

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116398.D
 Acq On : 19 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4350-09MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Manual Integrations
 APPROVED

mohammad
 8/22/2019 12:45:26 PM

Quant Time: Aug 20 02:10:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	95632	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	376004	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	206723	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	385663	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	334501	20.00	ng	-0.01
87) Perylene-d12	15.42	264	378210	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	781795	136.86	ng	0.00
7) Phenol-d6	6.46	99	922256	127.96	ng	0.00
23) Nitrobenzene-d5	7.37	82	674486	103.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	314114	156.72	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1203309	109.03	ng	-0.01
79) Terphenyl-d14	12.90	244	1579915	99.53	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.63	88	104627	36.254	ng	# 84
3) Pyridine	3.41	79	190258	23.600	ng	100
4) n-Nitrosodimethylamine	3.29	42	123968	38.966	ng	# 98
6) Aniline	6.48	93	239278	23.182	ng	# 78
8) 2-Chlorophenol	6.60	128	313303	49.597	ng	97
9) Benzaldehyde	6.37	77	101952	20.501	ng	99
10) Phenol	6.47	94	356183	41.966	ng	84
11) bis(2-Chloroethyl)ether	6.54	93	319037	51.127	ng	97
12) 1,3-Dichlorobenzene	6.75	146	322231	44.138	ng	98
13) 1,4-Dichlorobenzene	6.82	146	336713	46.064	ng	98
14) 1,2-Dichlorobenzene	6.97	146	308188	45.788	ng	99
15) Benzyl Alcohol	6.96	79	266762	48.771	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.07	45	392692	46.137	ng	# 40
17) 2-Methylphenol	7.07	107	258346	48.299	ng	# 89
18) Hexachloroethane	7.31	117	118348	43.975	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	229968	51.490	ng	99
20) 3+4-Methylphenols	7.23	107	340028	53.719	ng	# 82
22) Acetophenone	7.22	105	451238	54.720	ng	# 93
24) Nitrobenzene	7.39	77	358725	51.002	ng	97
25) Isophorone	7.63	82	658987	52.907	ng	99
26) 2-Nitrophenol	7.71	139	176257	53.162	ng	94
27) 2,4-Dimethylphenol	7.75	122	294861	59.113	ng	100
28) bis(2-Chloroethoxy)methane	7.83	93	402275	52.107	ng	99
29) 2,4-Dichlorophenol	7.96	162	287073	54.507	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	291683	48.585	ng	99
31) Naphthalene	8.10	128	929866	52.553	ng	99
32) Benzoic acid	7.91	122	148627	42.263	ng	95
33) 4-Chloroaniline	8.16	127	189139	23.924	ng	98
34) Hexachlorobutadiene	8.22	225	161332	46.654	ng	99
35) Caprolactam	8.54	113	70690m	41.499	ng	
36) 4-Chloro-3-methylphenol	8.66	107	305627	55.781	ng	96
37) 2-Methylnaphthalene	8.80	142	627170	53.820	ng	99
38) 1-Methylnaphthalene	8.89	142	591770	53.679	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	287363	51.997	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	107010	45.861	nq	100
43) 2,4,6-Trichlorophenol	9.08	196	188624	49.586	nq	98
44) 2,4,5-Trichlorophenol	9.13	196	196008	49.847	nq	98
46) 1,1'-Biphenyl	9.26	154	783933	53.714	nq	98
47) 2-Chloronaphthalene	9.29	162	617329	50.821	nq	99
48) 2-Nitroaniline	9.39	65	206890	51.529	nq	98
49) Acenaphthylene	9.70	152	936745	52.860	nq	99
50) Dimethylphthalate	9.56	163	780279	55.435	nq	100
51) 2,6-Dinitrotoluene	9.63	165	168225	54.996	nq #	90
52) Acenaphthene	9.87	154	573858	52.784	nq	99
53) 3-Nitroaniline	9.80	138	139617	36.940	nq	99
54) 2,4-Dinitrophenol	9.93	184	143872	91.258	nq	96
55) Dibenzofuran	10.05	168	822424	52.018	nq	99
56) 4-Nitrophenol	9.99	139	188277	77.761	nq	97
57) 2,4-Dinitrotoluene	10.05	165	211706	51.983	nq	95
58) Fluorene	10.39	166	687330	56.505	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	182831	55.266	nq	99
60) Diethylphthalate	10.26	149	730607	55.596	nq	100
61) 4-Chlorophenyl-phenylether	10.37	204	344458	55.914	nq	98
62) 4-Nitroaniline	10.42	138	193658	49.580	nq	98
63) Azobenzene	10.53	77	750941	55.557	nq	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	115353	56.442	nq	88
66) n-Nitrosodiphenylamine	10.49	169	623737	53.733	nq	99
67) 4-Bromophenyl-phenylether	10.86	248	212761	51.535	nq	96
68) Hexachlorobenzene	10.94	284	233191	48.846	nq	100
69) Atrazine	11.02	200	193621	50.702	nq	99
70) Pentachlorophenol	11.14	266	187100	80.725	nq	98
71) Phenanthrene	11.35	178	1058406	53.683	nq	100
72) Anthracene	11.40	178	1097950	55.026	nq	99
73) Carbazole	11.56	167	1013650	55.995	nq	100
74) Di-n-butylphthalate	11.87	149	1207366	57.173	nq	99
75) Fluoranthene	12.54	202	1180857	57.210	nq	98
77) Benzidine	12.66	184	65575	5.803	nq	98
78) Pyrene	12.77	202	1216997	48.264	nq	100
80) Butylbenzylphthalate	13.37	149	563291	52.811	nq	95
81) Benzo(a)anthracene	13.96	228	1109460	51.892	nq	100
82) 3,3'-Dichlorobenzidine	13.91	252	368315	49.586	nq	99
83) Chrysene	13.99	228	1101149	53.050	nq	100
84) Bis(2-ethylhexyl)phthalate	13.93	149	788587	56.894	nq #	98
85) Di-n-octyl phthalate	14.53	149	1356974	61.637	nq	99
86) Dibenzo(1,2,3-cd)pyrene	16.89	276	1099176	63.050	nq	99
88) Benzo(b)fluoranthene	15.00	252	1141128	52.181	nq	98
89) Benzo(k)fluoranthene	15.03	252	1027209m	48.225	nq	
90) Benzo(a)pyrene	15.36	252	1048833	53.652	nq	99
91) Dibenzo(a,h)anthracene	16.89	278	926707	54.765	nq	99
92) Benzo(g,h,i)perylene	17.32	276	906788	54.565	nq	96

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

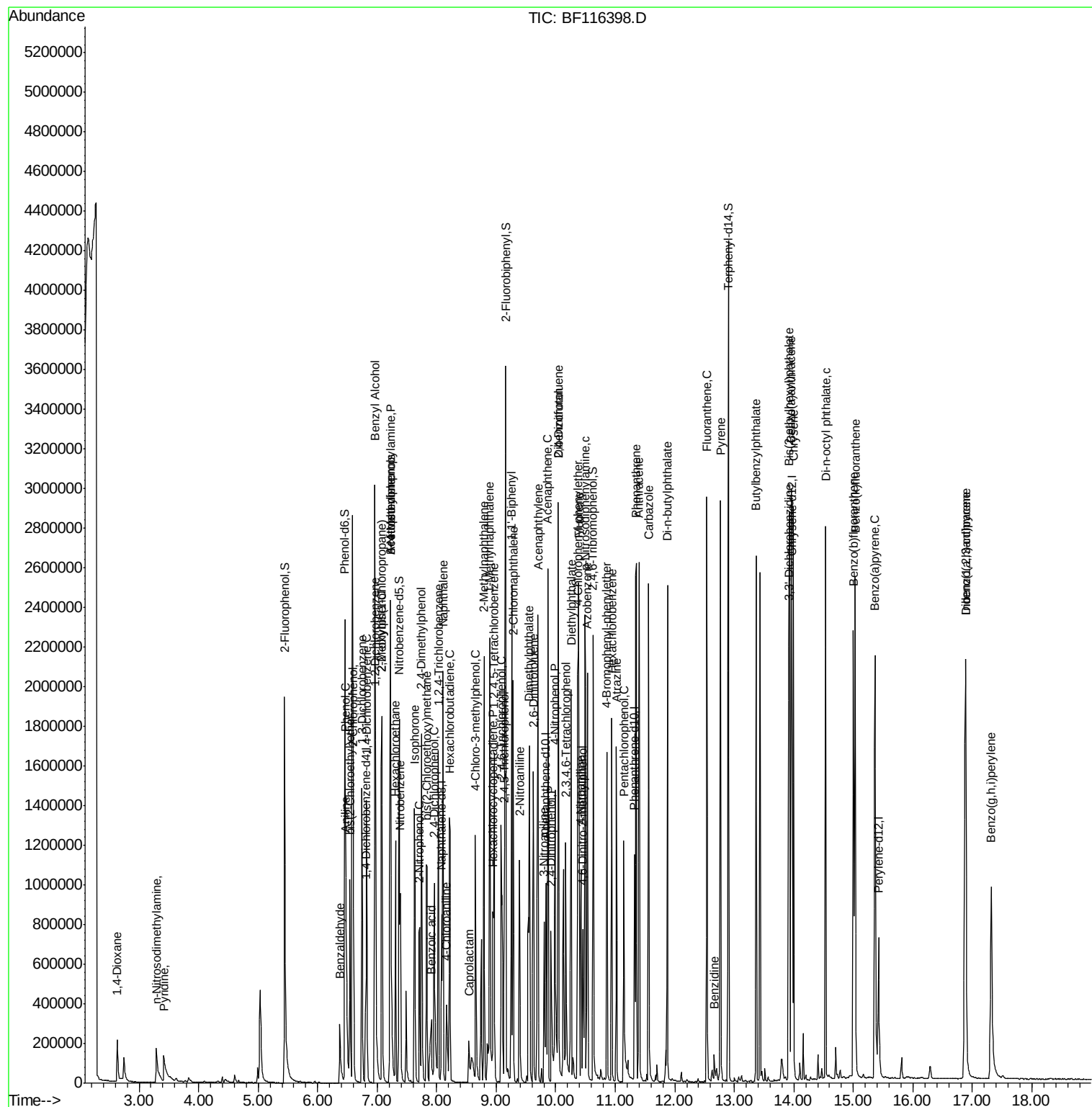
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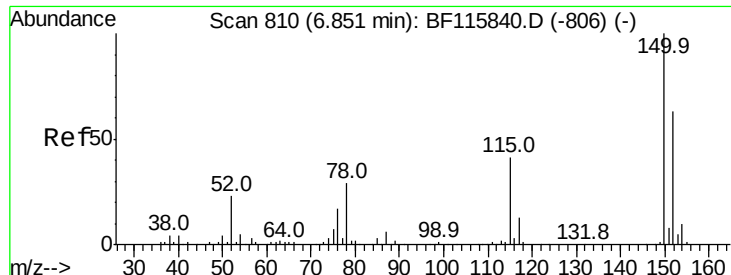
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#1

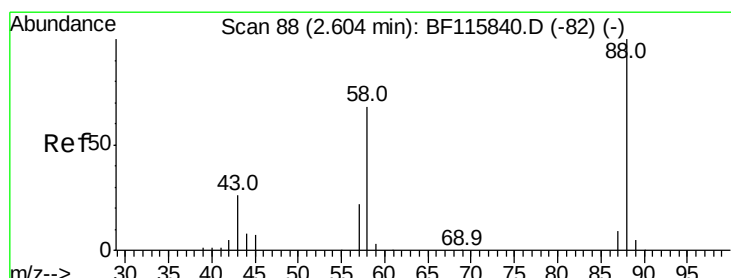
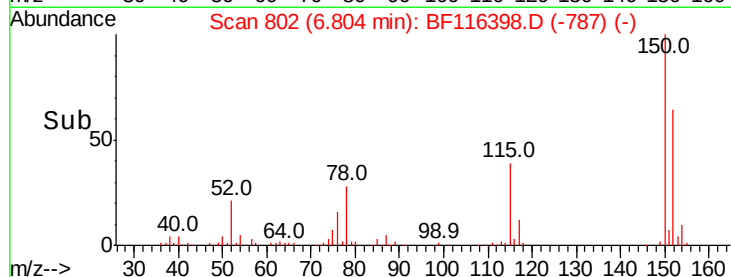
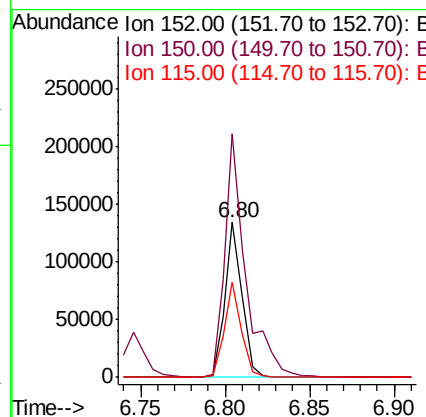
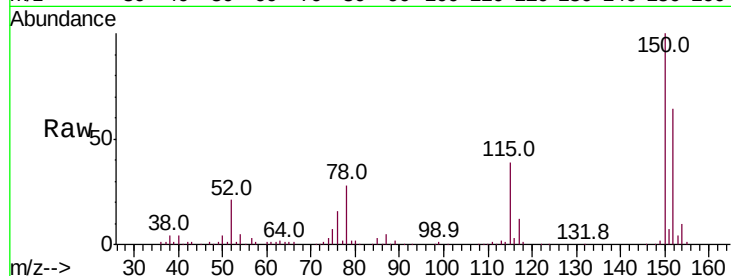
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	61.3	49.9	74.9

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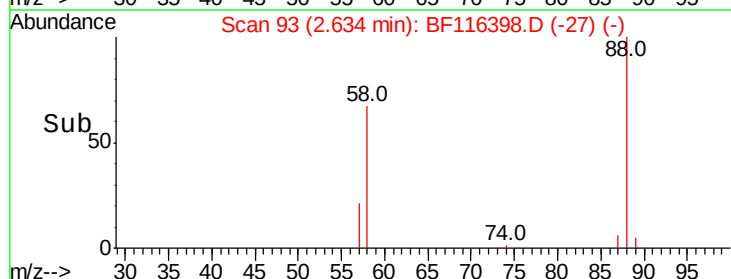
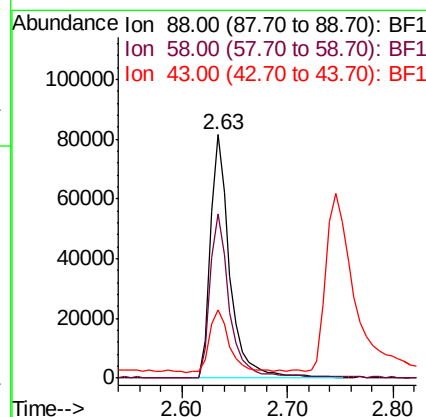
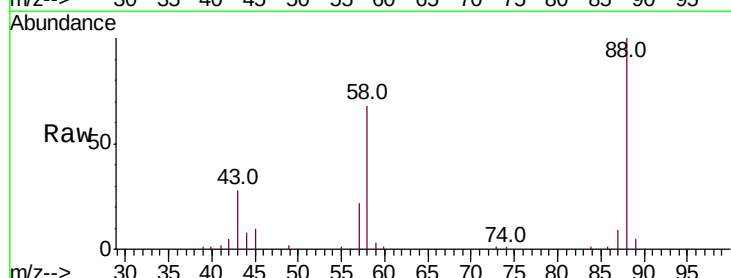
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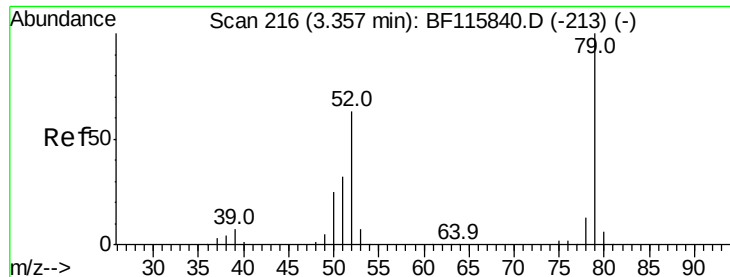


#2

1,4-Dioxane
Concen: 36.254 ng
RT: 2.63 min Scan# 93
Delta R.T. 0.09 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	53.7	80.5
43	0.0	21.0	31.4





#3

Pvridine

Concen: 23.600 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.11 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

SS-18_081519MSD

Tot Ion: 79 Resp: 190258

Ion Ratio Lower Upper

79 100

52 62.2 49.8 74.8

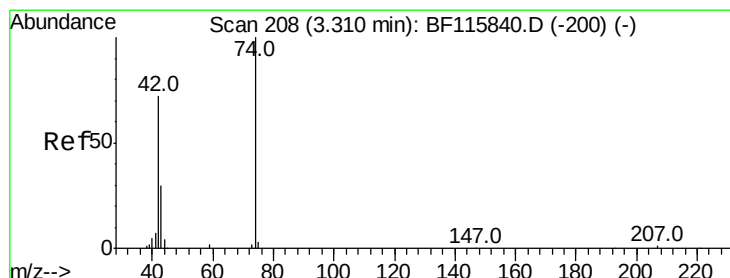
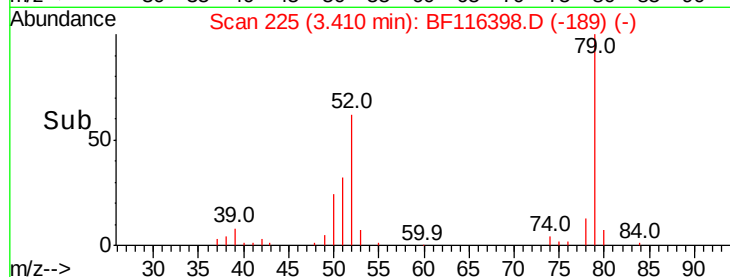
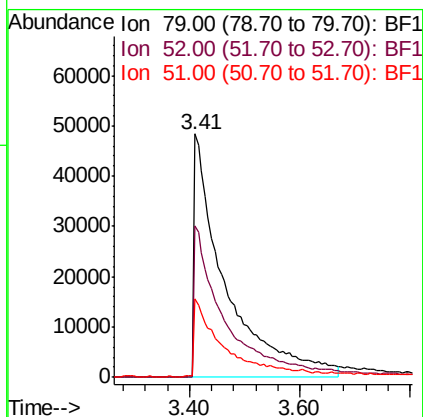
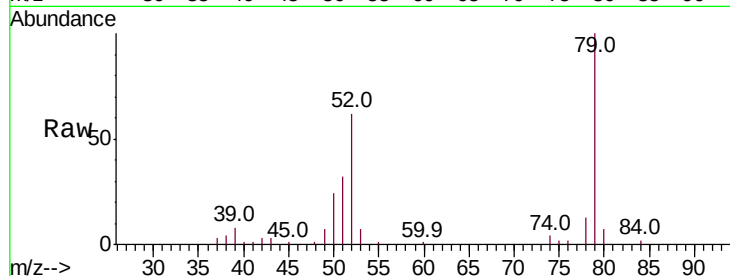
51 32.1 25.2 37.8

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 38.966 ng

RT: 3.29 min Scan# 205

Delta R.T. 0.04 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

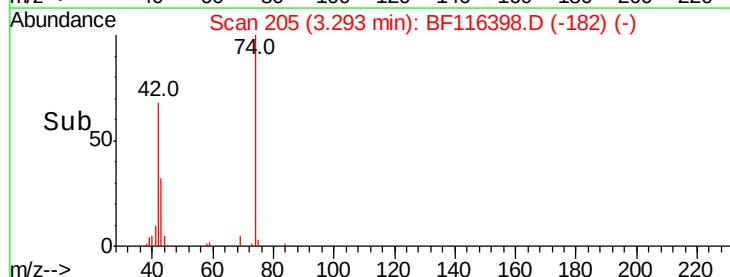
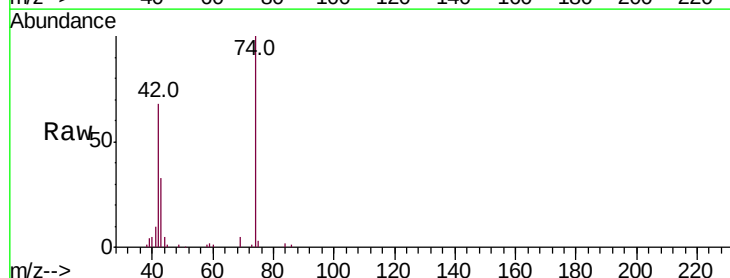
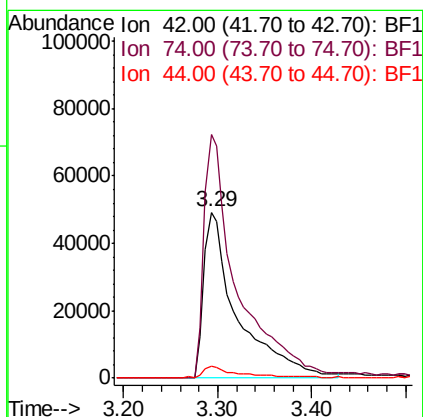
Tgt Ion: 42 Resp: 123968

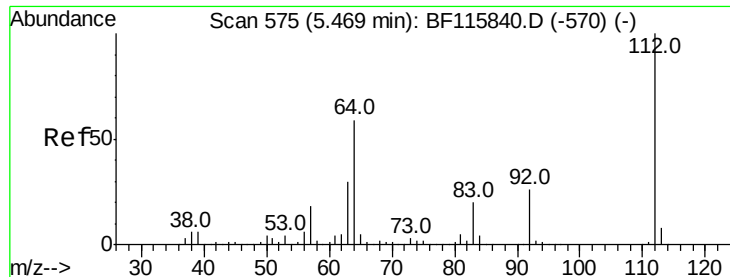
Ion Ratio Lower Upper

42 100

74 146.8 116.0 174.0

44 7.1 4.6 7.0#





#5

2-Fluorophenol

Concen: 136.855 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

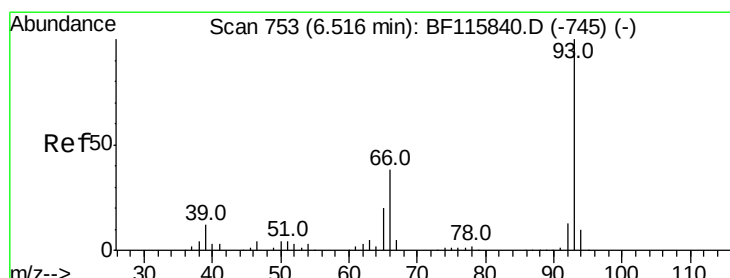
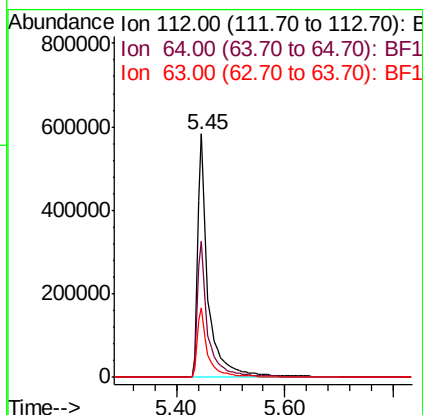
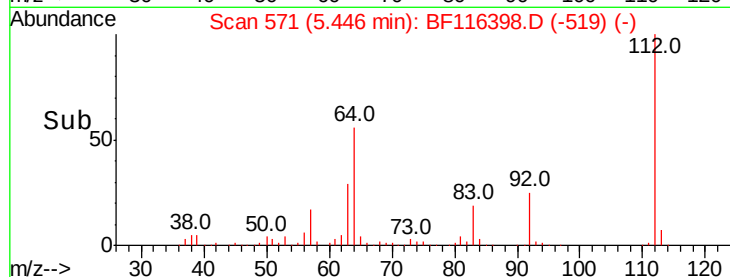
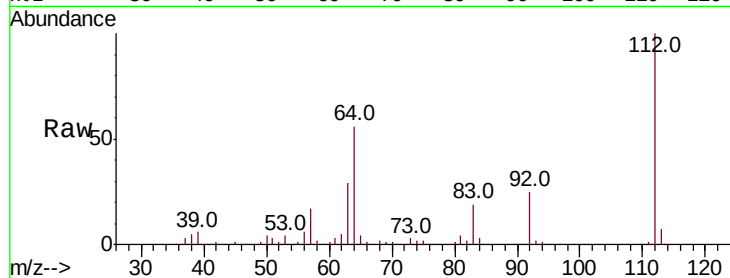
ClientSampleId :

SS-18_081519MSD

Tot Ion:	112	Resp:	781795
Ion Ratio	Lower	Upper	
112	100		
64	56.0	45.4	68.2
63	28.5	23.7	35.5

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#6

Aniline

Concen: 23.182 ng

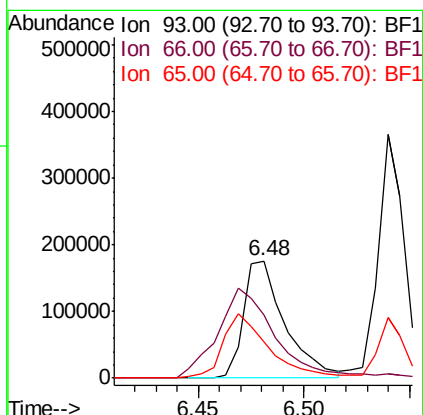
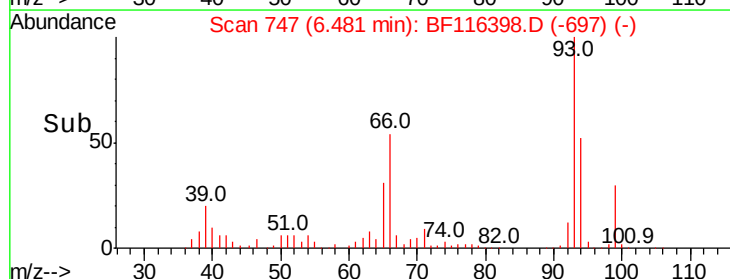
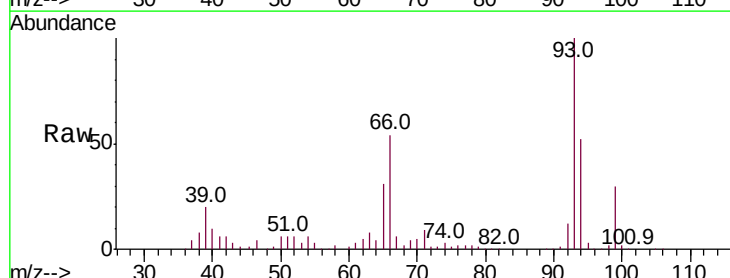
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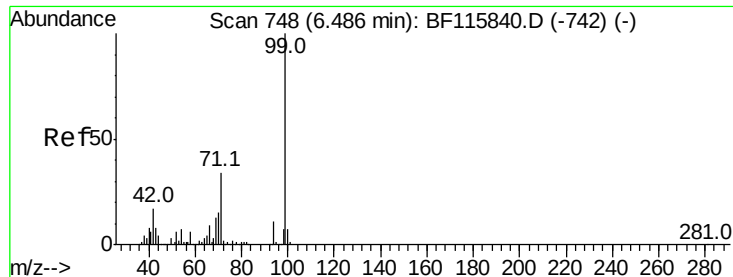
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	93	Resp:	239278
Ion Ratio	Lower	Upper	
93	100		
66	54.1	32.2	48.4#
65	31.3	17.0	25.6#





#7

Phenol-d6

Concen: 127.959 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

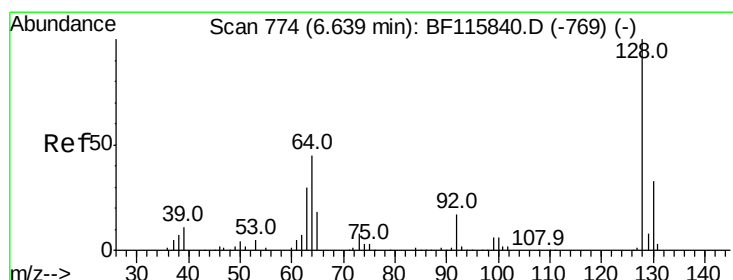
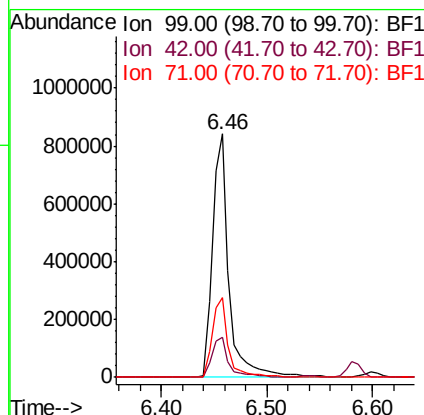
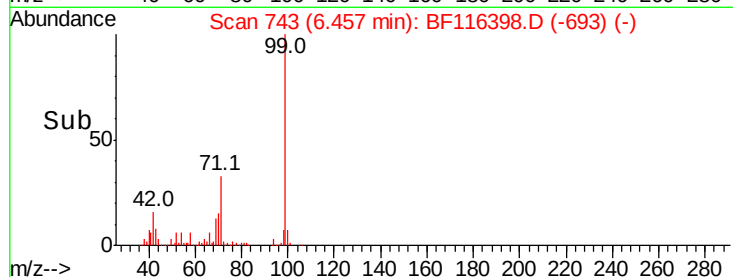
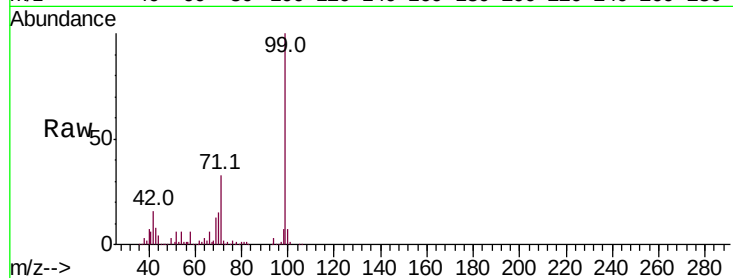
ClientSampleId :

SS-18_081519MSD

Tot Ion:	99	Resp:	922256
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.8	20.8
71	32.9	27.3	40.9

Manual Integrations
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#8

2-Chlorophenol

Concen: 49.597 ng

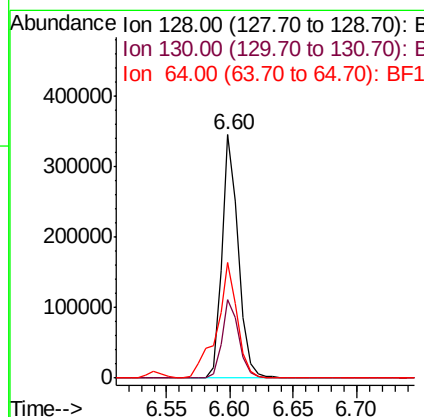
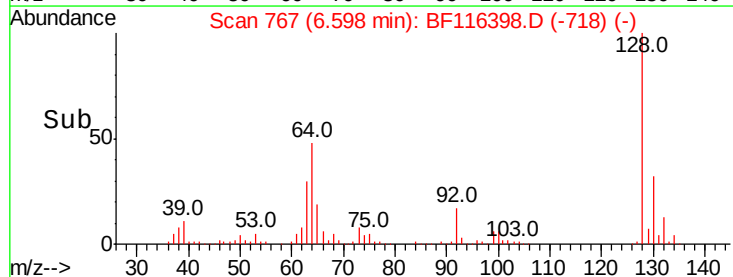
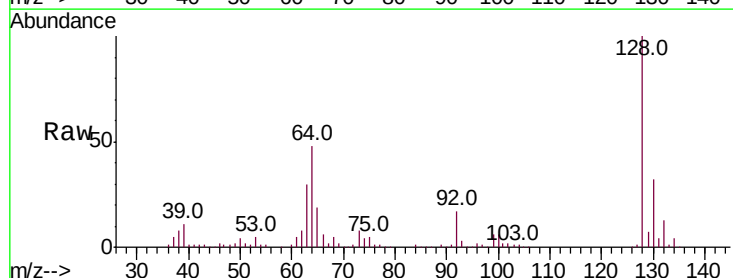
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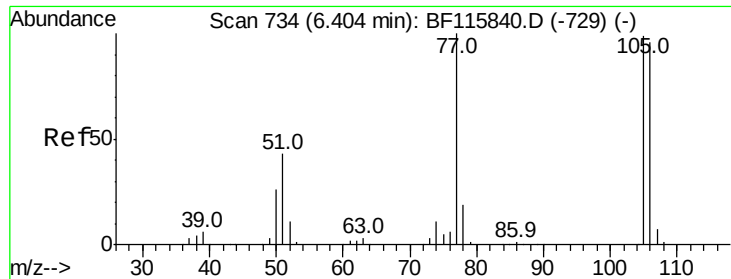
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	128	Resp:	313303
Ion Ratio	Lower	Upper	
128	100		
130	32.2	12.9	52.9
64	47.6	24.3	64.3





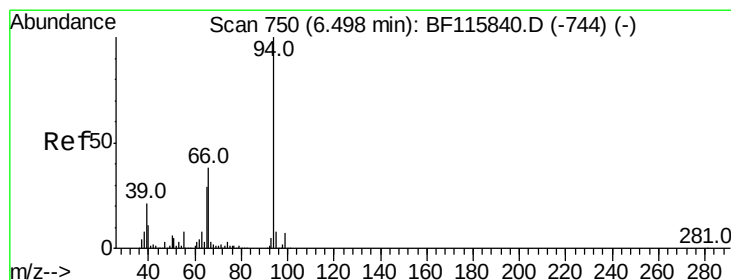
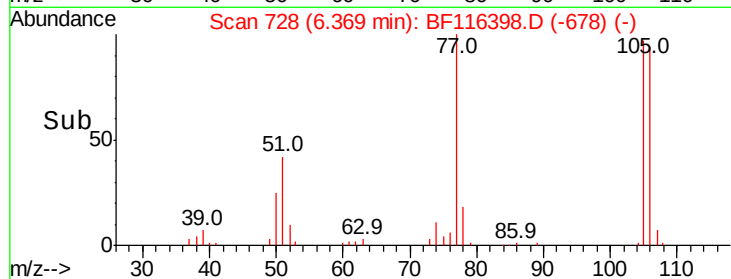
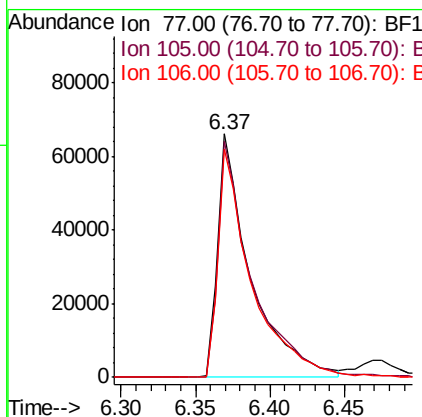
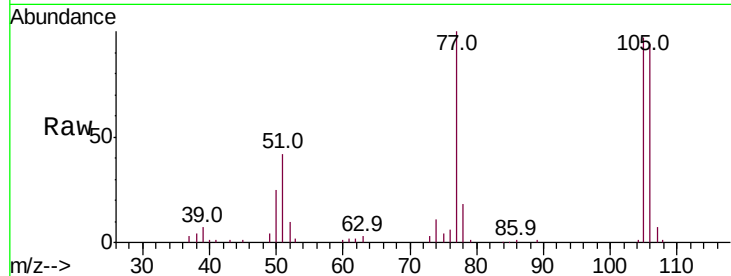
#9
Benzaldehyde
Concen: 20.501 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF116398.D
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Instrument :
BNA_F
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SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.0	79.2	119.2
106	93.8	74.3	114.3

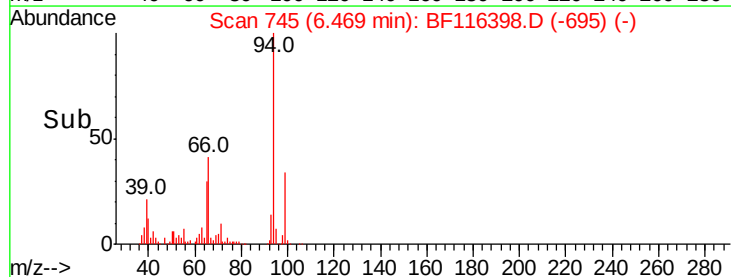
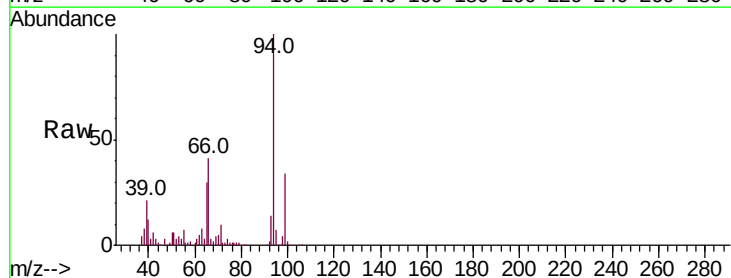
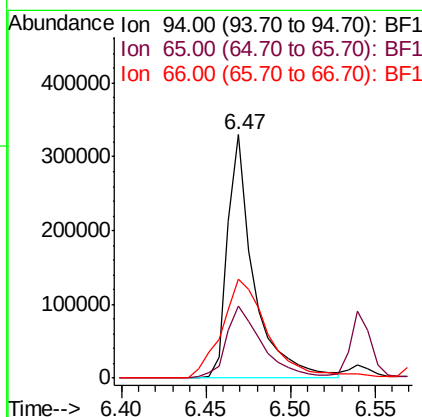
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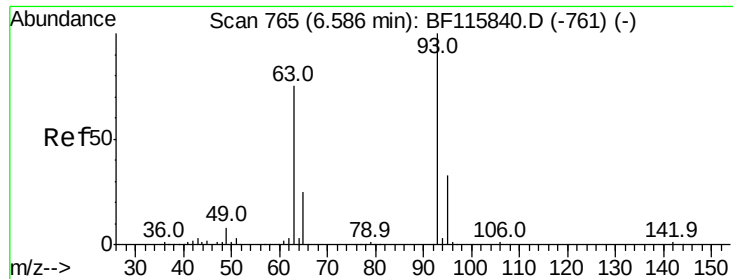
mohammad
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#10
Phenol
Concen: 41.966 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.5	16.8	56.8
66	40.8	34.2	74.2





#11

bis(2-Chloroethyl)ether

Concen: 51.127 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

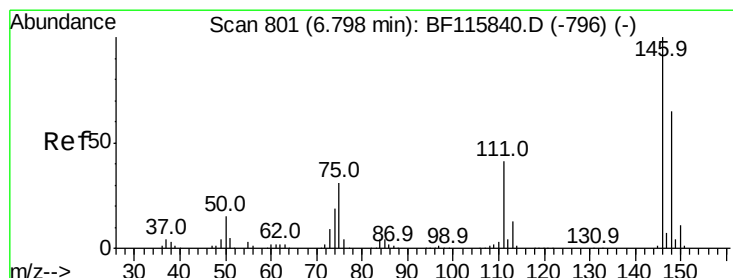
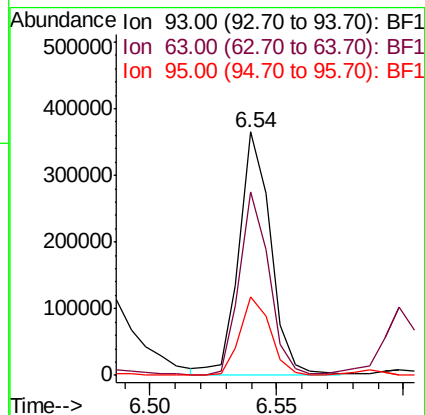
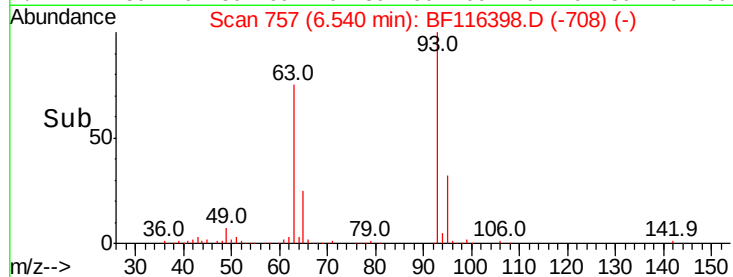
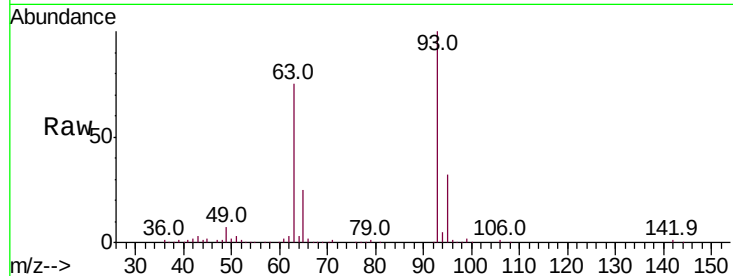
ClientSampleId :

SS-18_081519MSD

Tot Ion:	93	Resp:	319037
Ion Ratio	Lower	Upper	
93	100		
63	75.3	51.9	91.9
95	32.0	13.0	53.0

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 44.138 ng

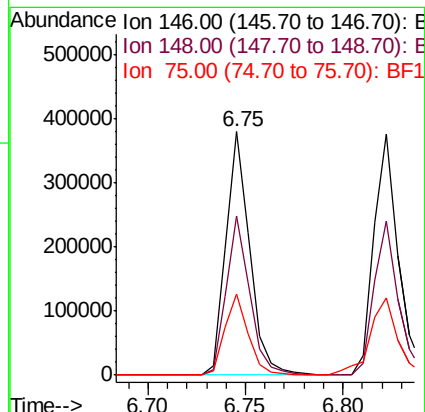
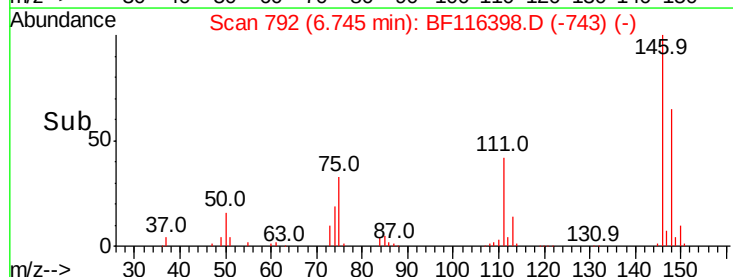
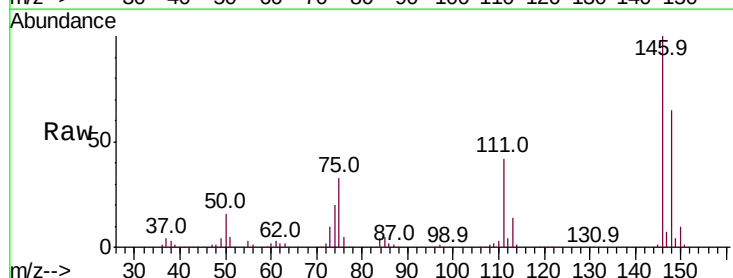
RT: 6.75 min Scan# 792

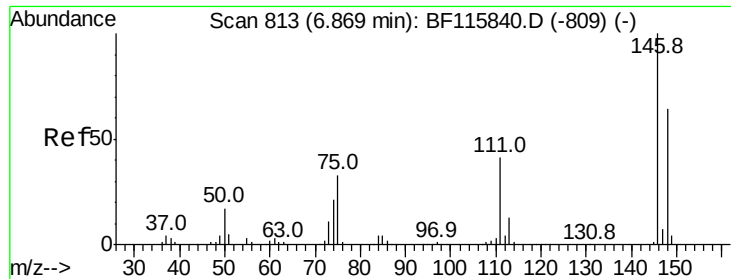
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	146	Resp:	322231
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.3	76.9
75	33.3	27.4	41.2





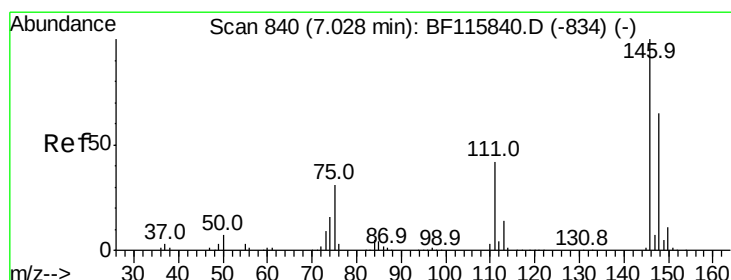
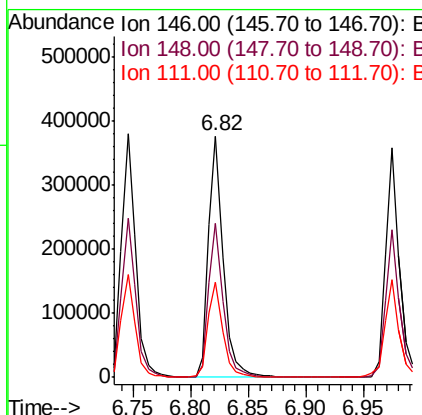
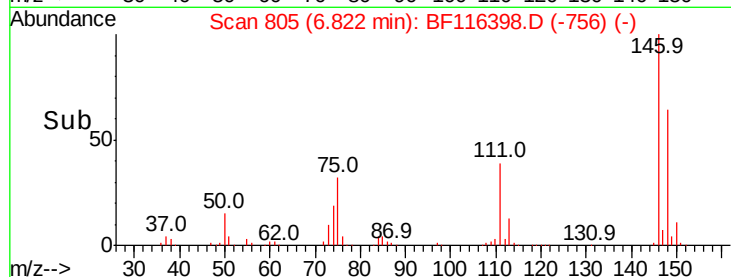
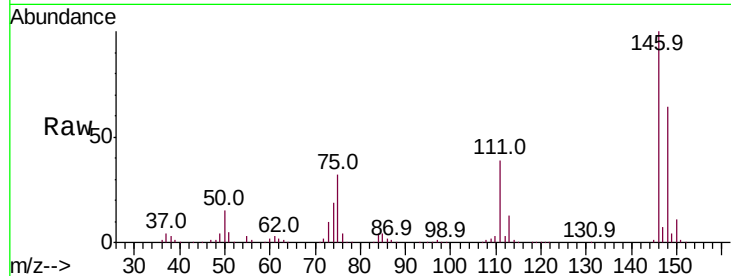
#13
 1,4-Dichlorobenzene
 Concen: 46.064 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	39.3	34.0	51.0

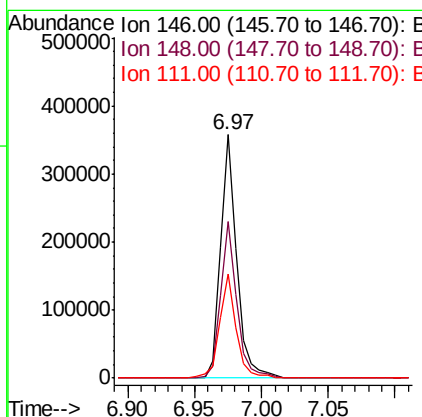
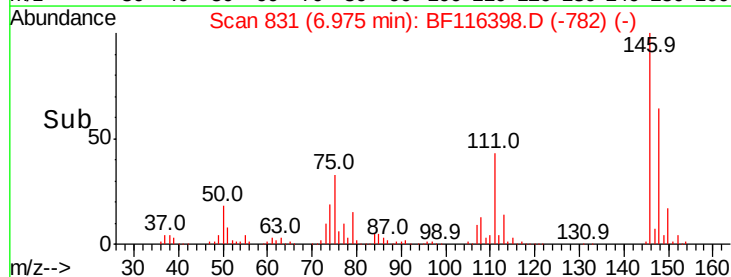
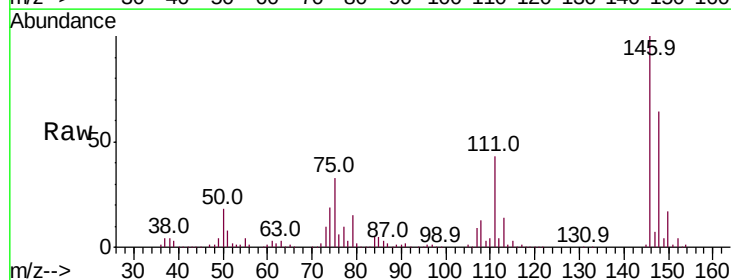
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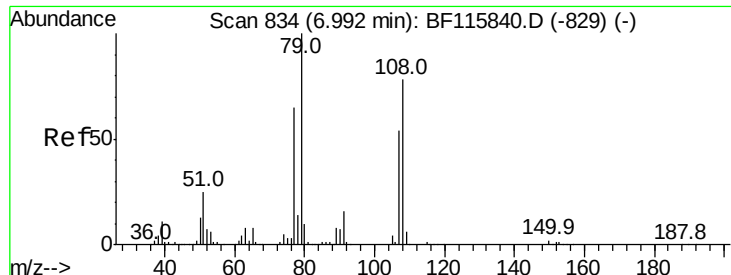
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#14
 1,2-Dichlorobenzene
 Concen: 45.788 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	42.8	33.5	50.3





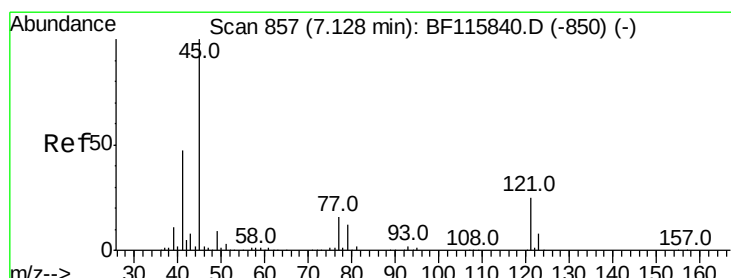
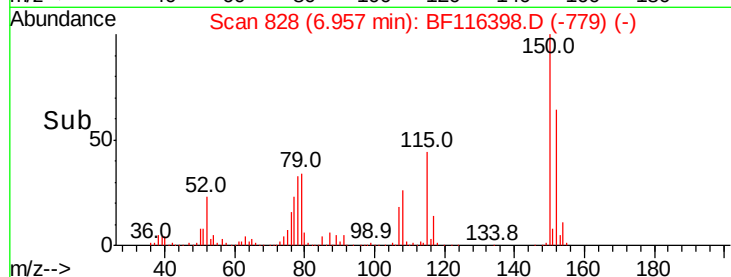
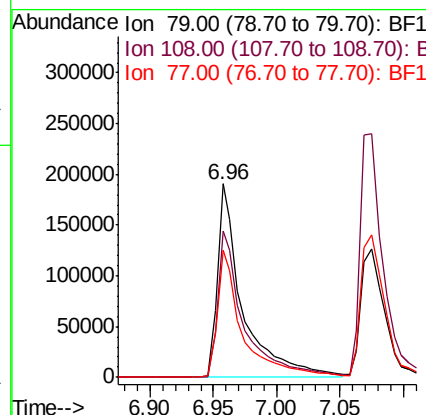
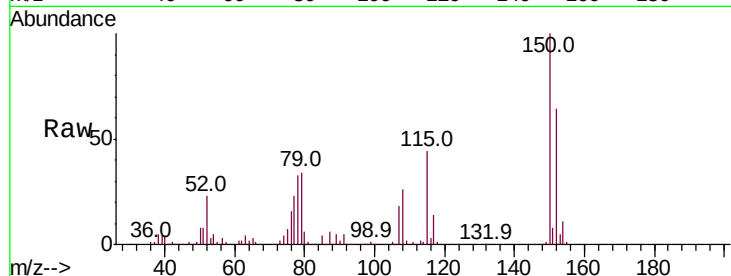
#15
Benzyl Alcohol
Concen: 48.771 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.7	62.7	94.1
77	65.8	52.2	78.2

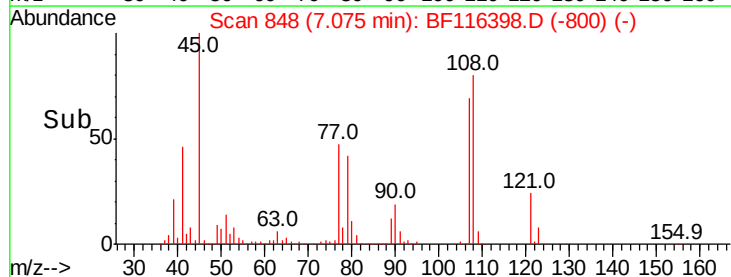
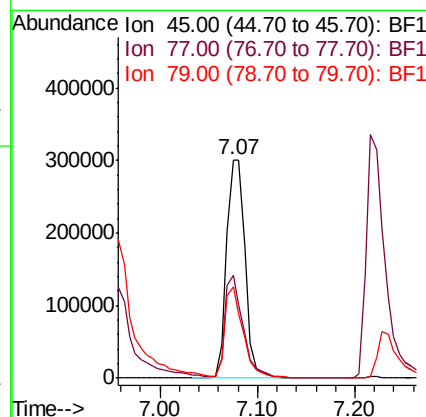
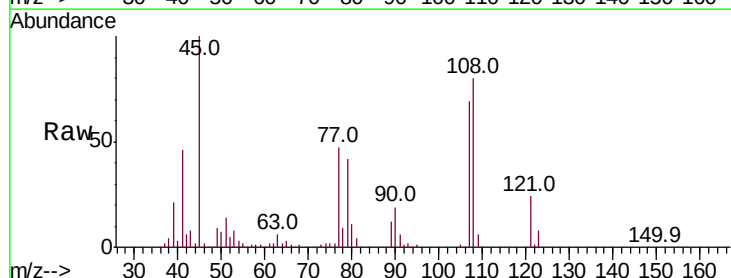
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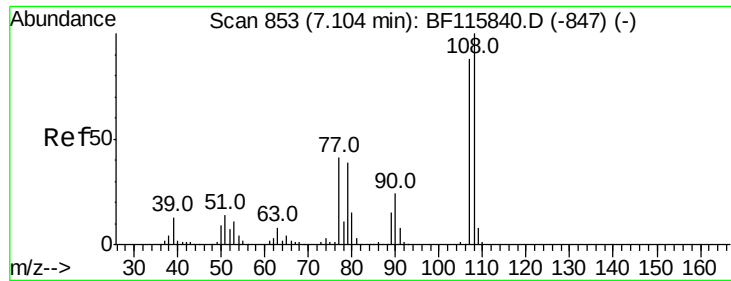
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#16
2,2'-oxybis(1-chloropropane)
Concen: 46.137 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
45	100		
77	46.9	0.0	40.0#
79	42.1	0.0	35.9#





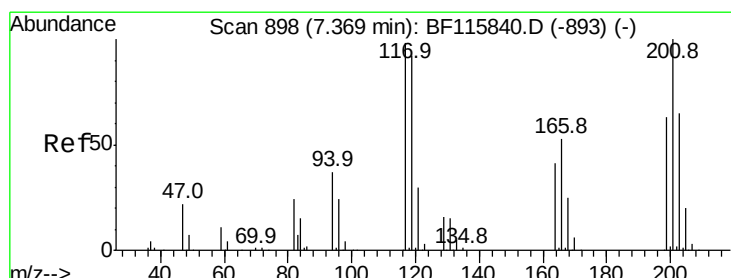
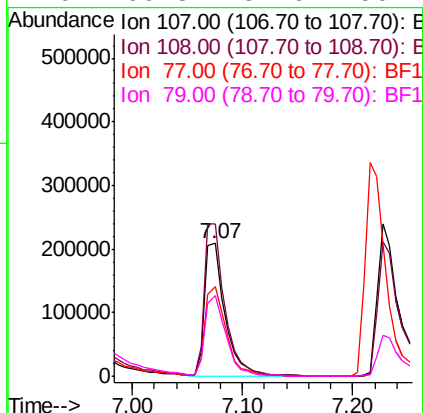
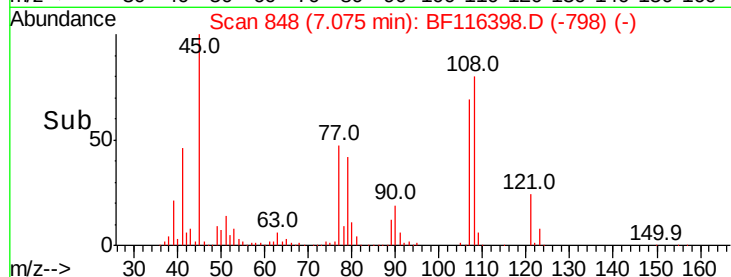
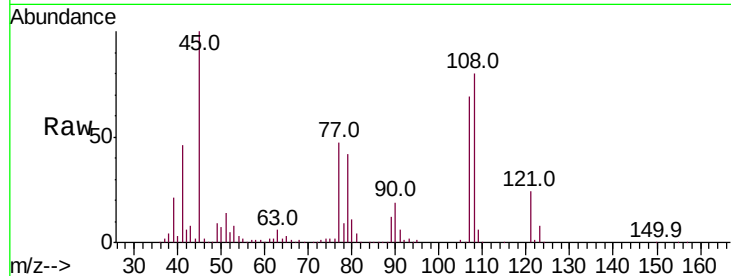
#17
2-Methylphenol
Concen: 48.299 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.1	91.2	136.8	
77	67.7	40.3	60.5	
79	60.8	37.6	56.4	

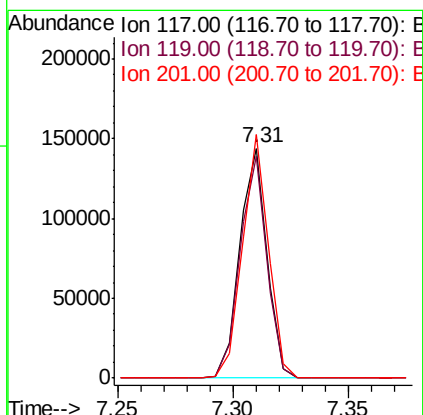
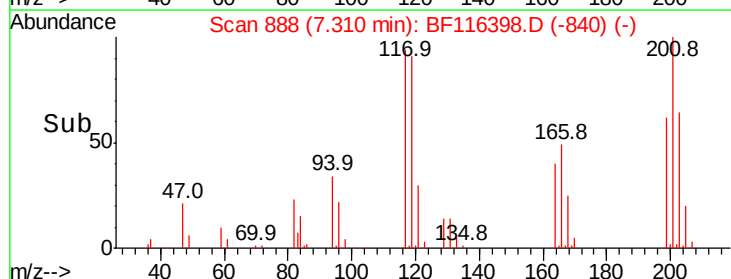
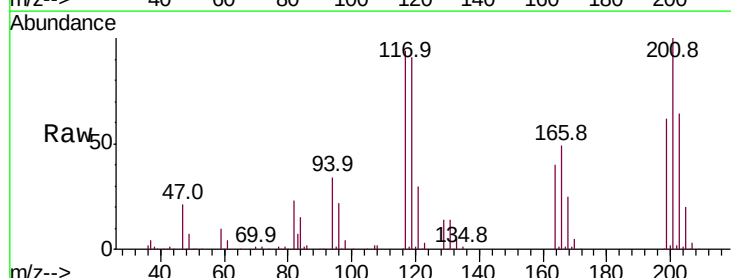
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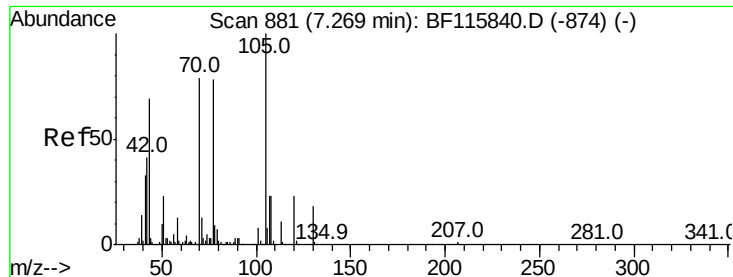
mohammad
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#18
Hexachloroethane
Concen: 43.975 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.4	76.1	114.1	
201	106.0	77.0	115.4	





#19

n-Nitroso-di-n-propylamine

Concen: 51.490 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

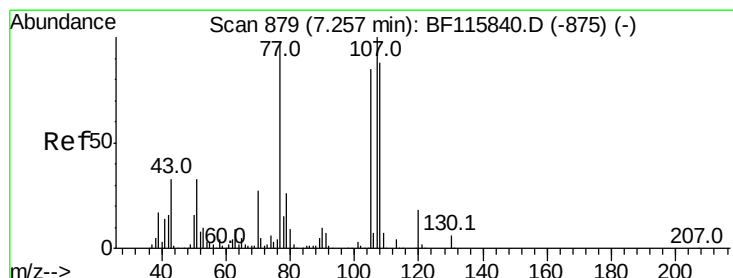
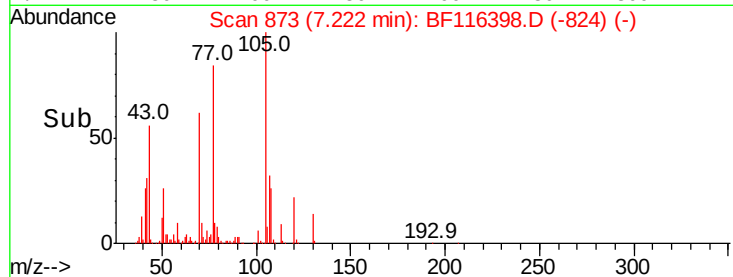
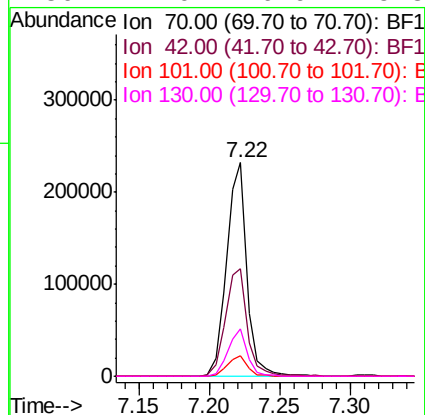
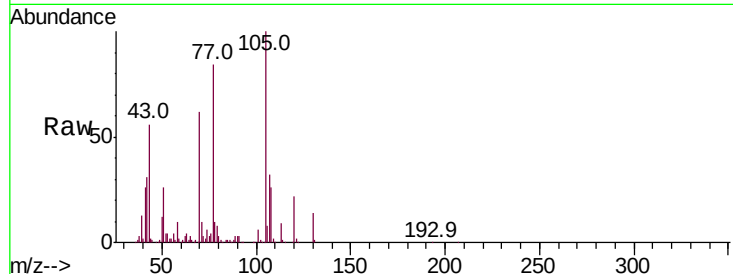
ClientSampleId :

SS-18_081519MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		229968		
42	50.4	40.9	61.3		
101	9.7	7.9	11.9		
130	22.0	16.9	25.3		

Manual Integrations
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#20

3+4-Methylphenols

Concen: 53.719 ng

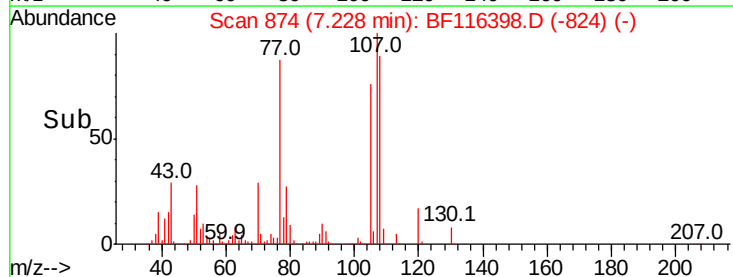
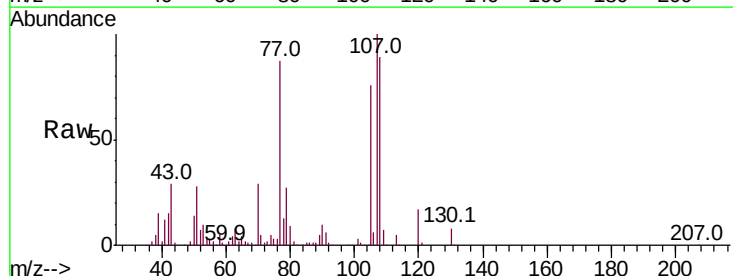
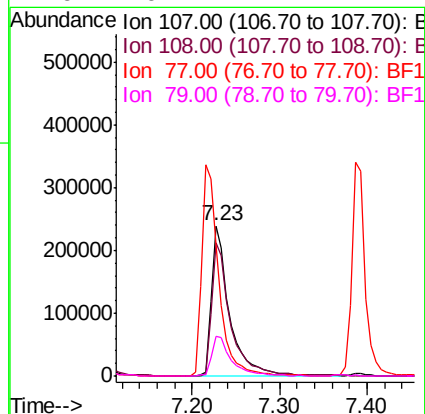
RT: 7.23 min Scan# 874

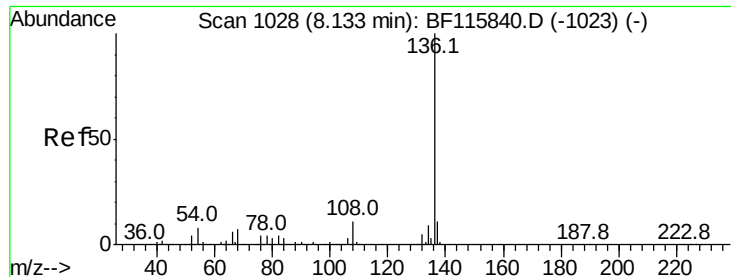
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		340028		
108	88.5	67.6	107.6		
77	86.9	104.4	144.4#		
79	26.7	7.4	47.4		





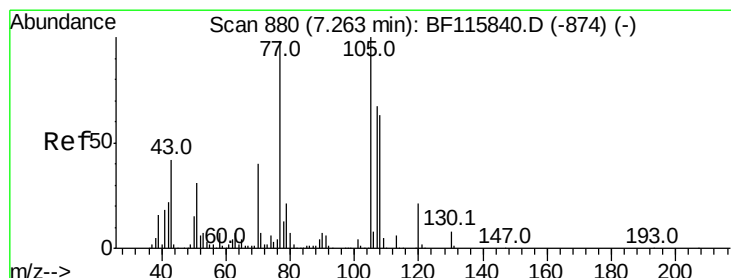
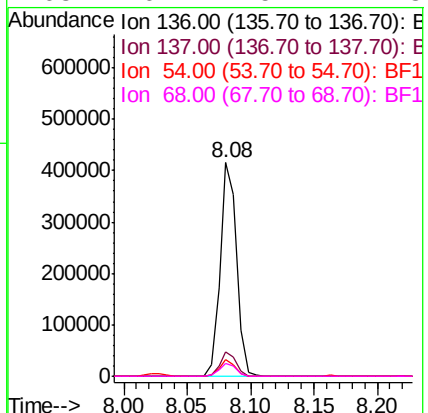
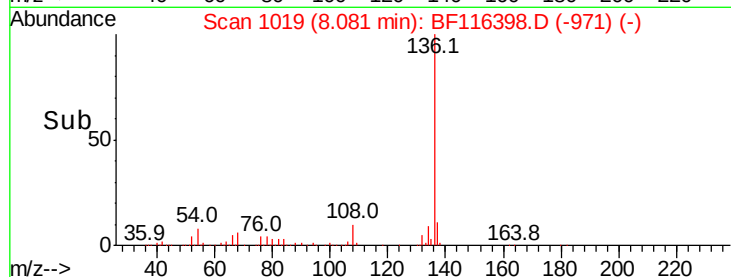
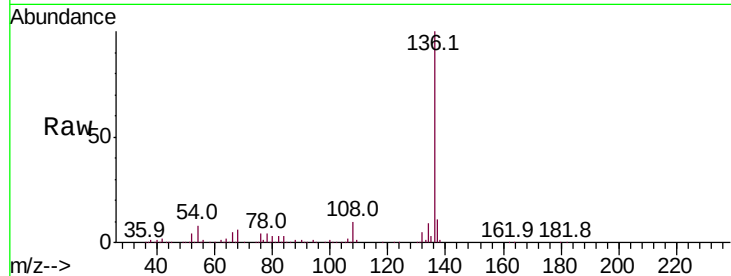
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.4	
54	7.6	5.8	8.6	
68	6.2	5.2	7.8	

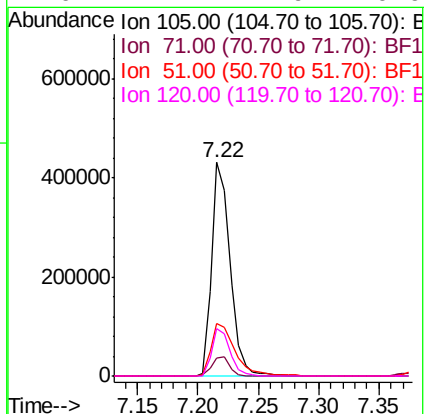
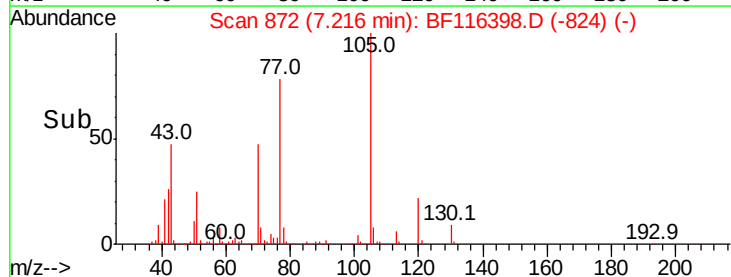
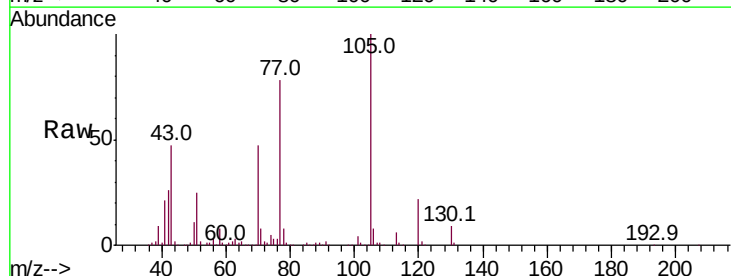
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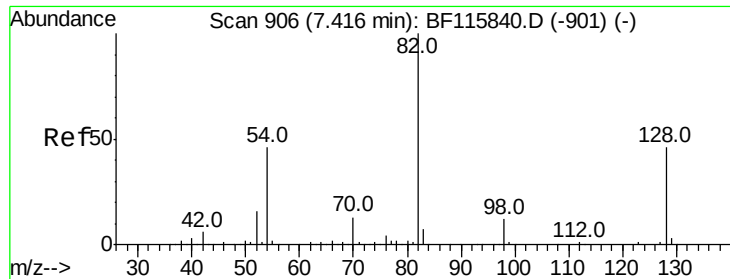
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#22
Acetophenone
Concen: 54.720 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.1	5.9	8.9	
51	24.7	25.3	37.9	
120	22.2	17.9	26.9	





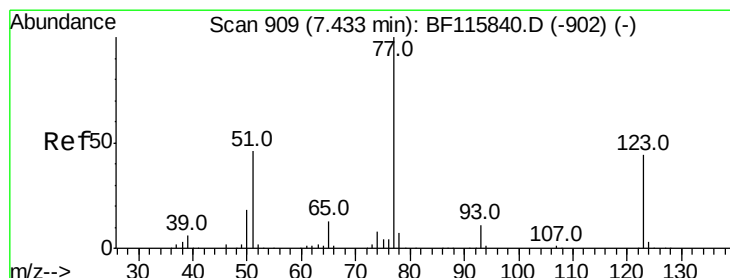
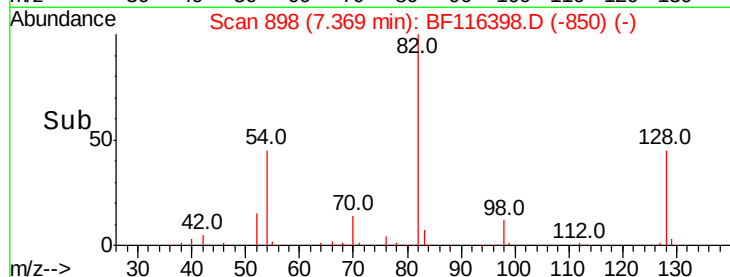
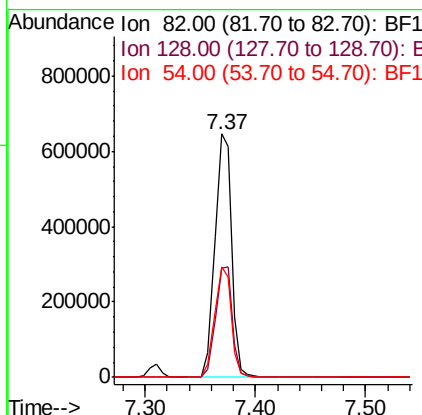
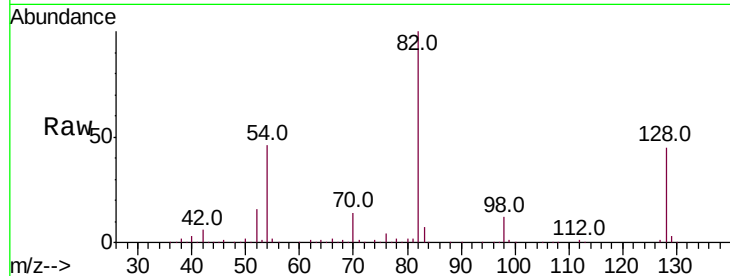
#23
 Nitrobenzene-d5
 Concen: 103.545 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.5	54.7
54	45.5	36.0	54.0

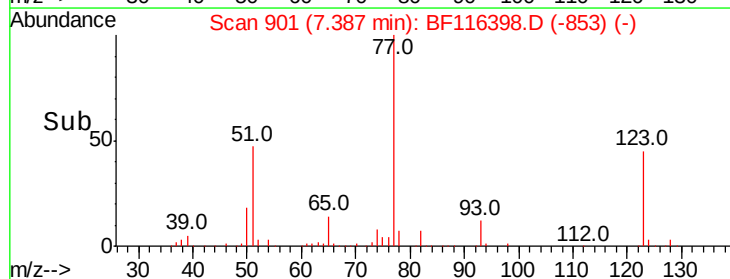
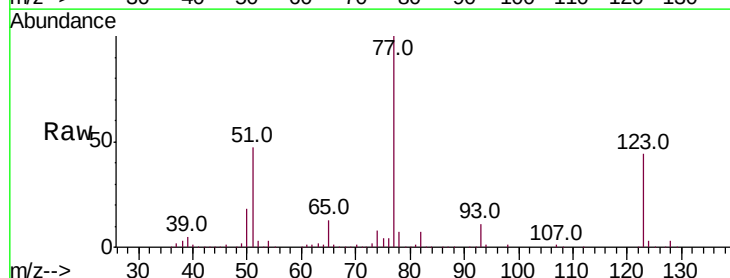
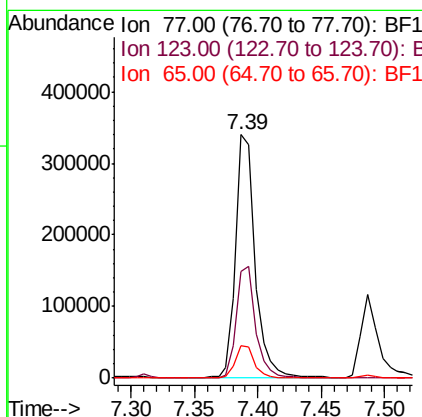
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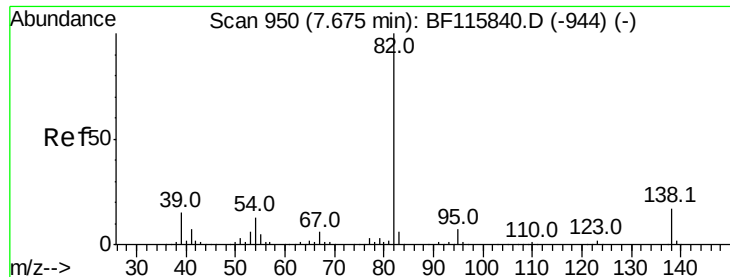
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#24
 Nitrobenzene
 Concen: 51.002 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.7	36.7	55.1
65	13.4	10.6	16.0





#25

Isophorone

Concen: 52.907 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

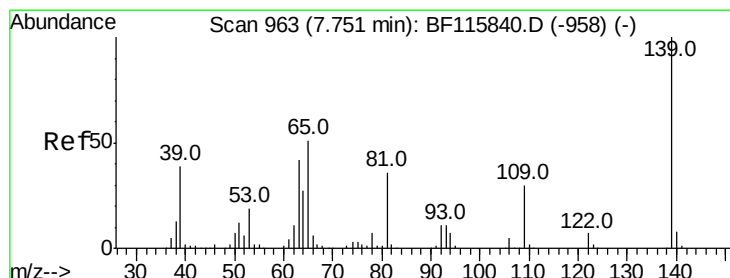
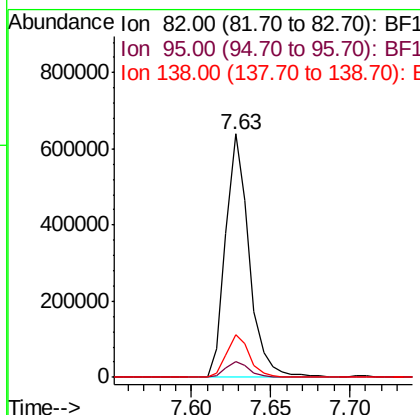
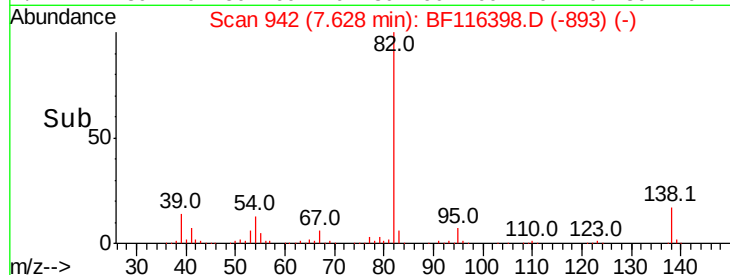
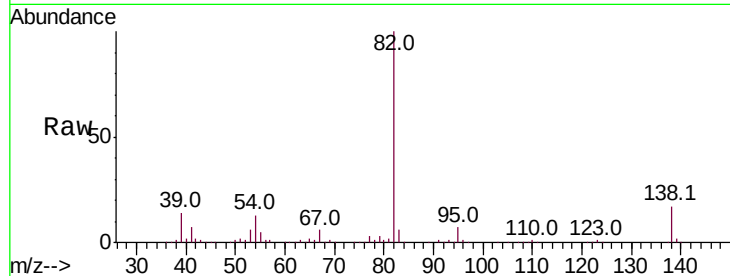
ClientSampleId :

SS-18_081519MSD

Tot Ion:	82	Resp:	658987
Ion Ratio		Lower	Upper
82	100		
95	6.5	5.4	8.0
138	17.3	14.5	21.7

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#26

2-Nitrophenol

Concen: 53.162 ng

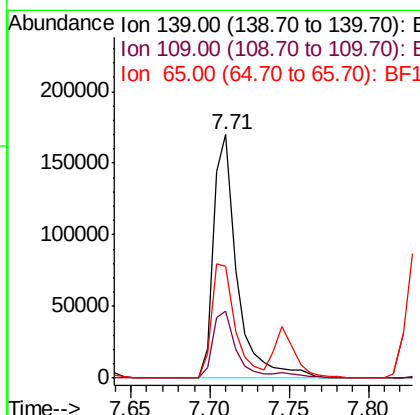
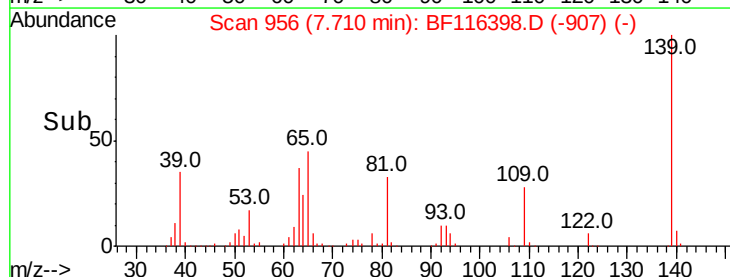
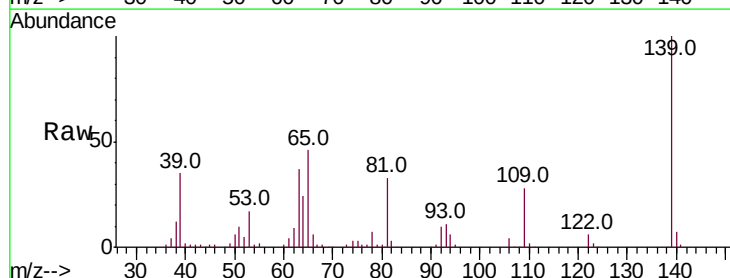
RT: 7.71 min Scan# 956

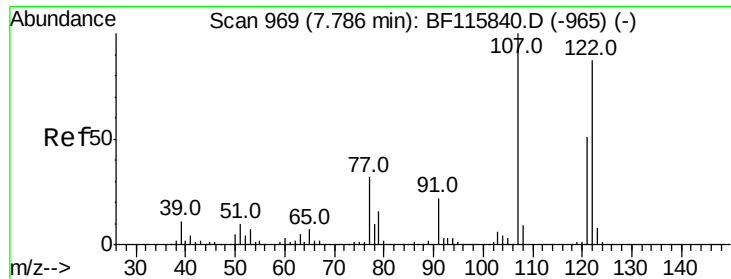
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	139	Resp:	176257
Ion Ratio		Lower	Upper
139	100		
109	27.6	23.4	35.2
65	45.9	41.1	61.7





#27

2,4-Dimethylphenol

Concen: 59.113 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

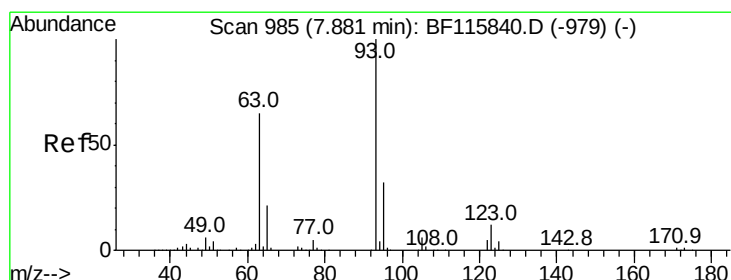
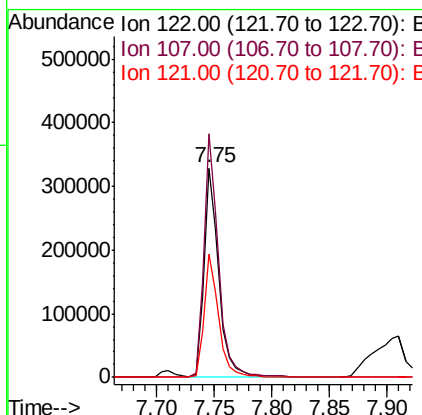
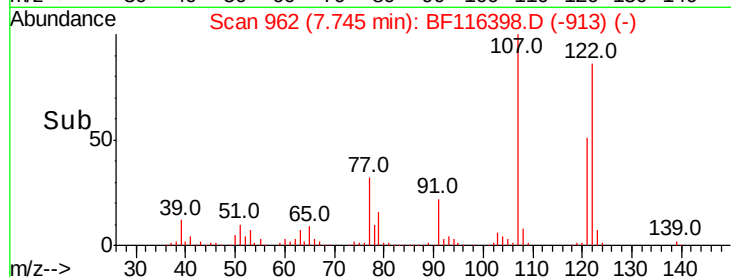
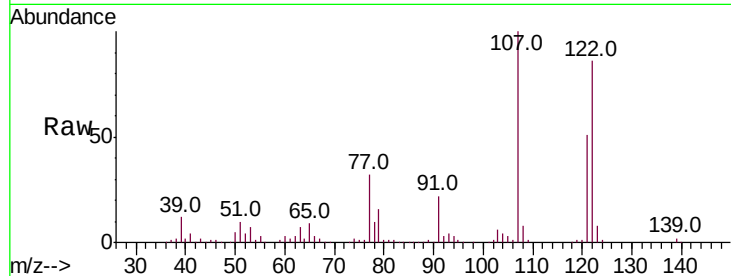
ClientSampleId :

SS-18_081519MSD

Tot Ion:	122	Resp:	294861
Ion Ratio	Lower	Upper	
122	100		
107	116.4	93.0	139.6
121	59.1	47.6	71.4

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#28

bis(2-Chloroethoxy)methane

Concen: 52.107 ng

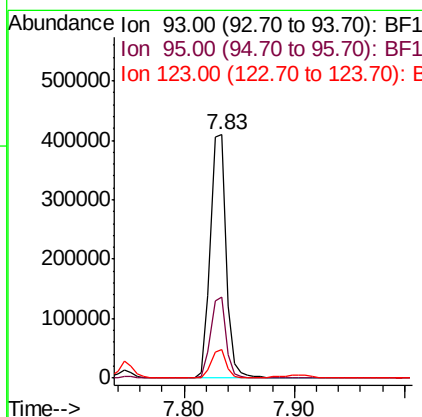
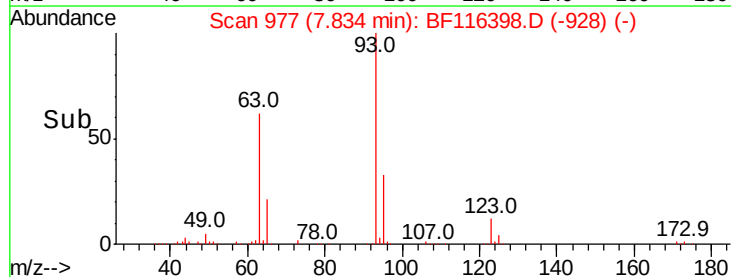
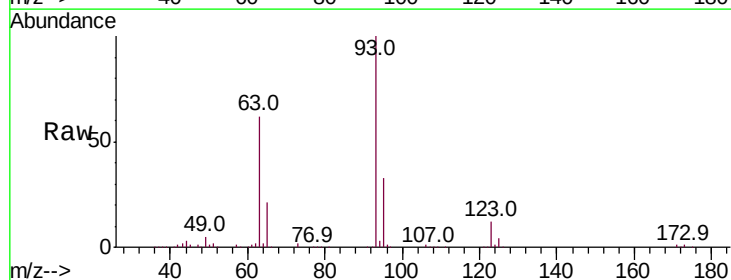
RT: 7.83 min Scan# 977

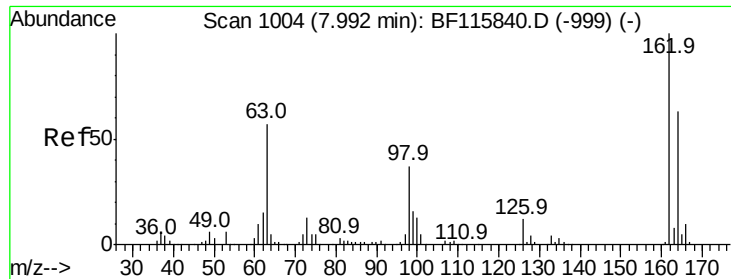
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	93	Resp:	402275
Ion Ratio	Lower	Upper	
93	100		
95	33.4	26.2	39.4
123	11.8	9.2	13.8





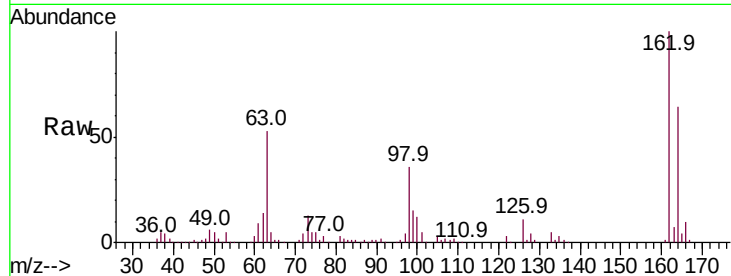
#29
 2,4-Dichlorophenol
 Concen: 54.507 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.5	45.1	85.1
98	36.2	15.8	55.8

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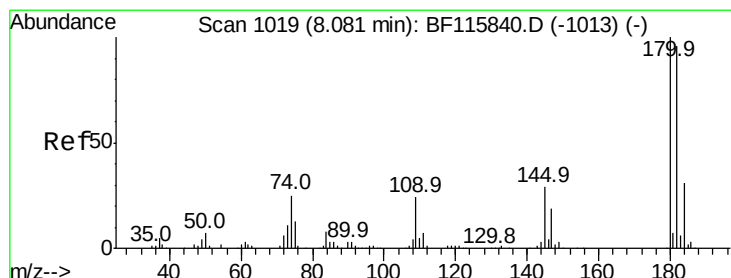
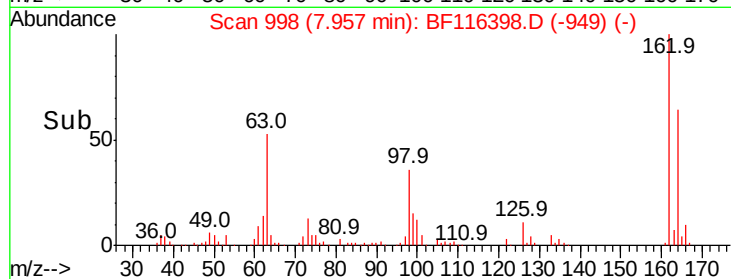
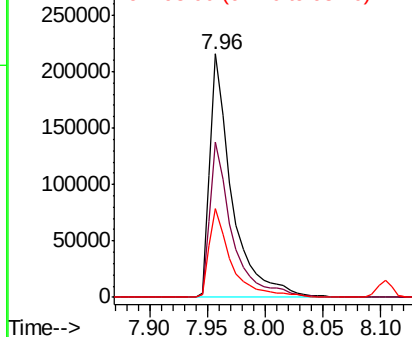


Abundance

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: 48.585 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

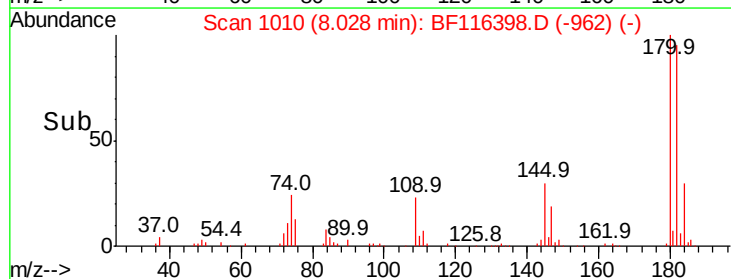
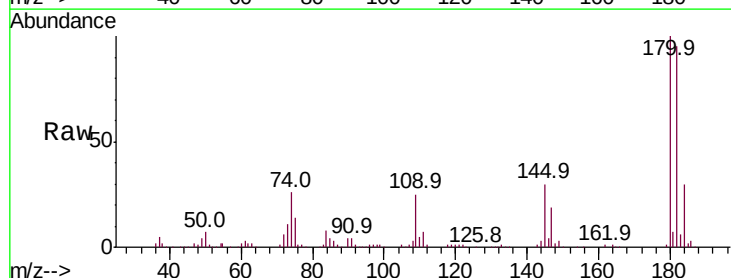
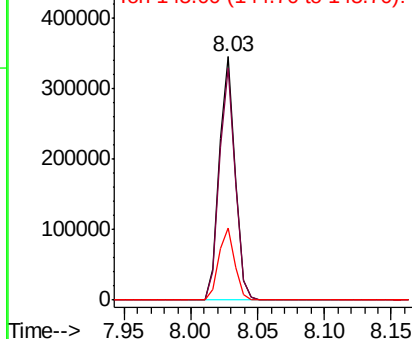
Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.1	75.7	113.5
145	29.7	24.3	36.5

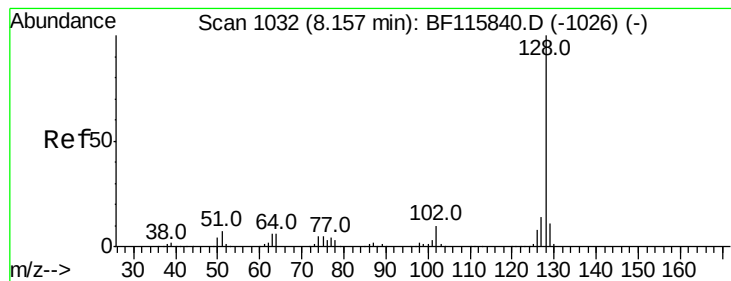
Abundance

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: 52.553 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

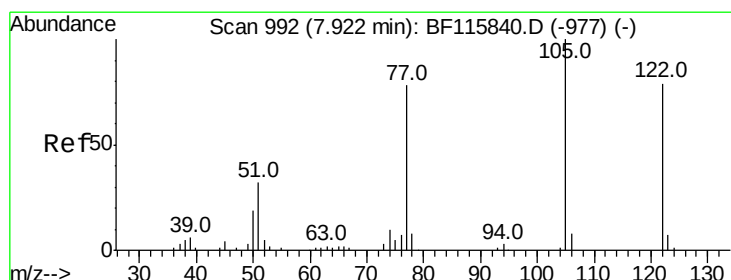
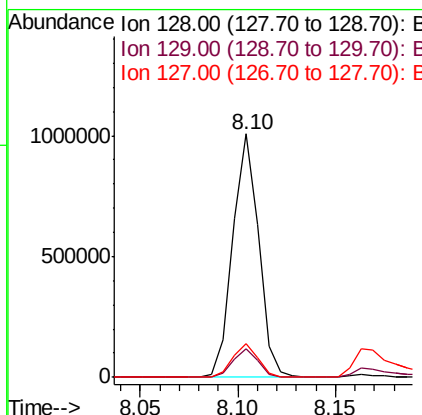
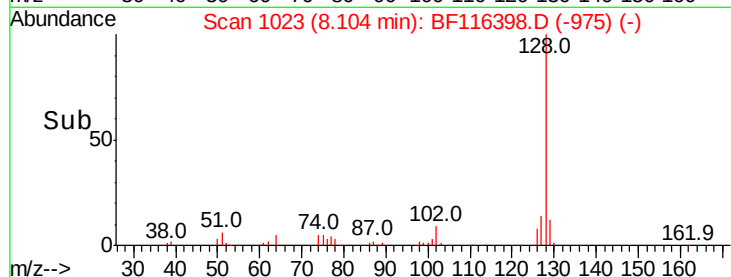
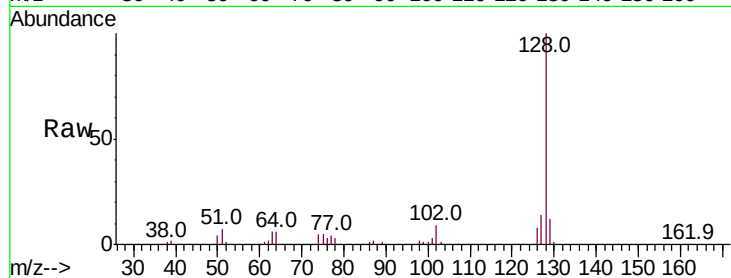
ClientSampleId :

SS-18_081519MSD

Tot Ion:	128	Resp:	929866
Ion Ratio	Lower	Upper	
128	100		
129	11.7	9.3	13.9
127	13.8	11.4	17.0

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#32

Benzoic acid

Concen: 42.263 ng

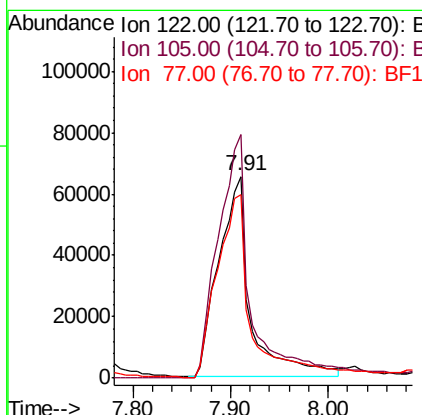
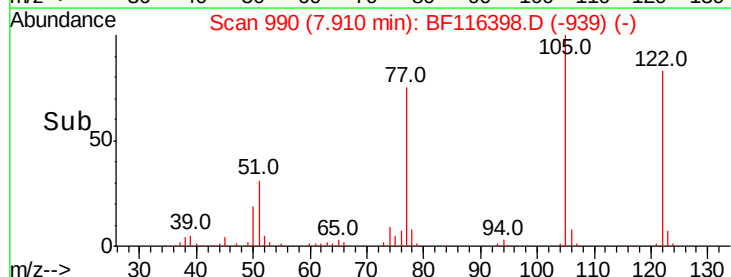
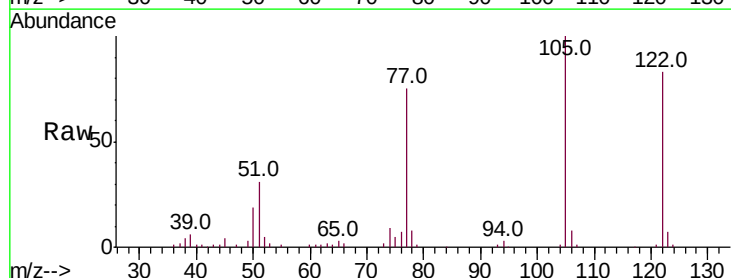
RT: 7.91 min Scan# 990

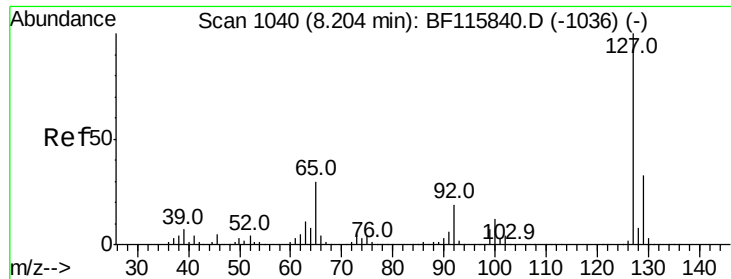
Delta R.T. 0.00 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	122	Resp:	148627
Ion Ratio	Lower	Upper	
122	100		
105	120.6	106.1	146.1
77	90.9	76.7	116.7





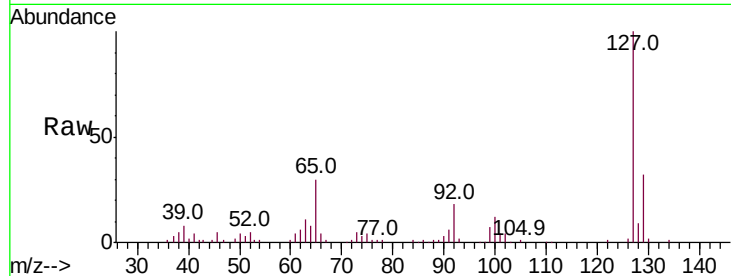
#33
4-Chloroaniline
Concen: 23.924 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	30.3	24.9	37.3
92	18.3	15.7	23.5

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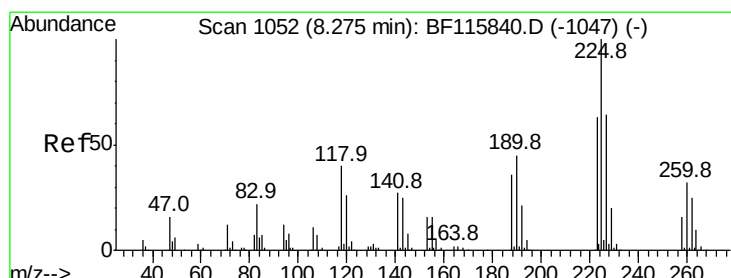
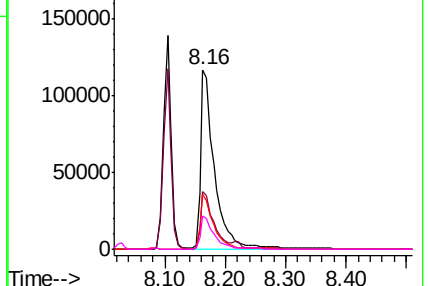
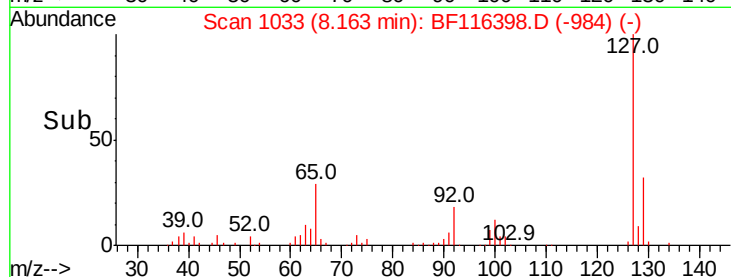
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

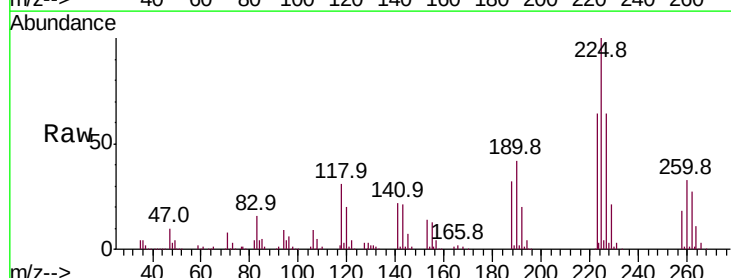
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 46.654 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.0	75.0
227	63.7	51.0	76.4

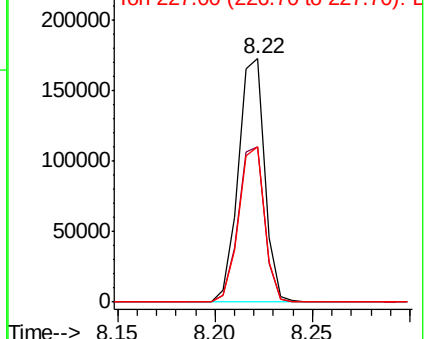
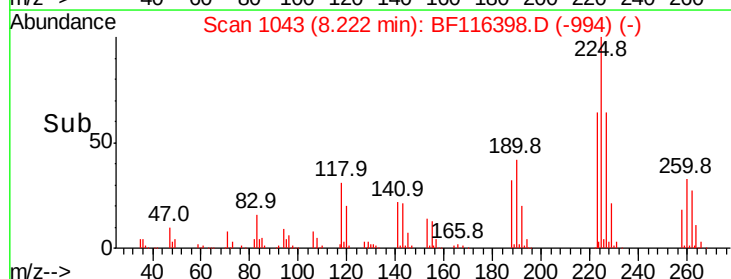


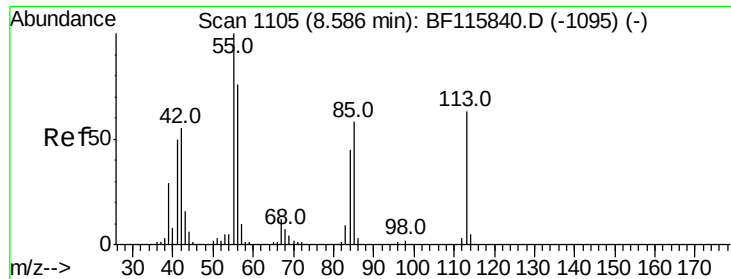
Abundance

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: 41.499 ng/mL

RT: 8.54 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

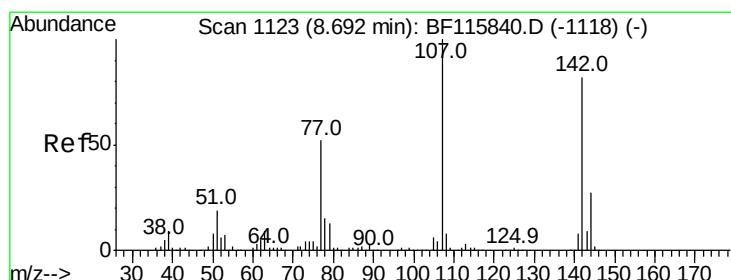
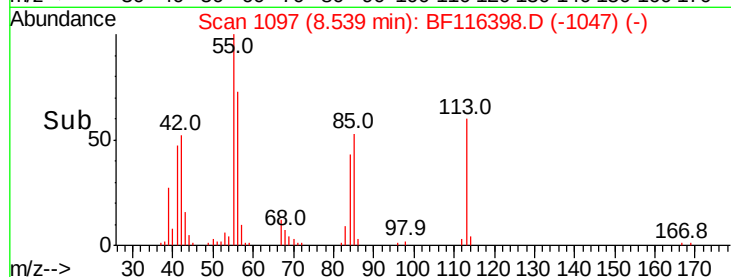
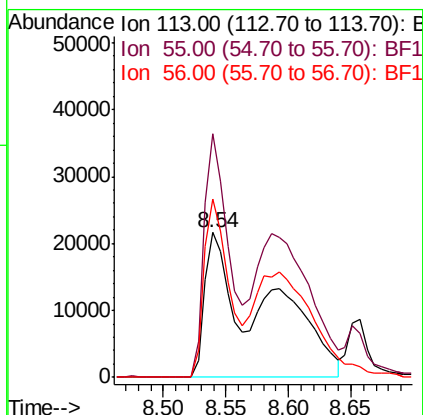
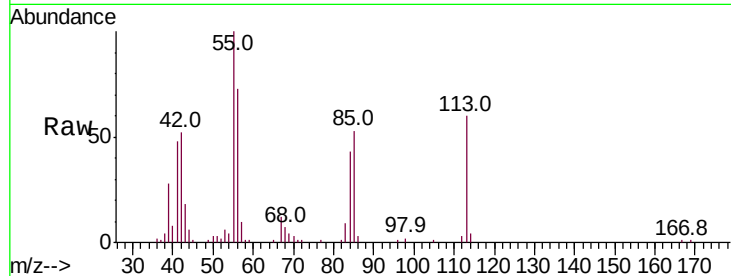
ClientSampleID :

SS-18_081519MSD

Tot Ion:	113	Resp:	70690
Ion	Ratio	Lower	Upper
113	100		
55	167.9	144.3	184.3
56	123.0	97.1	137.1

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#36

4-Chloro-3-methylphenol

Concen: 55.781 ng/mL

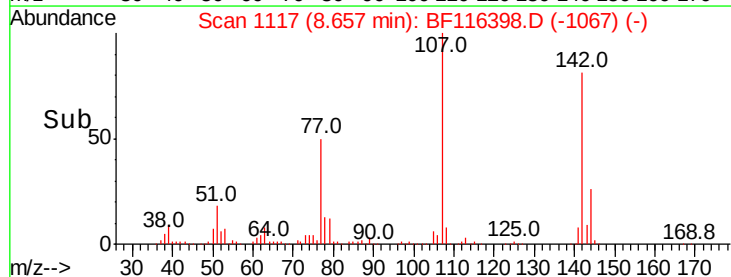
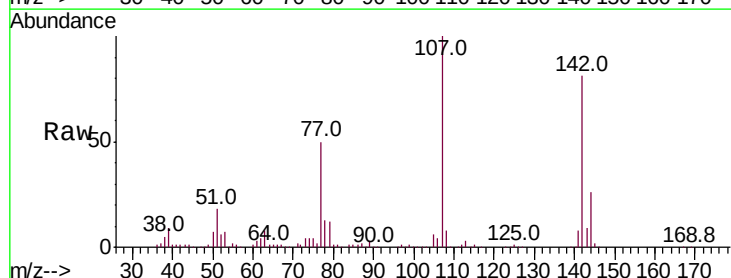
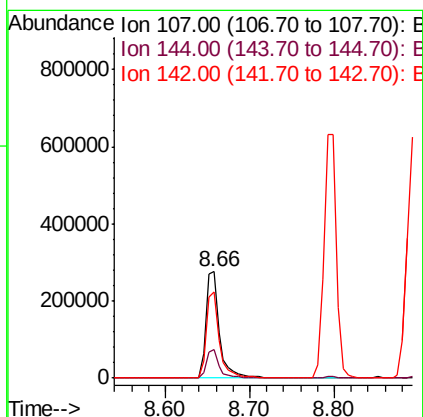
RT: 8.66 min Scan# 1117

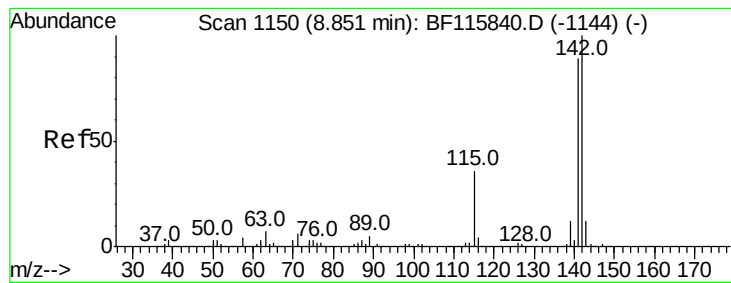
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	107	Resp:	305627
Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.2	30.2
142	81.2	61.7	92.5





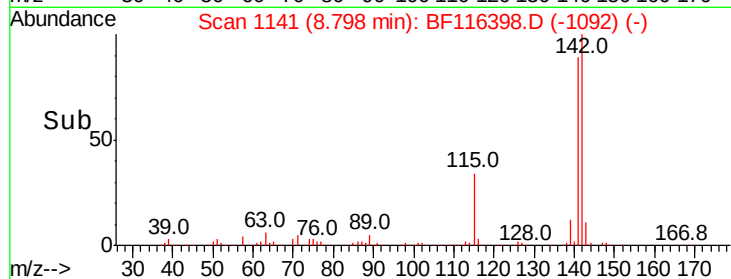
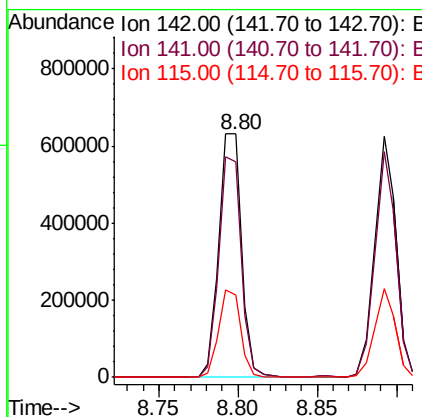
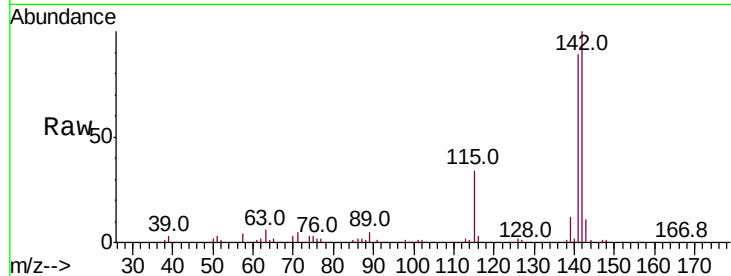
#37
 2-Methylnaphthalene
 Concen: 53.820 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.9	106.3
115	33.7	29.0	43.6

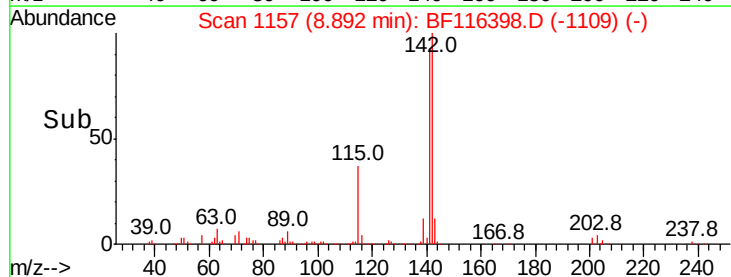
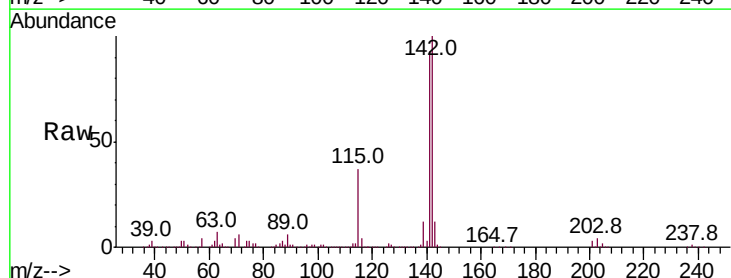
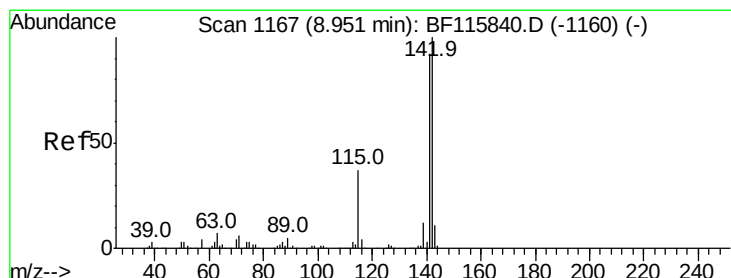
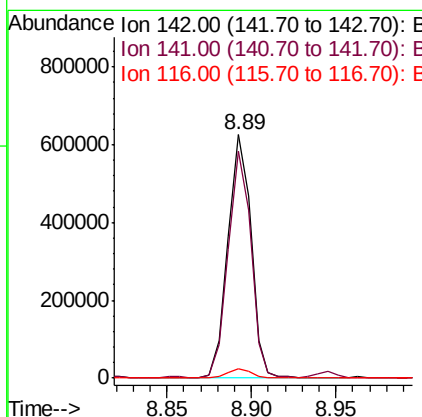
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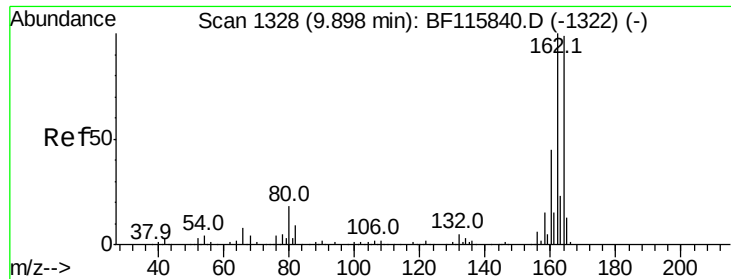
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#38
 1-Methylnaphthalene
 Concen: 53.679 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.4	111.6
116	3.8	3.1	4.7





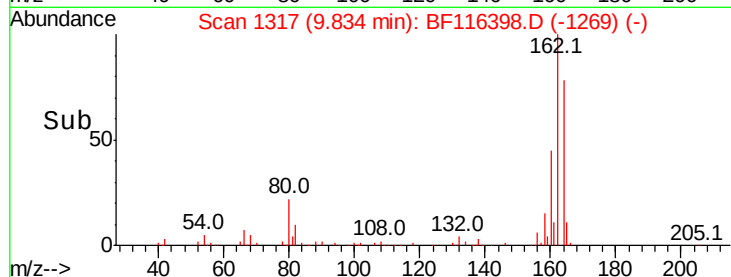
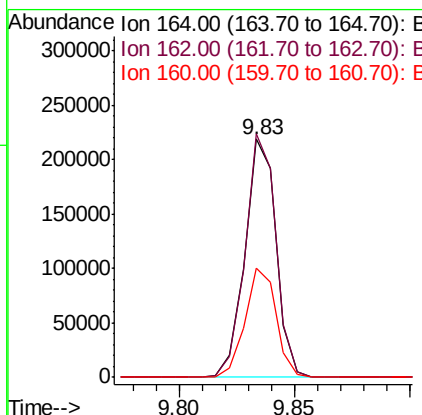
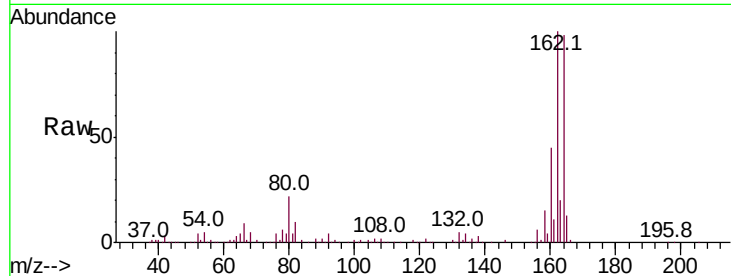
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	124.0
160	45.8	37.6	56.4

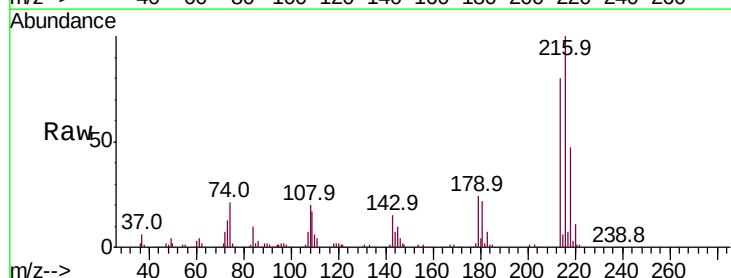
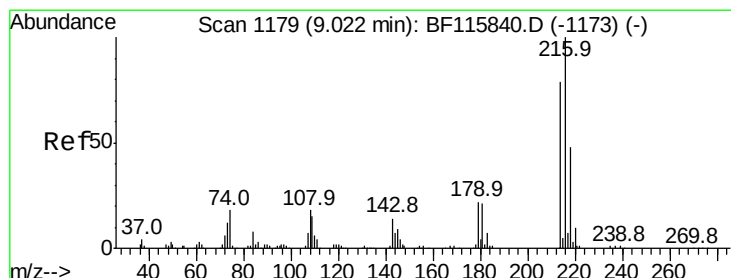
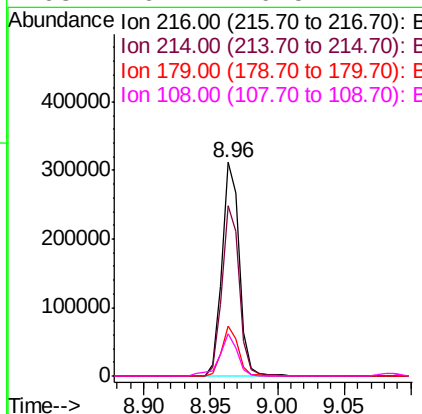
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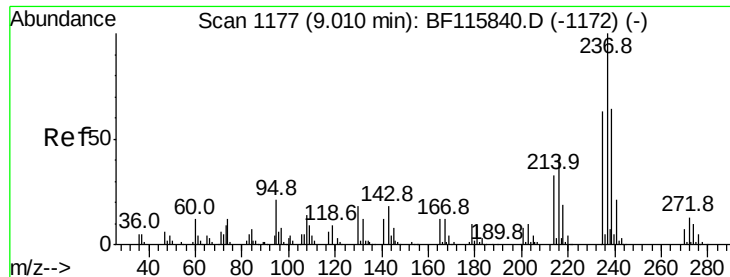
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 51.997 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.6	63.6	95.4
179	22.2	17.8	26.8
108	20.2	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 45.861 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

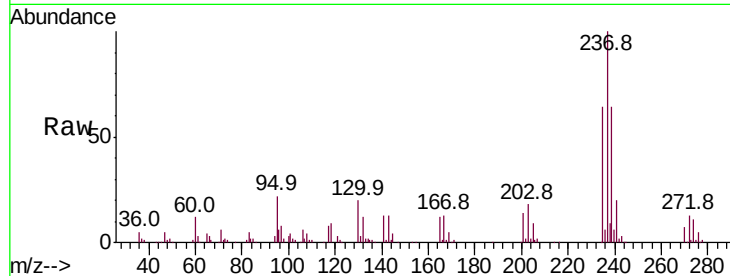
ClientSampleId :

SS-18_081519MSD

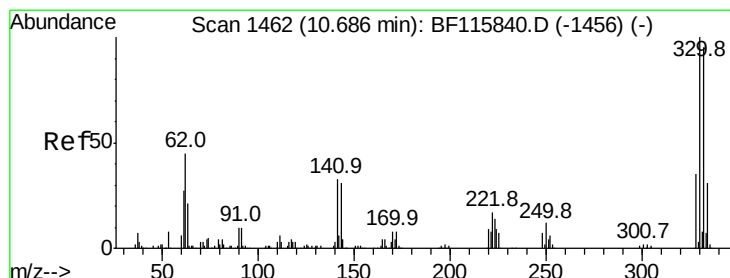
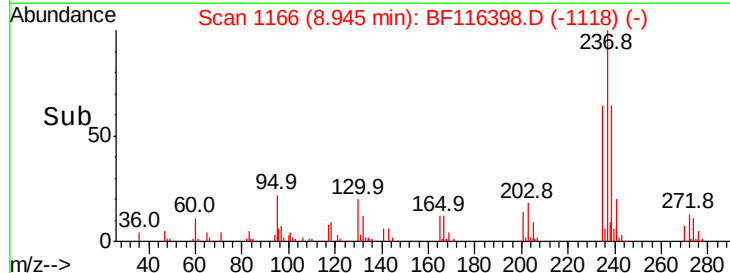
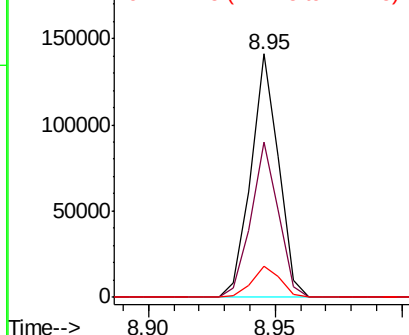
Tot Ion:	237	Resp:	107010
Ion Ratio		Lower	Upper
237	100		
235	63.6	43.4	83.4
272	13.0	0.0	33.2

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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: 156.725 ng

RT: 10.63 min Scan# 1452

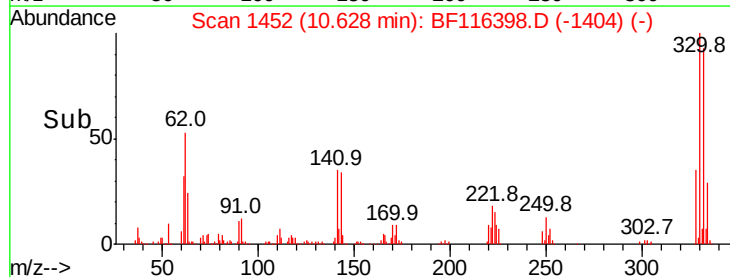
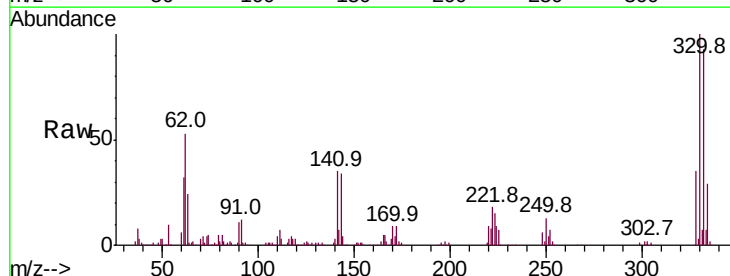
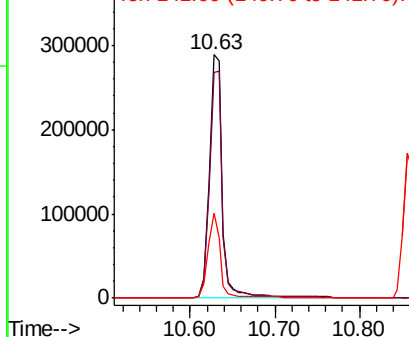
Delta R.T. -0.02 min

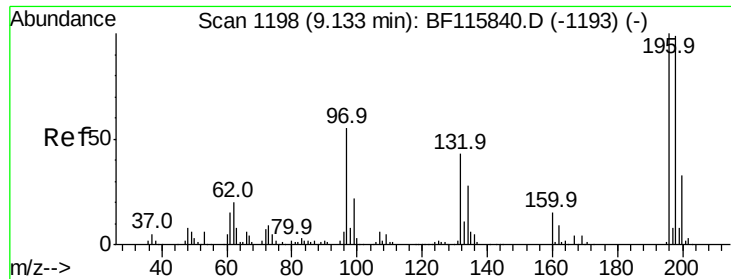
Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	330	Resp:	314114
Ion Ratio		Lower	Upper
330	100		
332	94.7	76.8	115.2
141	32.5	26.3	39.5

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





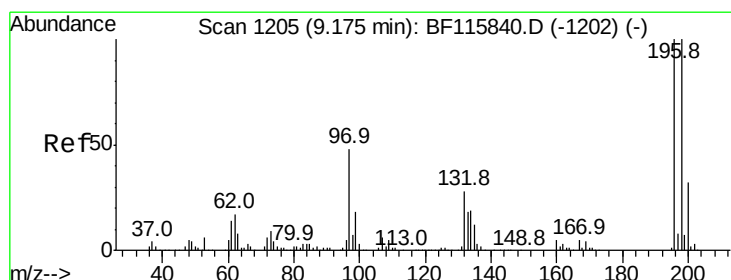
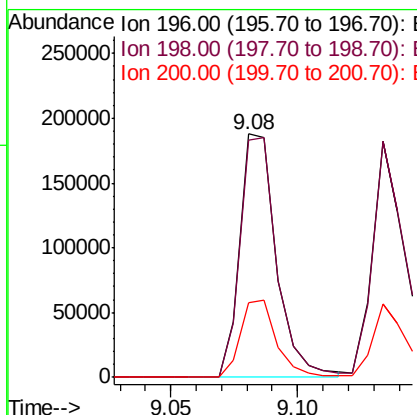
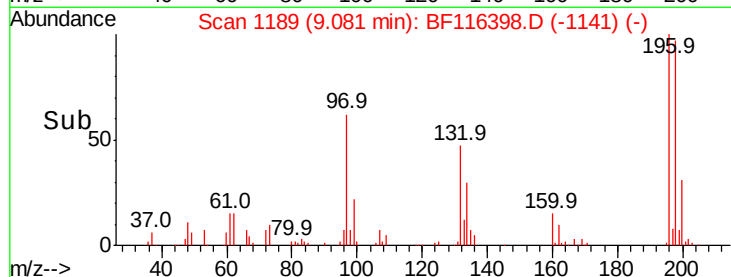
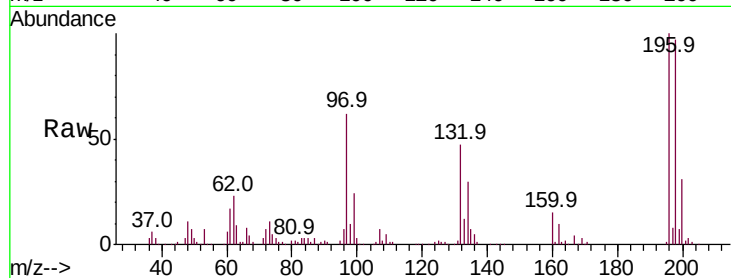
#43
 2,4,6-Trichlorophenol
 Concen: 49.586 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion:	196	Resp:	188624
Ion Ratio	Lower	Upper	
196	100		
198	97.4	79.2	118.8
200	30.5	25.2	37.8

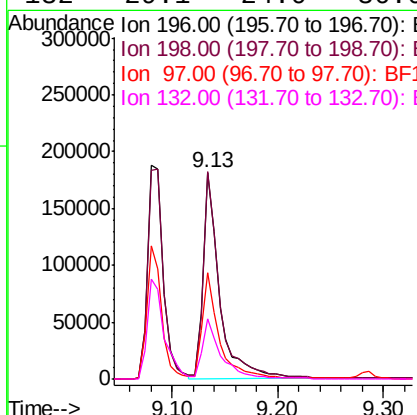
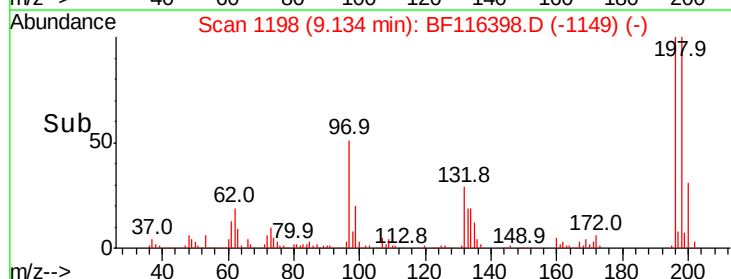
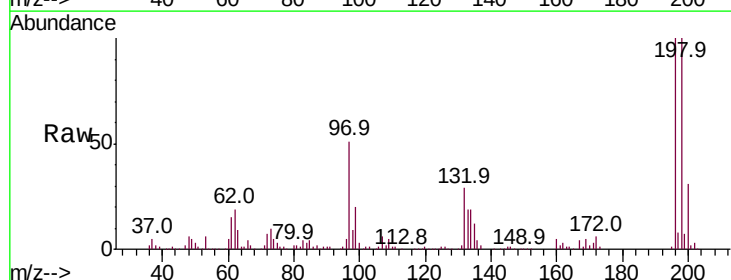
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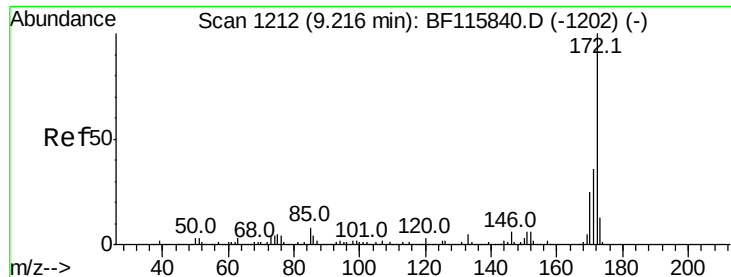
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 49.847 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion:	196	Resp:	196008
Ion Ratio	Lower	Upper	
196	100		
198	100.4	78.8	118.2
97	51.4	42.2	63.4
132	29.1	24.0	36.0





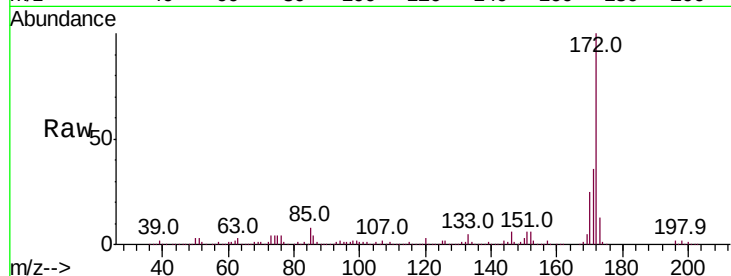
#45
2-Fluorobiphenyl
Concen: 109.029 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

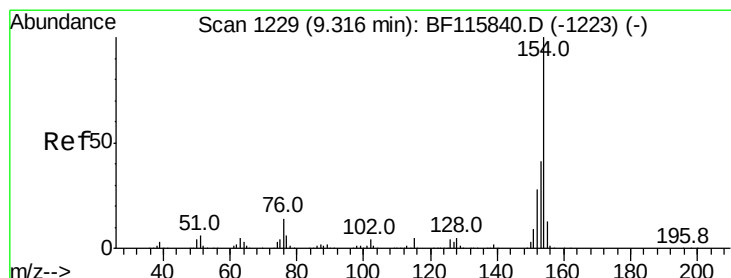
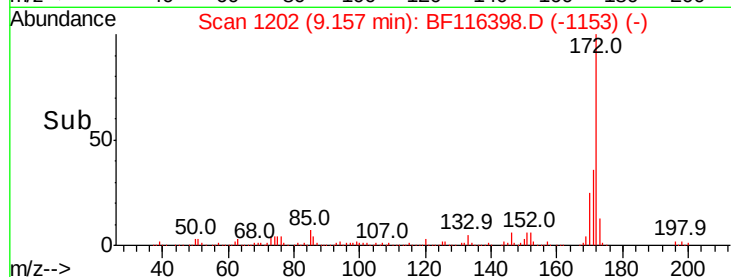
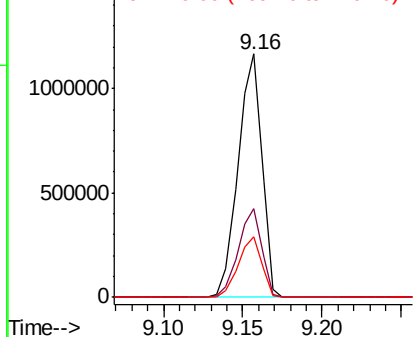
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	25.1	20.1	30.1

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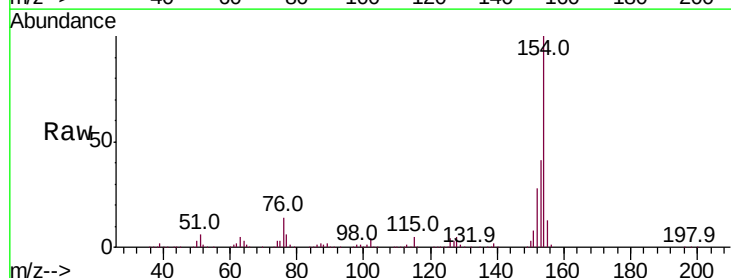


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

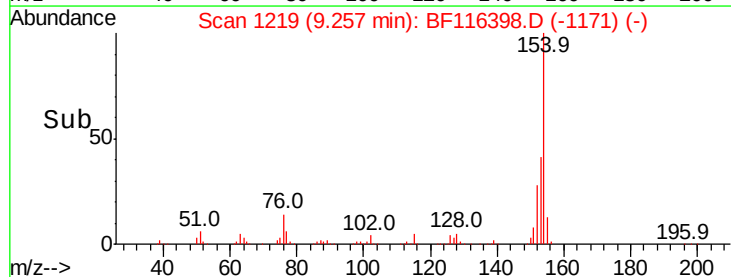
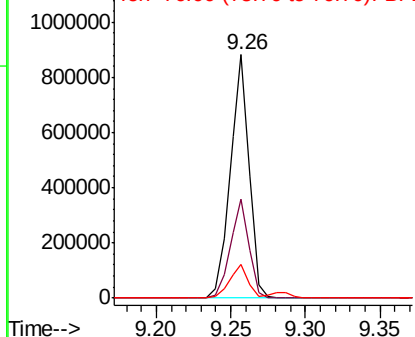


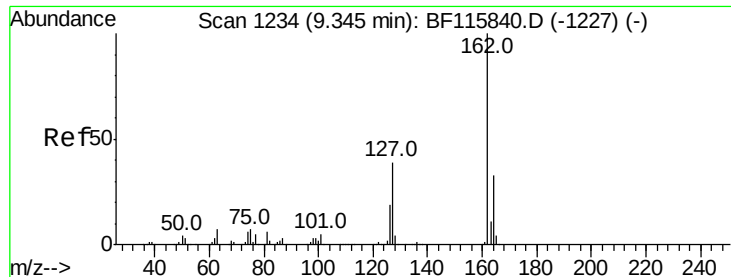
#46
1,1'-Biphenyl
Concen: 53.714 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.4	61.4
76	13.7	0.0	35.2



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





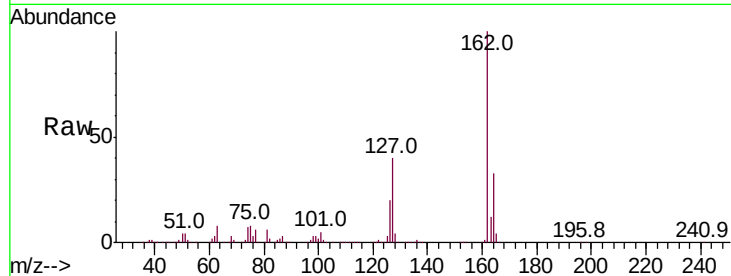
#47
 2-Chloronaphthalene
 Concen: 50.821 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	617329		
127	39.6		32.8	49.2
164	33.3		26.6	39.8

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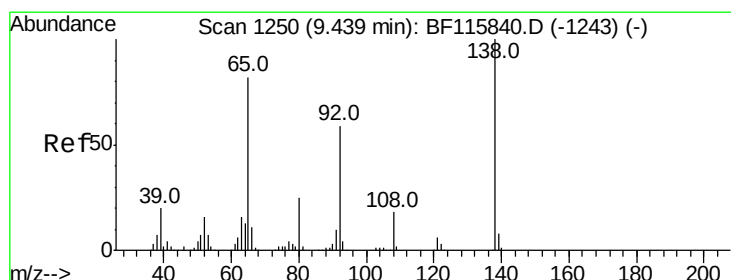
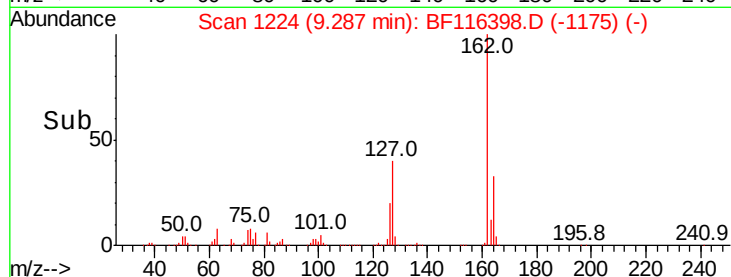
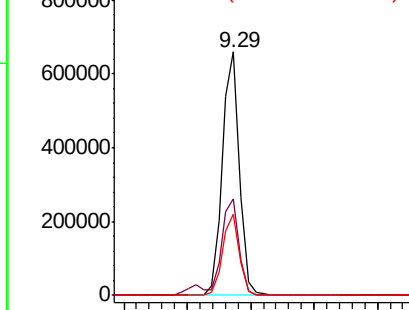


Abundance

Ion 162.00 (161.70 to 162.70): E

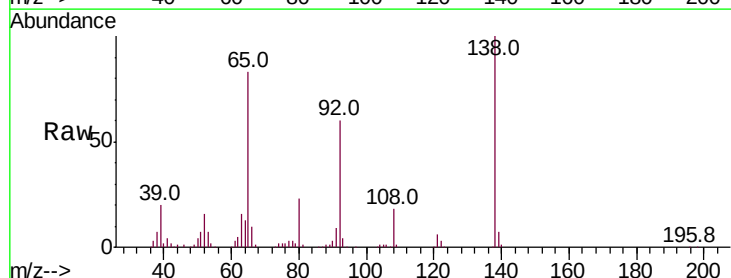
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
 2-Nitroaniline
 Concen: 51.529 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	206890		
92	71.7		57.8	86.8
138	120.5		94.0	141.0

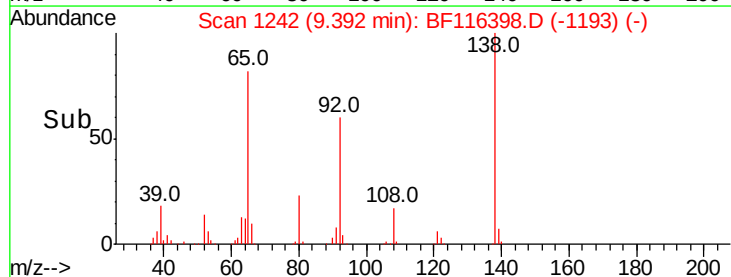
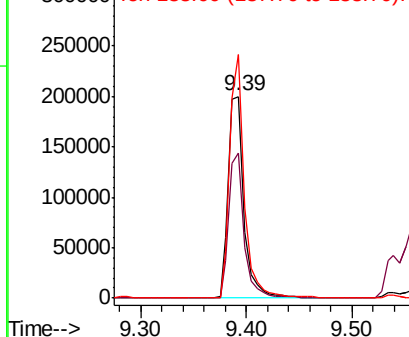


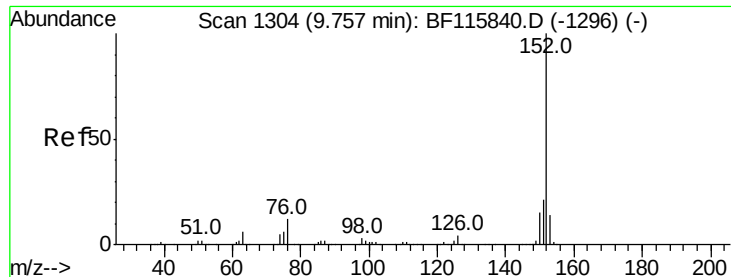
Abundance

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: 52.860 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

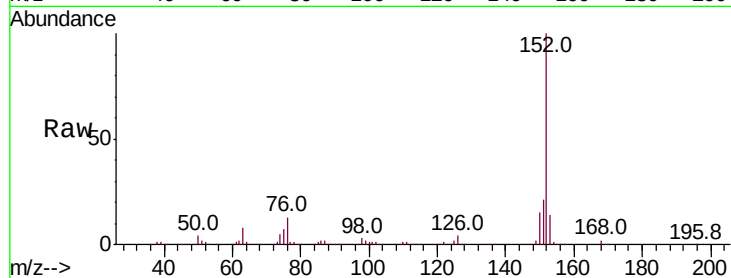
ClientSampleId :

SS-18_081519MSD

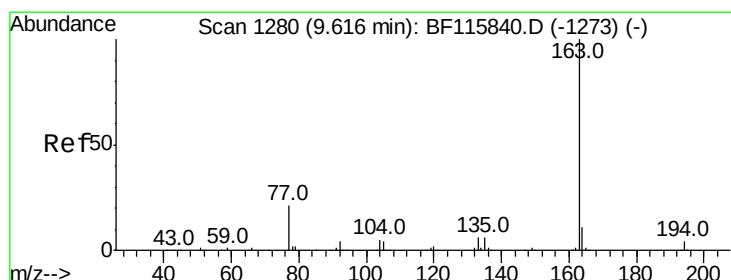
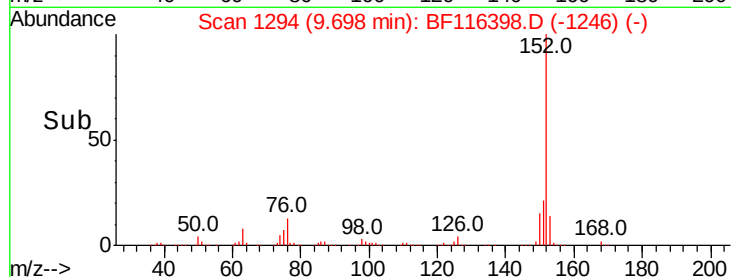
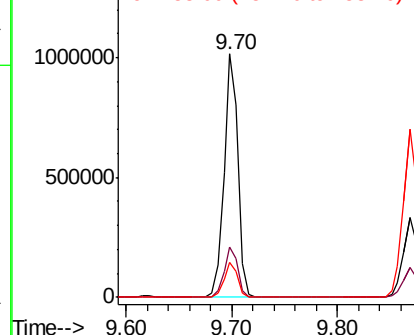
Tot Ion:	152	Resp:	936745
Ion Ratio	Lower	Upper	
152	100		
151	20.9	17.2	25.8
153	14.4	11.8	17.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 55.435 ng

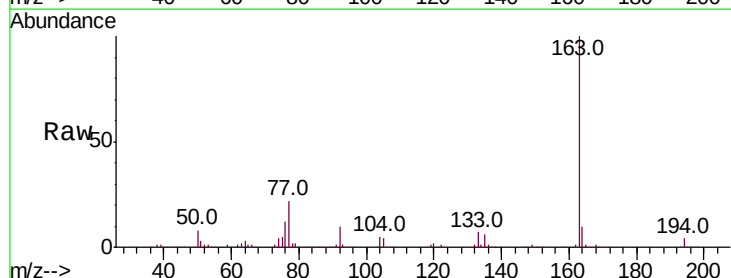
RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

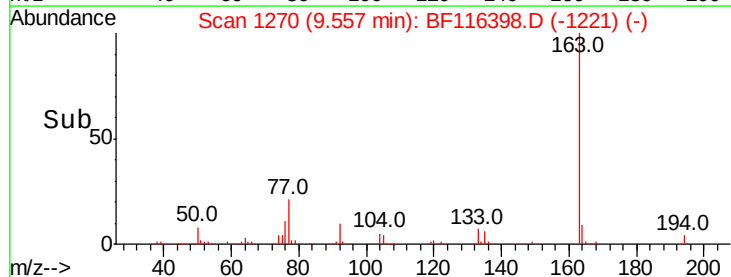
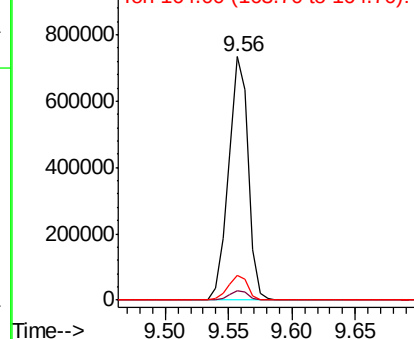
Lab File: BF116398.D

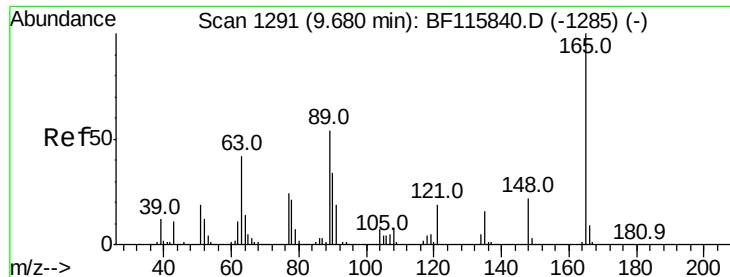
Acq: 19 Aug 2019 20:07

Tgt Ion:	163	Resp:	780279
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 54.996 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

SS-18_081519MSD

Tot Ion:165 Resp: 168225

Ion Ratio Lower Upper

165 100

63 58.0 38.2 57.2#

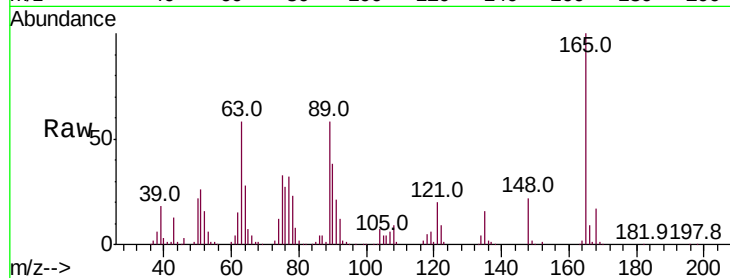
89 57.9 42.9 64.3

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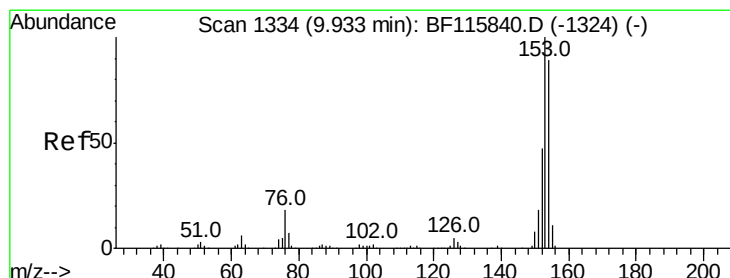
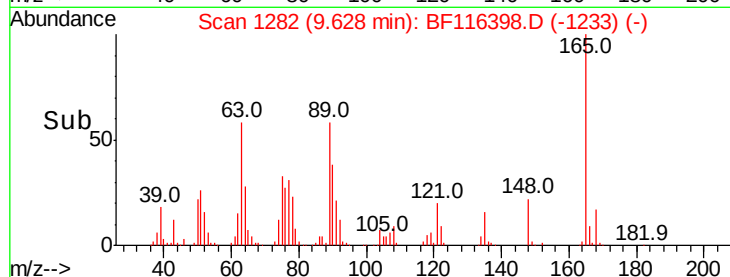
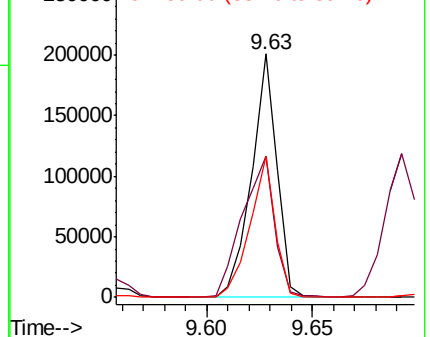
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 52.784 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

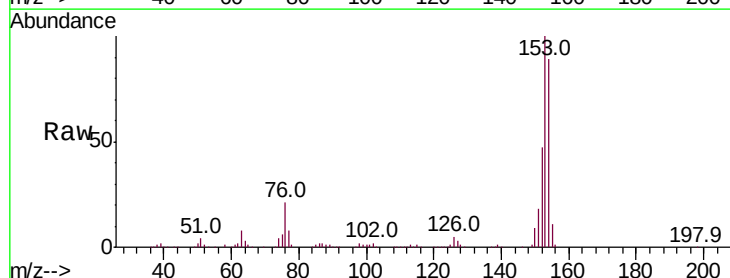
Tgt Ion:154 Resp: 573858

Ion Ratio Lower Upper

154 100

153 112.6 89.4 134.0

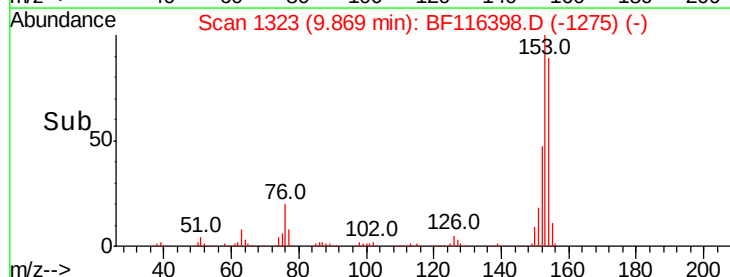
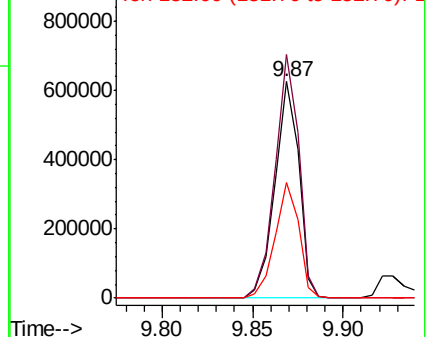
152 53.3 42.3 63.5

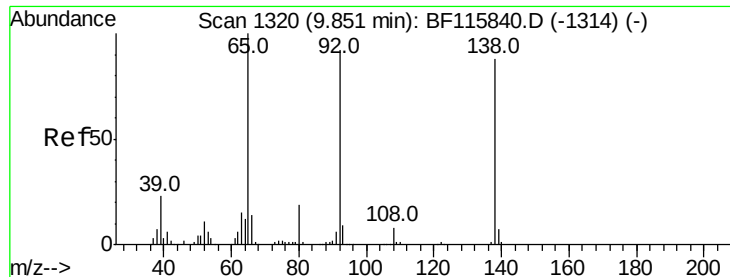


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





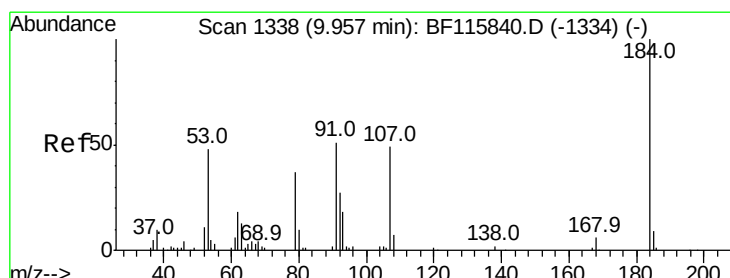
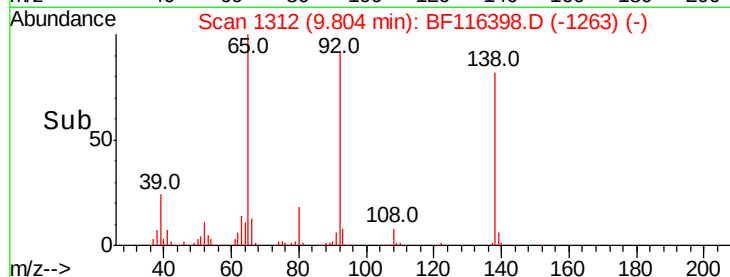
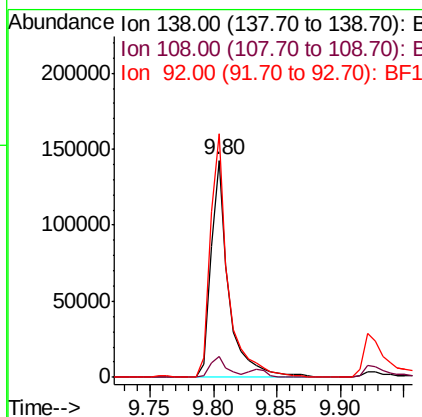
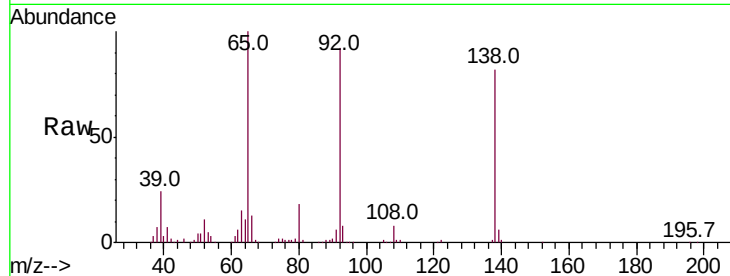
#53
3-Nitroaniline
Concen: 36.940 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.0	12.0
92	112.1	91.0	136.6

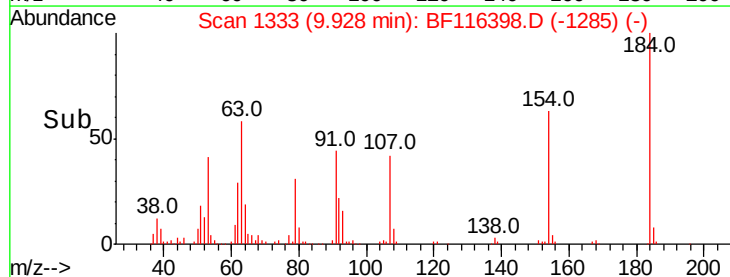
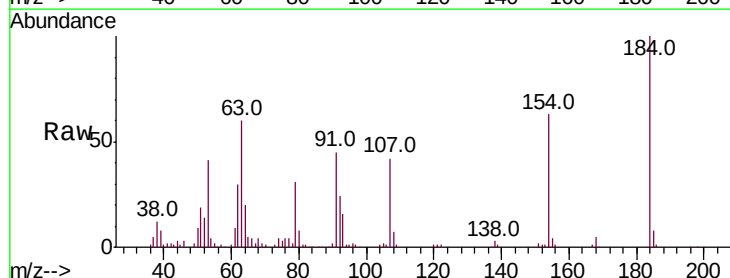
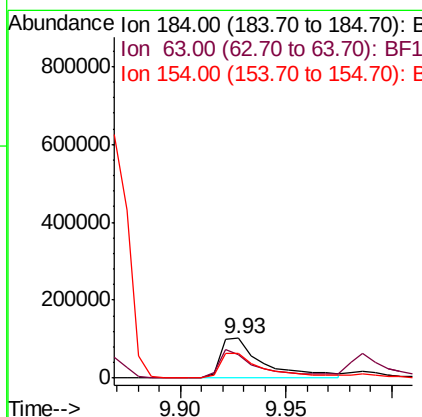
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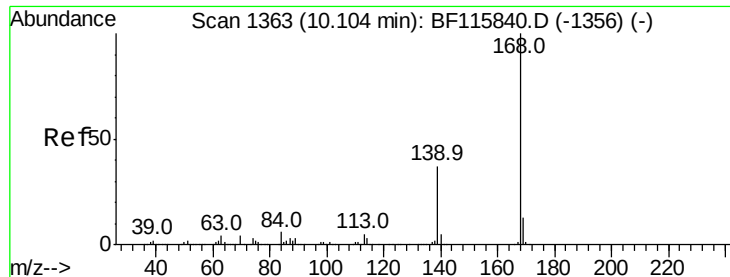
mohammad
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#54
2,4-Dinitrophenol
Concen: 91.258 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.9	53.0	79.4
154	62.9	50.1	75.1





#55

Dibenzofuran

Concen: 52.018 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

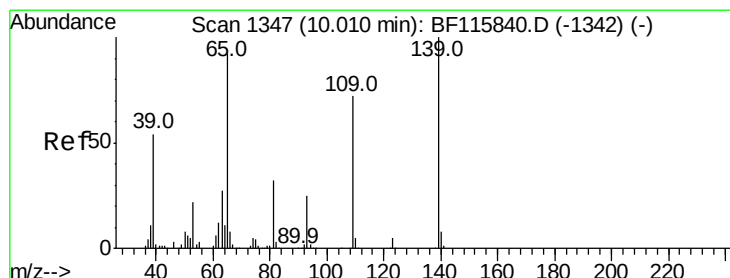
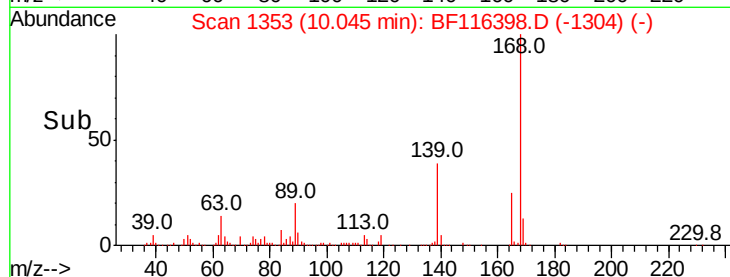
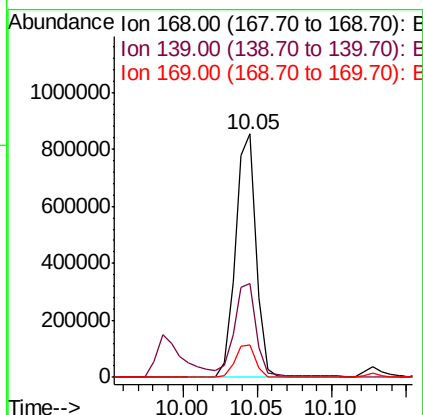
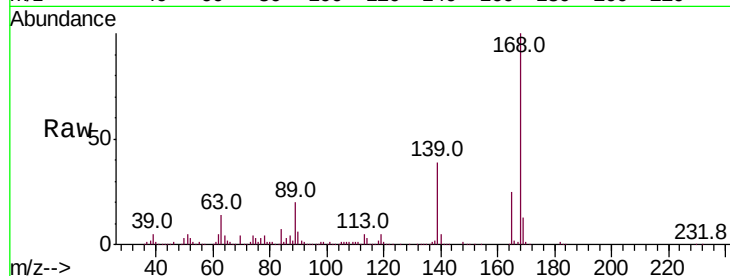
ClientSampleId :

SS-18_081519MSD

Tot Ion:168	Resp:	822424
Ion Ratio	Lower	Upper
168	100	
139	38.5	31.4 47.2
169	13.1	10.9 16.3

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#56

4-Nitrophenol

Concen: 77.761 ng

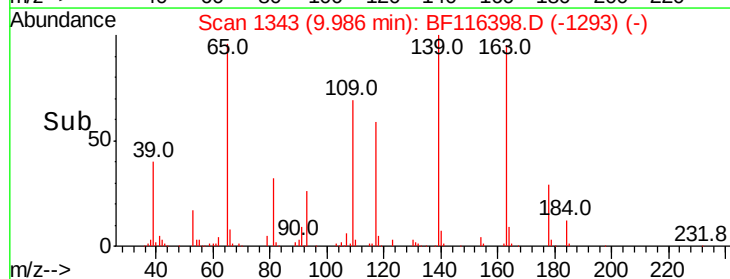
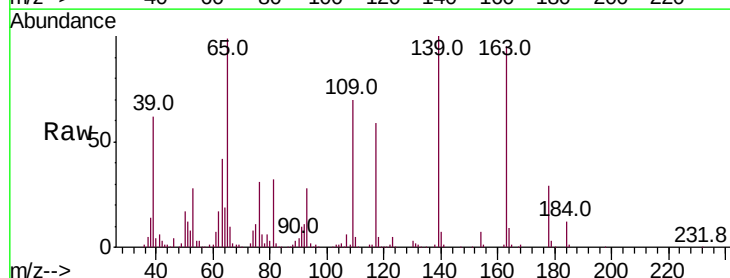
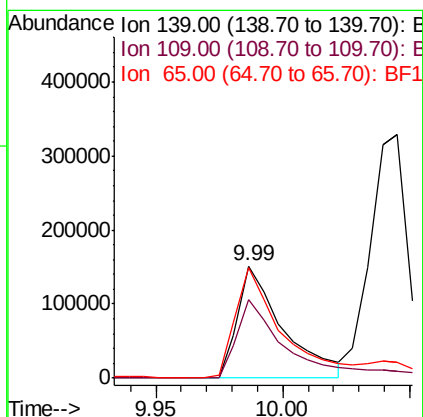
RT: 9.99 min Scan# 1343

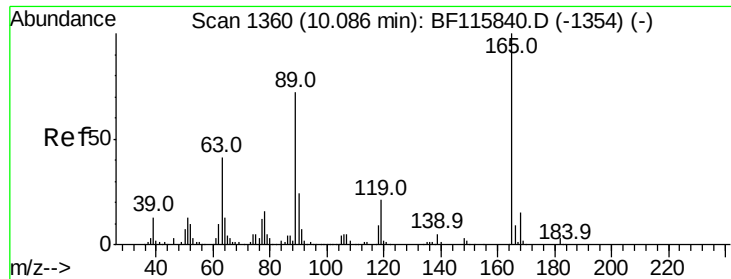
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:139	Resp:	188277
Ion Ratio	Lower	Upper
139	100	
109	70.2	54.4 94.4
65	98.9	80.6 120.6





#57

2,4-Dinitrotoluene

Concen: 51.983 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

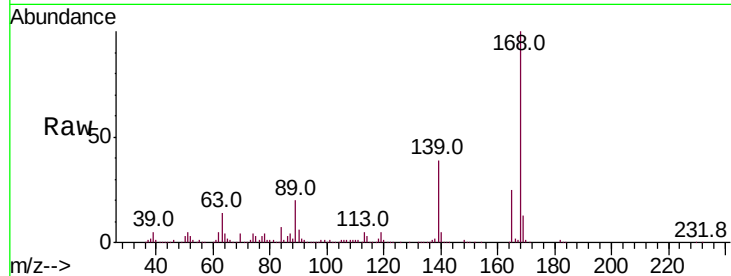
ClientSampleId :

SS-18_081519MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		211706		
63	56.8	39.6	59.4		
89	78.9	62.2	93.2		
182	2.6	2.1	3.1		

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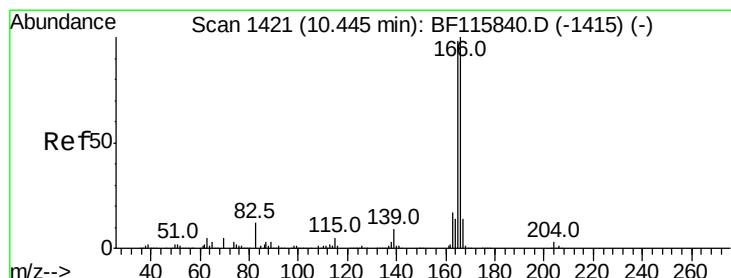
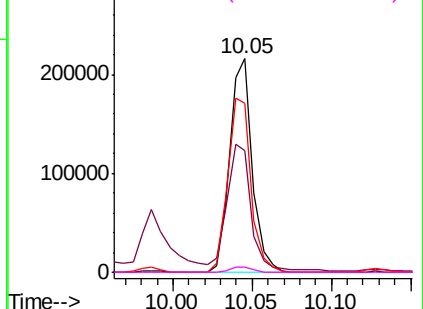
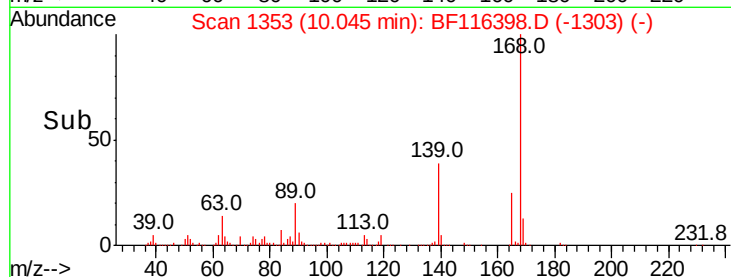


Abundance Ion 165.00 (164.70 to 165.70): E

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: 56.505 ng

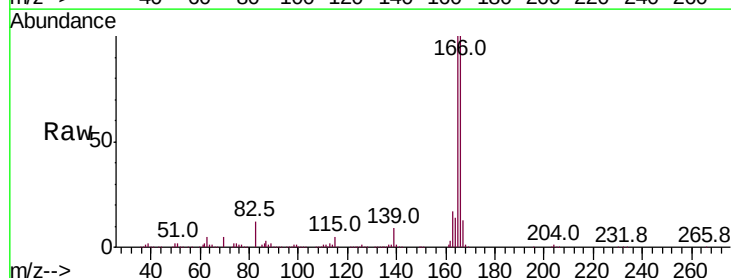
RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

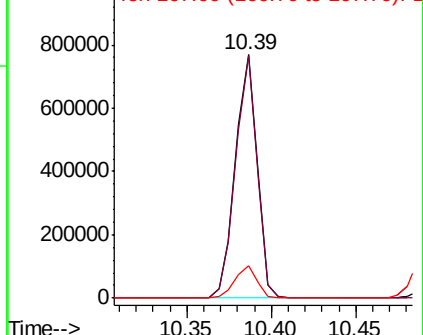
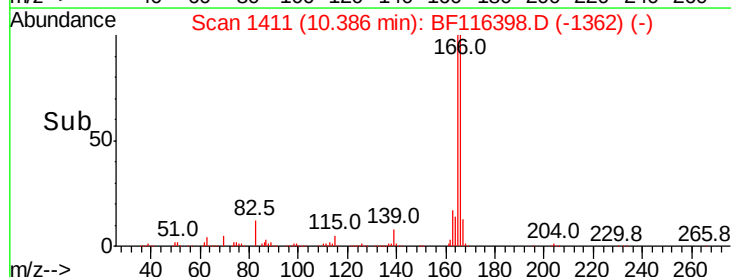
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		687330		
165	99.7	78.4	117.6		
167	13.5	11.0	16.4		

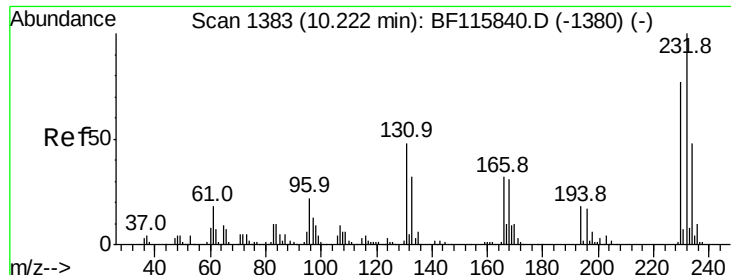


Abundance Ion 166.00 (165.70 to 166.70): E

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: 55.266 ng

RT: 10.17 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

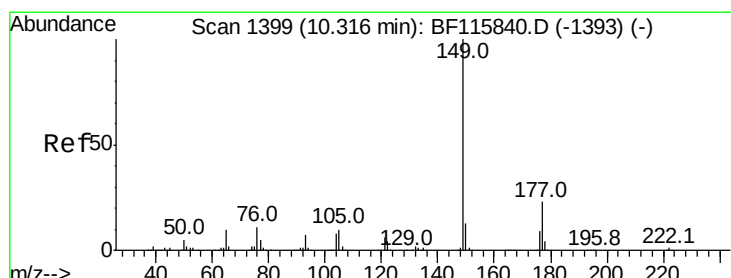
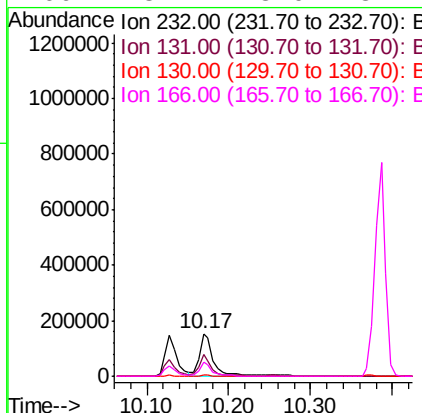
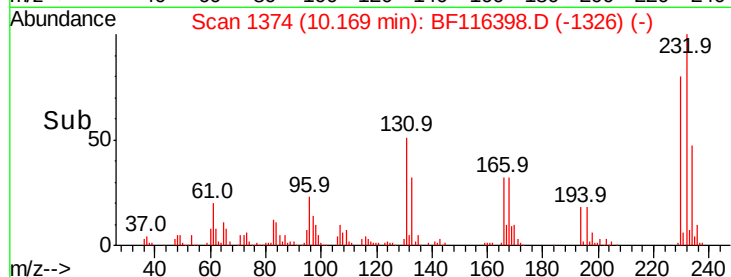
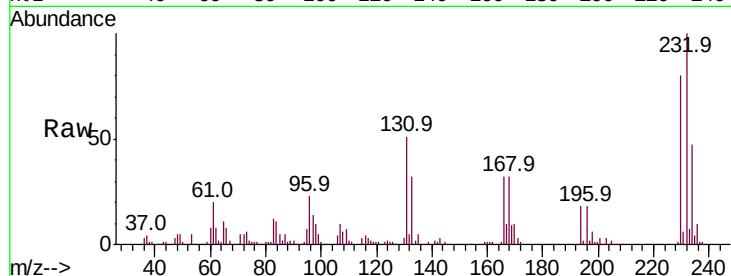
ClientSampleId :

SS-18_081519MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	182831		
131	44.7	36.2	54.2	
130	2.2	1.9	2.9	
166	28.4	23.0	34.4	

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#60

Diethylphthalate

Concen: 55.596 ng

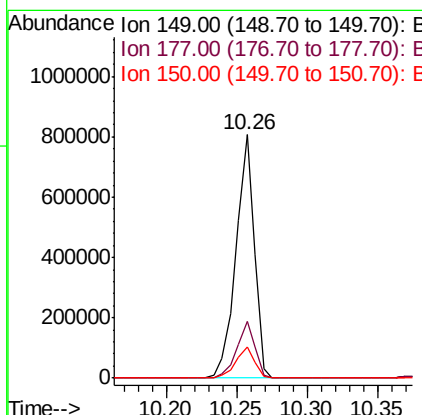
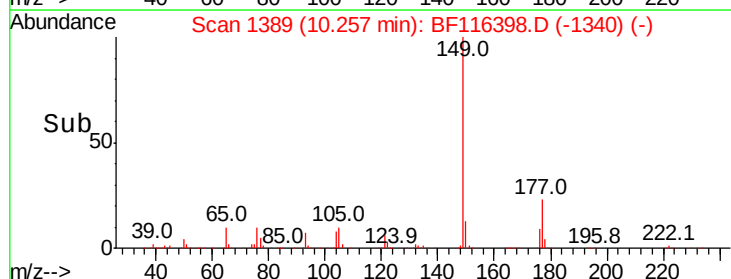
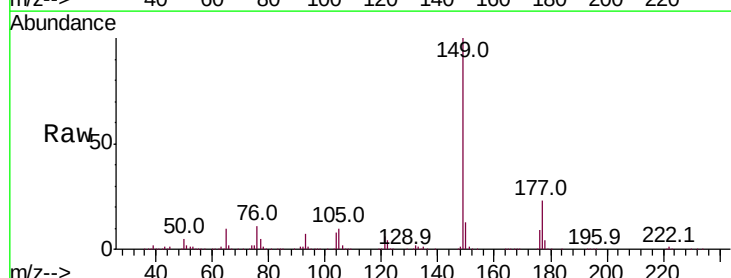
RT: 10.26 min Scan# 1389

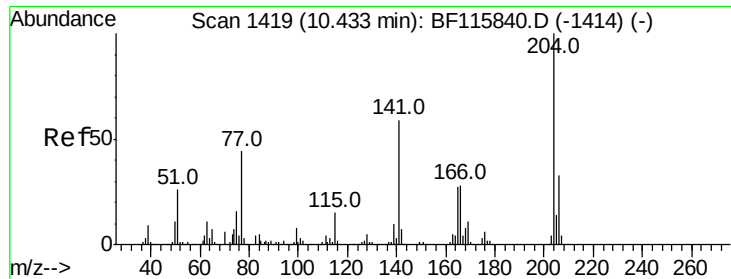
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	730607		
177	23.2	18.8	28.2	
150	12.7	10.2	15.4	





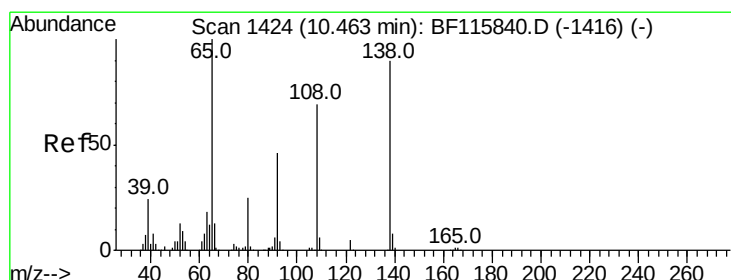
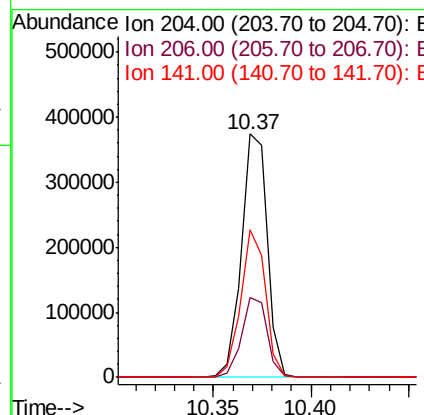
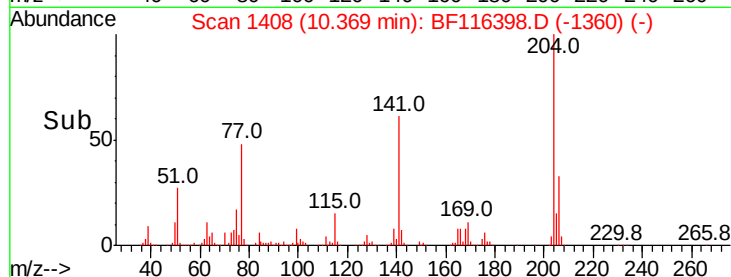
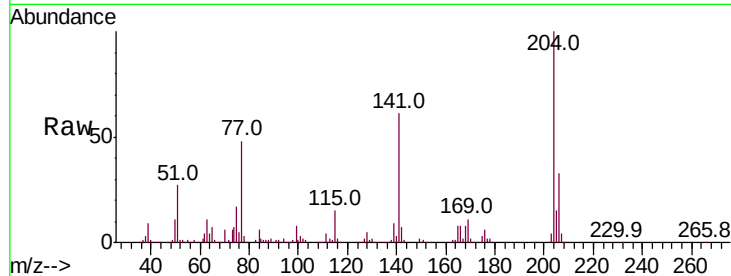
#61
4-Chlorophenyl-phenylether
Concen: 55.914 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	60.7	46.4	69.6

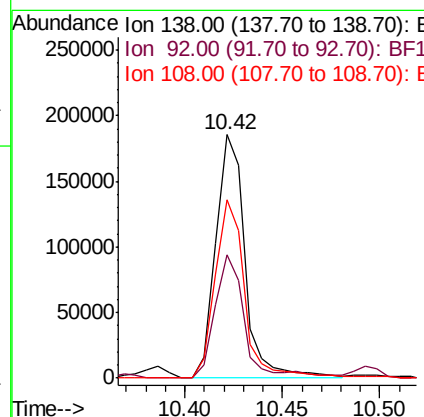
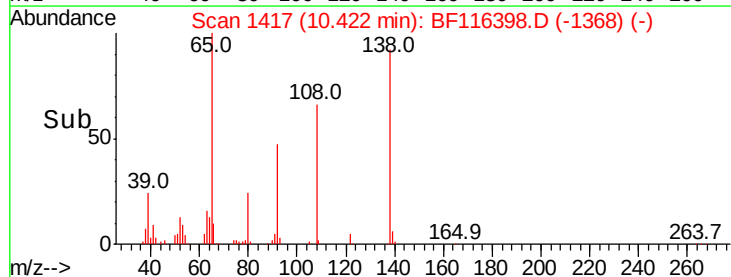
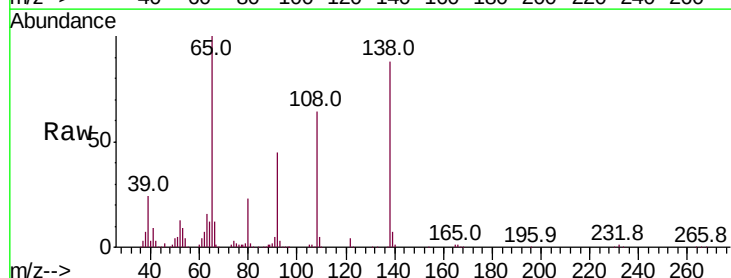
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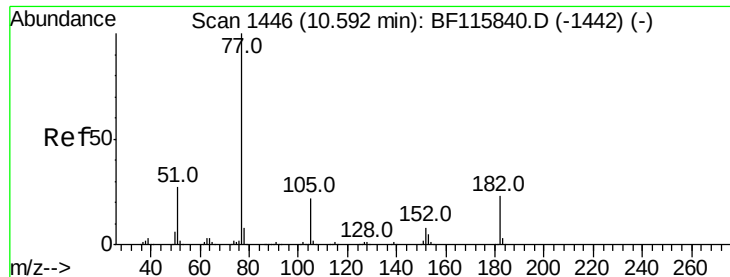
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#62
4-Nitroaniline
Concen: 49.580 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.9	29.0	69.0
108	73.1	54.7	94.7





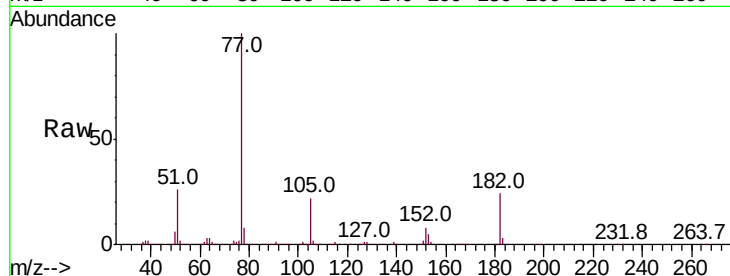
#63
Azobenzene
Concen: 55.557 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

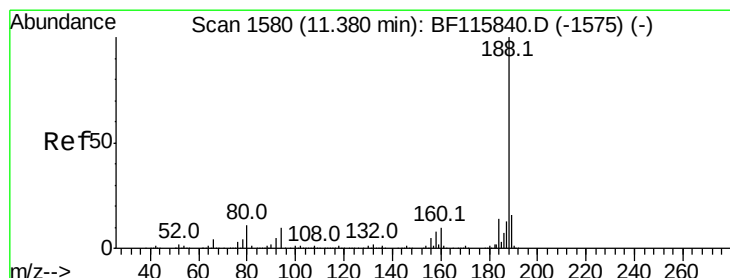
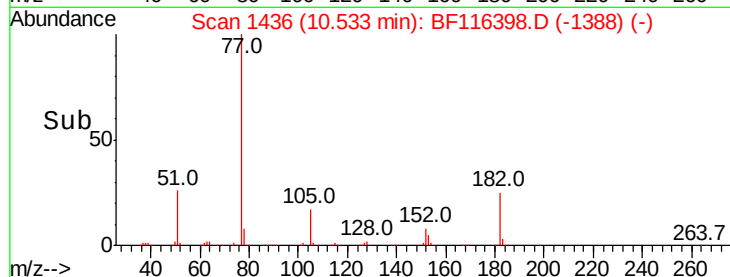
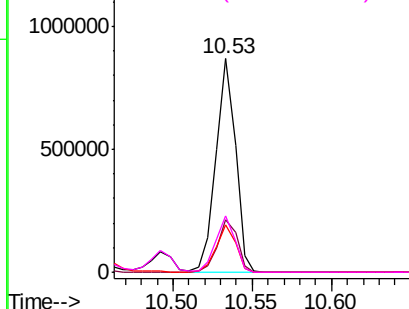
Tot Ion	Ratio	Resp	Lower	Upper
77	100	750941		
182	24.3	4.0	44.0	
105	22.2	2.0	42.0	
51	26.4	7.5	47.5	

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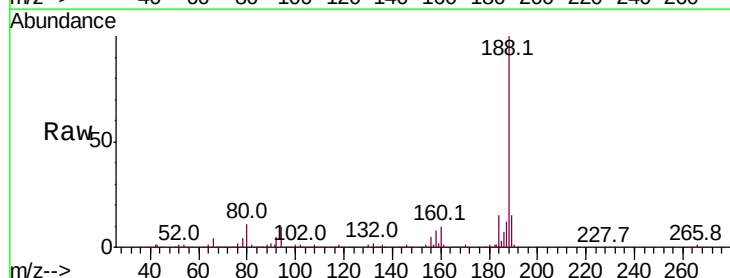


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

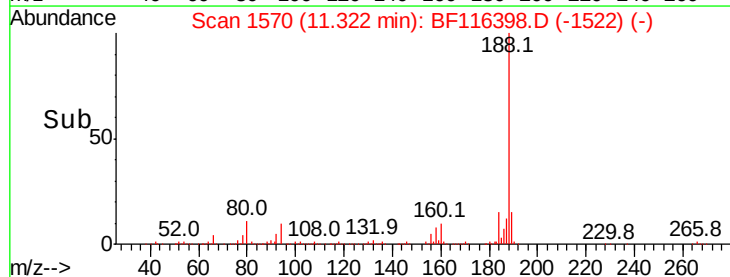
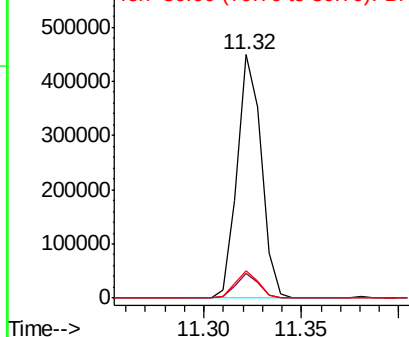


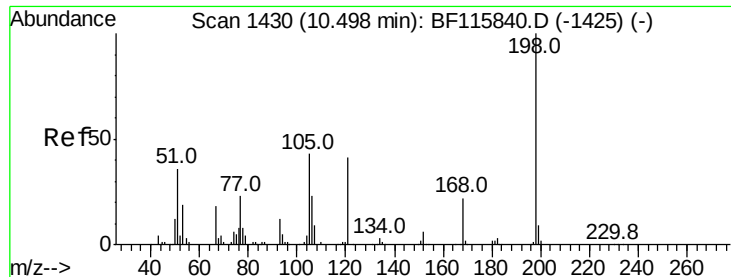
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	385663		
94	10.1	8.1	12.1	
80	11.3	8.7	13.1	



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: 56.442 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

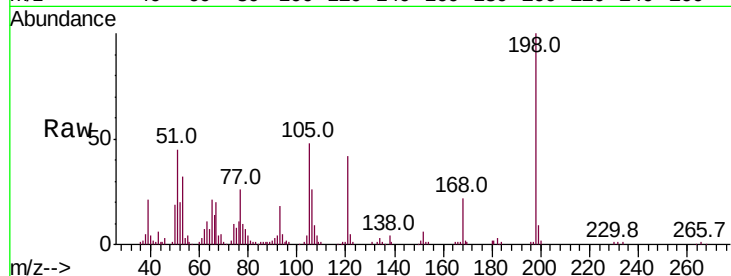
ClientSampleId :

SS-18_081519MSD

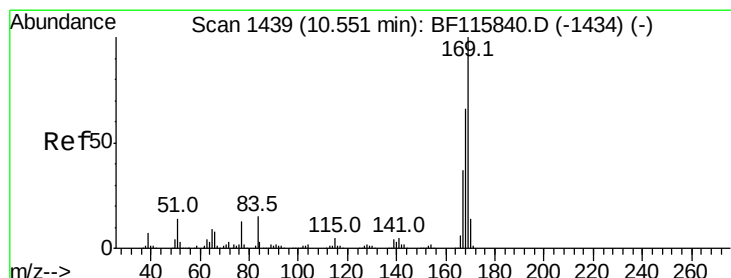
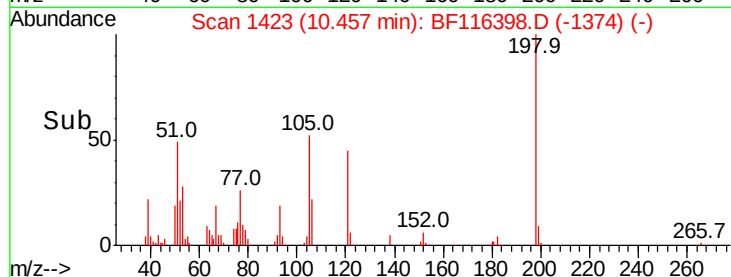
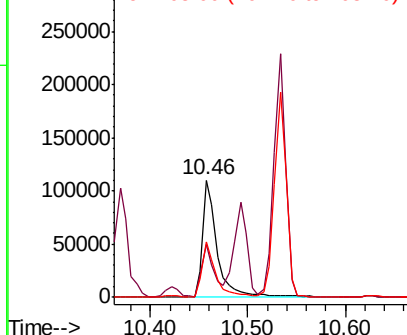
Tot Ion:	198	Resp:	115353
Ion Ratio	Lower	Upper	
198	100		
51	45.2	17.0	57.0
105	47.7	21.6	61.6

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 53.733 ng

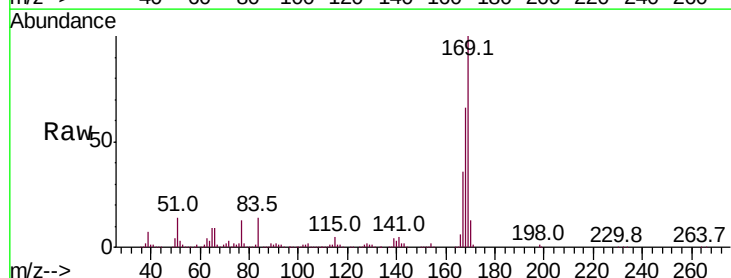
RT: 10.49 min Scan# 1429

Delta R.T. -0.02 min

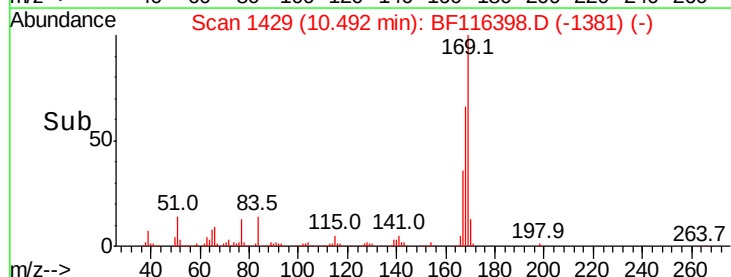
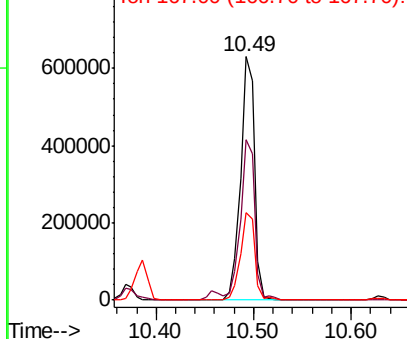
Lab File: BF116398.D

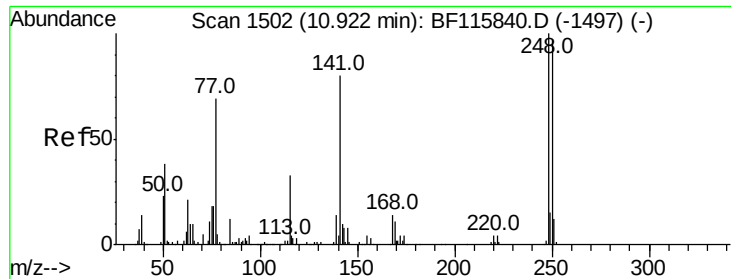
Acq: 19 Aug 2019 20:07

Tgt Ion:	169	Resp:	623737
Ion Ratio	Lower	Upper	
169	100		
168	66.1	53.8	80.6
167	36.2	29.6	44.4



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





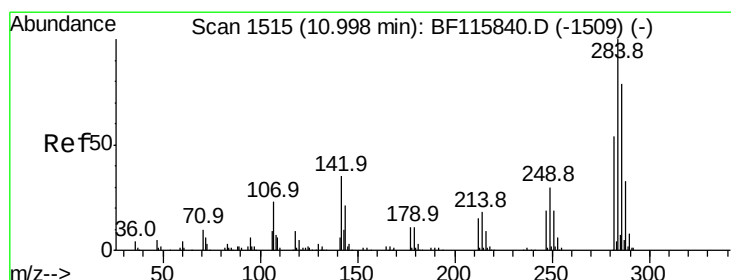
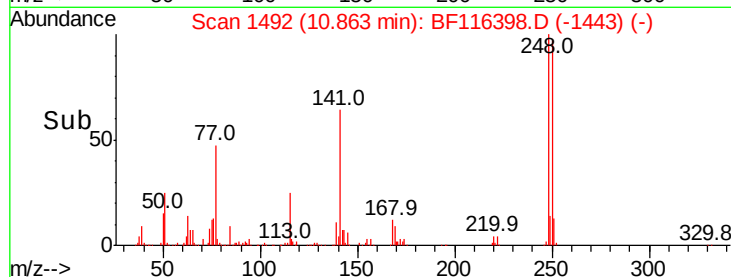
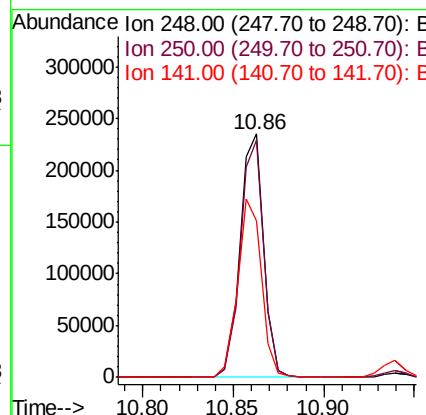
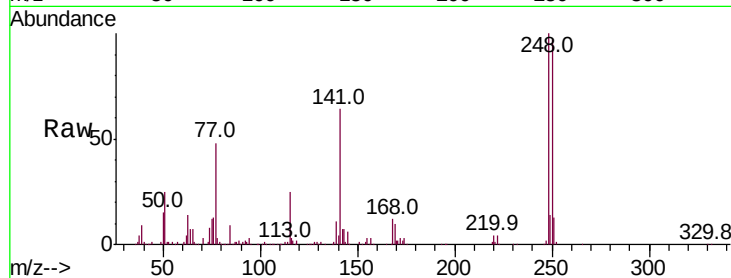
#67
4-Bromophenyl-phenylether
Concen: 51.535 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.4	116.2
141	64.4	56.8	85.2

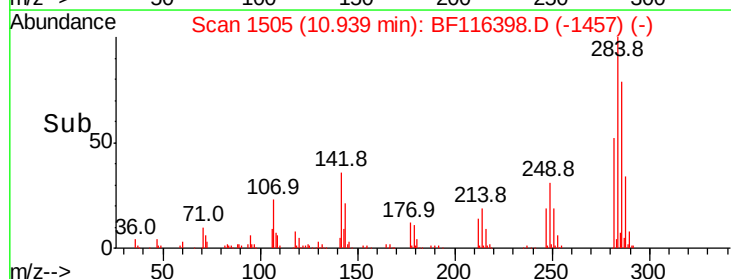
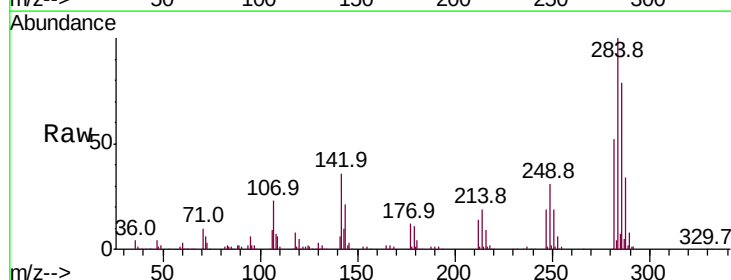
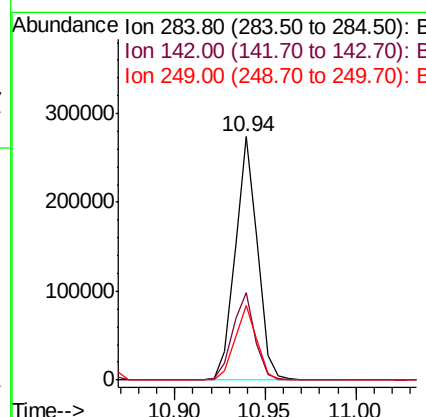
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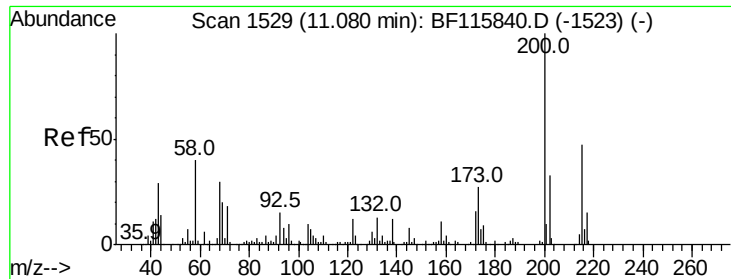
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#68
Hexachlorobenzene
Concen: 48.846 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.0	28.4	42.6
249	30.6	24.5	36.7





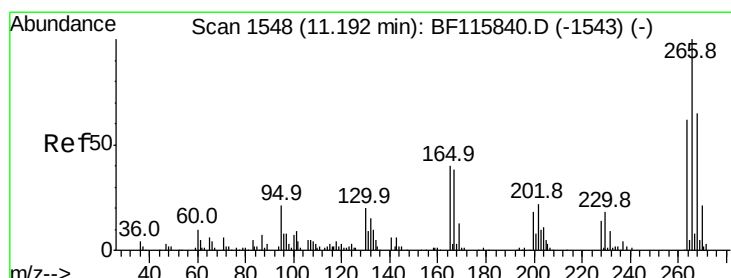
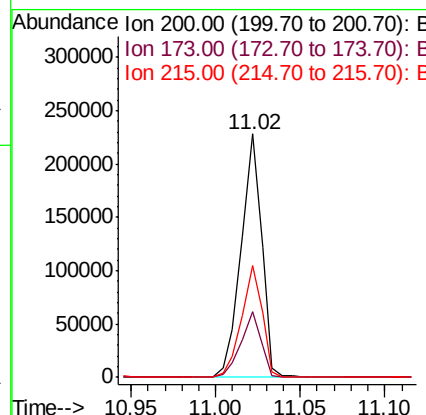
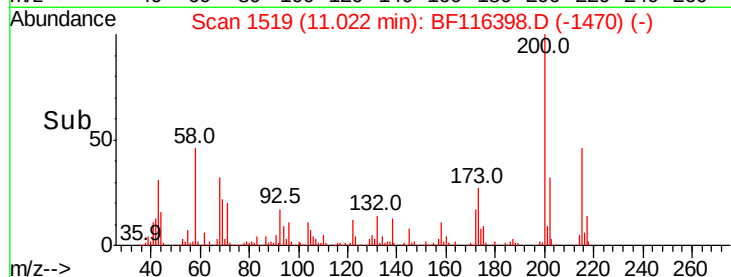
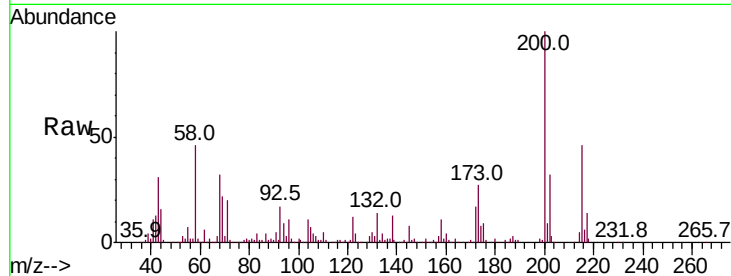
#69
Atrazine
Concen: 50.702 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.9	6.8	46.8
215	46.0	27.5	67.5

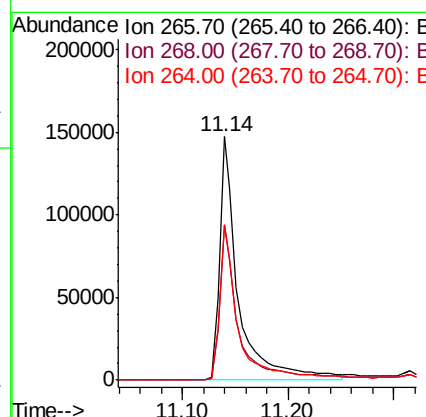
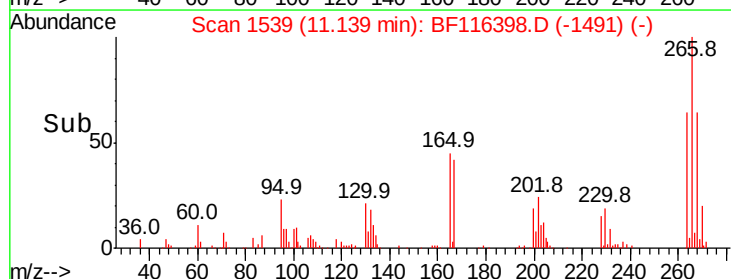
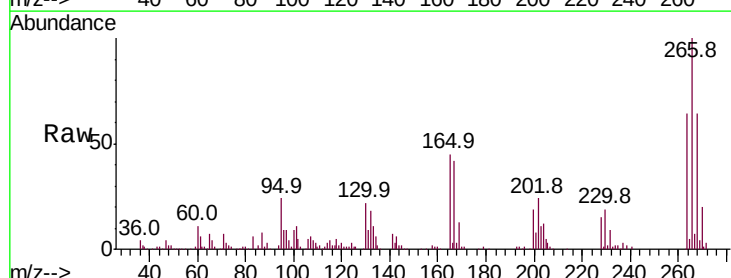
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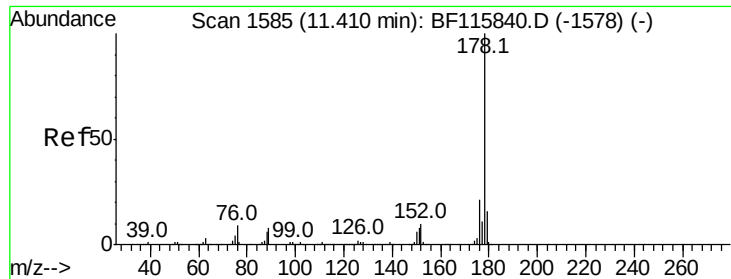
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#70
Pentachlorophenol
Concen: 80.725 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.6	48.8	73.2
264	63.7	50.6	76.0





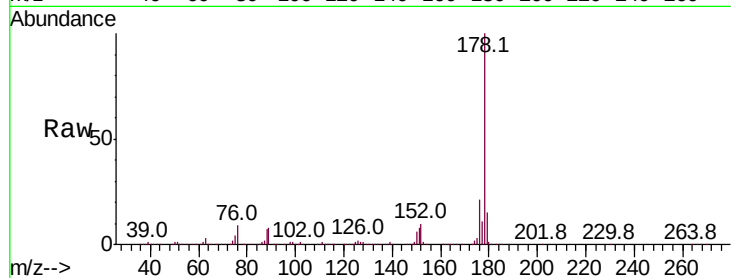
#71
 Phenanthrene
 Concen: 53.683 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

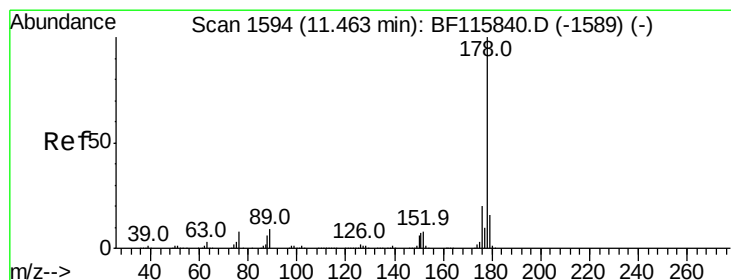
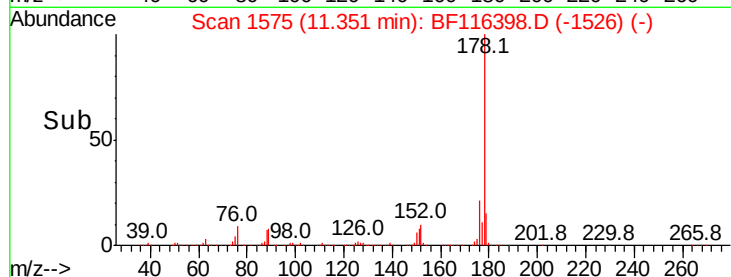
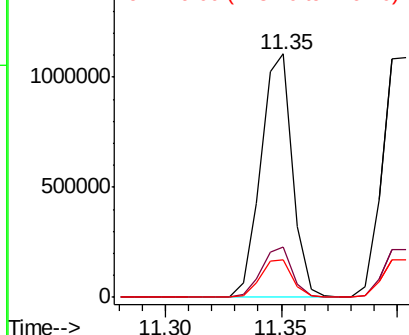
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.6	24.8
179	15.5	12.5	18.7

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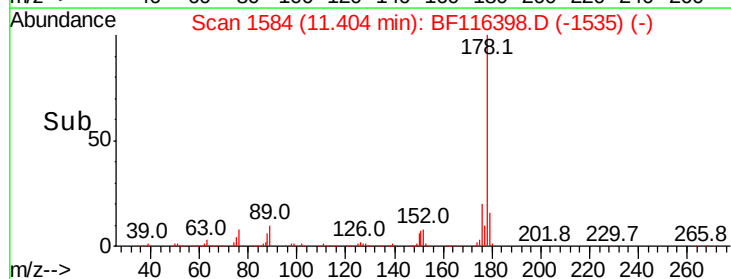
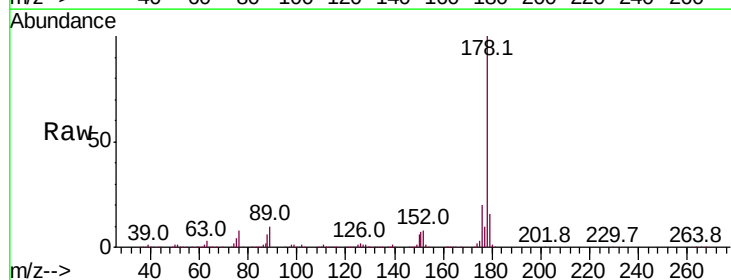
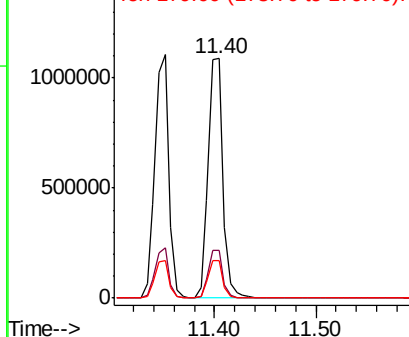
Abundance Ion 178.00 (177.70 to 178.70): E
 1500000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

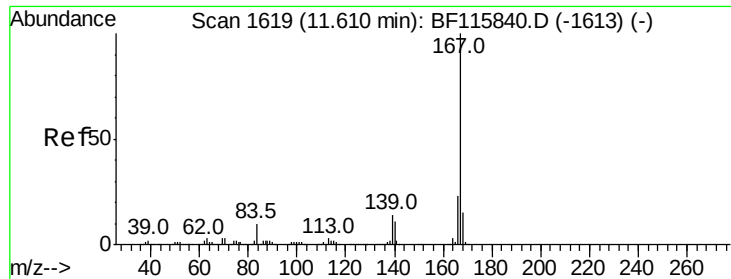


#72
 Anthracene
 Concen: 55.026 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	15.8	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
 1500000 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





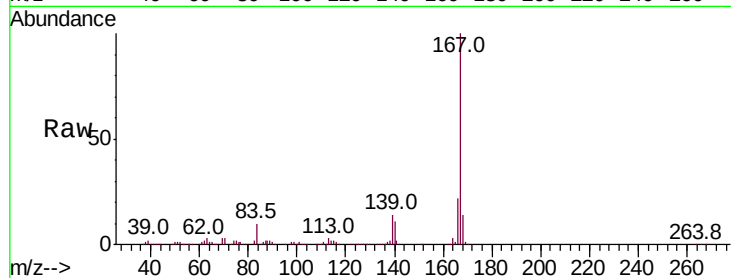
#73
 Carbazole
 Concen: 55.995 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.6
139	14.1	11.4	17.0

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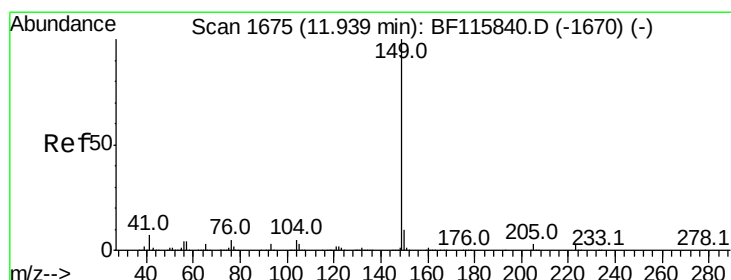
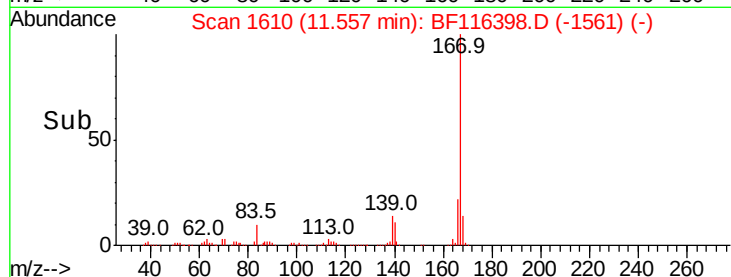
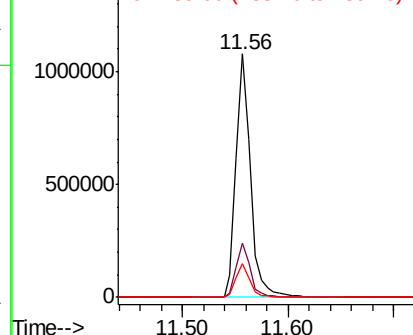


Abundance

Ion 167.00 (166.70 to 167.70): E

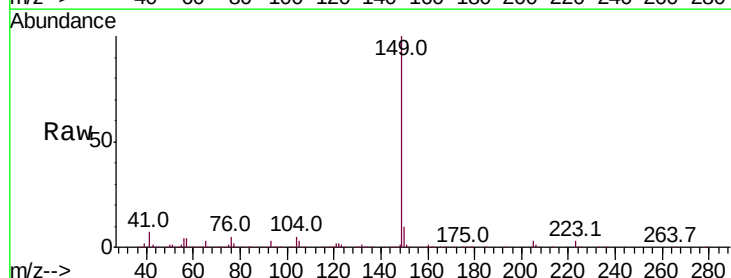
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 57.173 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.8	8.0	12.0
104	5.2	4.5	6.7

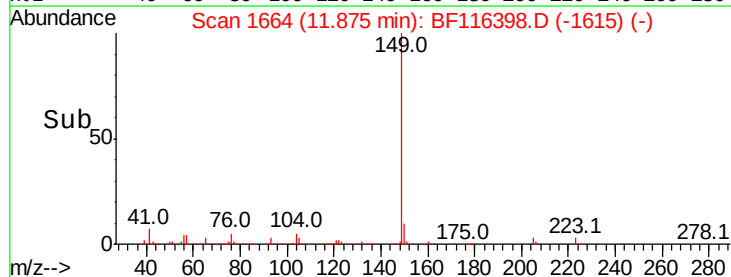
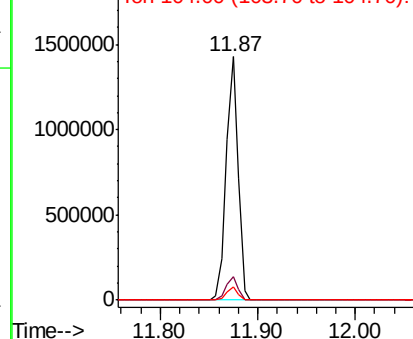


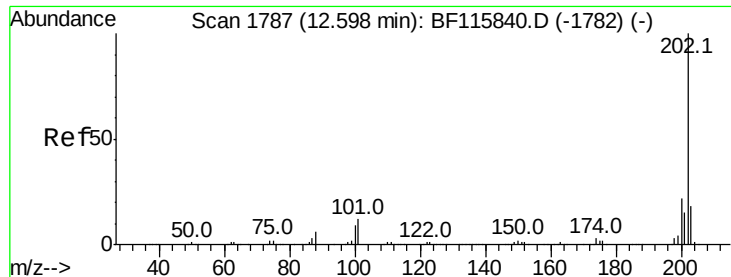
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 57.210 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

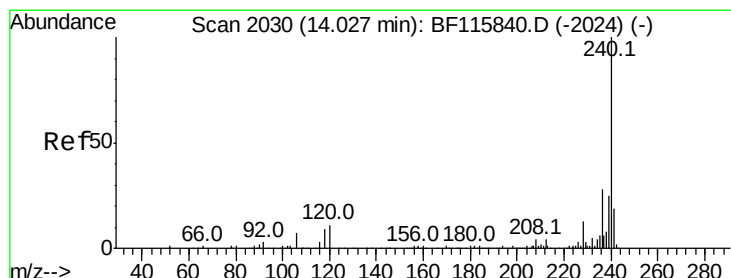
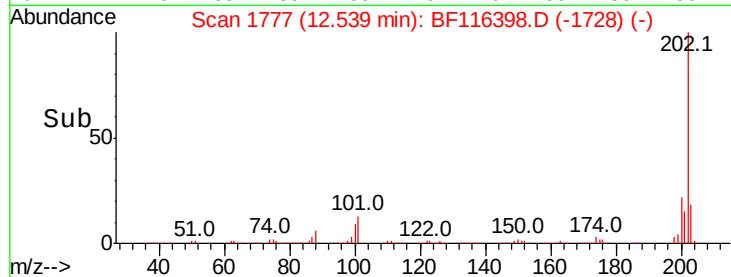
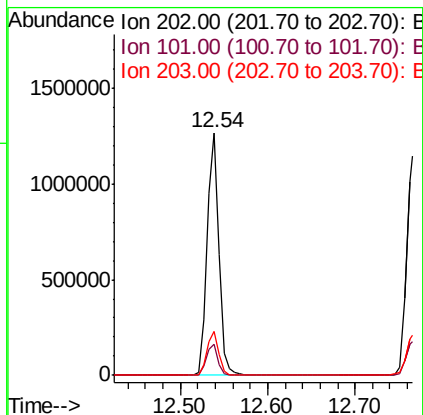
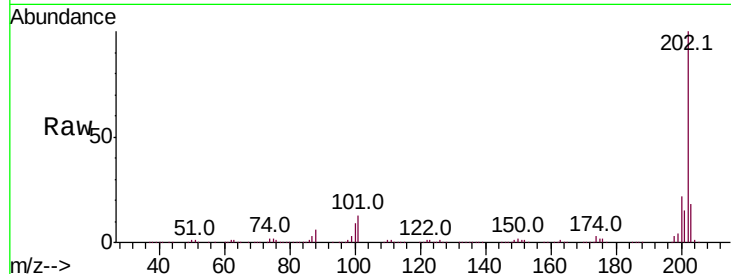
ClientSampleId :

SS-18_081519MSD

Tot Ion:	202	Resp:	1180857
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.2
203	18.0	0.0	37.8

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

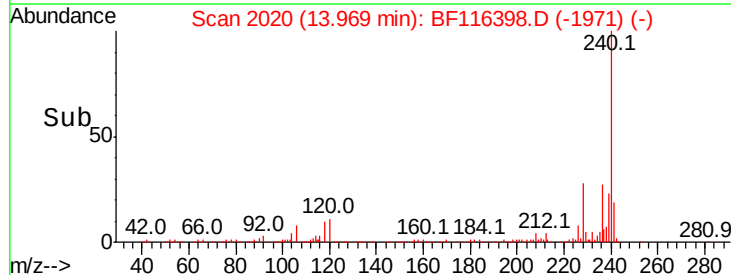
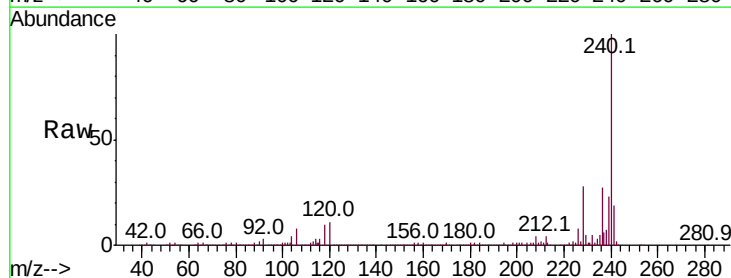
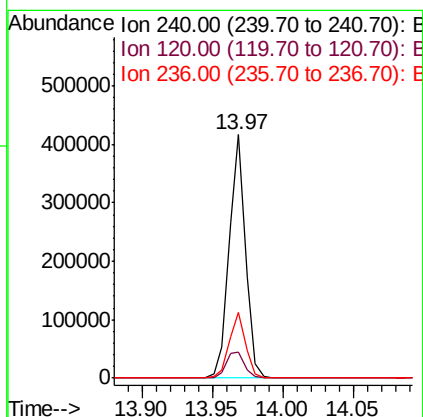
RT: 13.97 min Scan# 2020

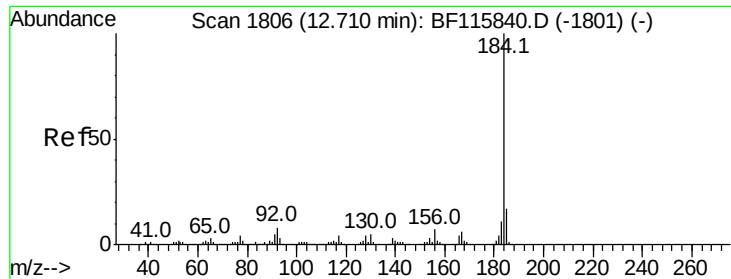
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	240	Resp:	334501
Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.7	16.1
236	27.1	22.2	33.2





#77

Benzidine

Concen: 5.803 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

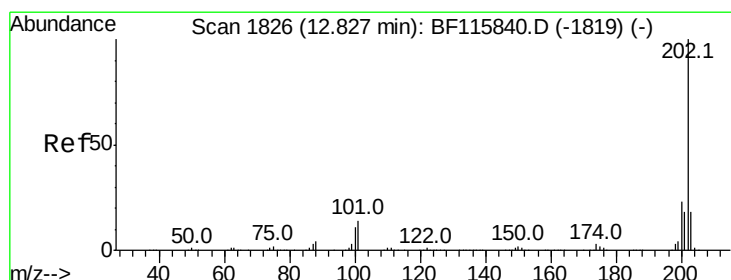
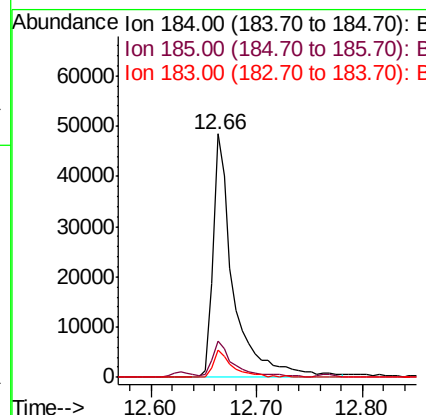
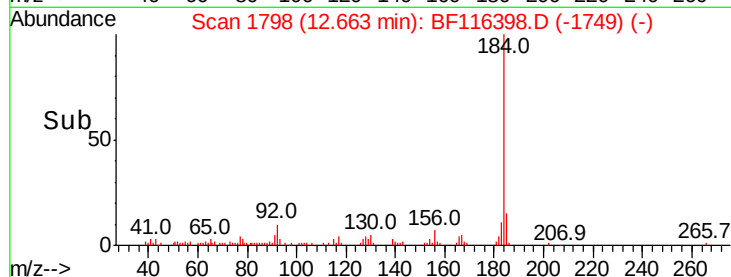
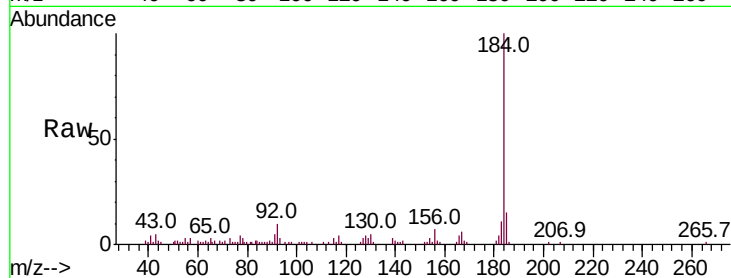
ClientSampleId :

SS-18_081519MSD

Tot Ion:	184	Resp:	65575
Ion Ratio	Lower	Upper	
184	100		
185	15.1	12.8	19.2
183	11.1	9.4	14.0

Manual Integrations
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#78

Pyrene

Concen: 48.264 ng

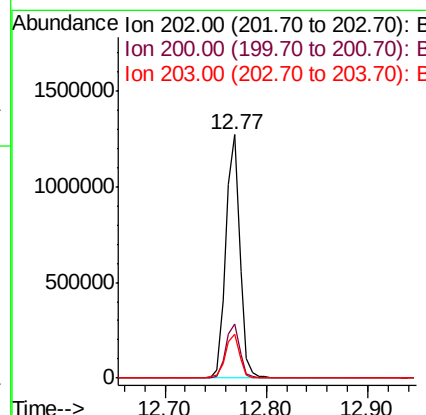
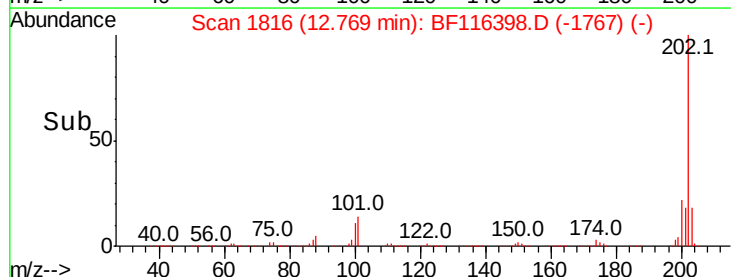
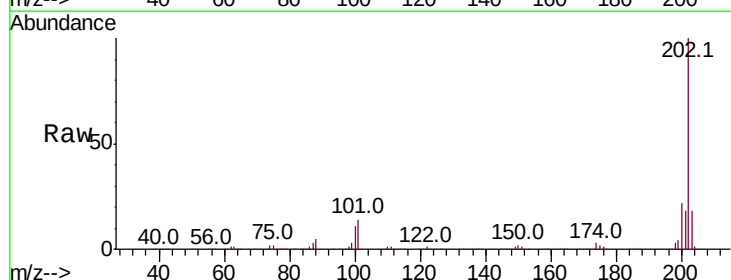
RT: 12.77 min Scan# 1816

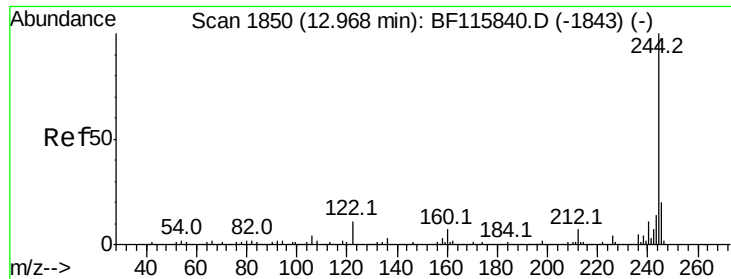
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	202	Resp:	1216997
Ion Ratio	Lower	Upper	
202	100		
200	22.4	18.0	27.0
203	17.9	14.1	21.1





#79

Terphenyl-d14

Concen: 99.526 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

SS-18_081519MSD

Tot Ion:244 Resp: 1579915

Ion Ratio Lower Upper

244 100

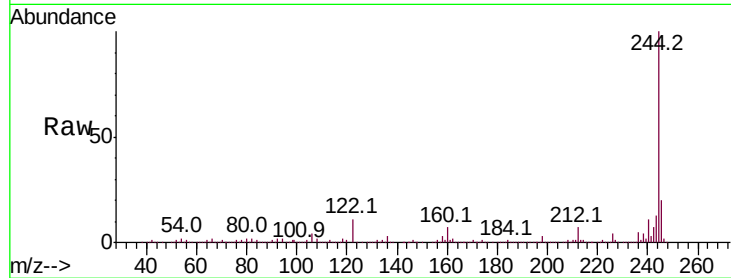
212 7.1 5.8 8.8

122 10.9 9.0 13.4

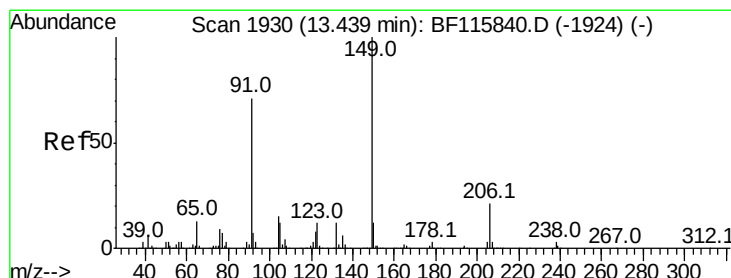
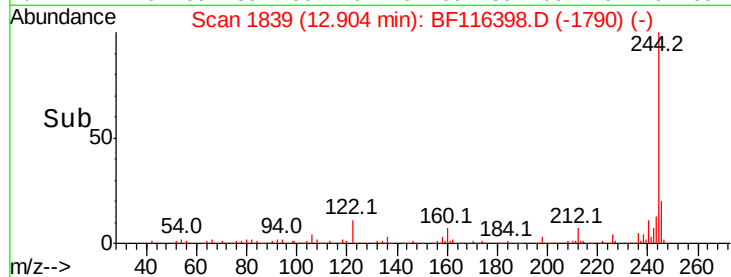
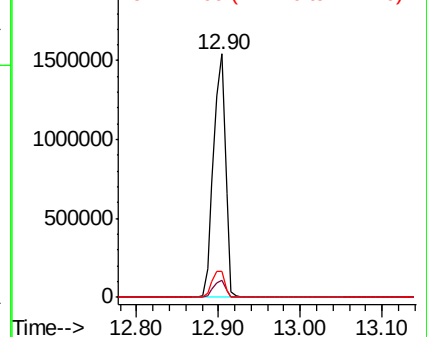
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 52.811 ng

RT: 13.37 min Scan# 1918

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

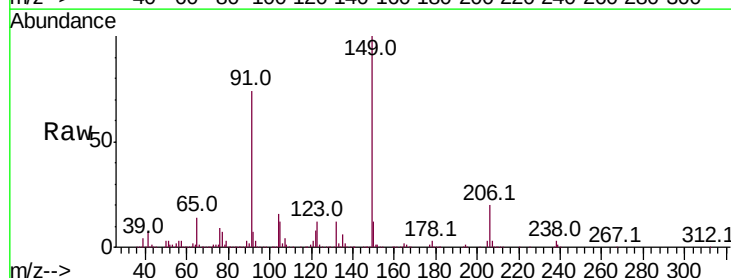
Tgt Ion:149 Resp: 563291

Ion Ratio Lower Upper

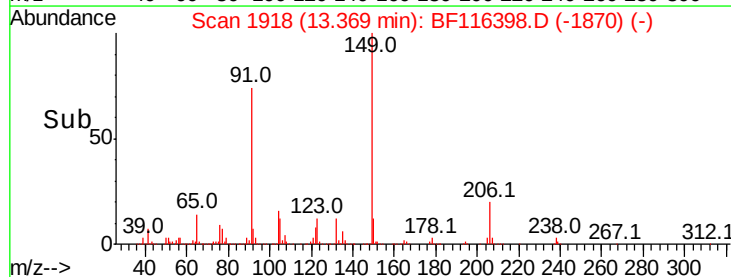
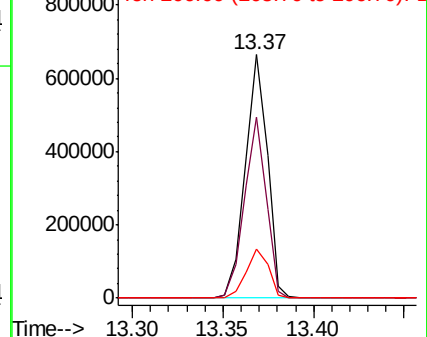
149 100

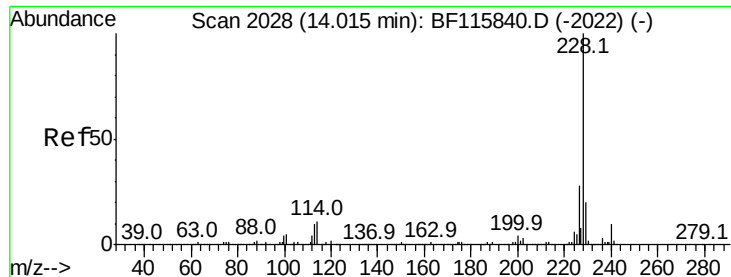
91 74.3 56.3 84.5

206 20.4 18.0 27.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.892 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

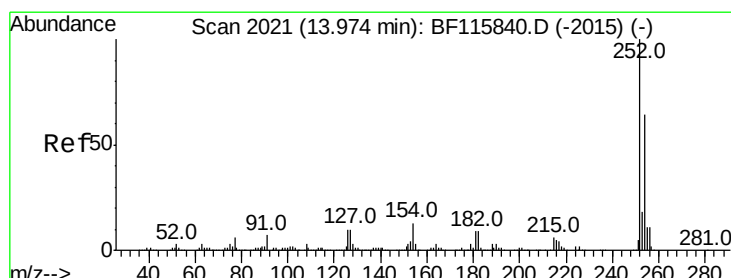
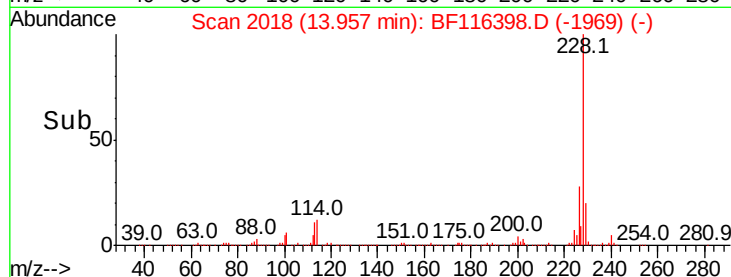
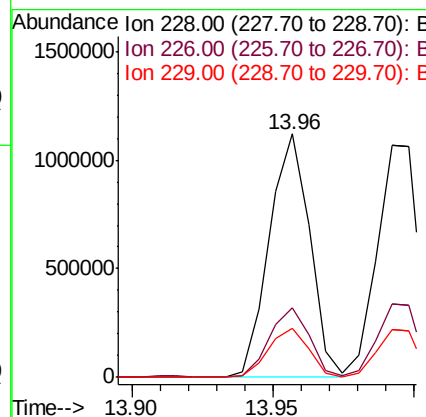
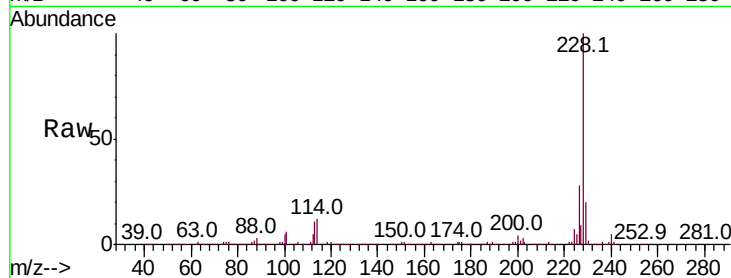
ClientSampleId :

SS-18_081519MSD

Tot Ion:	228	Resp:	1109460
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.7	34.1
229	20.3	16.2	24.4

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 49.586 ng

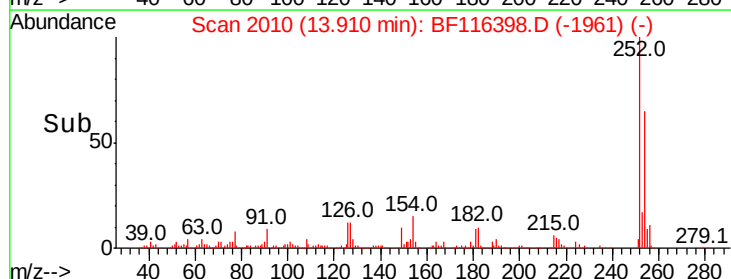
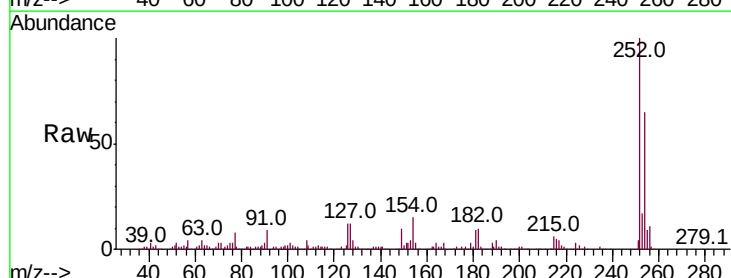
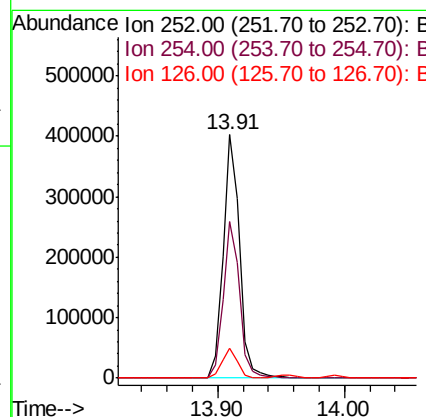
RT: 13.91 min Scan# 2010

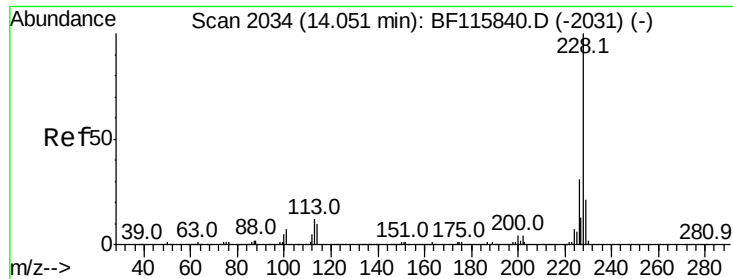
Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	252	Resp:	368315
Ion Ratio	Lower	Upper	
252	100		
254	64.6	50.9	76.3
126	12.4	9.8	14.8





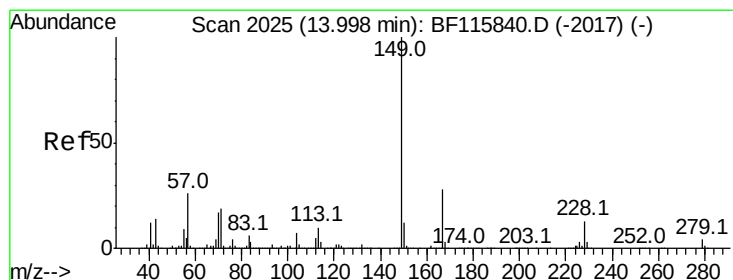
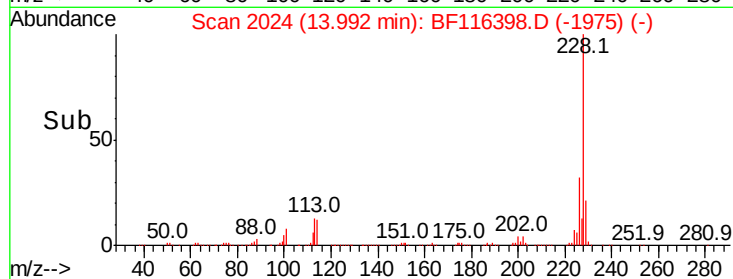
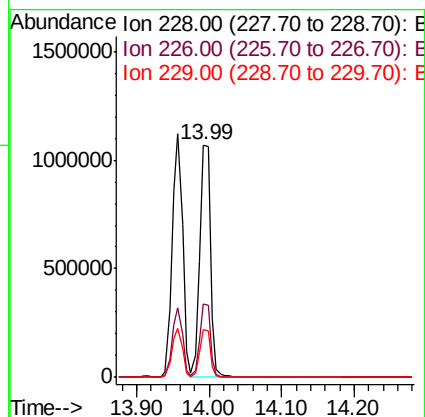
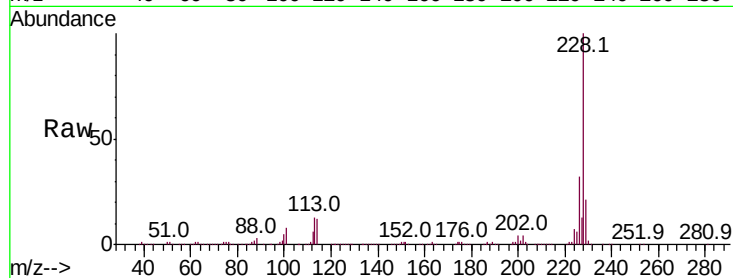
#83
 Chrysene
 Concen: 53.050 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.5	38.3
229	20.6	16.6	24.8

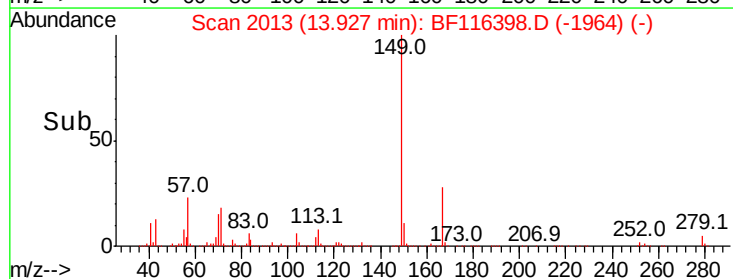
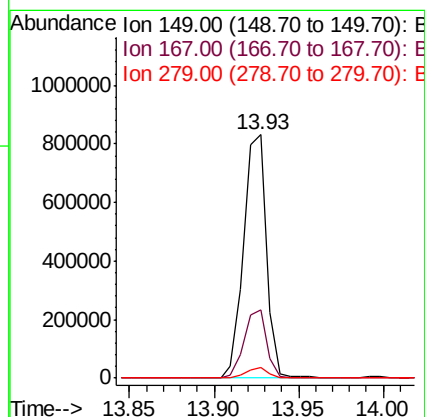
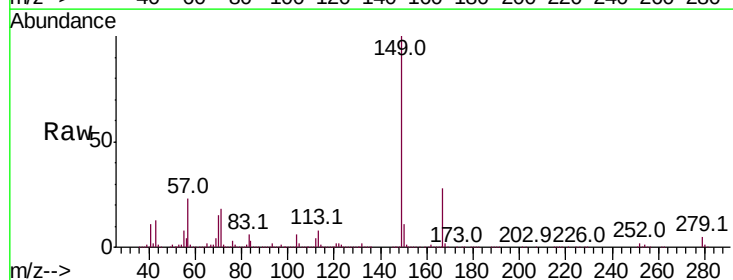
Manual Integrations
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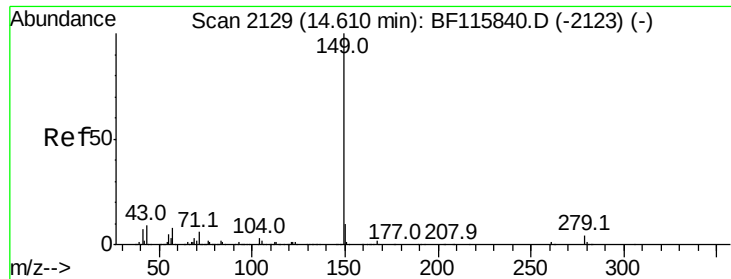
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 56.894 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF116398.D
 Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.6	32.4
279	4.6	3.0	4.4#





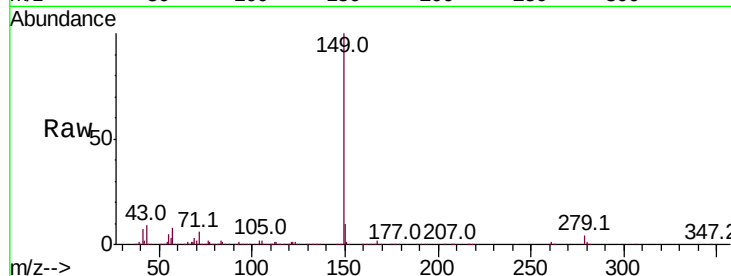
#85
Di-n-octyl phthalate
Concen: 61.637 ng
RT: 14.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.1	7.5	11.3

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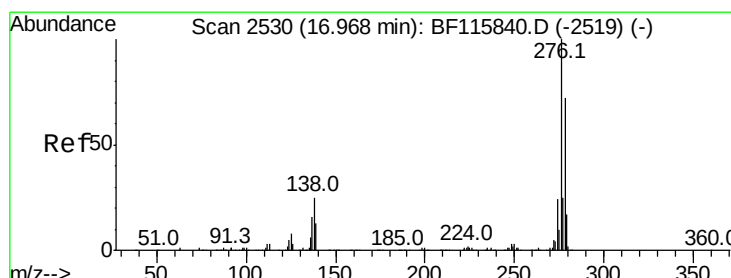
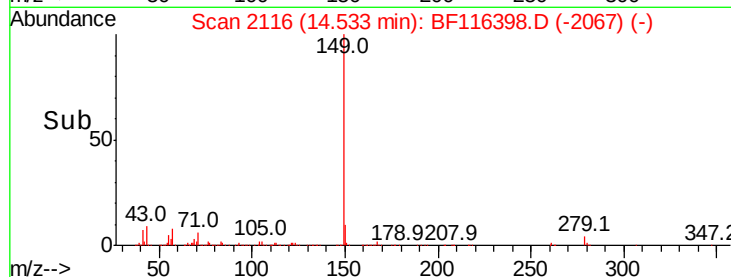
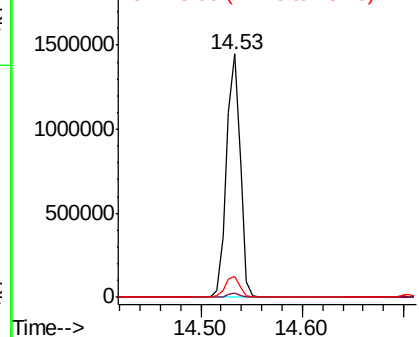


Abundance

Ion 149.00 (148.70 to 149.70): E

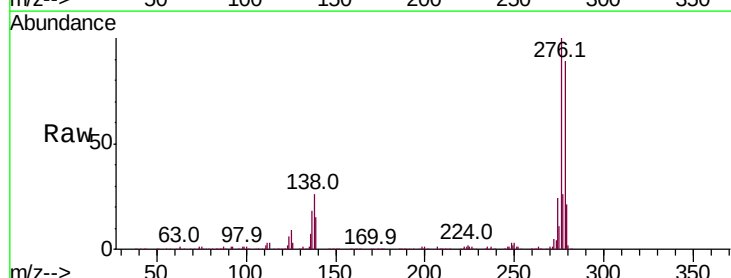
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 63.050 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.4	30.6
277	25.5	20.0	30.0

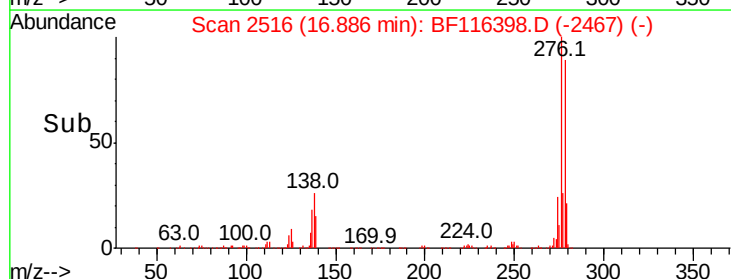
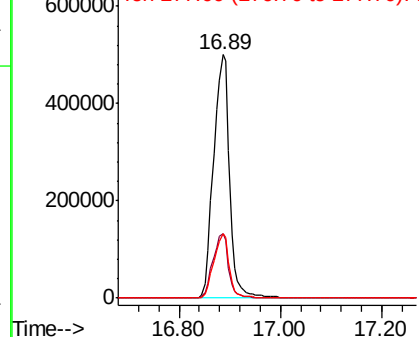


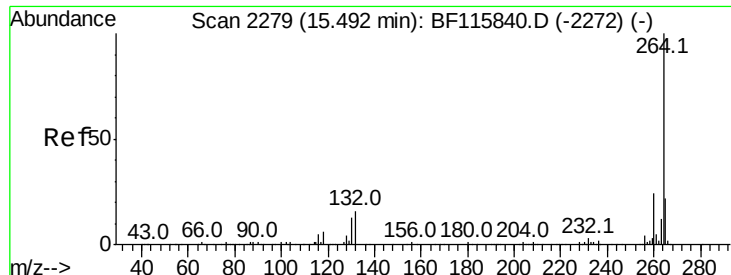
Abundance

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: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Instrument :

BNA_F

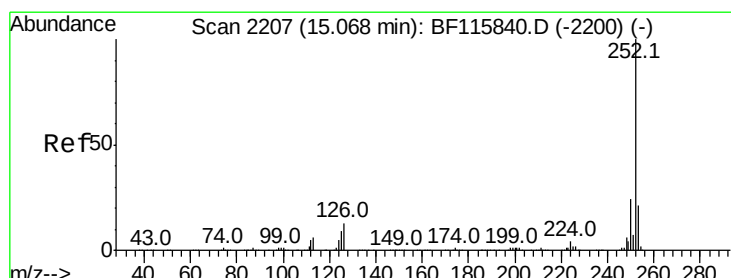
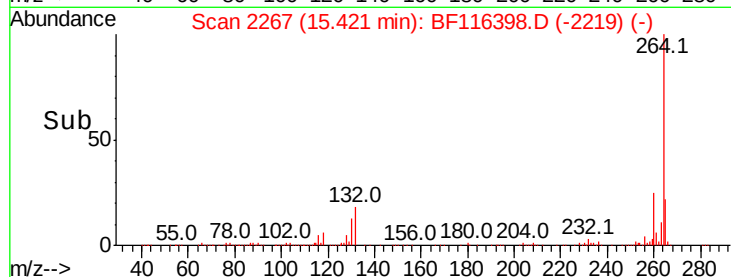
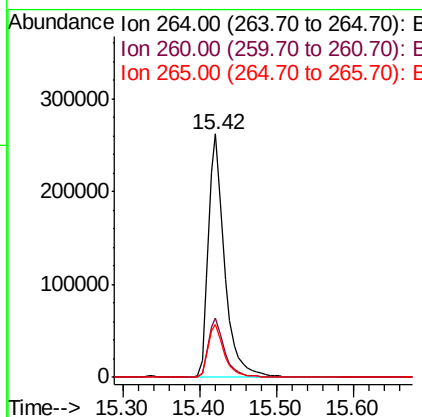
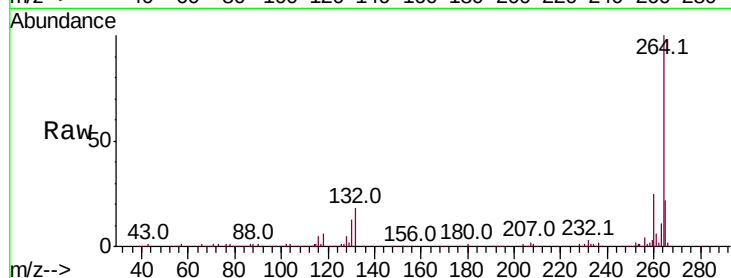
ClientSampleId :

SS-18_081519MSD

Tot Ion:	264	Resp:	378210
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.7	29.5
265	21.9	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 52.181 ng

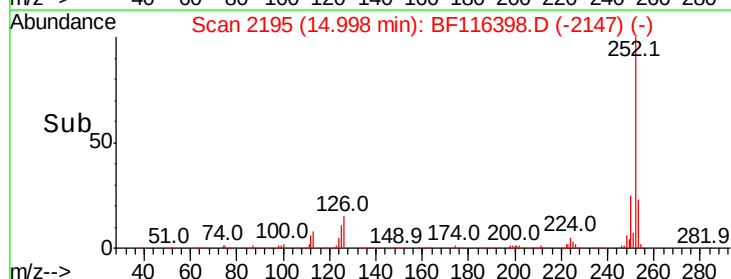
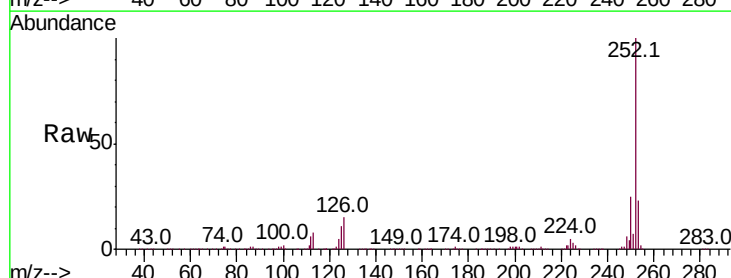
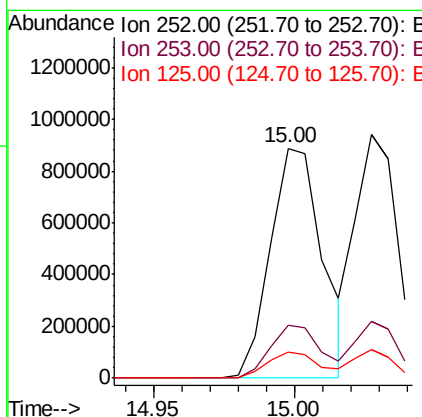
RT: 15.00 min Scan# 2195

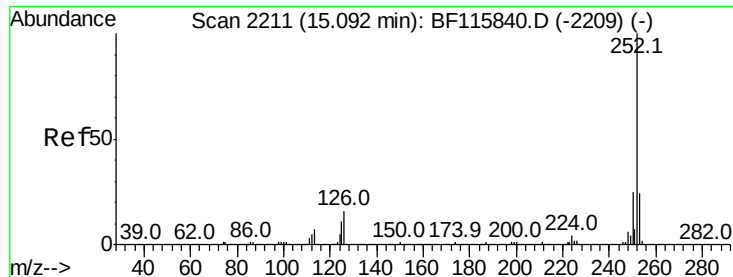
Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion:	252	Resp:	1141128
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.8
125	11.4	8.4	12.6





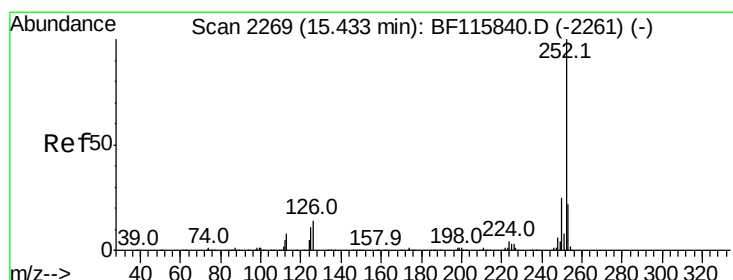
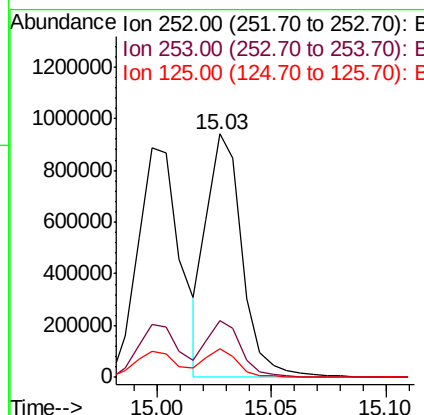
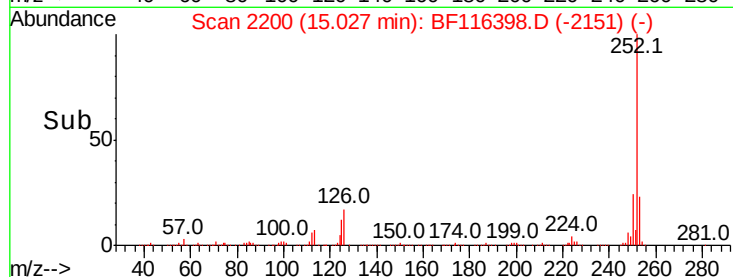
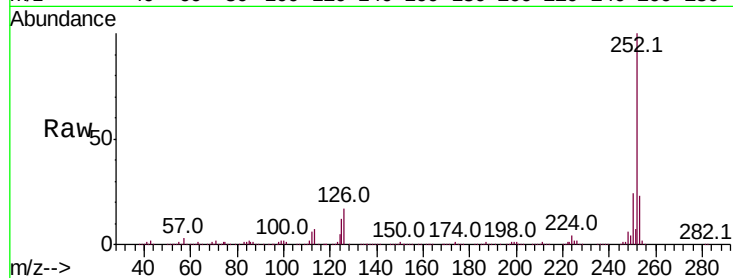
#89
Benzo(k)fluoranthene
Concen: 48.225 ng/mL
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.7	7.7	11.5

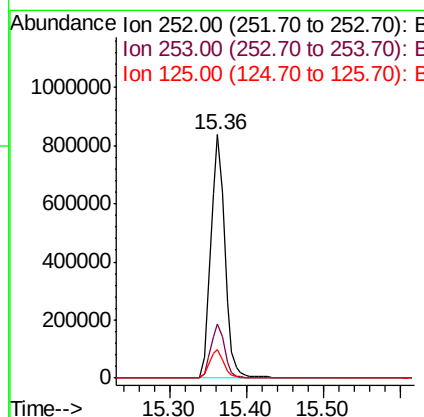
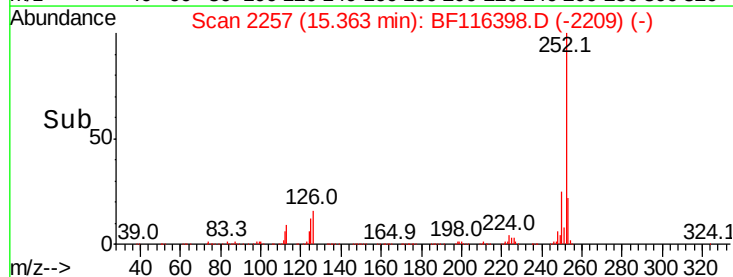
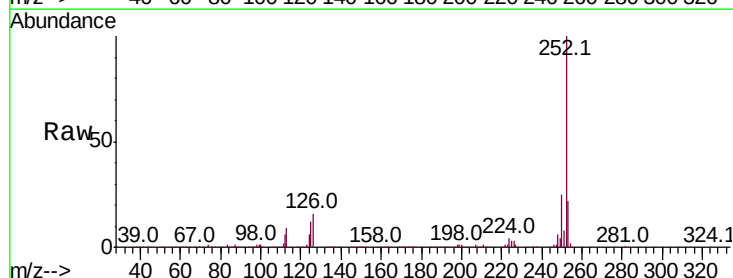
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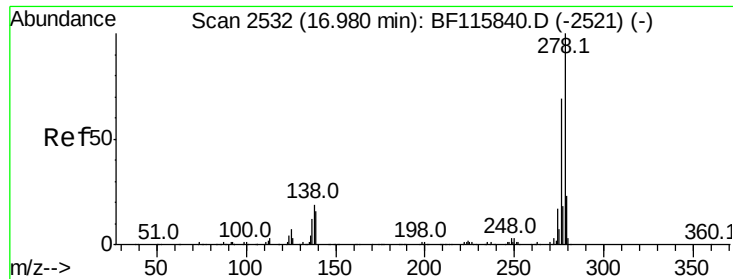
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#90
Benzo(a)pyrene
Concen: 53.652 ng/mL
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116398.D
Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.8	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 54.765 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

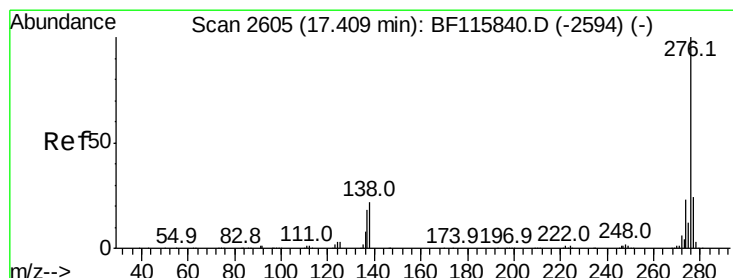
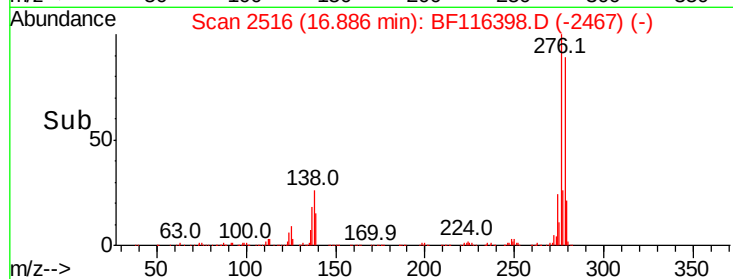
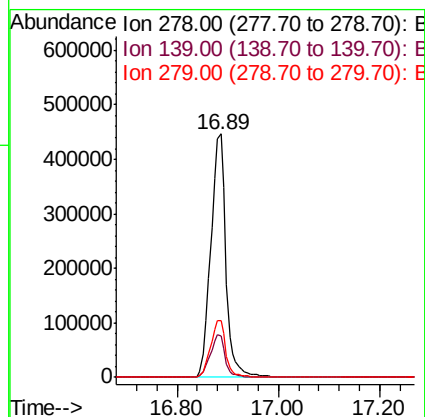
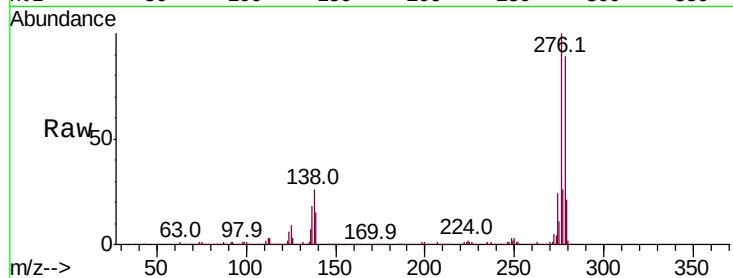
Instrument :
BNA_F

ClientSampleId :
SS-18_081519MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.8	19.2
279	23.5	18.8	28.2

Manual Integrations
APPROVED

mohammad
8/22/2019 12:45:26 PM



#92

Benzo(g,h,i)perylene

Concen: 54.565 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.02 min

Lab File: BF116398.D

Acq: 19 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.4	27.6
138	23.3	17.0	25.6

