloronaphthalene
 Concen: 43.226 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

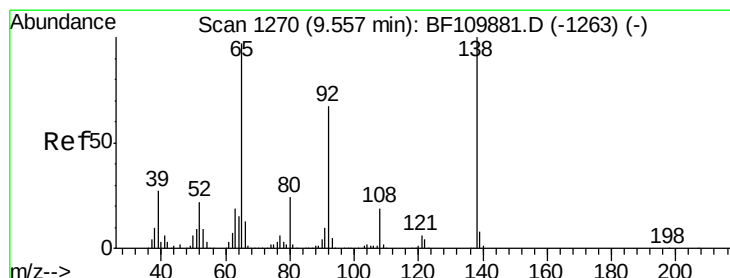
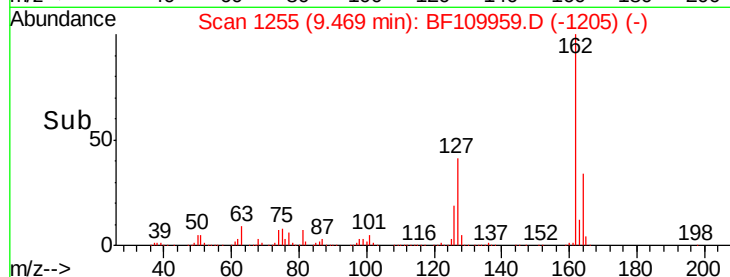
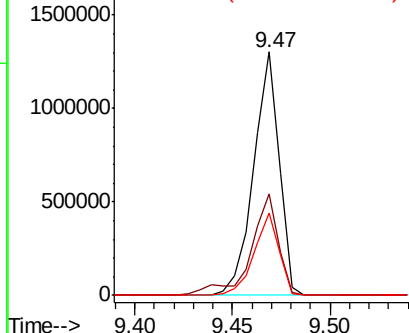
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.6	48.8
164	33.9	25.9	38.9

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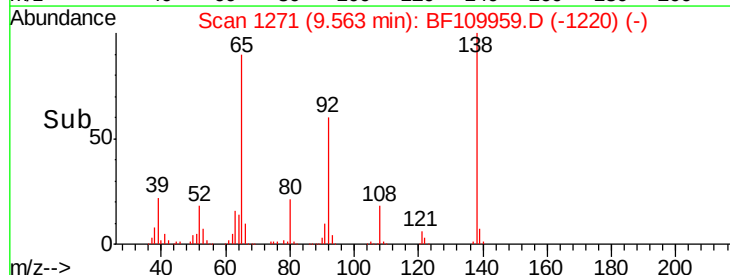
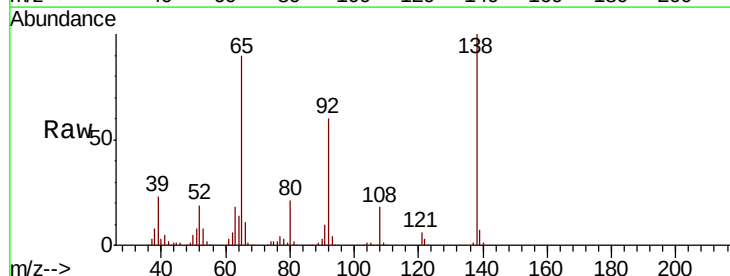
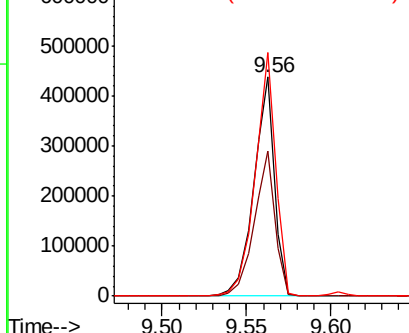
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

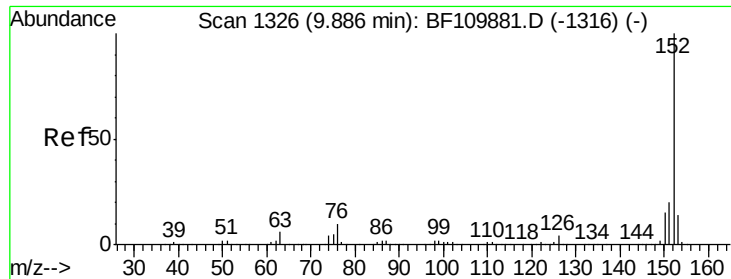


#48
 2-Nitroaniline
 Concen: 53.391 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.6	54.6	81.8
138	111.3	80.3	120.5

Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.905 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion:152 Resp: 1819716

Ion Ratio Lower Upper

152 100

151 21.0 15.8 23.8

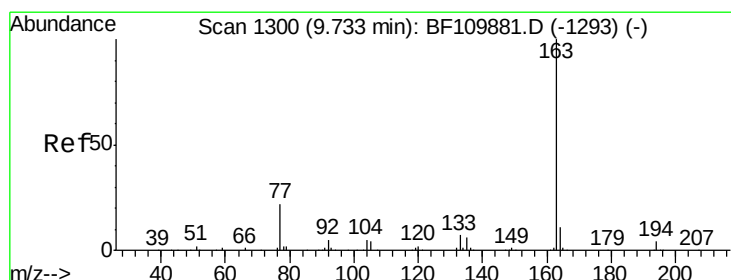
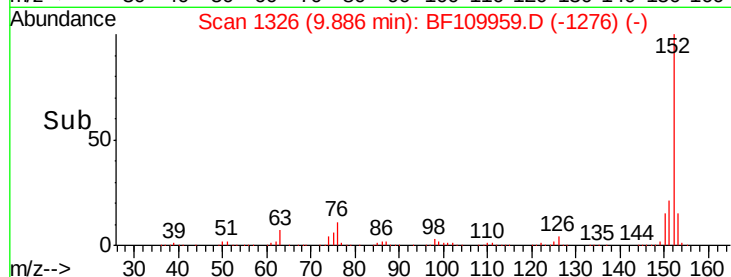
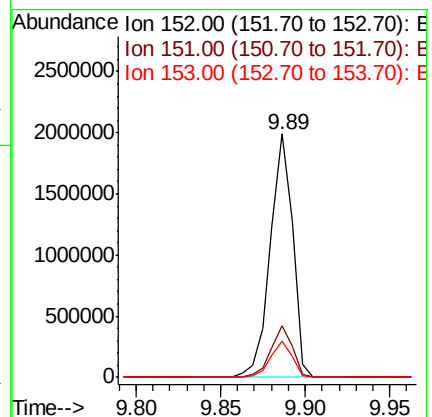
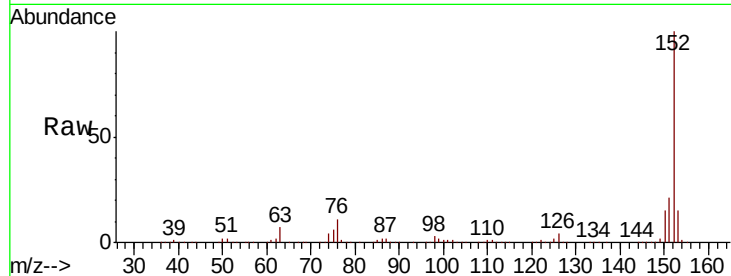
153 14.7 10.4 15.6

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#50

Dimethylphthalate

Concen: 56.411 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

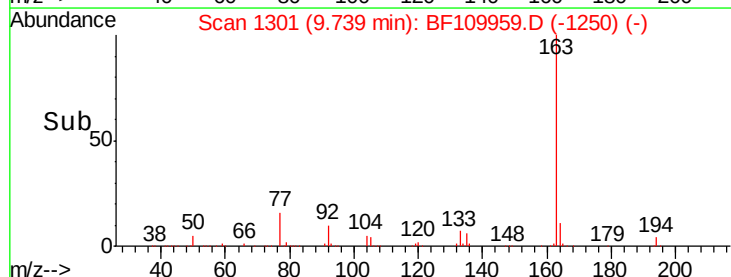
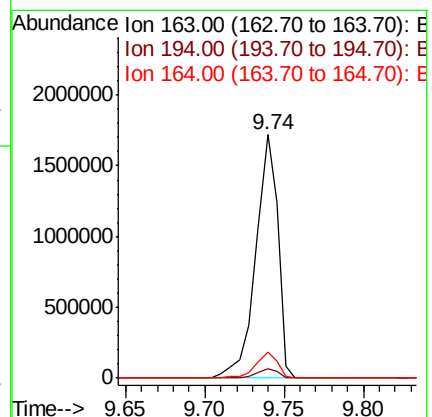
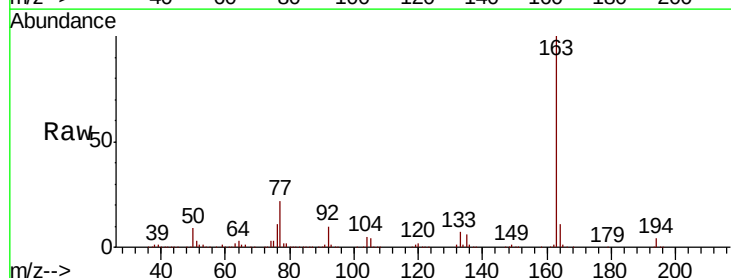
Tgt Ion:163 Resp: 1660823

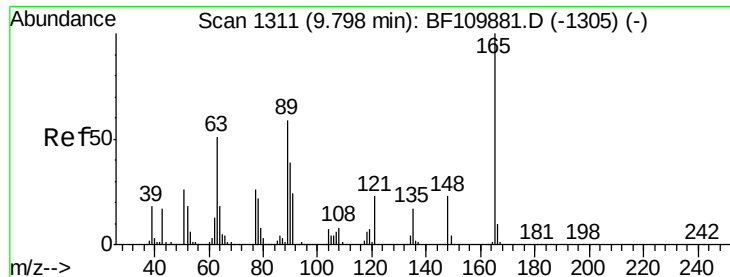
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.8 8.1 12.1





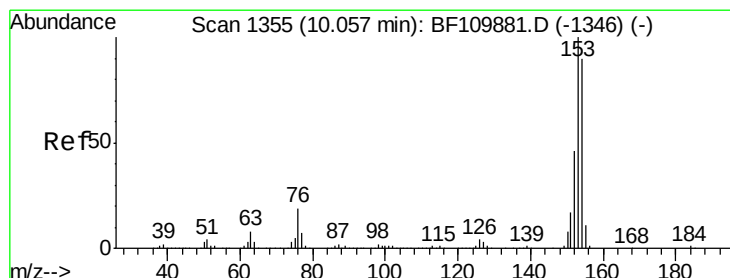
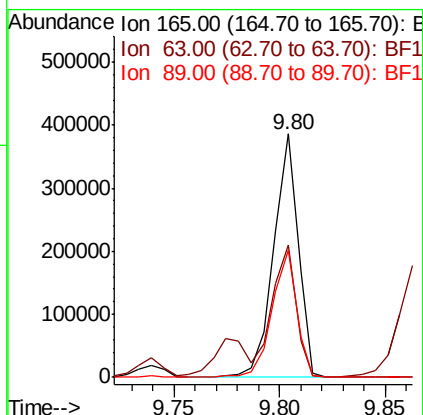
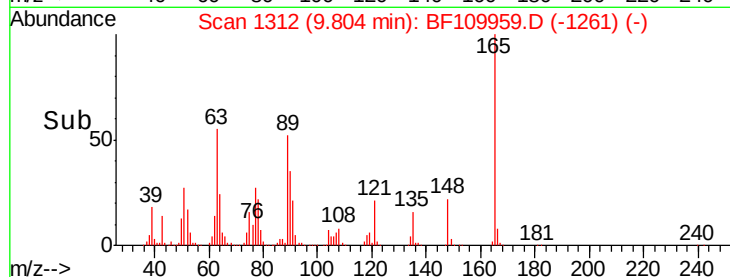
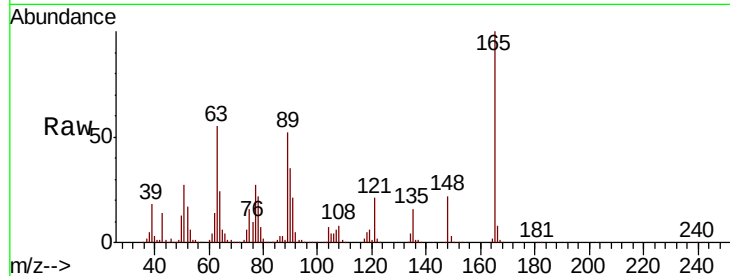
#51
2,6-Dinitrotoluene
Concen: 56.002 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	313156		
63	54.6	48.9	73.3	
89	52.5	46.6	69.8	

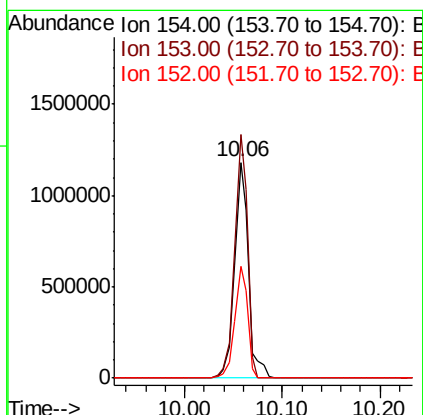
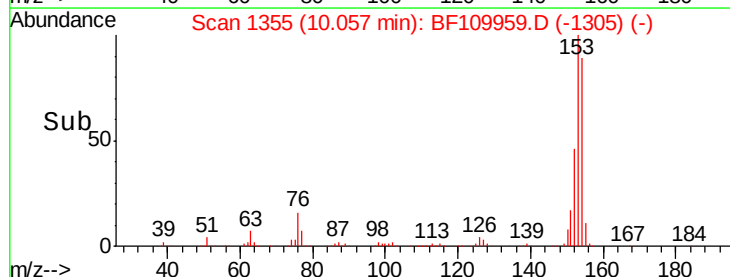
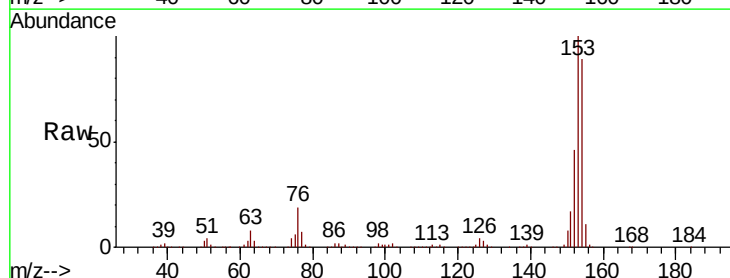
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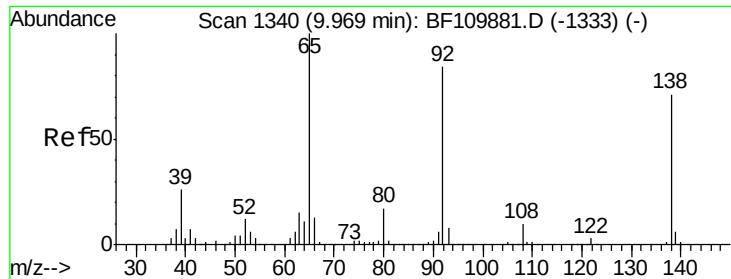
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#52
Acenaphthene
Concen: 45.830 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1156634		
153	112.8	90.1	135.1	
152	51.8	43.4	65.2	





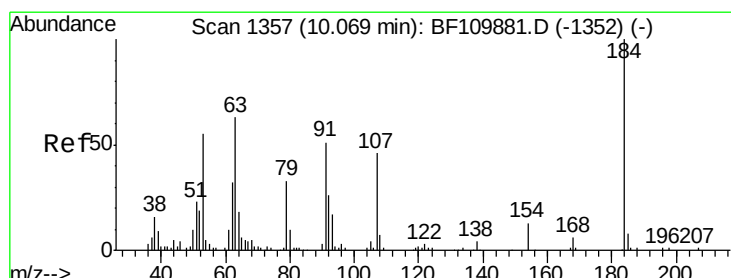
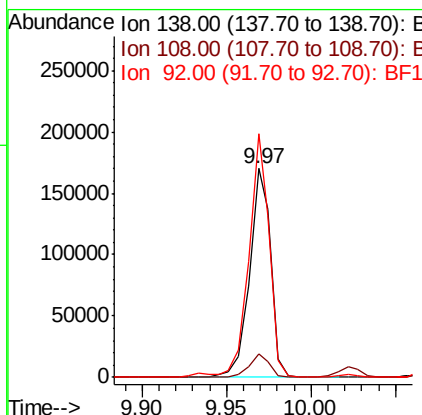
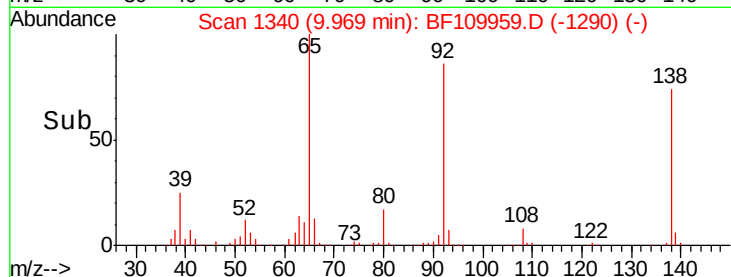
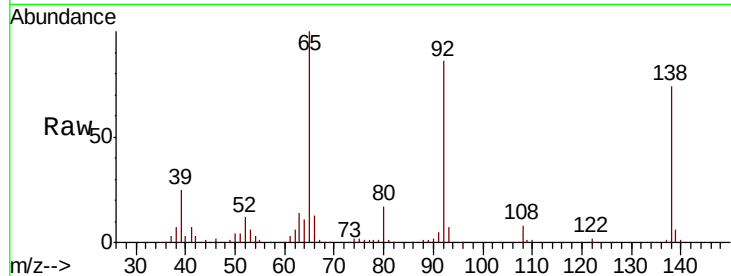
#53
3-Nitroaniline
Concen: 21.916 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.7	13.1
92	116.8	97.0	145.4

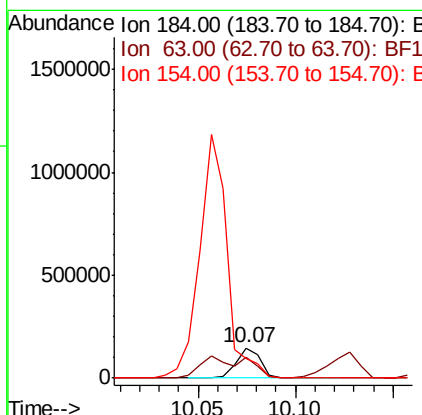
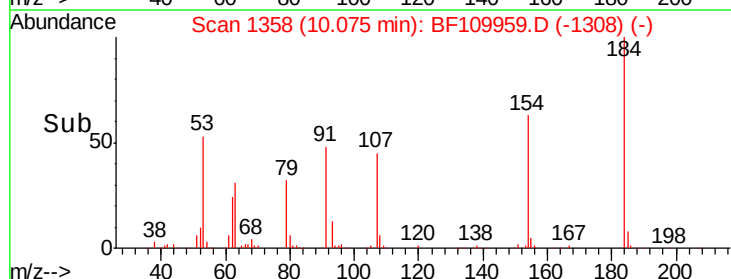
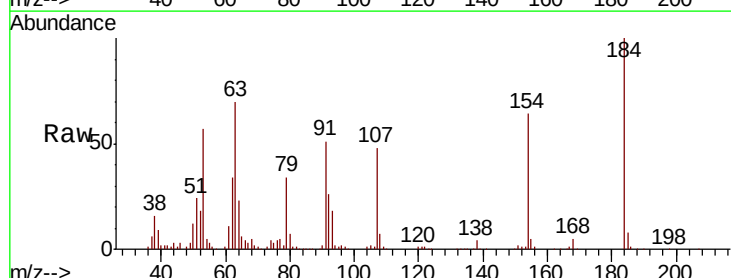
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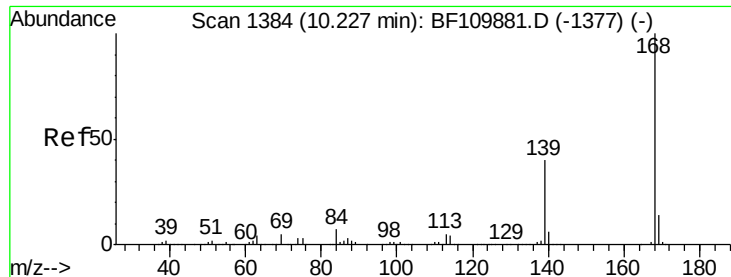
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#54
2,4-Dinitrophenol
Concen: 71.938 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	70.4	55.8	83.6
154	63.6	63.2	94.8





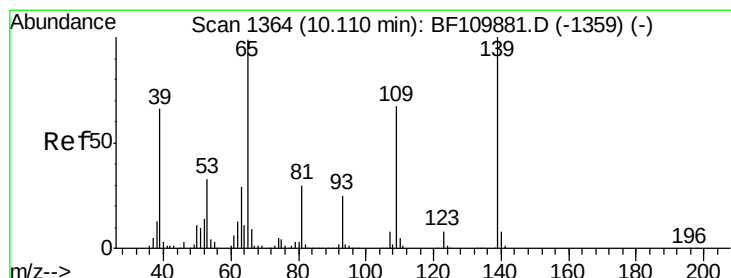
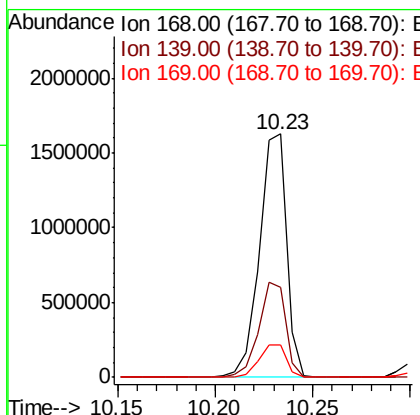
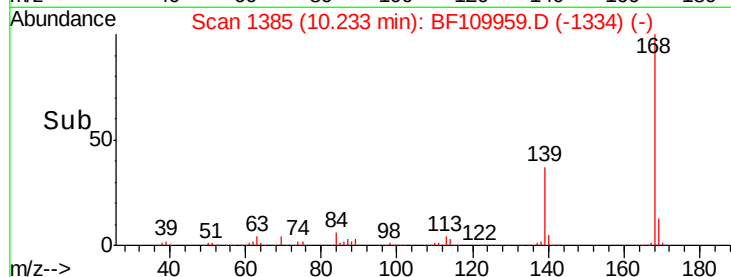
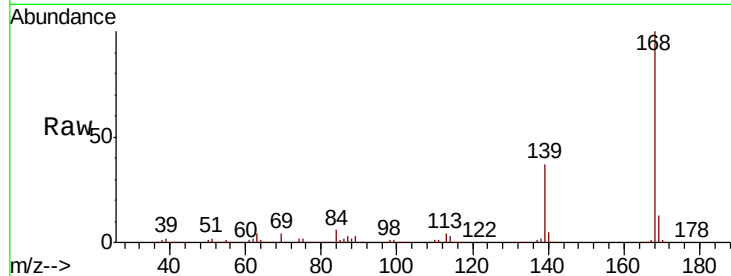
#55
Dibenzenofuran
Concen: 43.567 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion:168 Resp: 1568072
Ion Ratio Lower Upper
168 100
139 37.0 33.0 49.6
169 13.3 11.3 16.9

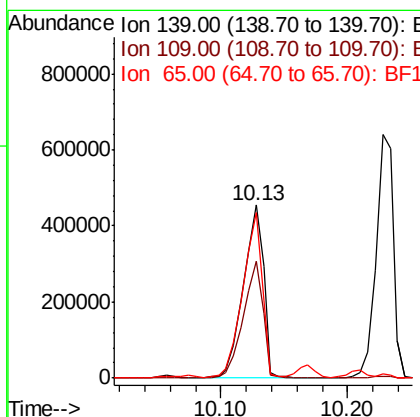
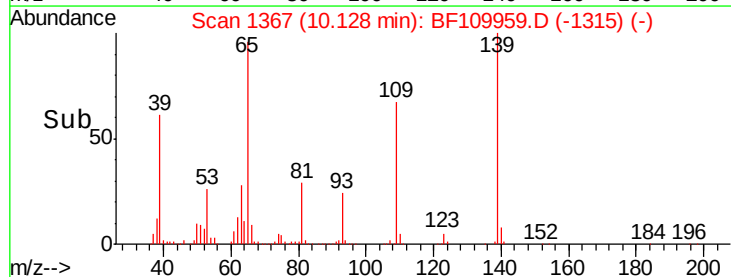
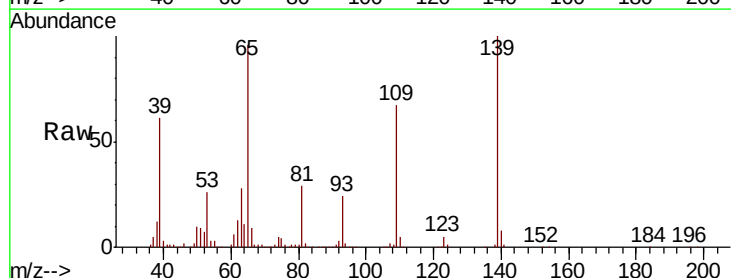
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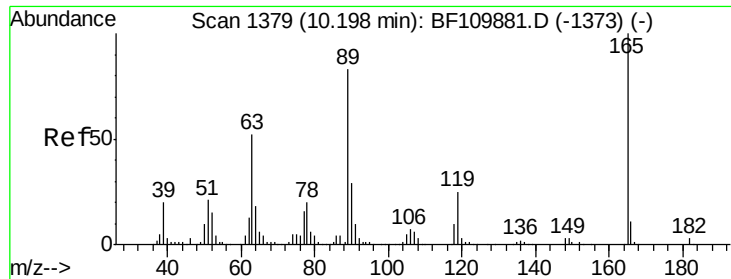
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#56
4-Nitrophenol
Concen: 96.996 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:139 Resp: 503434
Ion Ratio Lower Upper
139 100
109 67.2 55.8 95.8
65 95.6 77.9 117.9





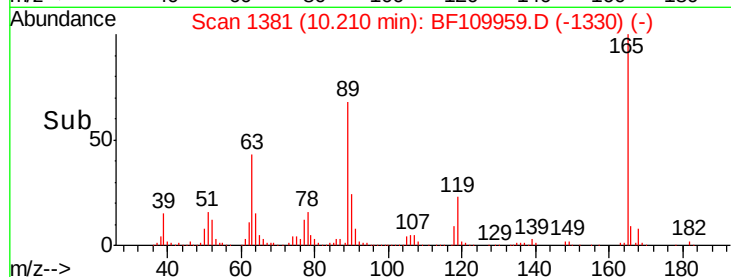
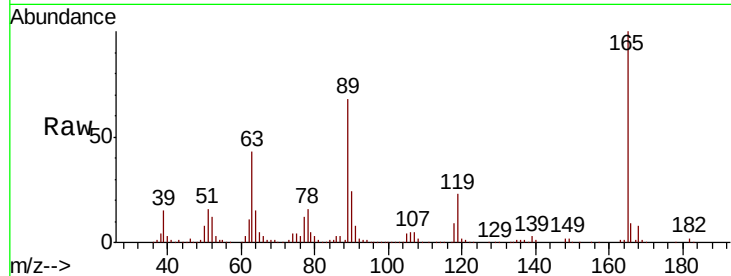
#57
2,4-Dinitrotoluene
Concen: 55.358 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	42.7	44.8	67.2#
89	68.1	62.2	93.4
182	2.5	2.1	3.1

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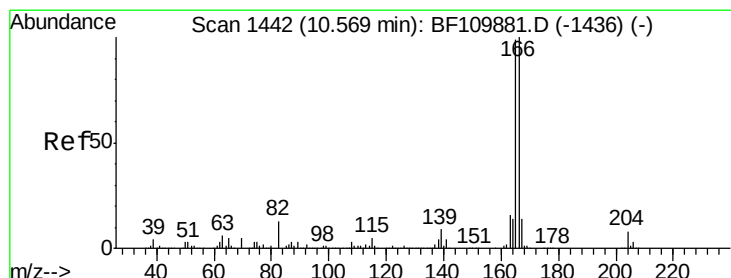
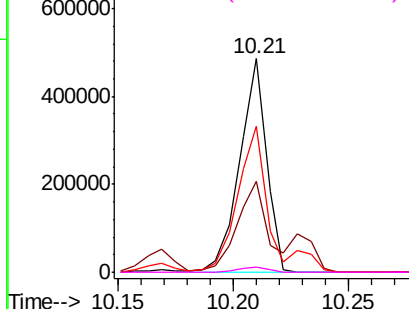
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

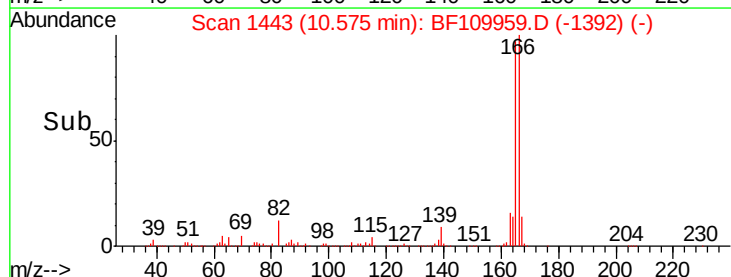
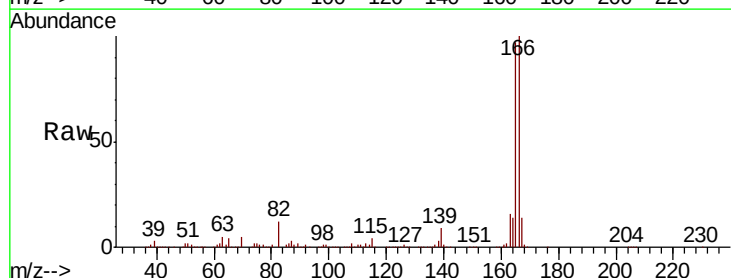
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 46.131 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	97.2	78.6	117.8
167	13.8	10.8	16.2

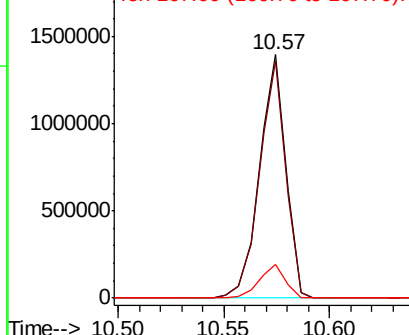


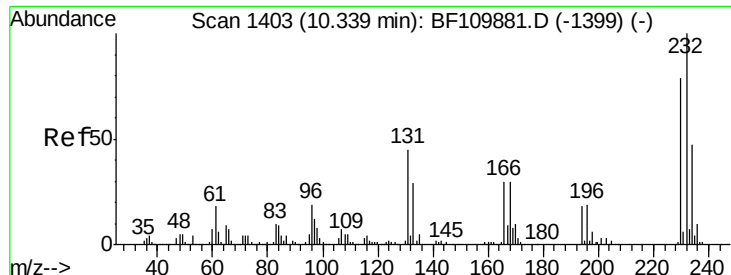
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





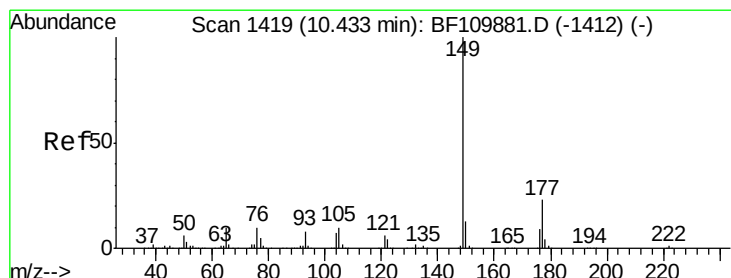
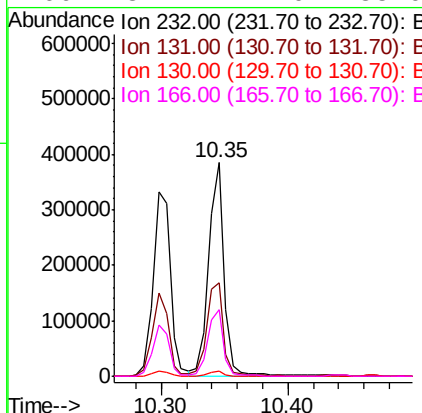
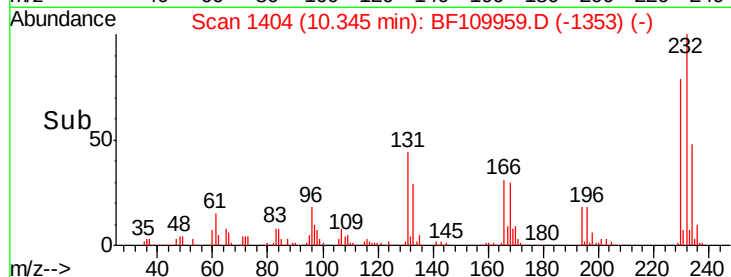
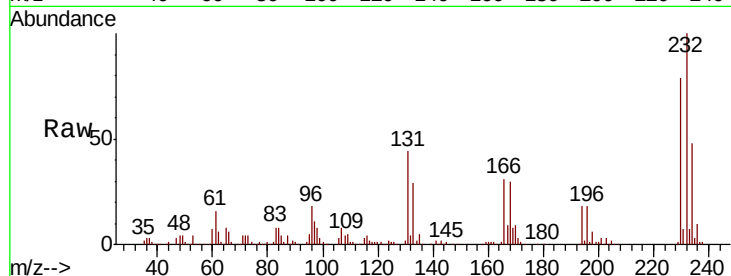
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.163 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion:	232	Resp:	330411
Ion Ratio	Lower	Upper	
232	100		
131	46.4	37.0	55.4
130	2.2	1.8	2.6
166	31.7	22.0	33.0

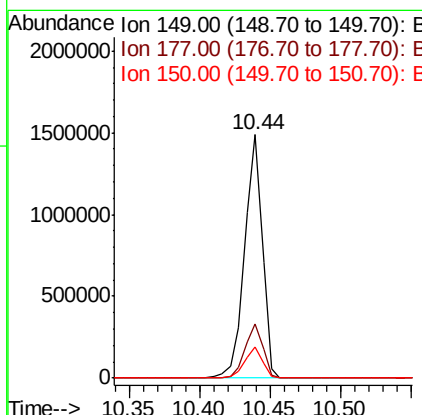
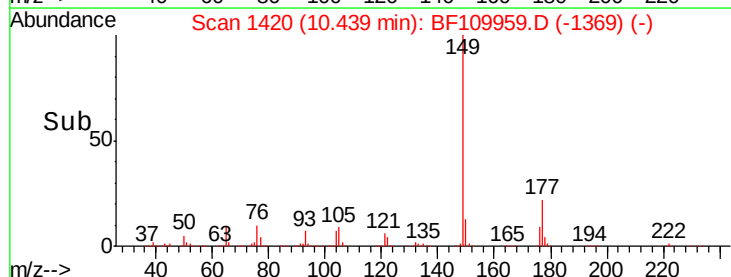
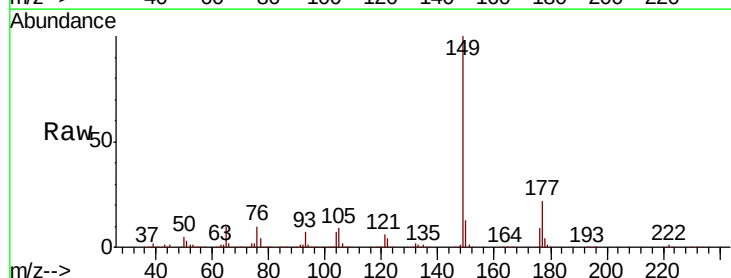
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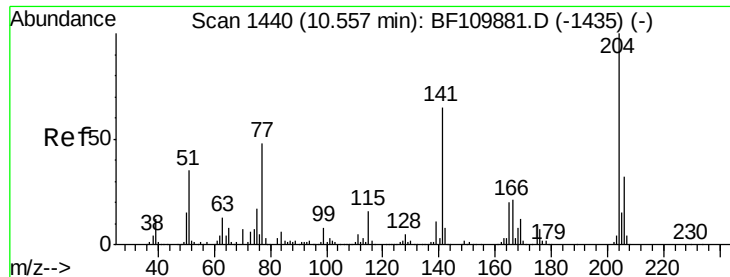
Sohil
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#60
 Diethylphthalate
 Concen: 44.756 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion:	149	Resp:	1301448
Ion Ratio	Lower	Upper	
149	100		
177	22.5	17.4	26.2
150	12.8	9.8	14.8





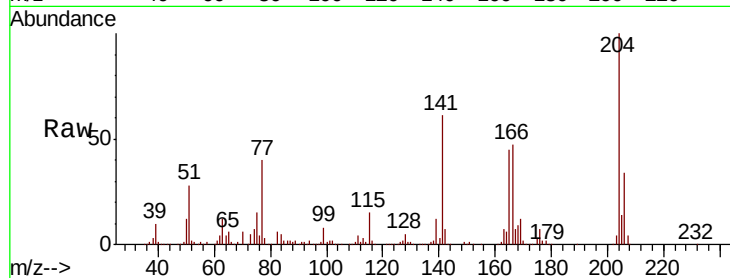
#61
4-Chlorophenyl-phenylether
Concen: 42.400 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.5	39.7
141	61.4	51.8	77.8

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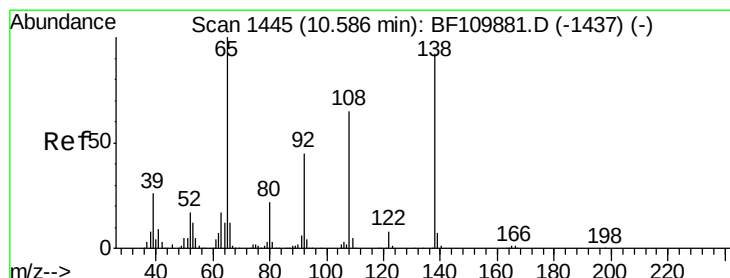
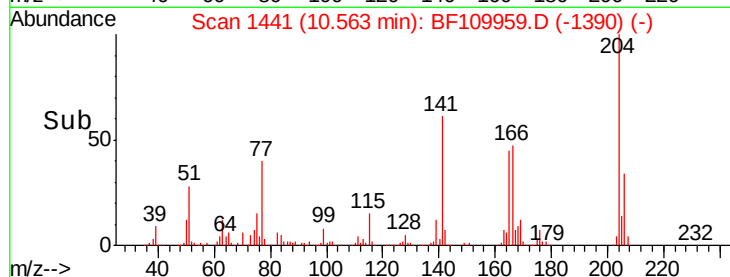
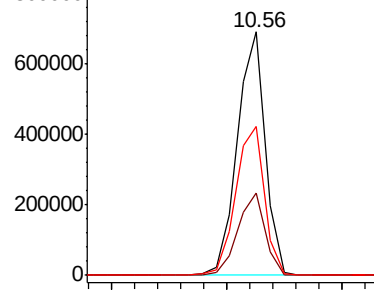


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 48.628 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

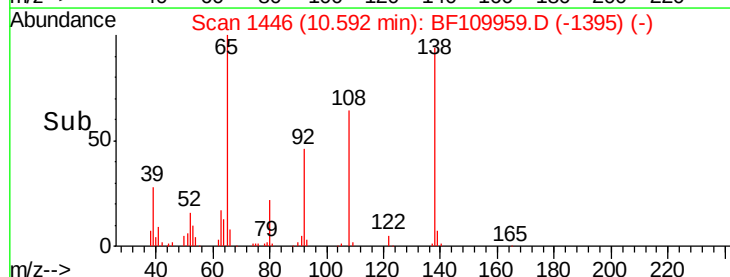
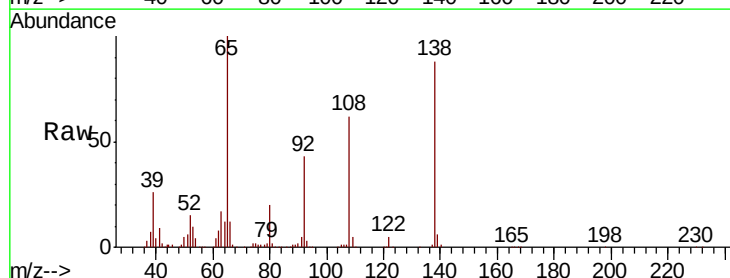
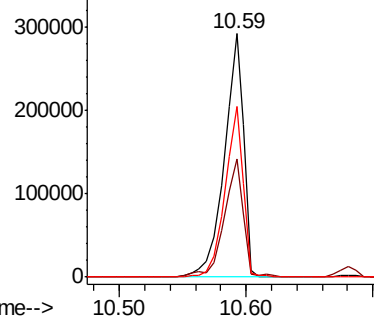
Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.3	31.7	71.7
108	69.9	59.3	99.3

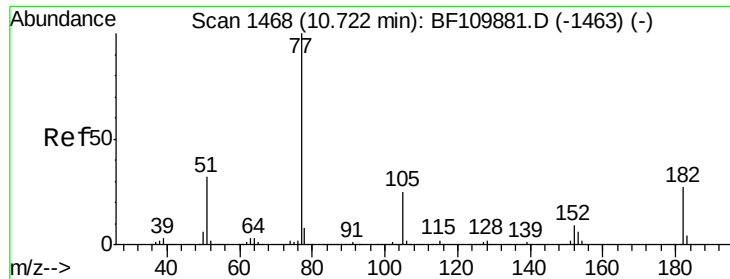
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 41.219 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion: 77 Resp: 1252154

Ion Ratio Lower Upper

77 100

182 25.8 4.3 44.3

105 23.0 1.3 41.3

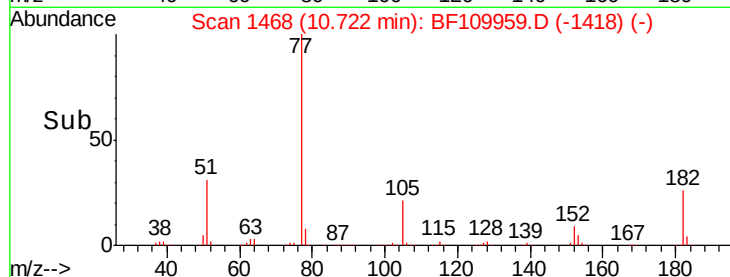
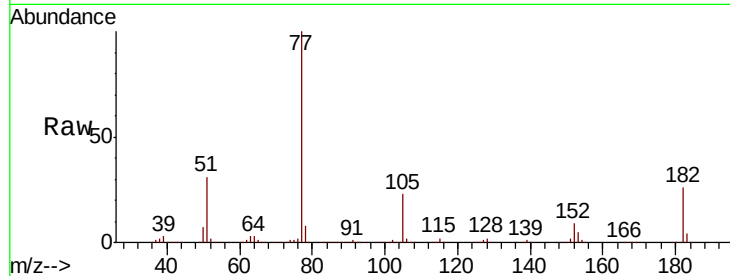
51 31.3 9.0 49.0

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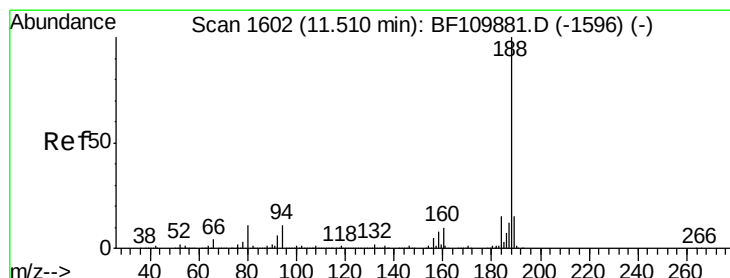
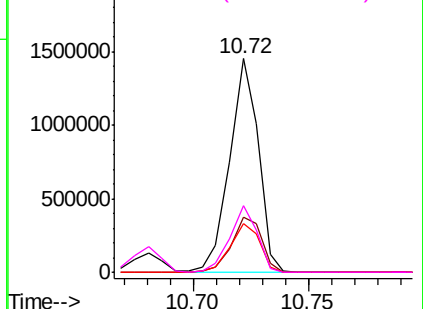


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

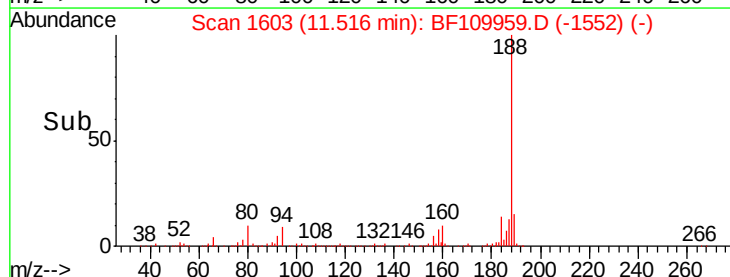
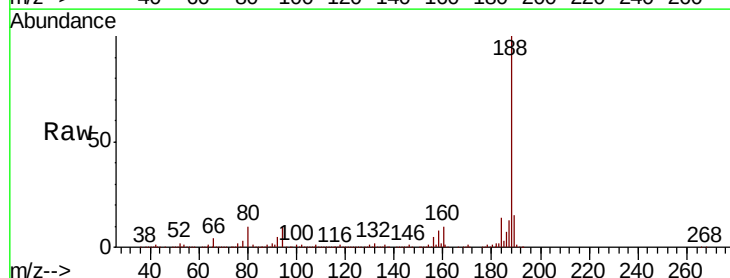
Tgt Ion: 188 Resp: 727614

Ion Ratio Lower Upper

188 100

94 9.5 7.2 10.8

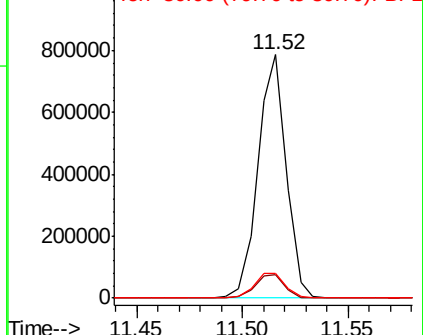
80 10.1 7.9 11.9

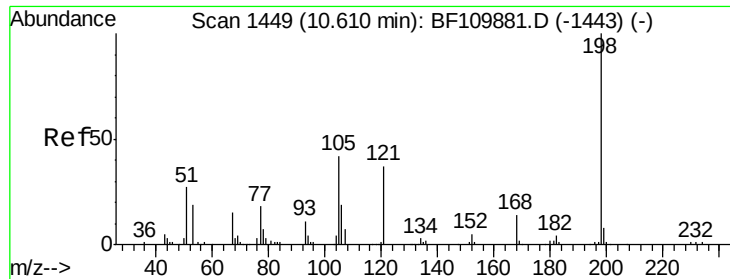


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





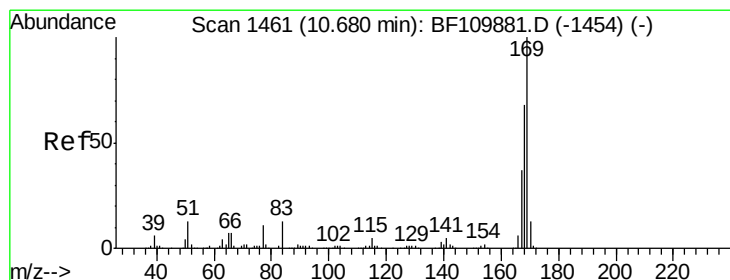
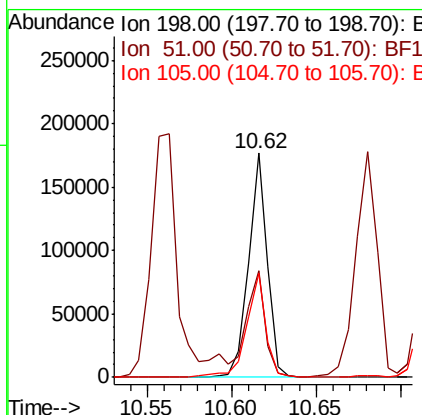
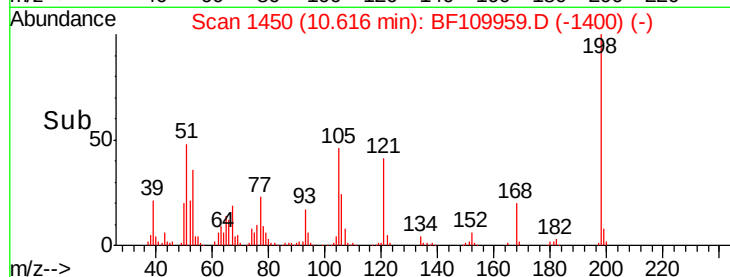
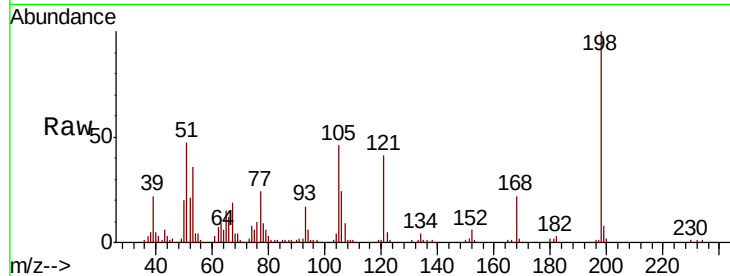
#65
4,6-Dinitro-2-methylphenol
Concen: 51.628 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.5	22.8	62.8
105	46.2	23.6	63.6

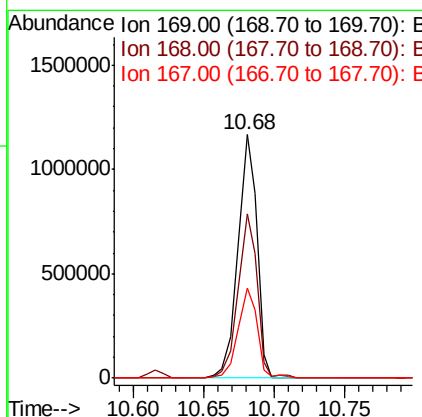
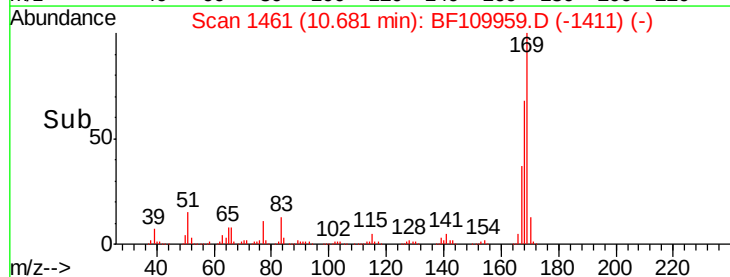
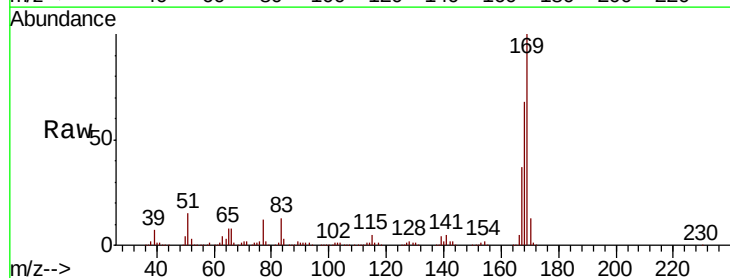
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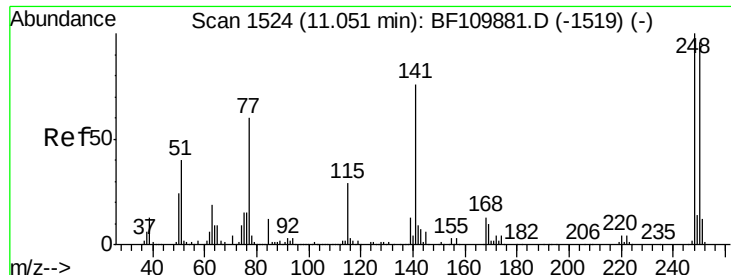
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 44.949 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	51.2	76.8
167	36.8	27.8	41.6





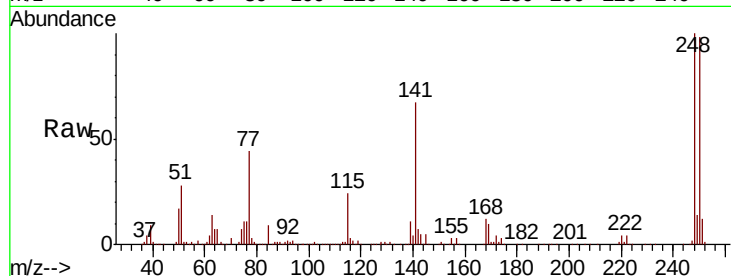
#67
 4-Bromophenyl-phenylether
 Concen: 45.258 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	79.4	119.2
141	66.8	55.9	83.9

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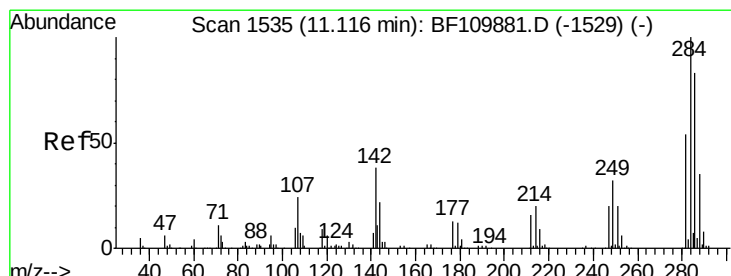
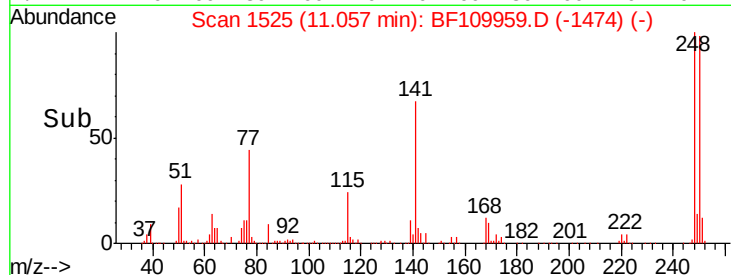
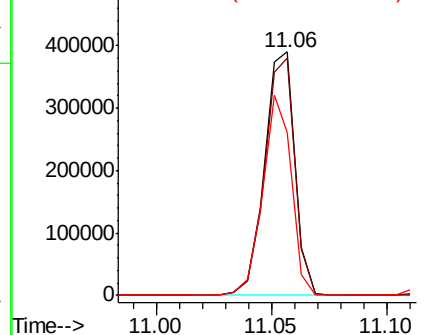


Abundance

Ion 248.00 (247.70 to 248.70): E

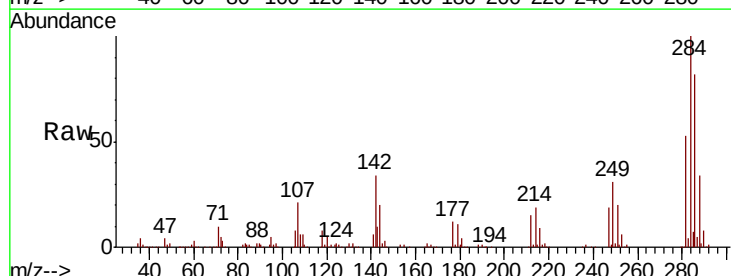
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 43.613 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.8	23.9	35.9
249	31.3	24.2	36.2

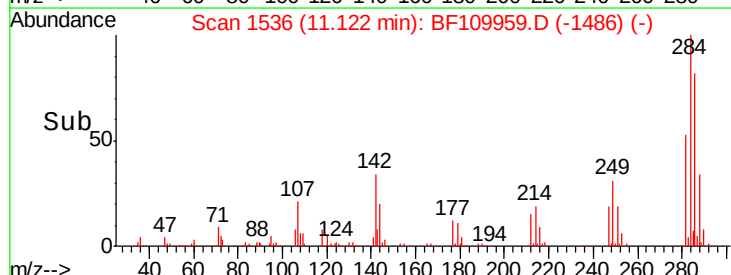
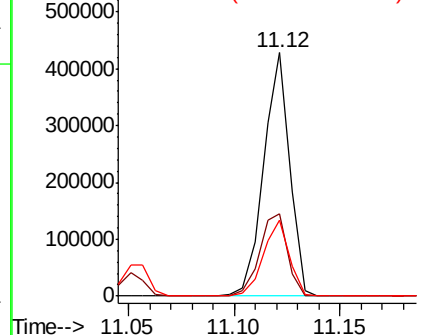


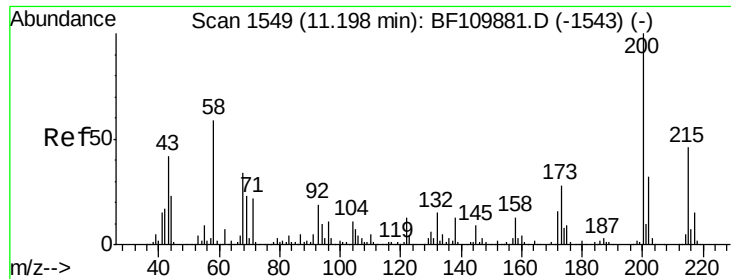
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





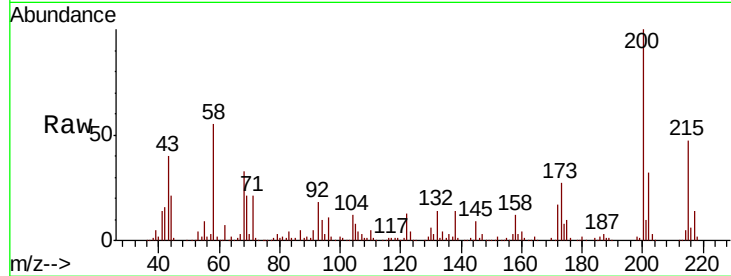
#69
Atrazine
Concen: 47.754 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	6.6	46.6
215	46.5	26.3	66.3

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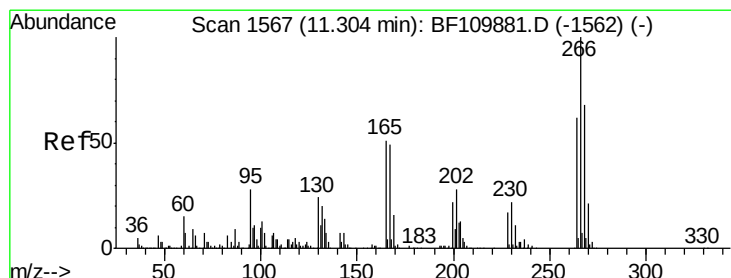
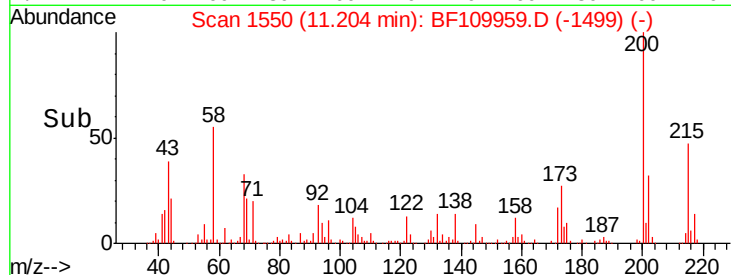
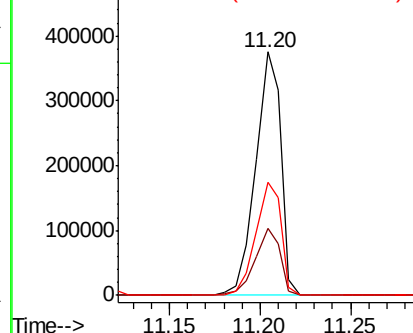


Abundance

Ion 200.00 (199.70 to 200.70): E

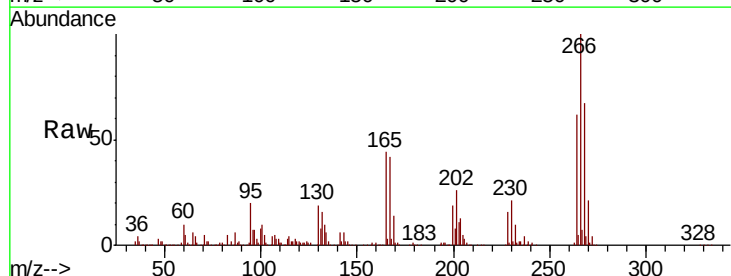
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 75.226 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.6	75.8
264	62.3	50.6	75.8

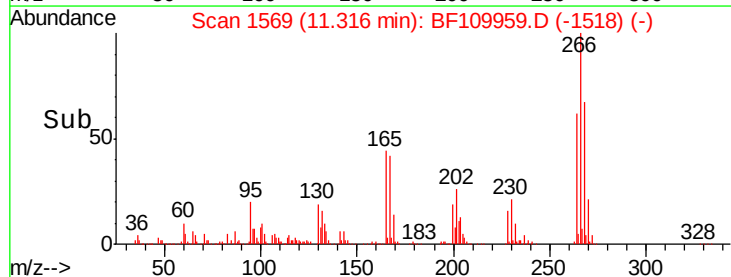
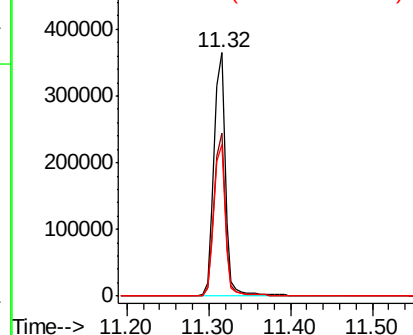


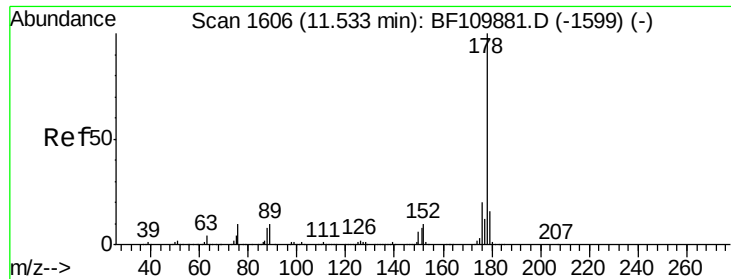
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





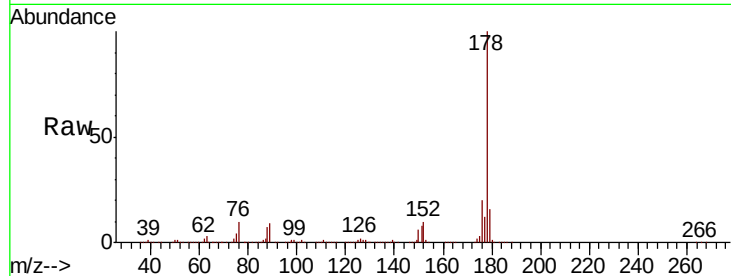
#71
Phenanthrene
Concen: 44.403 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

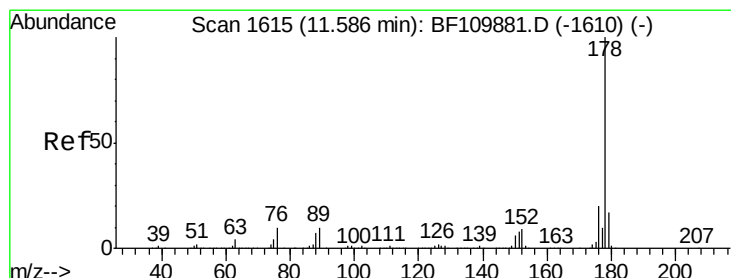
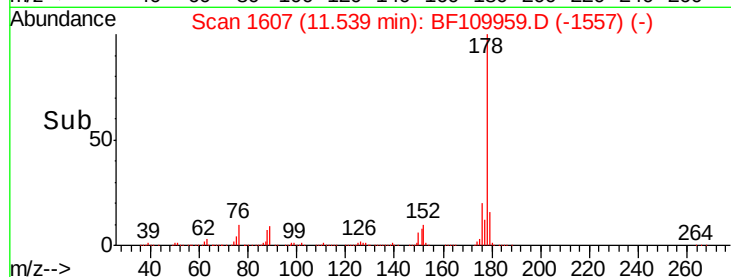
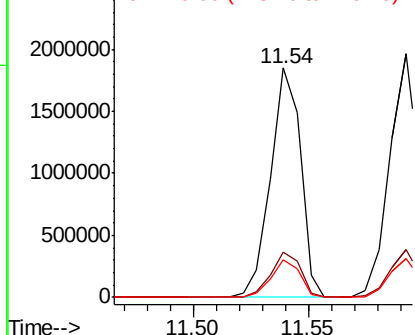
Tot Ion:178 Resp: 1672630
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 16.2 12.5 18.7

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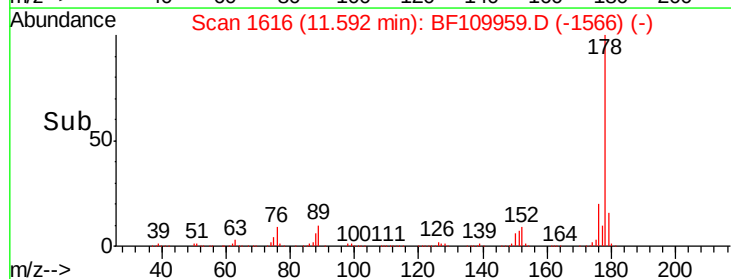
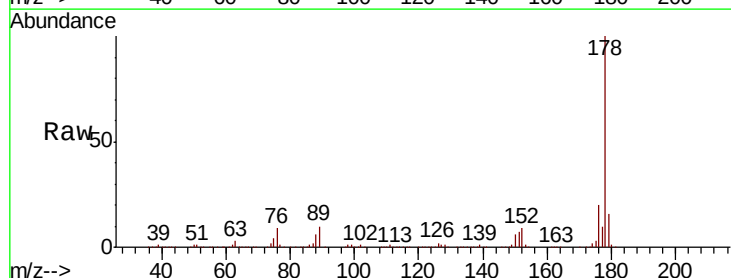
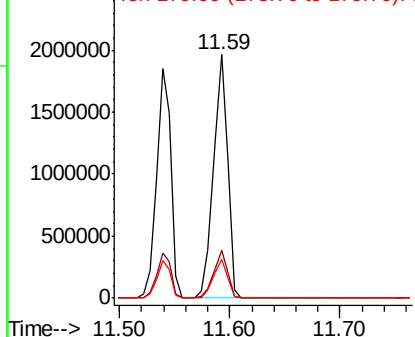
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

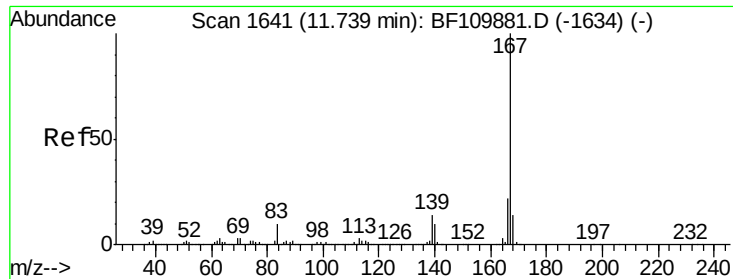


#72
Anthracene
Concen: 45.347 ng
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:178 Resp: 1717349
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 16.1 12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





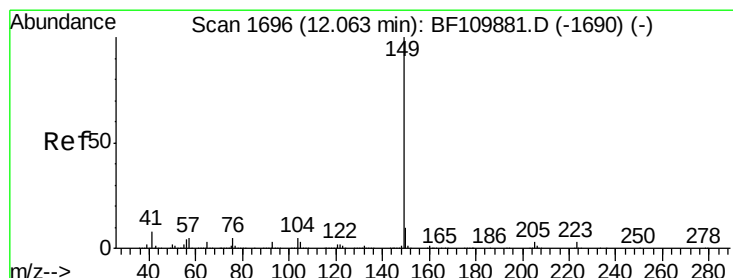
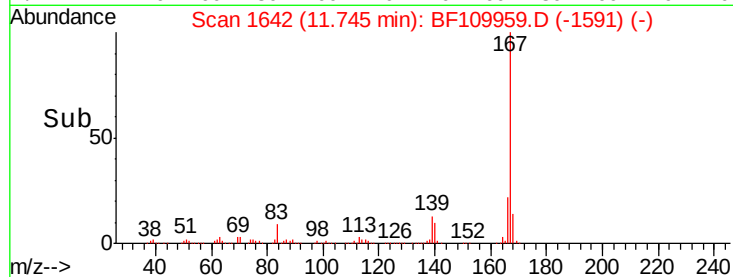
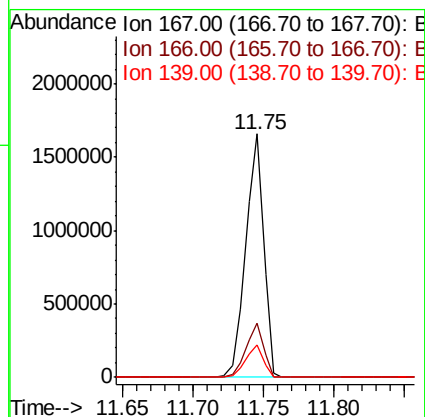
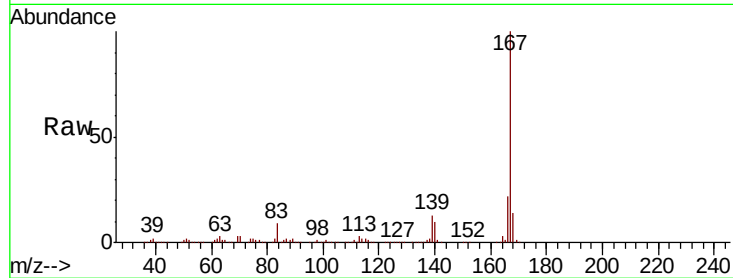
#73
 Carbazole
 Concen: 39.416 ng
 RT: 11.75 min Scan# 1642
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion:167 Resp: 1467024
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 13.2 10.9 16.3

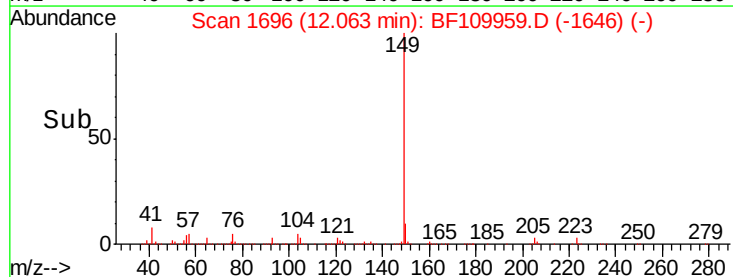
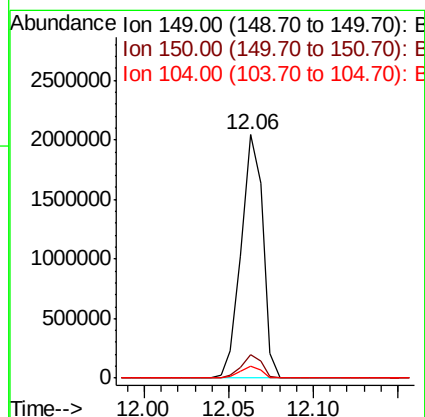
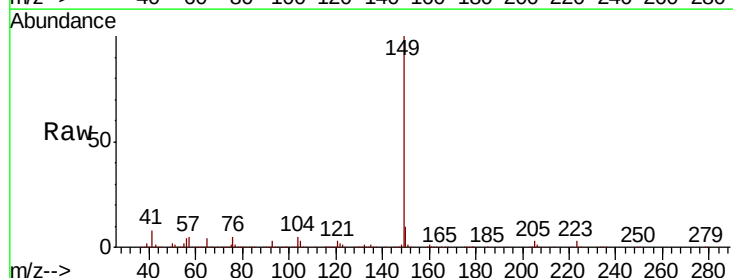
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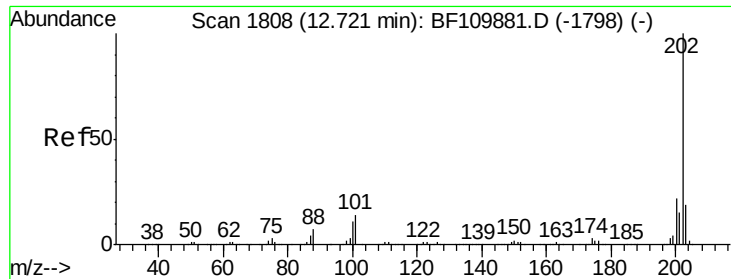
Sohil
 10/19/2018 12:08:34 PM



#74
 Di-n-butylphthalate
 Concen: 43.923 ng
 RT: 12.06 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Tgt Ion:149 Resp: 1824458
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.7 11.5
 104 5.1 4.2 6.4





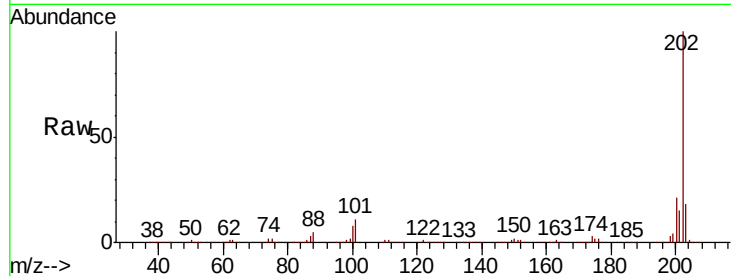
#75
 Fluoranthene
 Concen: 39.132 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

Instrument :
 BNA_F
 ClientSampleId :
 RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.4
203	17.5	0.0	37.7

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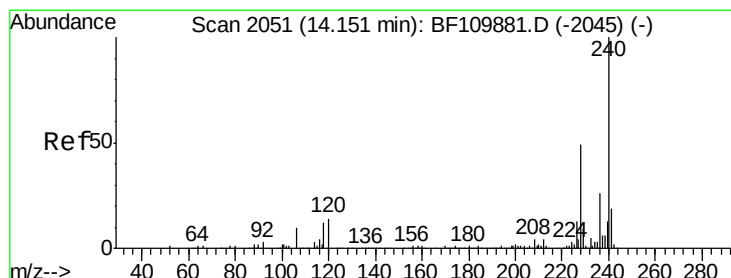
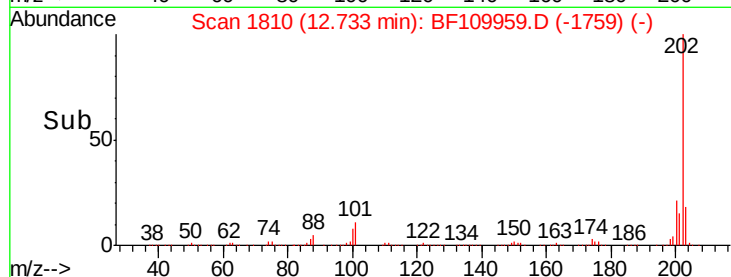
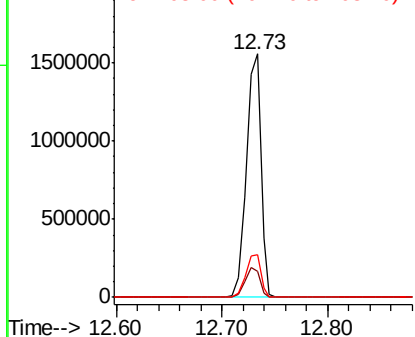


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.00 min
 Lab File: BF109959.D
 Acq: 18 Oct 2018 14:17

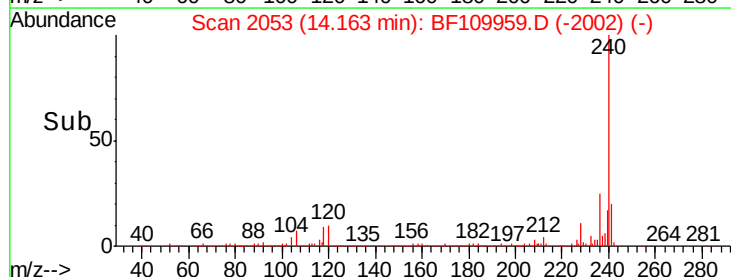
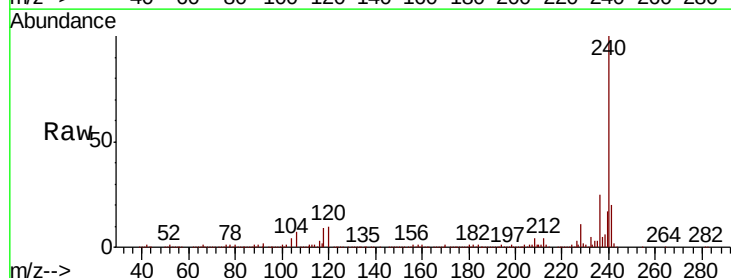
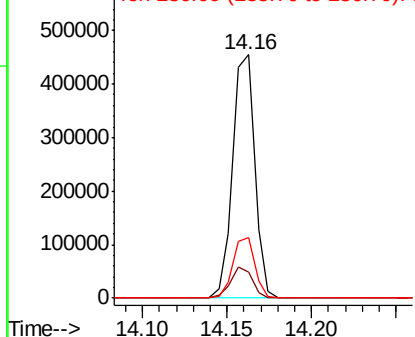
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	24.6	21.2	31.8

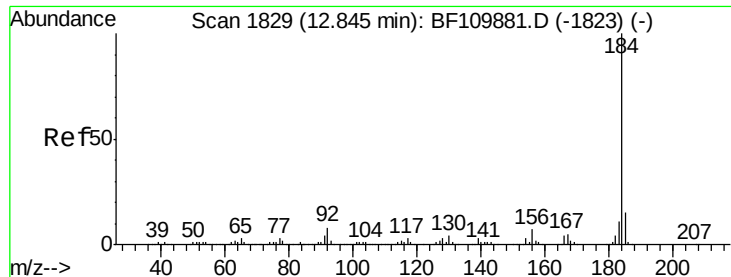
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 38.435 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

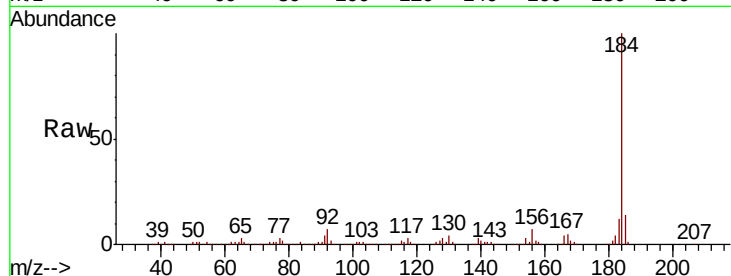
ClientSampleId :

RLF-SD-5MSD

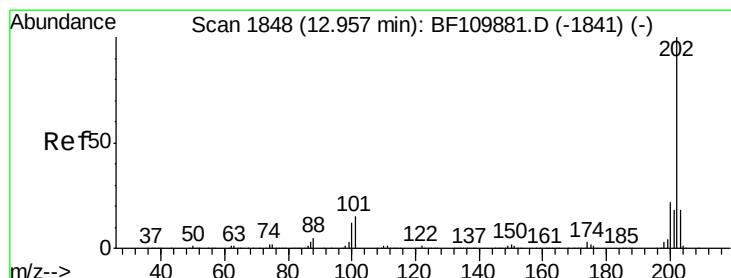
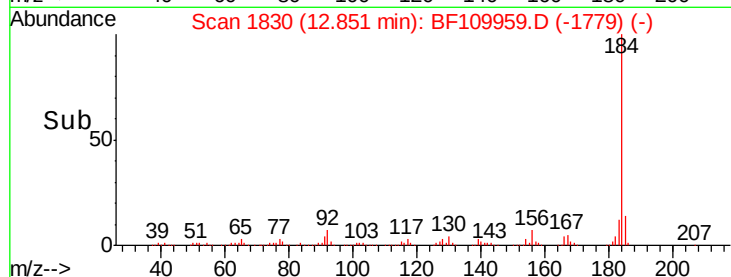
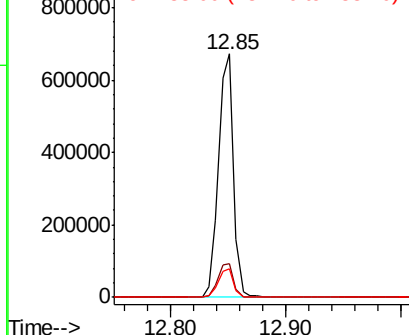
Tot Ion:	184	Resp:	607832
Ion Ratio	Lower	Upper	
184	100		
185	13.9	13.4	20.2
183	11.8	9.4	14.2

Manual Integrations
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.265 ng

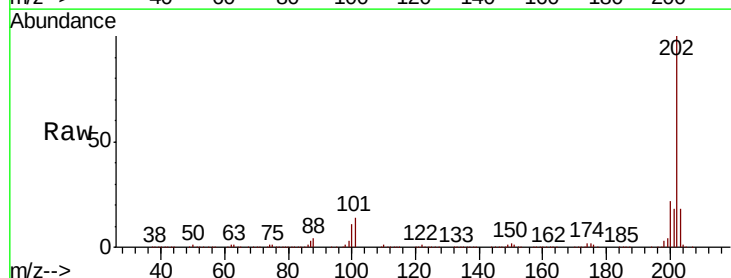
RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

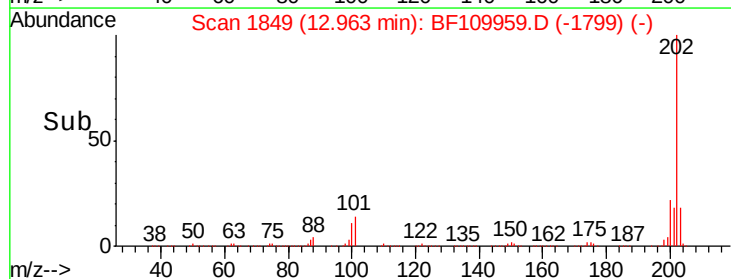
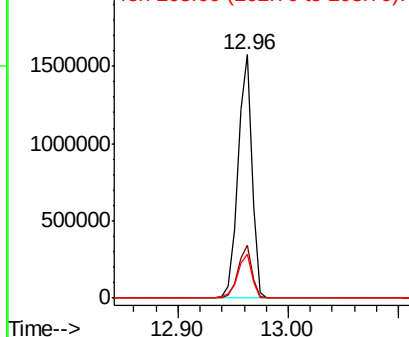
Lab File: BF109959.D

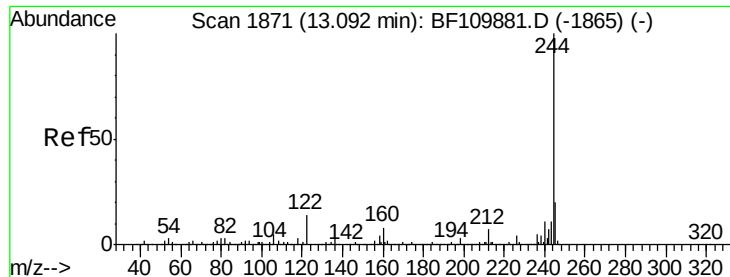
Acq: 18 Oct 2018 14:17

Tgt Ion:	202	Resp:	1401585
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.8	26.6
203	17.9	14.2	21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.326 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion:244 Resp: 1597412

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

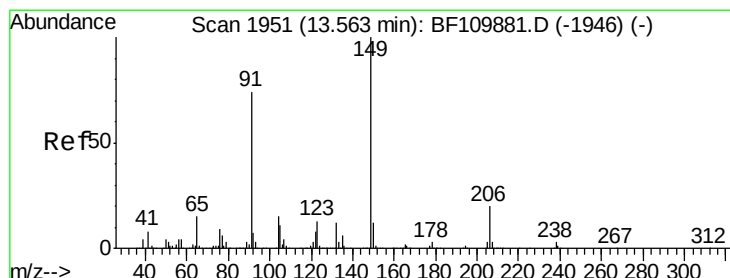
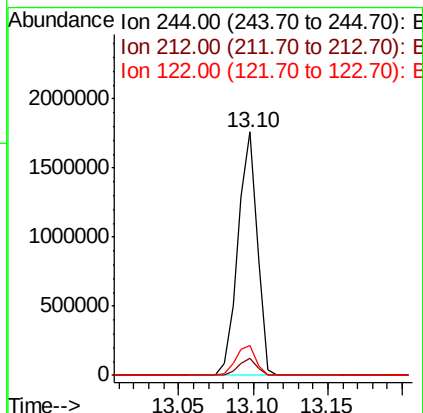
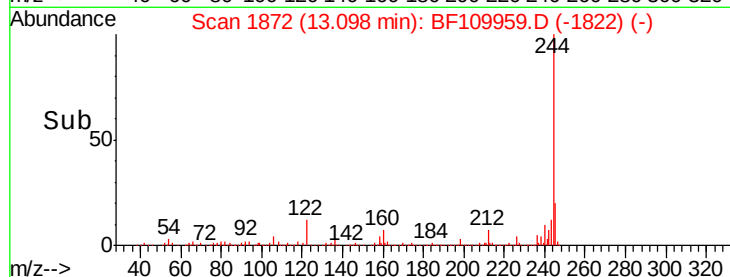
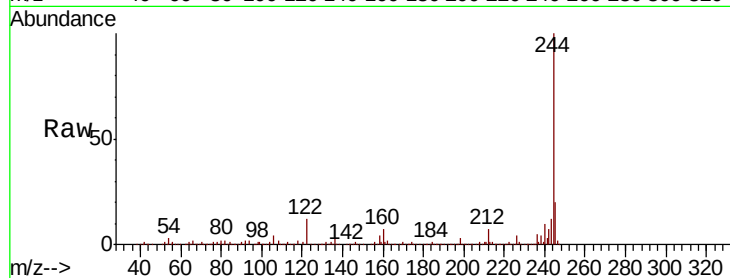
122 12.5 8.7 13.1

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#80

Butylbenzylphthalate

Concen: 49.717 ng

RT: 13.57 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

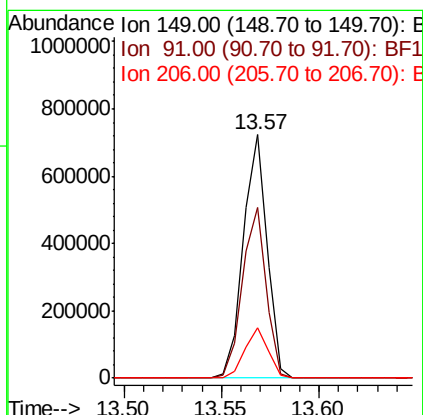
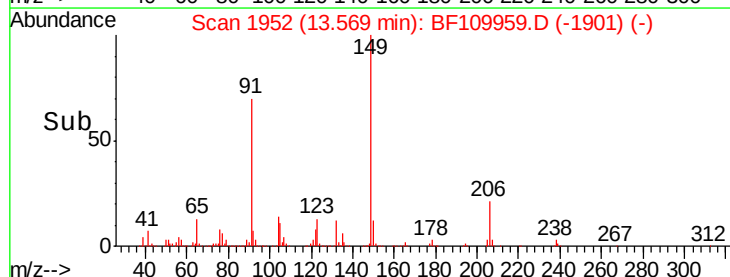
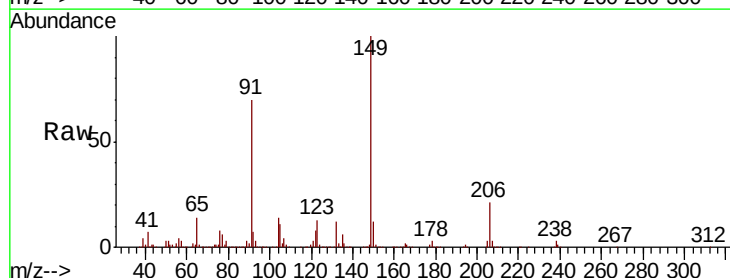
Tgt Ion:149 Resp: 608925

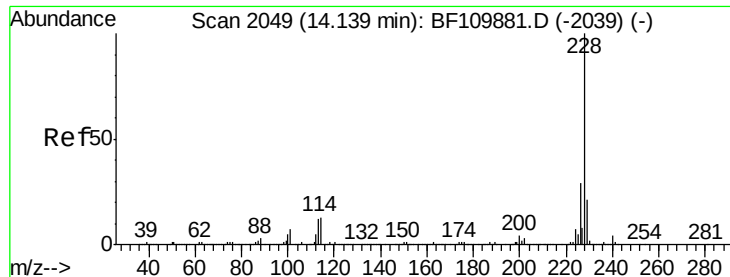
Ion Ratio Lower Upper

149 100

91 69.8 57.2 85.8

206 20.6 15.7 23.5





#81

Benzo(a)anthracene

Concen: 46.159 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion:228 Resp: 1121448

Ion Ratio Lower Upper

228 100

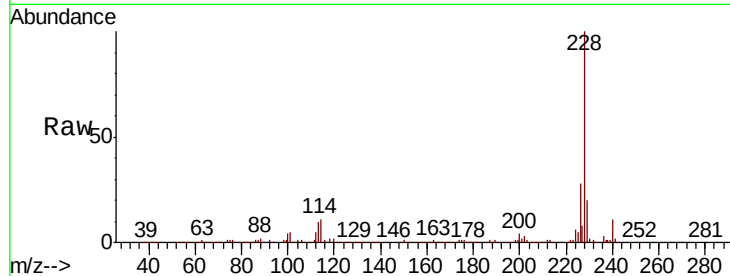
226 28.0 22.1 33.1

229 19.8 15.6 23.4

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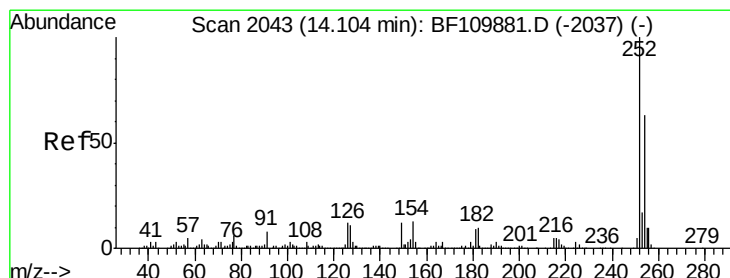
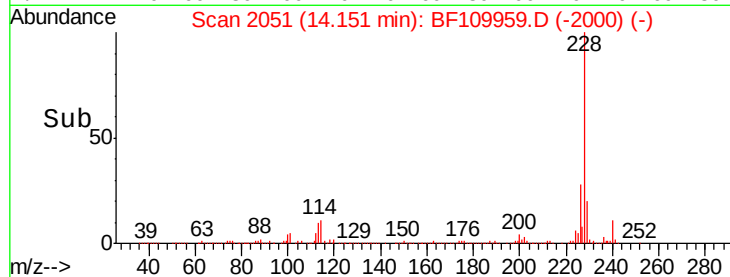
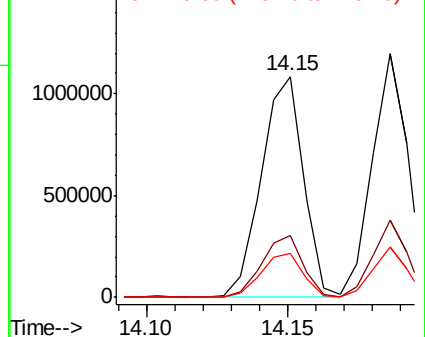


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.962 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

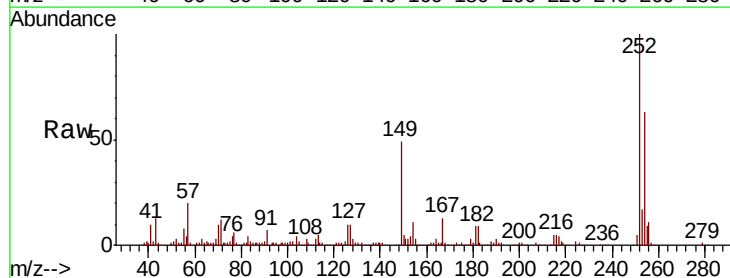
Tgt Ion:252 Resp: 272234

Ion Ratio Lower Upper

252 100

254 63.4 51.3 76.9

126 10.1 9.4 14.2

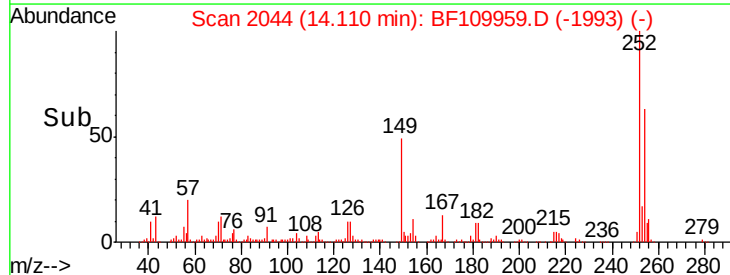
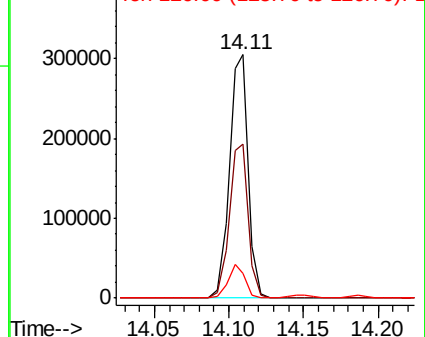


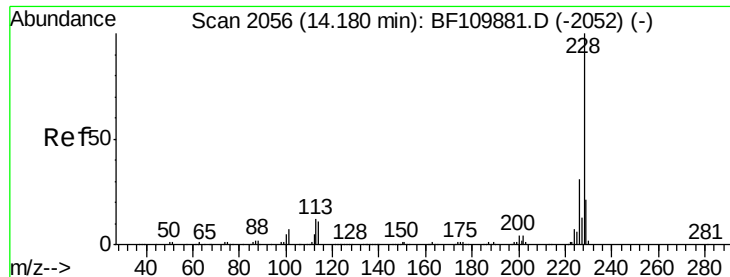
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





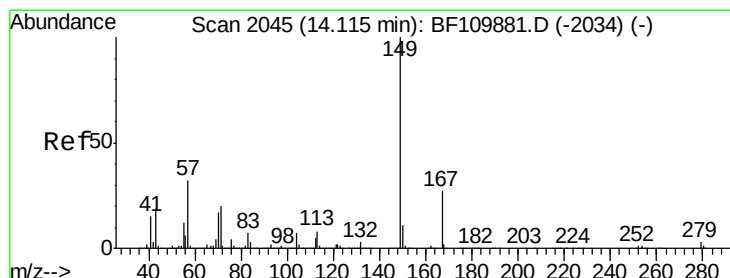
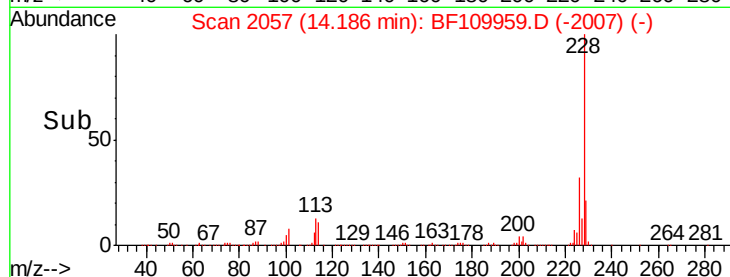
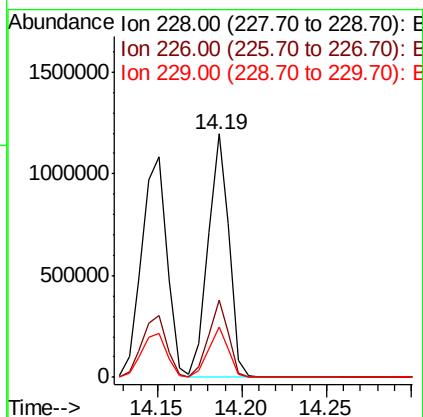
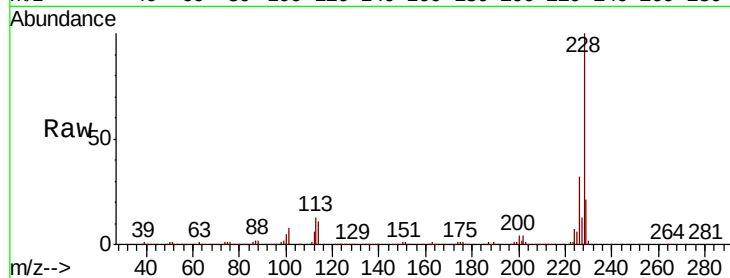
#83
Chrysene
Concen: 44.666 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.7	37.1
229	20.7	15.9	23.9

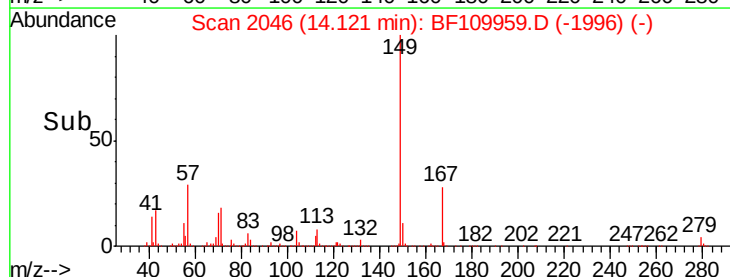
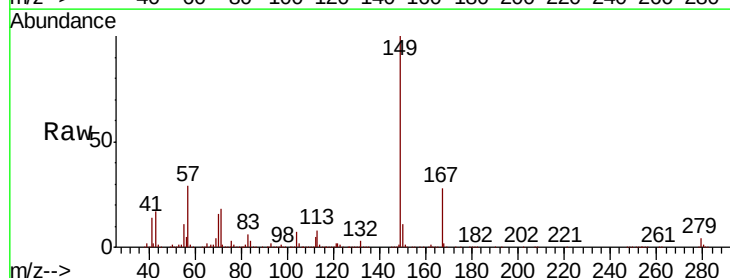
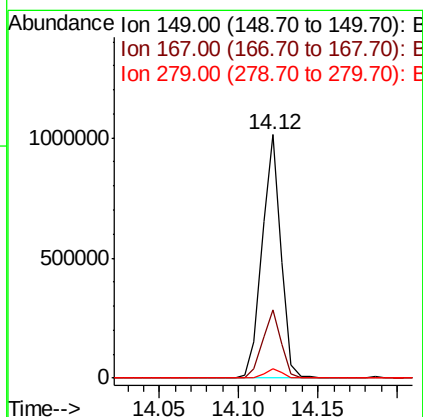
Manual Integrations
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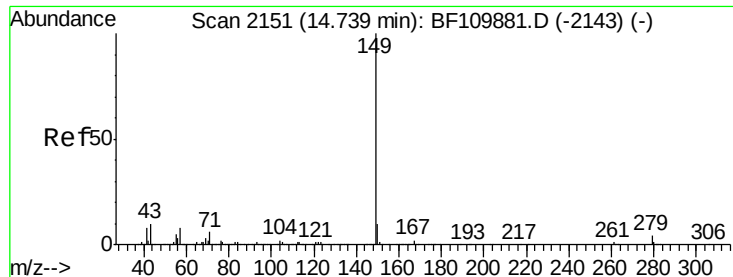
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 52.235 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	19.8	29.8
279	3.8	2.7	4.1





#85

Di-n-octyl phthalate

Concen: 58.056 ng

RT: 14.74 min Scan# 2151

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

ClientSampleId :

RLF-SD-5MSD

Tot Ion:149 Resp: 1319083

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

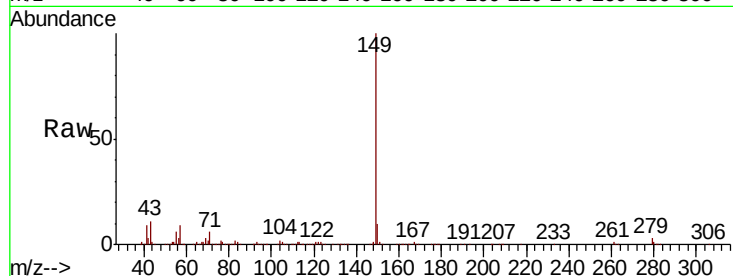
43 10.3 7.8 11.8

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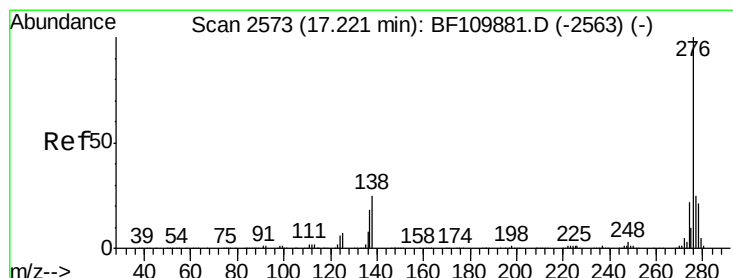
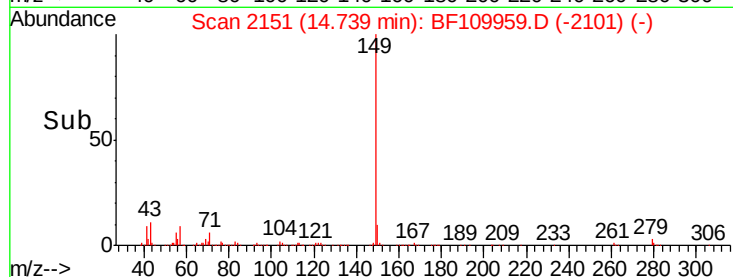
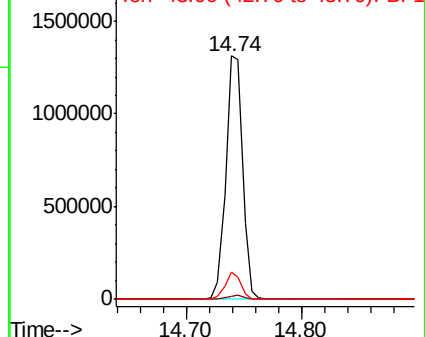
10/19/2018 12:08:34 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 70.016 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

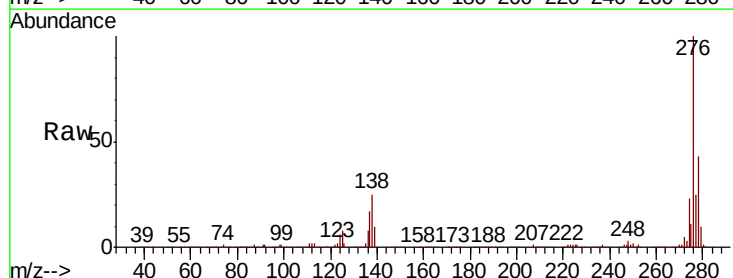
Tgt Ion:276 Resp: 1303683

Ion Ratio Lower Upper

276 100

138 27.9 18.5 27.7#

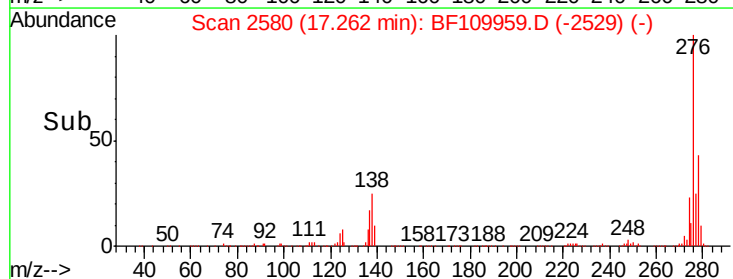
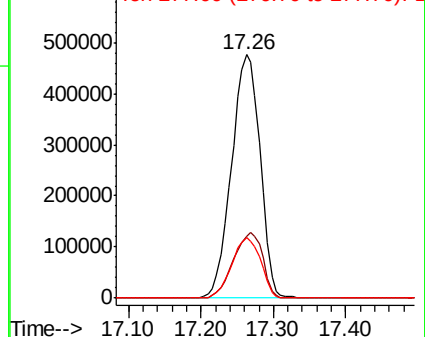
277 25.3 20.0 30.0

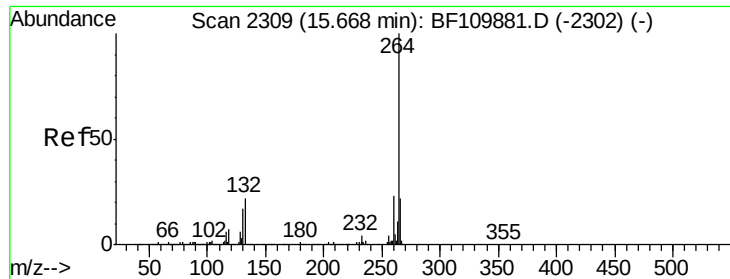


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

Instrument :

BNA_F

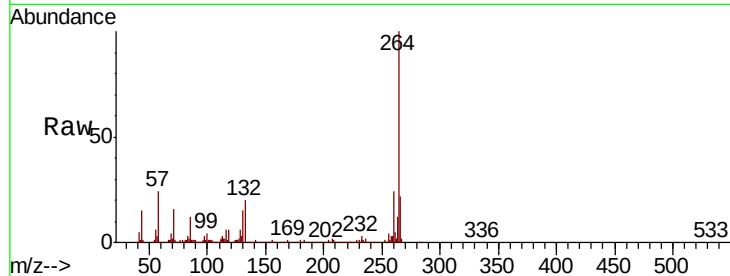
ClientSampleId :

RLF-SD-5MSD

Tot Ion:	264	Resp:	428843
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	21.9	16.7	25.1

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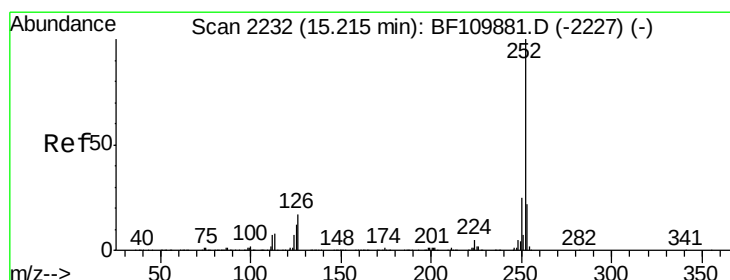
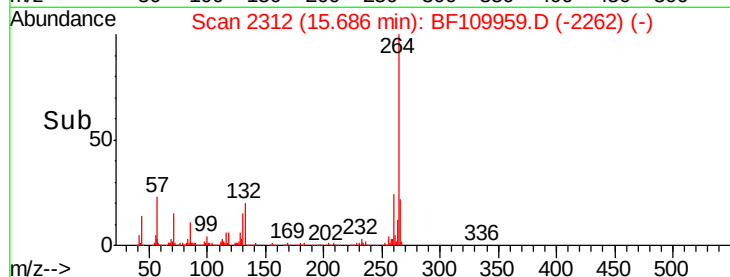
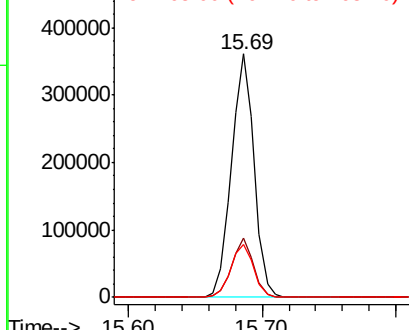


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 44.864 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF109959.D

Acq: 18 Oct 2018 14:17

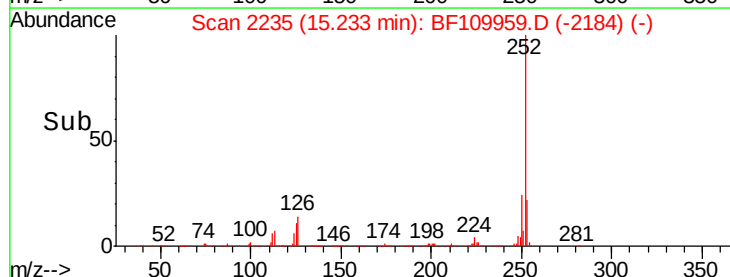
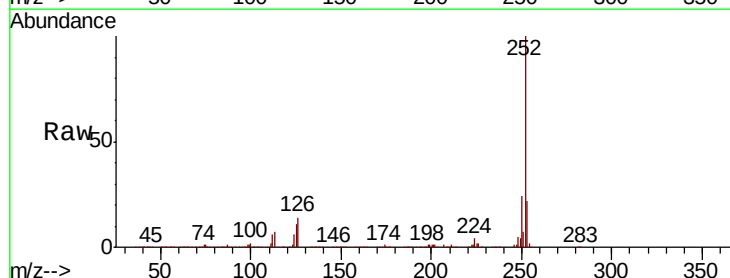
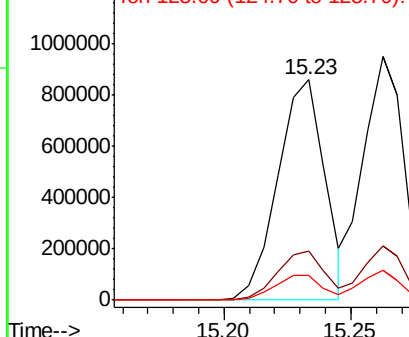
Tgt Ion:	252	Resp:	1109206
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.2	25.8
125	11.0	8.2	12.4

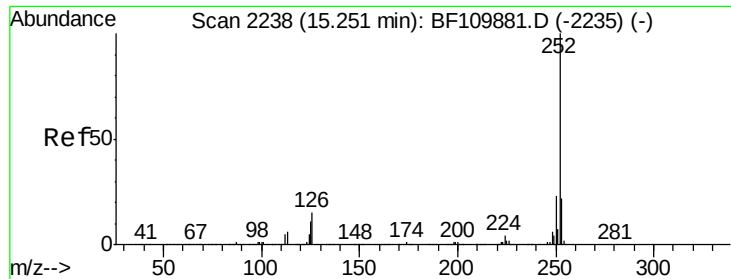
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





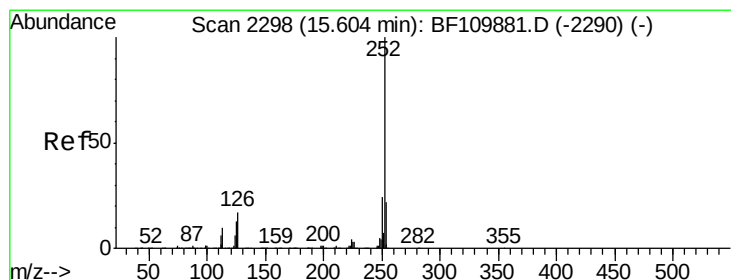
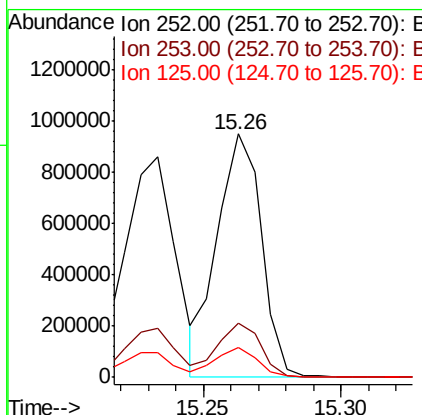
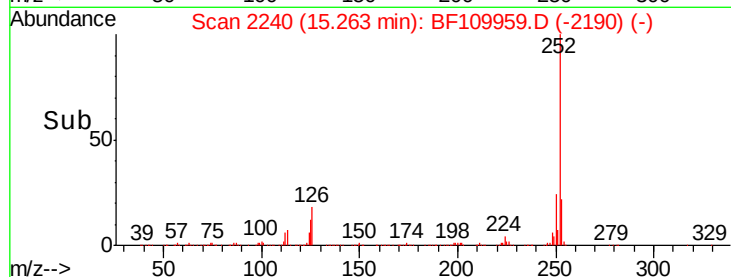
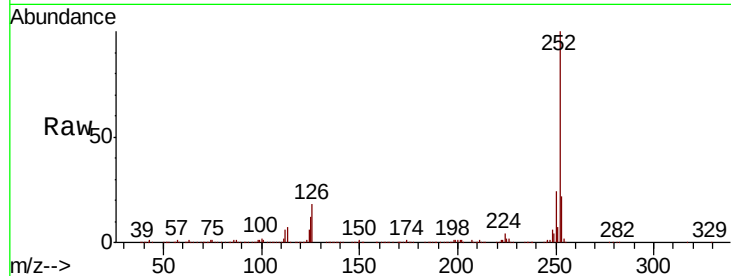
#89
Benzo(k)fluoranthene
Concen: 43.579 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion:252 Resp: 1061979
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 12.3 7.4 11.0#

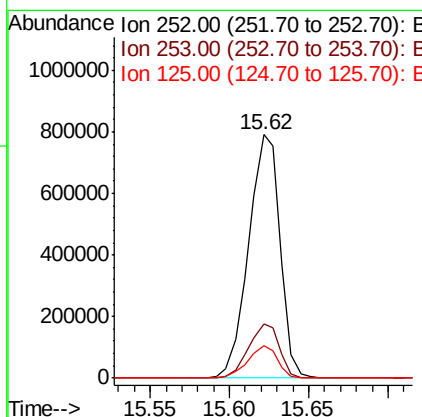
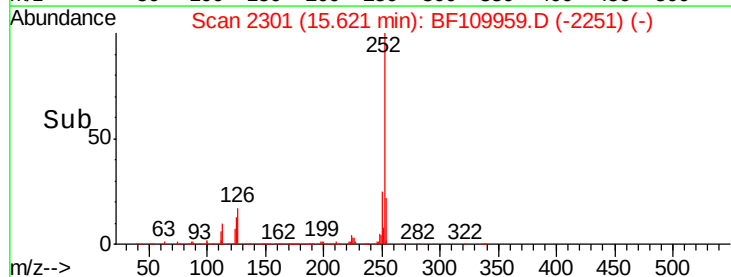
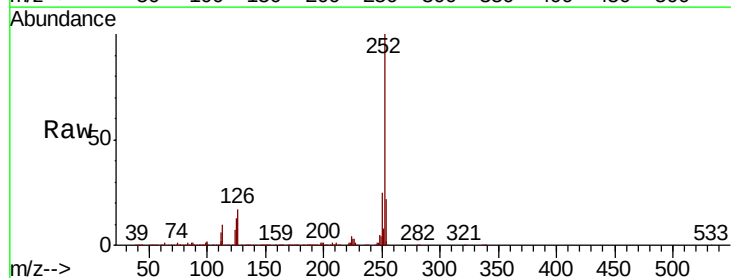
Manual Integrations
APPROVED

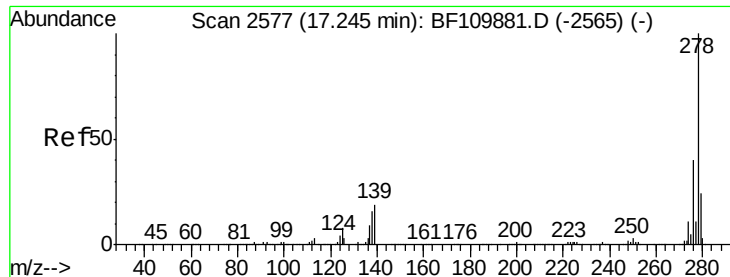
Sohil
10/19/2018 12:08:34 PM



#90
Benzo(a)pyrene
Concen: 47.858 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:252 Resp: 1088235
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.4
125 13.4 9.0 13.6





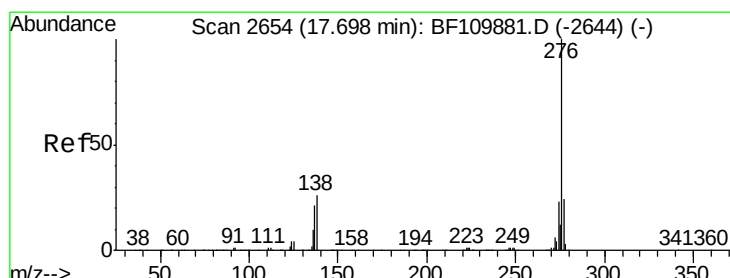
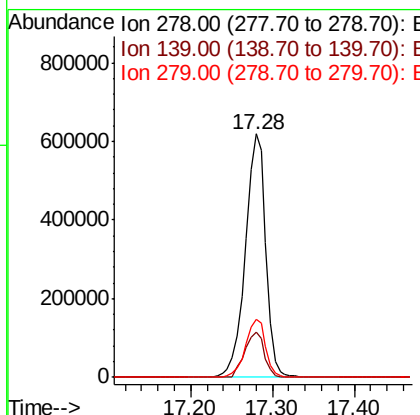
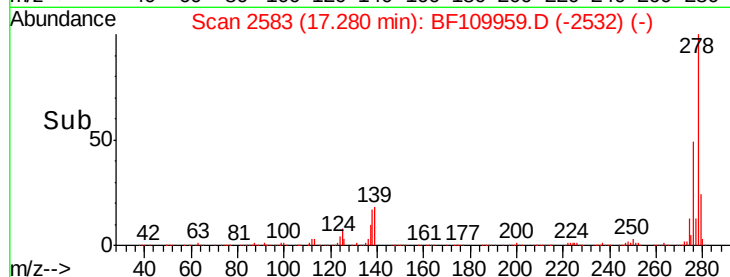
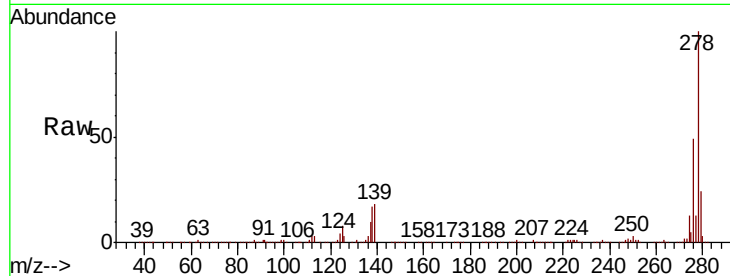
#91
Dibenzo(a,h)anthracene
Concen: 53.256 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.00 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Instrument :
BNA_F
ClientSampleId :
RLF-SD-5MSD

Tot Ion:278 Resp: 1073198
Ion Ratio Lower Upper
278 100
139 18.4 12.7 19.1
279 24.1 19.0 28.4

Manual Integrations
APPROVED

Sohil
10/19/2018 12:08:34 PM



#92
Benzo(g,h,i)perylene
Concen: 51.300 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.01 min
Lab File: BF109959.D
Acq: 18 Oct 2018 14:17

Tgt Ion:276 Resp: 1044502
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 25.3 16.0 24.0#

