

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112772.D
 Acq On : 28 Feb 2019 20:23
 Operator : JU/SJ
 Sample : K1650-11MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5(9-10)MSD

Manual Integrations
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Sohil
 3/1/2019 3:00:15 PM

Quant Time: Mar 01 06:58:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	203764	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	773967	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	351813	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	633906	20.00	ng	0.00
76) Chrysene-d12	13.88	240	389268	20.00	ng	0.00
87) Perylene-d12	15.29	264	471196	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1032146	78.79	ng	0.01
7) Phenol-d6	6.38	99	1340664	81.48	ng	0.01
23) Nitrobenzene-d5	7.30	82	809333	62.57	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	342490	91.70	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1422088	66.50	ng	0.00
79) Terphenyl-d14	12.83	244	1228598	61.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	145184	22.111	ng	99
3) Pyridine	3.18	79	283869	16.159	ng	99
4) n-Nitrosodimethylamine	3.09	42	190133	24.742	ng	94
6) Aniline	6.40	93	577838	25.512	ng	98
8) 2-Chlorophenol	6.53	128	394612	27.062	ng	98
9) Benzaldehyde	6.29	77	185277	15.627	ng	98
10) Phenol	6.39	94	546960	28.485	ng	98
11) bis(2-Chloroethyl)ether	6.48	93	388868	26.385	ng	97
12) 1,3-Dichlorobenzene	6.69	146	418851	27.806	ng	98
13) 1,4-Dichlorobenzene	6.76	146	423785	28.053	ng	99
14) 1,2-Dichlorobenzene	6.92	146	392279	28.327	ng	100
15) Benzyl Alcohol	6.89	79	348518	27.776	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.03	45	632362	25.710	ng	99
17) 2-Methylphenol	7.00	107	321322	27.163	ng	97
18) Hexachloroethane	7.26	117	157370	27.196	ng	92
19) n-Nitroso-di-n-propylamine	7.16	70	270681	25.974	ng	97
20) 3+4-Methylphenols	7.15	107	383221	28.694	ng	91
22) Acetophenone	7.15	105	524456	28.980	ng	# 98
24) Nitrobenzene	7.32	77	422865	29.374	ng	100
25) Isophorone	7.56	82	757323	27.178	ng	99
26) 2-Nitrophenol	7.64	139	205644	34.316	ng	96
27) 2,4-Dimethylphenol	7.68	122	339480	30.450	ng	99
28) bis(2-Chloroethoxy)methane	7.77	93	492138	28.249	ng	99
29) 2,4-Dichlorophenol	7.88	162	323293	29.902	ng	98
30) 1,2,4-Trichlorobenzene	7.97	180	351952	30.296	ng	98
31) Naphthalene	8.05	128	1132228	29.465	ng	99
32) Benzoic acid	7.73	122	16245	2.079	ng	86
33) 4-Chloroaniline	8.09	127	442674	27.199	ng	98
34) Hexachlorobutadiene	8.17	225	202539	30.915	ng	98
35) Caprolactam	8.45	113	76894m	20.193	ng	
36) 4-Chloro-3-methylphenol	8.57	107	335398	28.031	ng	97
37) 2-Methylnaphthalene	8.74	142	749384	30.199	ng	99
38) 1-Methylnaphthalene	8.83	142	706506	29.391	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	317124	30.911	ng	99

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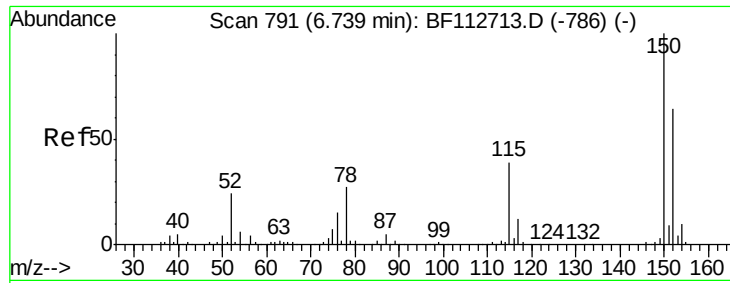
Manual Integrations
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 3/1/2019 3:00:15 PM

Quant Time: Mar 01 06:58:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.90	237	383694	68.298	nq	99
43) 2,4,6-Trichlorophenol	9.01	196	232639	32.948	nq	97
44) 2,4,5-Trichlorophenol	9.05	196	235481	30.855	nq	97
46) 1,1'-Biphenyl	9.20	154	891726	31.075	nq	99
47) 2-Chloronaphthalene	9.22	162	685187	30.580	nq	99
48) 2-Nitroaniline	9.31	65	211100	30.996	nq	97
49) Acenaphthylene	9.63	152	1106609	29.092	nq	99
50) Dimethylphthalate	9.50	163	873117	33.658	nq	100
51) 2,6-Dinitrotoluene	9.56	165	172428	31.920	nq #	81
52) Acenaphthene	9.81	154	669681	30.105	nq	99
53) 3-Nitroaniline	9.72	138	184117	27.971	nq	98
54) 2,4-Dinitrophenol	9.83	184	83692	41.274	nq	96
55) Dibenzofuran	9.98	168	958093	29.634	nq	96
56) 4-Nitrophenol	9.88	139	257869	48.203	nq	95
57) 2,4-Dinitrotoluene	9.96	165	222456	33.129	nq #	85
58) Fluorene	10.32	166	683828	29.801	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	194593	30.604	nq	96
60) Diethylphthalate	10.20	149	777139	28.365	nq	99
61) 4-Chlorophenyl-phenylether	10.32	204	339717	31.820	nq	94
62) 4-Nitroaniline	10.33	138	157633	25.916	nq	96
63) Azobenzene	10.47	77	753031	26.834	nq	95
65) 4,6-Dinitro-2-methylphenol	10.36	198	77349	31.456	nq	84
66) n-Nitrosodiphenylamine	10.43	169	636642	31.315	nq	100
67) 4-Bromophenyl-phenylether	10.80	248	215831	32.325	nq	99
68) Hexachlorobenzene	10.87	284	248317	32.992	nq	95
69) Atrazine	10.96	200	172491	27.703	nq	98
70) Pentachlorophenol	11.06	266	232987	52.593	nq	98
71) Phenanthrene	11.27	178	986272	31.271	nq	99
72) Anthracene	11.33	178	1010835	30.618	nq	99
73) Carbazole	11.48	167	856821	26.604	nq	99
74) Di-n-butylphthalate	11.82	149	1132834	29.335	nq	99
75) Fluoranthene	12.46	202	960815	28.434	nq	97
77) Benzidine	12.58	184	445461	22.057	nq	98
78) Pyrene	12.69	202	947284	28.866	nq	98
80) Butylbenzylphthalate	13.31	149	415918	28.713	nq	94
81) Benzo(a)anthracene	13.87	228	772254	28.624	nq	99
82) 3,3'-Dichlorobenzidine	13.83	252	304051	29.799	nq	99
83) Chrysene	13.90	228	750496	28.399	nq	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	514139	30.261	nq	99
85) Di-n-octyl phthalate	14.48	149	941197	32.261	nq	97
86) Indeno(1,2,3-cd)pyrene	16.65	276	1031707	45.794	nq	97
88) Benzo(b)fluoranthene	14.89	252	803803	26.373	nq	98
89) Benzo(k)fluoranthene	14.92	252	792594	28.710	nq	97
90) Benzo(a)pyrene	15.23	252	801548	29.733	nq	99
91) Dibenzo(a,h)anthracene	16.67	278	858038	37.299	nq	99
92) Benzo(g,h,i)perylene	17.06	276	883141	38.232	nq	97

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



#1

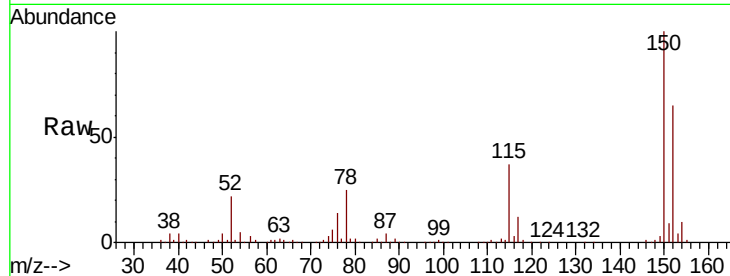
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.2
115	57.6	48.2	72.4

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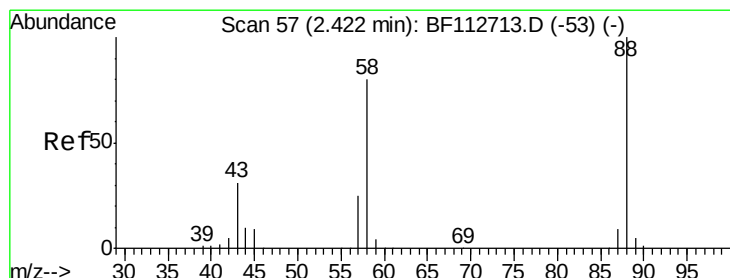
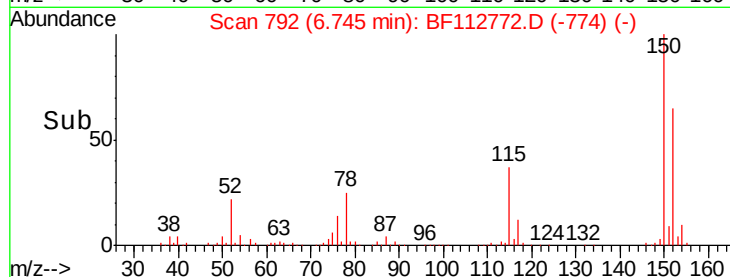
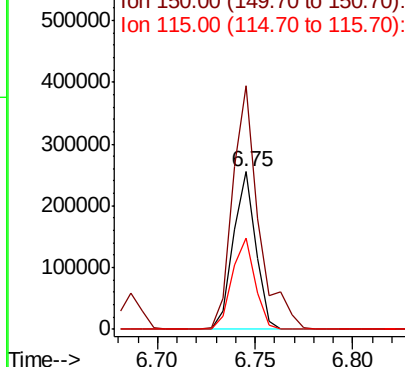


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

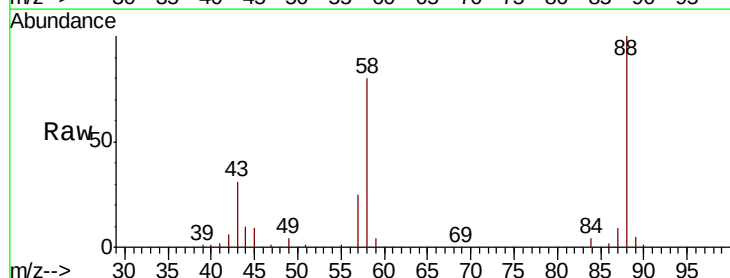
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 22.111 ng
RT: 2.45 min Scan# 62
Delta R.T. 0.03 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	79.3	63.1	94.7
43	29.1	24.3	36.5

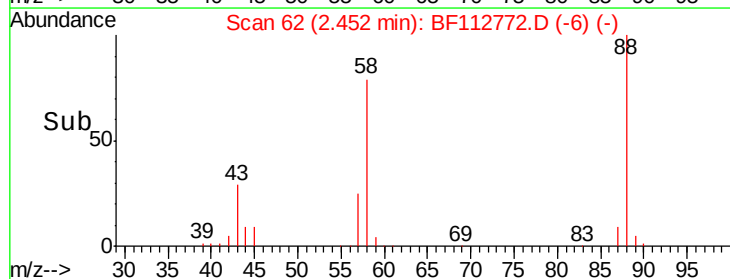
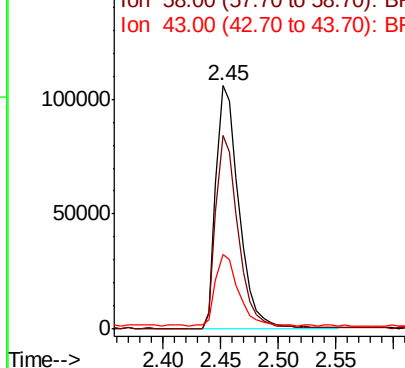


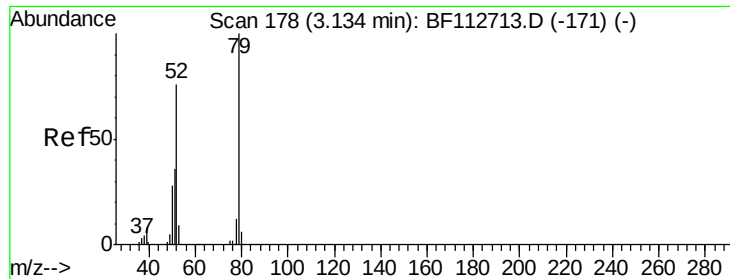
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 16.159 ng

RT: 3.18 min Scan# 186

Delta R.T. 0.05 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

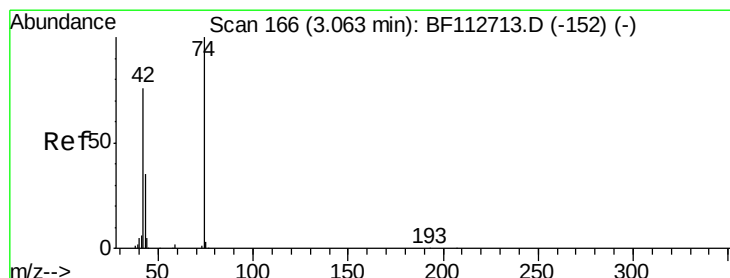
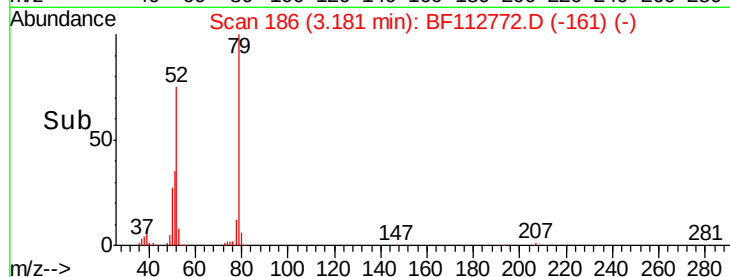
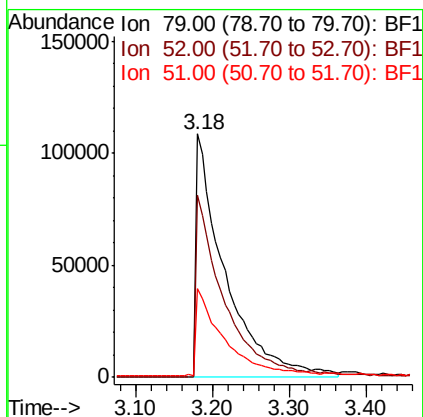
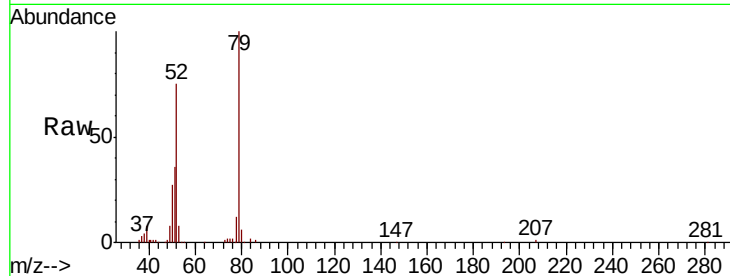
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	79	Resp:	283869
Ion Ratio	Lower	Upper	
79	100		
52	74.8	60.5	90.7
51	36.3	28.8	43.2

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#4

n-Nitrosodimethylamine

Concen: 24.742 ng

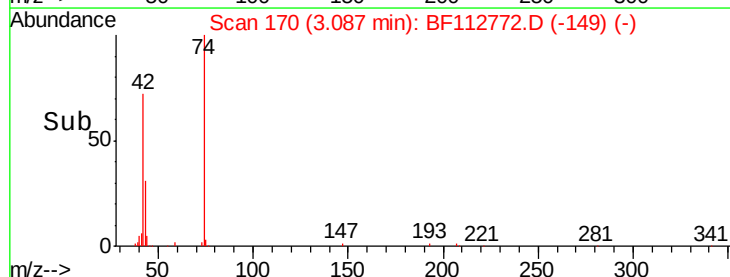
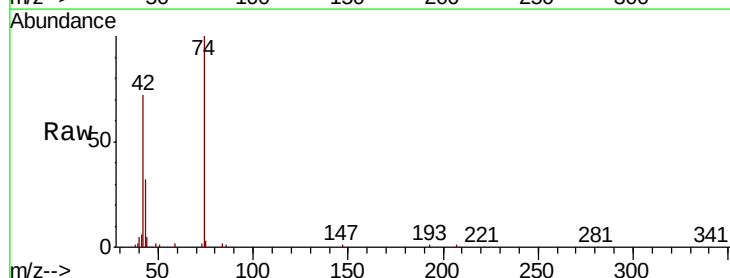
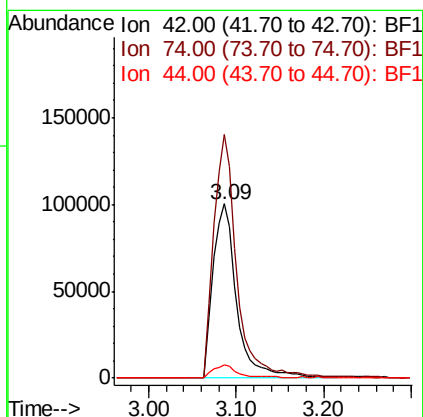
RT: 3.09 min Scan# 170

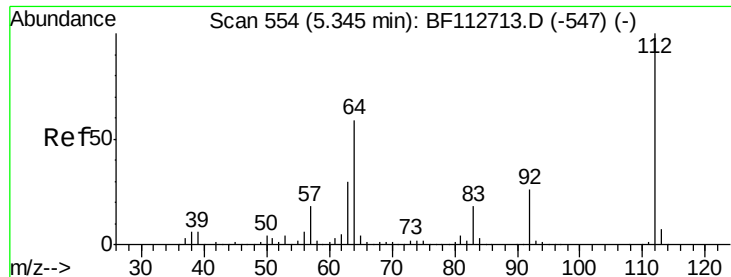
Delta R.T. 0.02 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	42	Resp:	190133
Ion Ratio	Lower	Upper	
42	100		
74	139.6	105.8	158.8
44	7.3	6.2	9.2





#5

2-Fluorophenol

Concen: 78.795 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

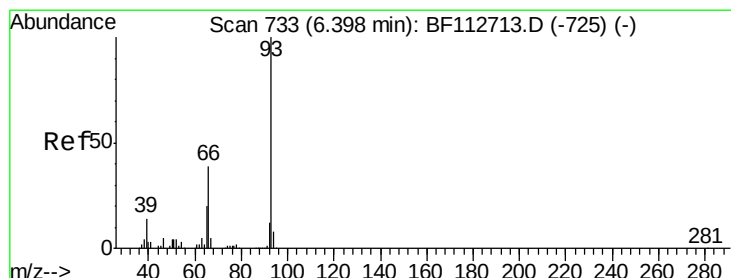
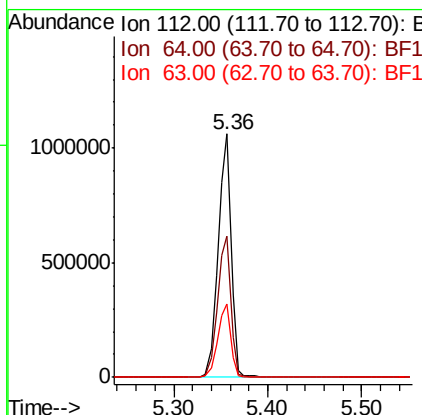
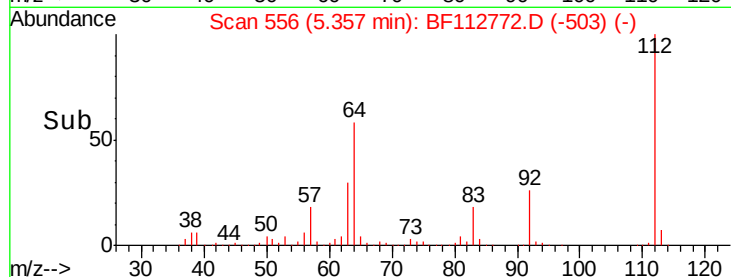
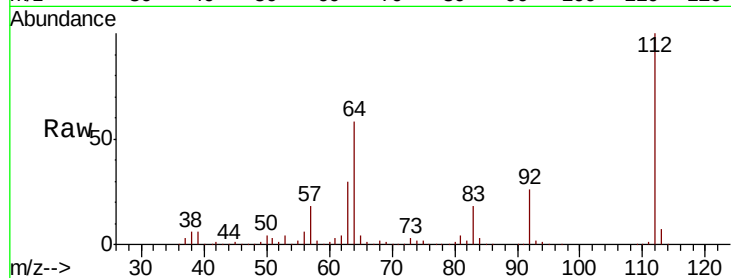
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	112	Resp:	1032146
Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.6	71.4
63	29.9	24.4	36.6

Manual Integrations
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#6

Aniline

Concen: 25.512 ng

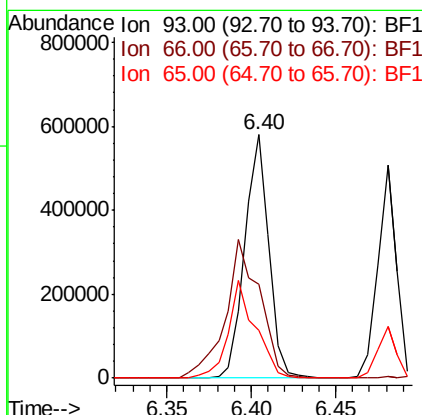
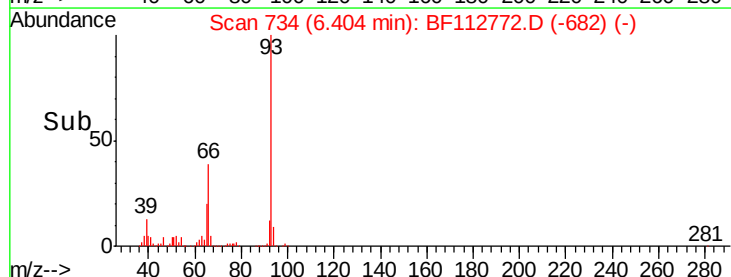
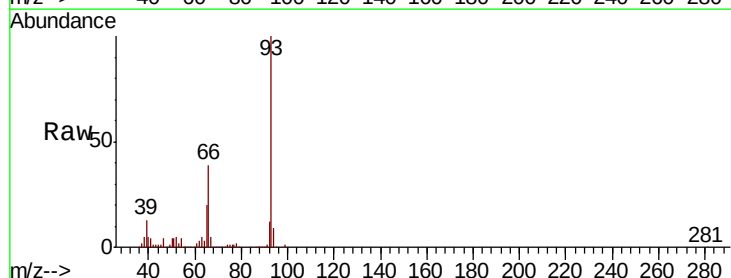
RT: 6.40 min Scan# 734

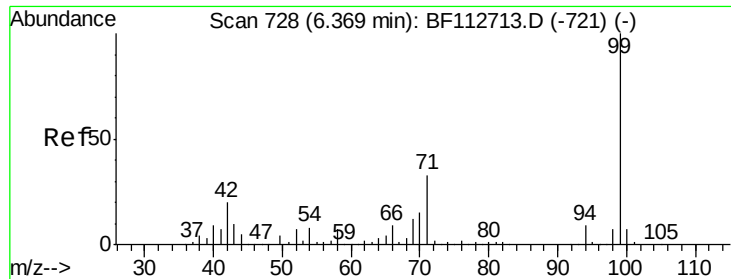
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	93	Resp:	577838
Ion	Ratio	Lower	Upper
93	100		
66	38.8	32.2	48.2
65	19.7	16.2	24.4





#7

Phenol-d6

Concen: 81.476 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

ClientSampled :

B-5(9-10)MSD

Tot Ion: 99 Resp: 1340664

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

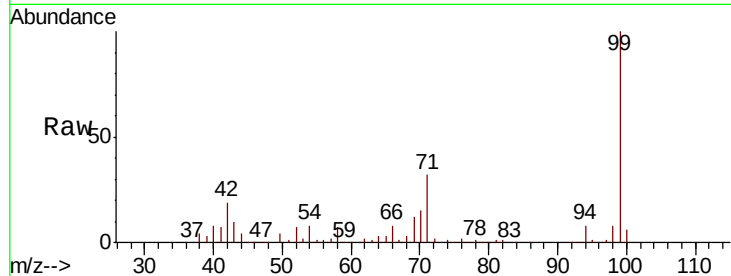
71 32.4 26.2 39.4

Manual Integrations

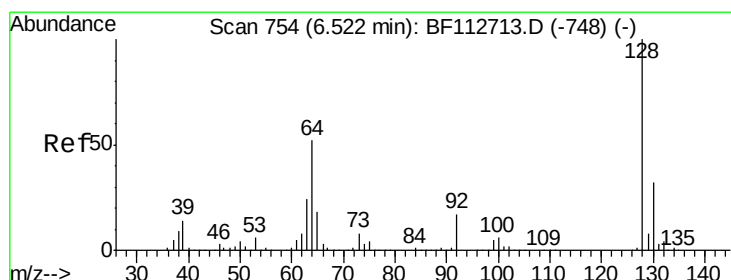
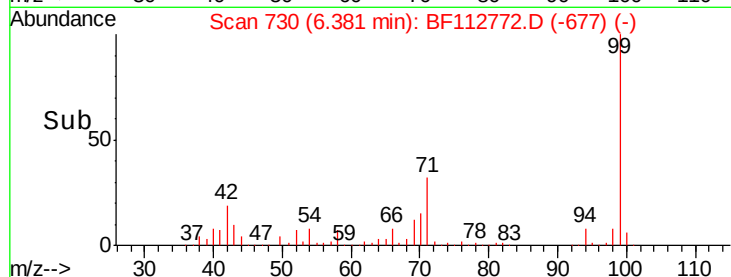
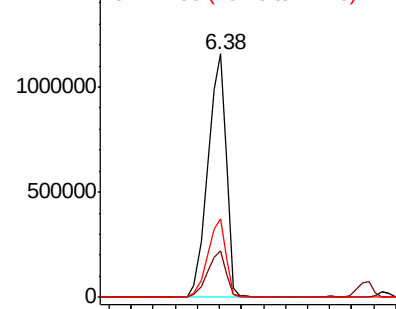
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 27.062 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

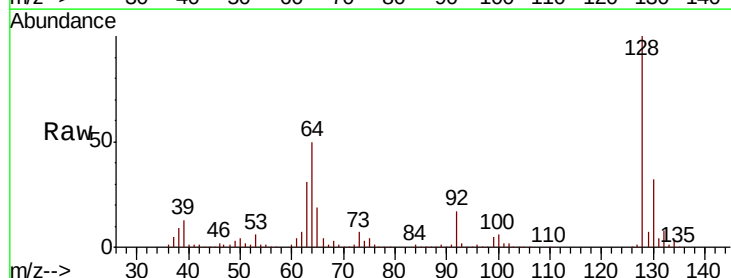
Tgt Ion:128 Resp: 394612

Ion Ratio Lower Upper

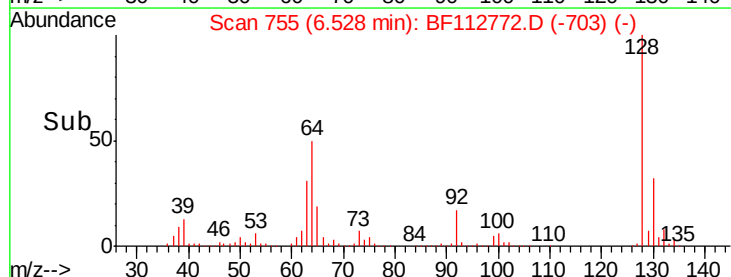
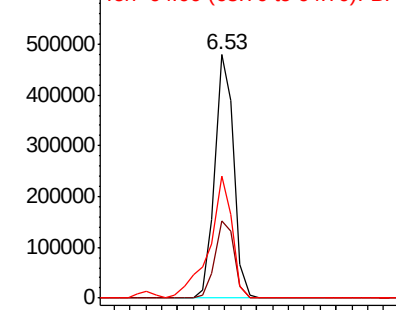
128 100

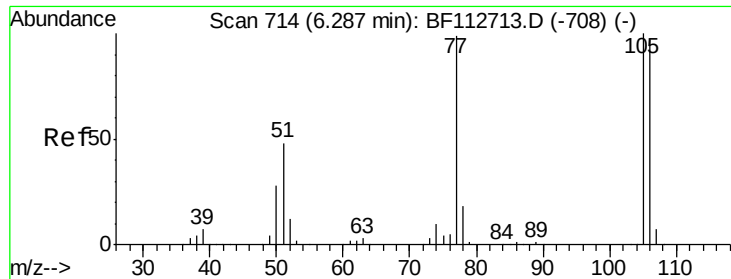
130 32.0 12.4 52.4

64 50.3 32.2 72.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 15.627 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

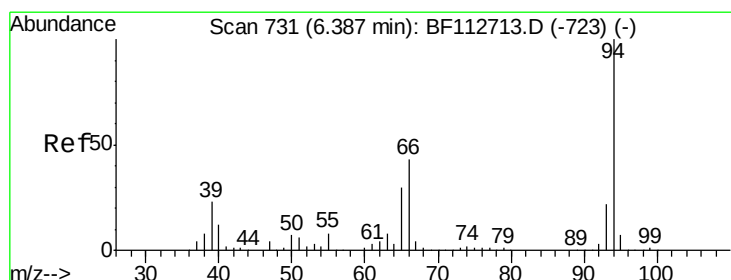
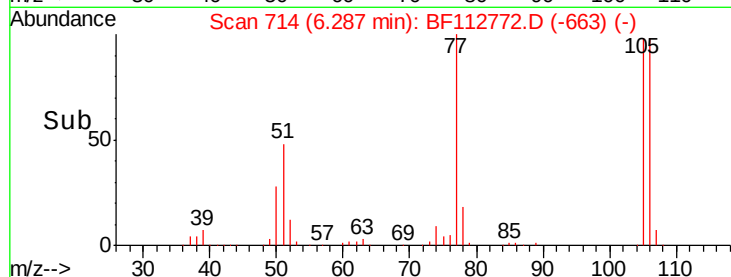
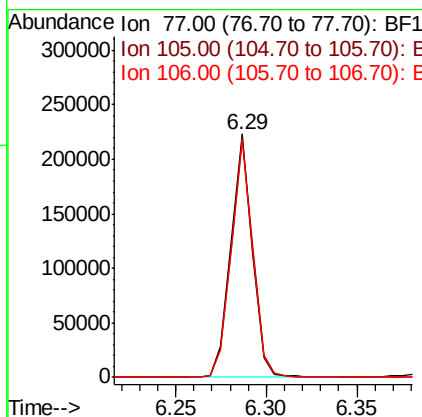
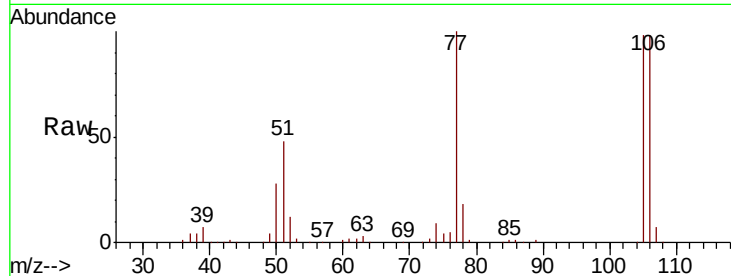
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	77	Resp:	185277
Ion Ratio	Lower	Upper	
77	100		
105	98.3	81.4	121.4
106	97.6	78.3	118.3

Manual Integrations
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#10

Phenol

Concen: 28.485 ng

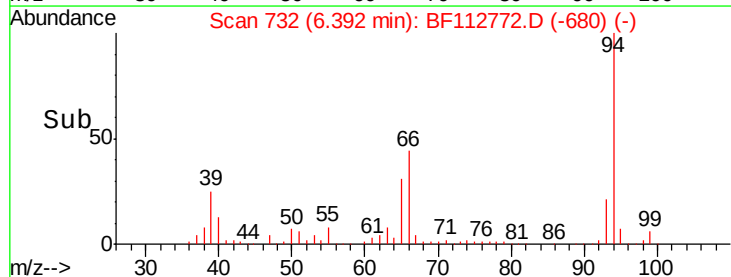
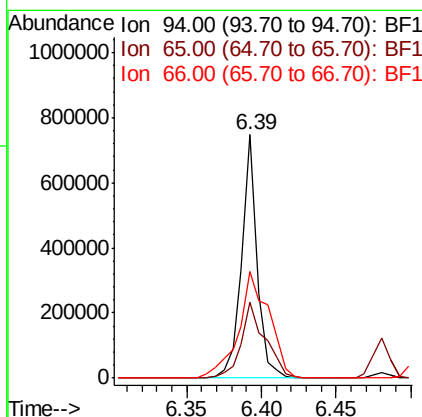
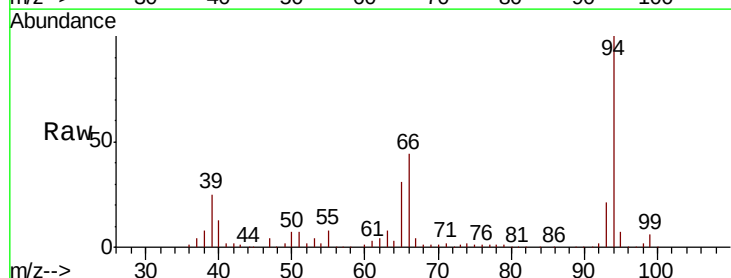
RT: 6.39 min Scan# 732

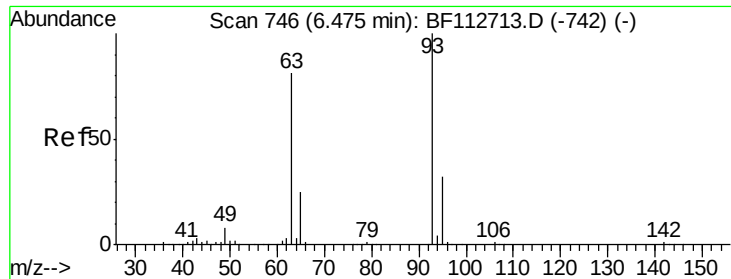
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	94	Resp:	546960
Ion Ratio	Lower	Upper	
94	100		
65	31.1	10.5	50.5
66	44.0	22.6	62.6





#11

bis(2-Chloroethyl)ether

Concen: 26.385 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

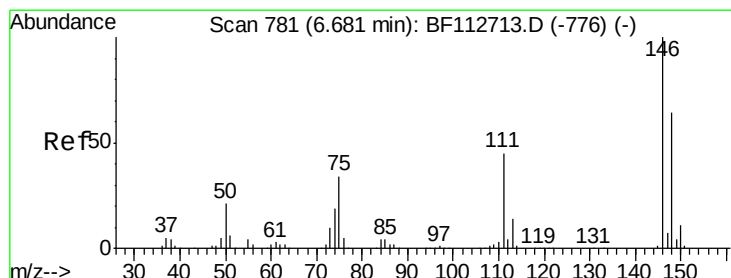
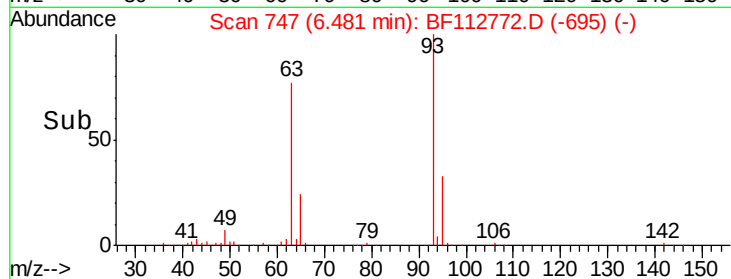
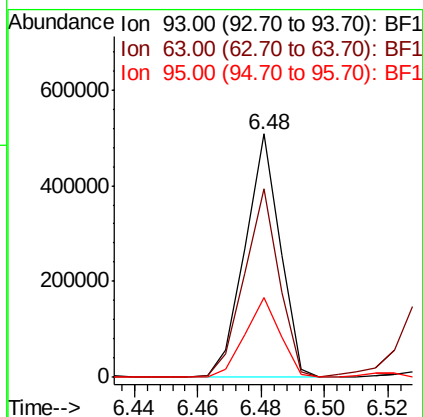
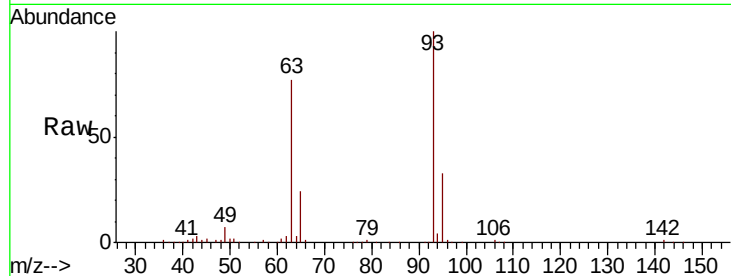
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	93	Resp:	388868
Ion Ratio	Lower	Upper	
93	100		
63	77.3	60.5	100.5
95	32.8	12.1	52.1

Manual Integrations
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3/1/2019 3:00:15 PM



#12

1,3-Dichlorobenzene

Concen: 27.806 ng

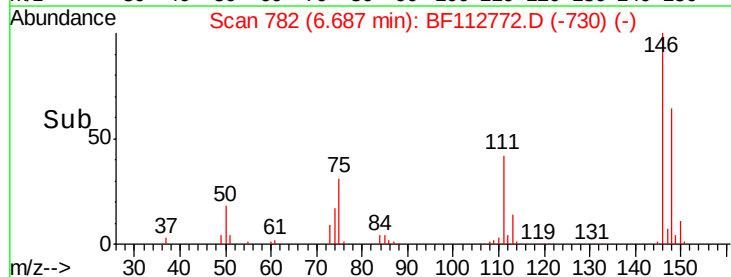
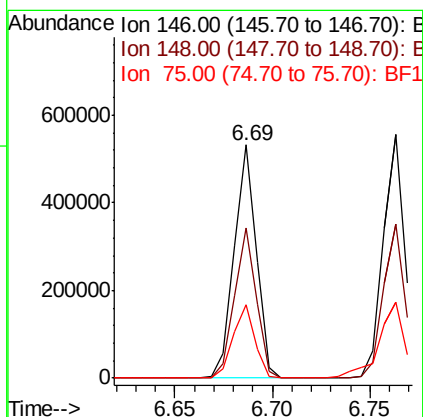
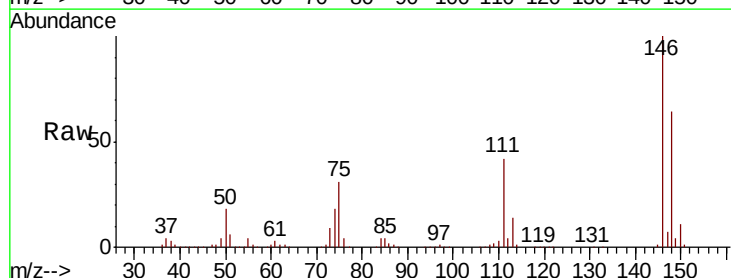
RT: 6.69 min Scan# 782

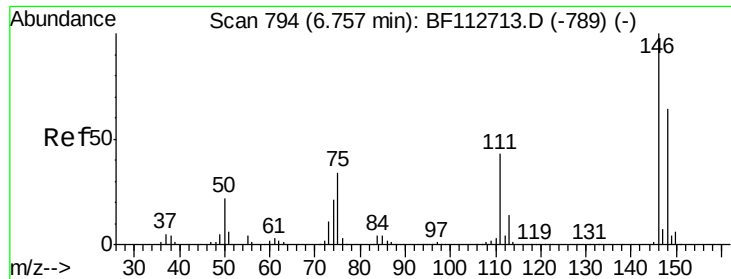
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	146	Resp:	418851
Ion Ratio	Lower	Upper	
146	100		
148	64.5	50.9	76.3
75	31.3	26.9	40.3





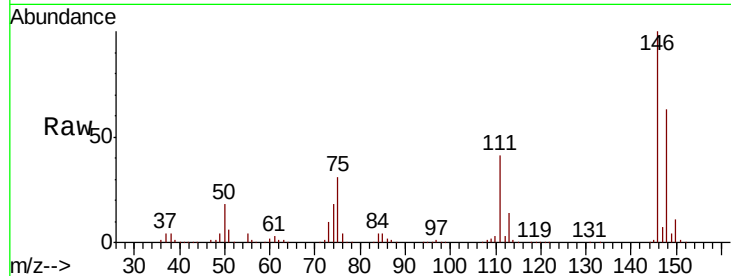
#13
 1,4-Dichlorobenzene
 Concen: 28.053 ng
 RT: 6.76 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	41.4	34.5	51.7

Manual Integrations
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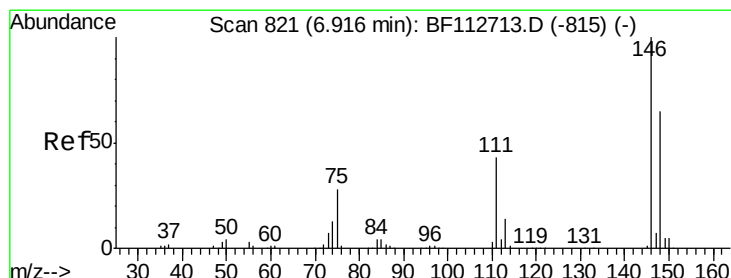
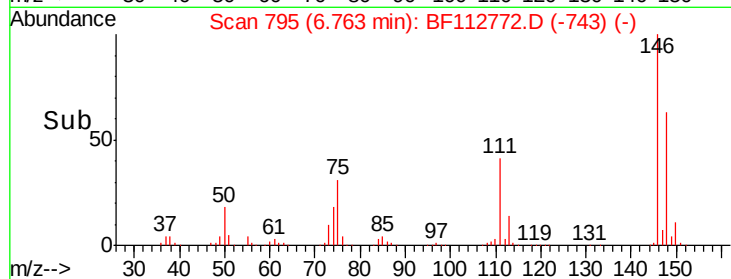
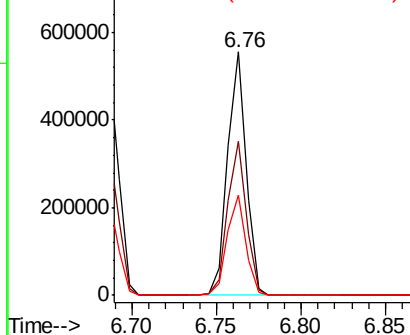


Abundance

Ion 146.00 (145.70 to 146.70): E

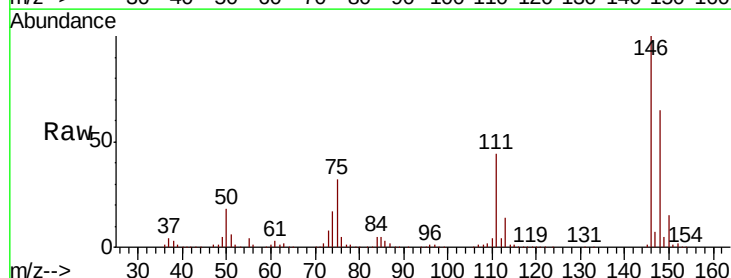
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 28.327 ng
 RT: 6.92 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.0	78.0
111	43.9	34.8	52.2

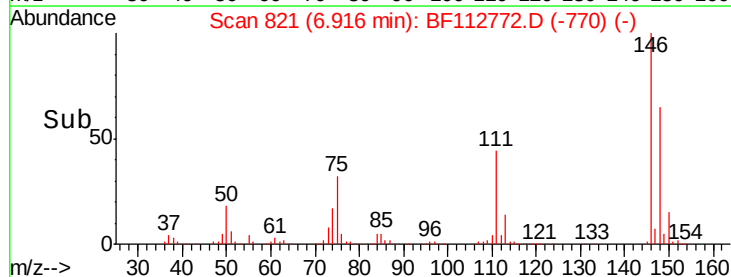
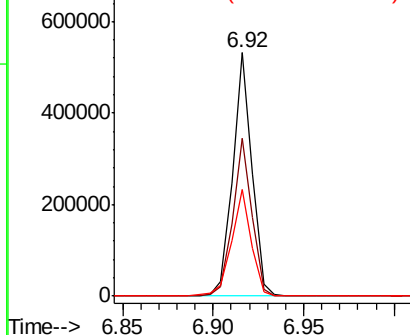


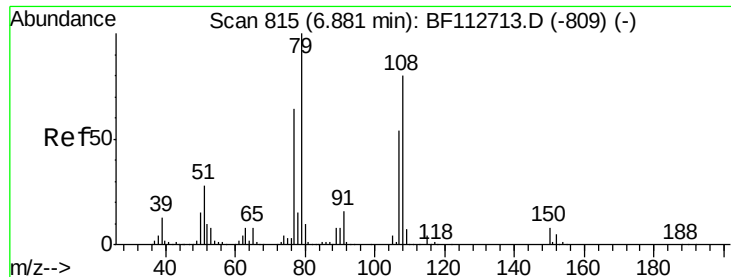
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 27.776 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

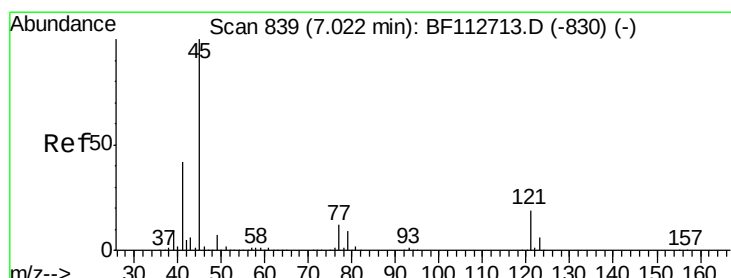
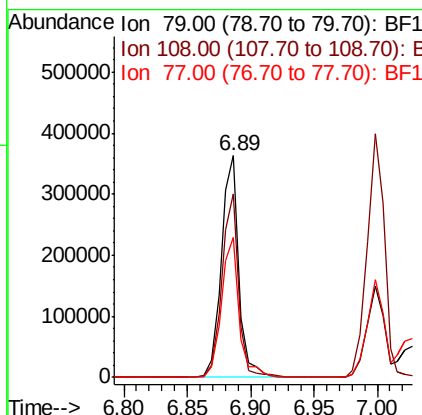
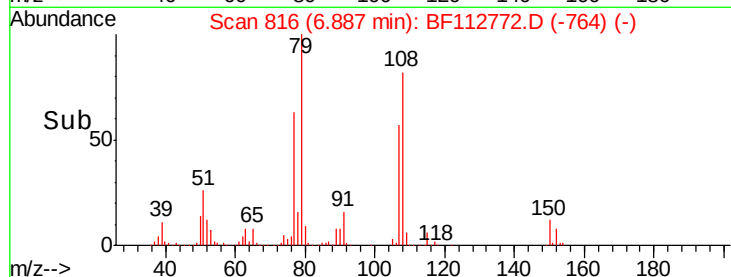
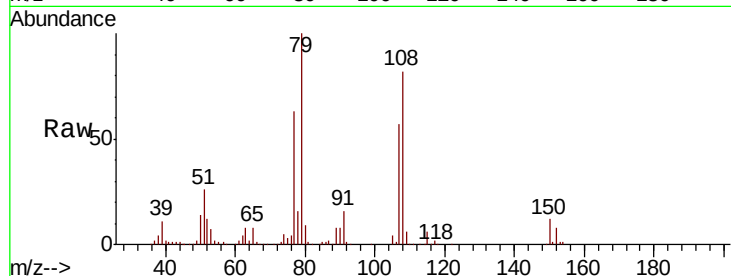
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	79	Resp:	348518
Ion Ratio	Lower	Upper	
79	100		
108	82.4	64.2	96.4
77	62.9	51.1	76.7

Manual Integrations
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3/1/2019 3:00:15 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 25.710 ng

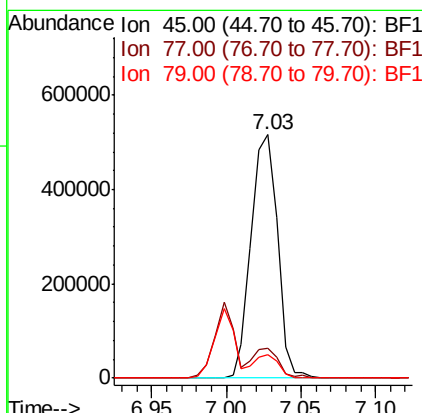
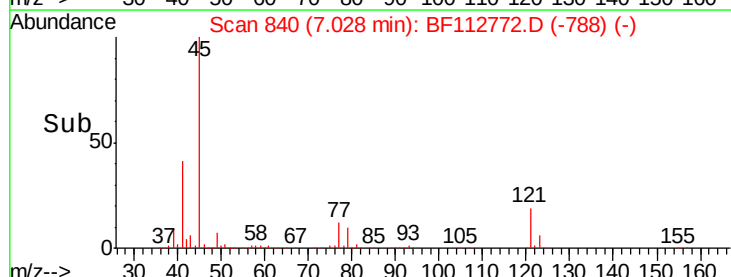
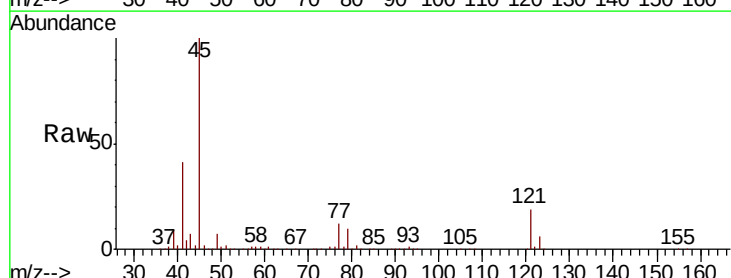
RT: 7.03 min Scan# 840

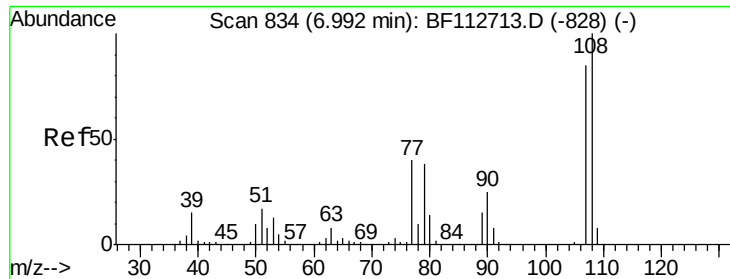
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	45	Resp:	632362
Ion Ratio	Lower	Upper	
45	100		
77	12.5	0.0	32.1
79	9.8	0.0	29.4





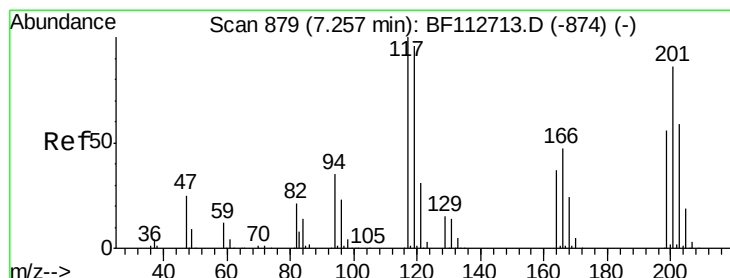
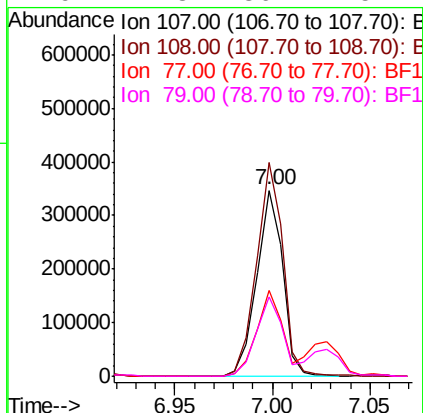
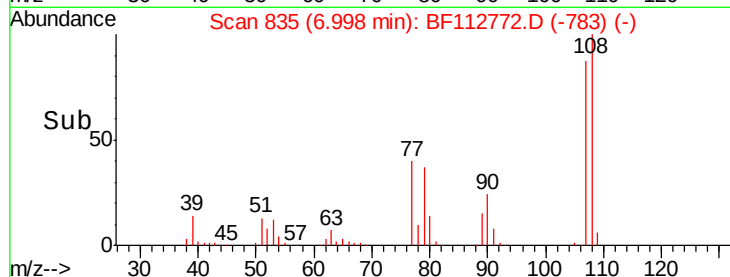
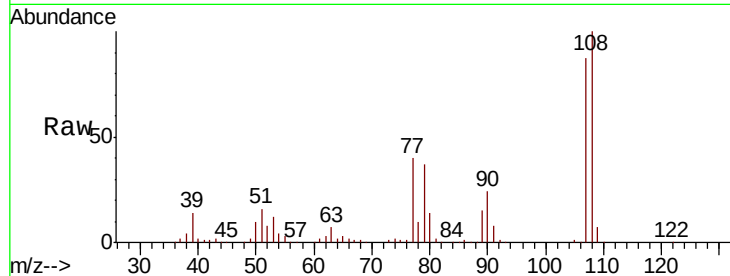
#17
2-Methylphenol
Concen: 27.163 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.8	94.6	142.0
77	46.1	37.8	56.8
79	42.8	36.2	54.2

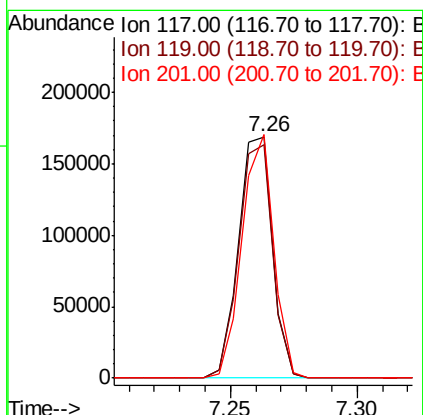
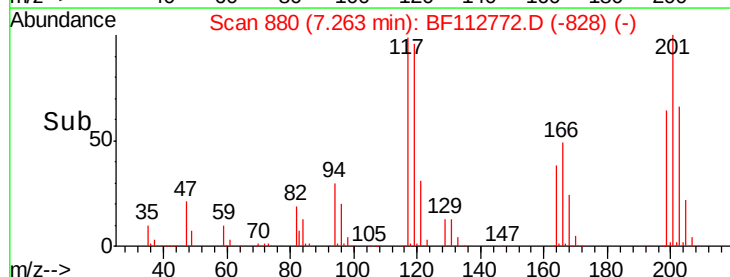
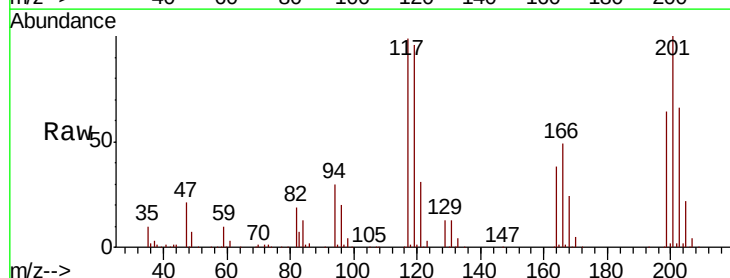
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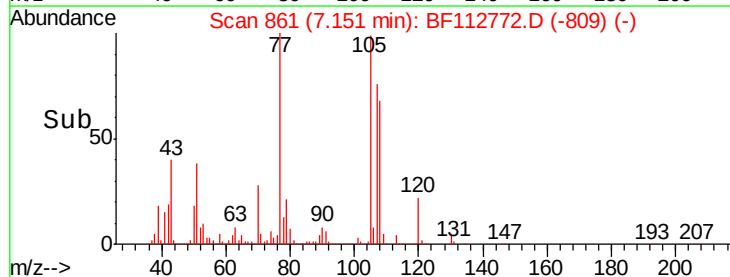
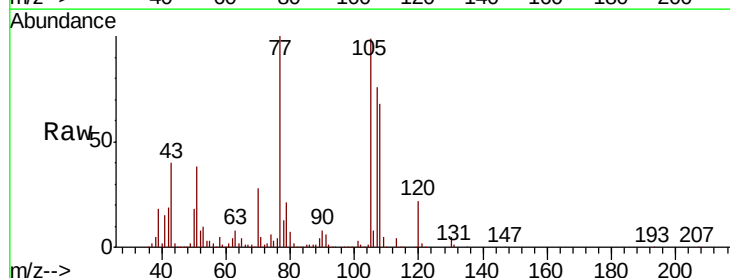
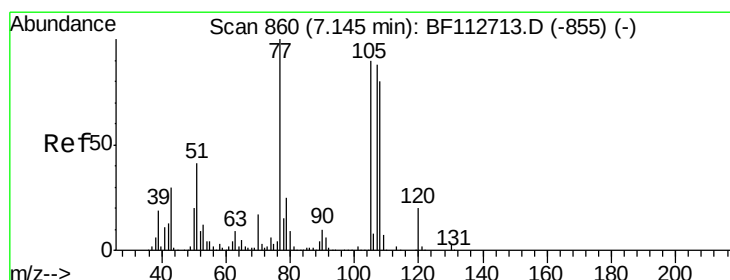
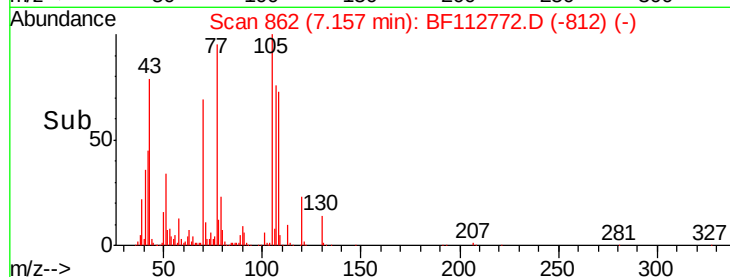
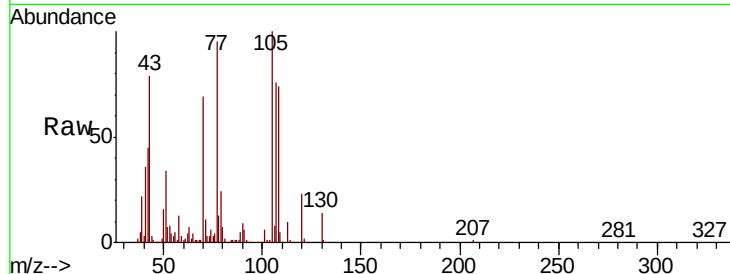
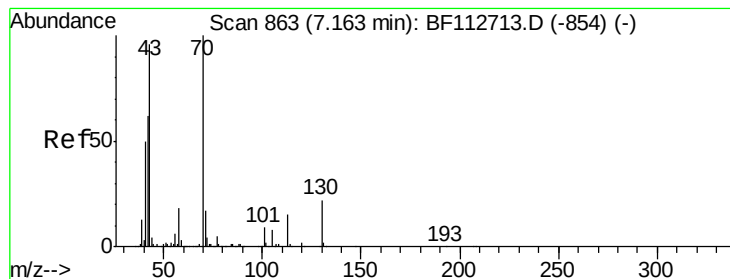
Sohil
3/1/2019 3:00:15 PM



#18
Hexachloroethane
Concen: 27.196 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
201	100.9	68.9	103.3





#19

n-Nitroso-di-n-propylamine

Concen: 25.974 ng

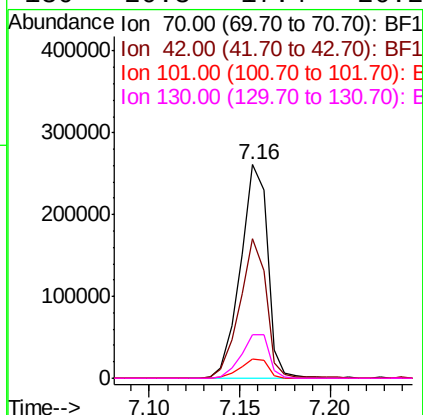
RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	65.3	49.9	74.9		
101	8.8	7.4	11.2		
130	20.3	17.4	26.2		



Instrument :

BNA_F

ClientSampleId :

B-5(9-10)MSD

Manual Integrations
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3/1/2019 3:00:15 PM

#20

3+4-Methylphenols

Concen: 28.694 ng

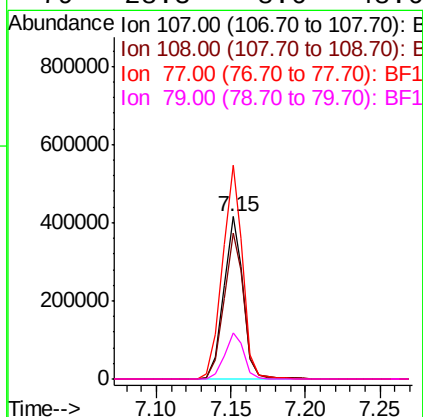
RT: 7.15 min Scan# 861

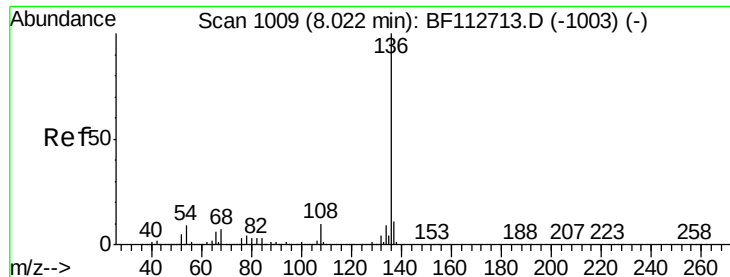
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	90.2	71.4	111.4		
77	131.8	94.1	134.1		
79	28.3	8.6	48.6		





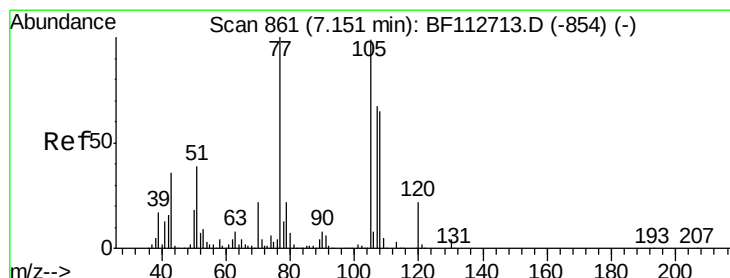
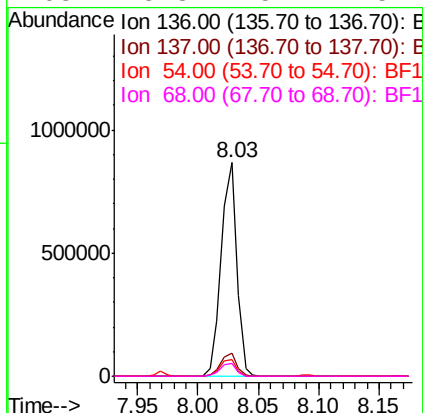
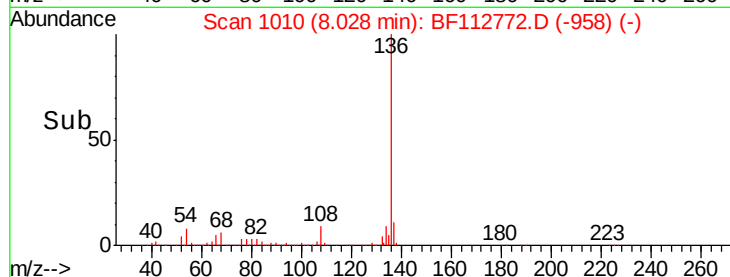
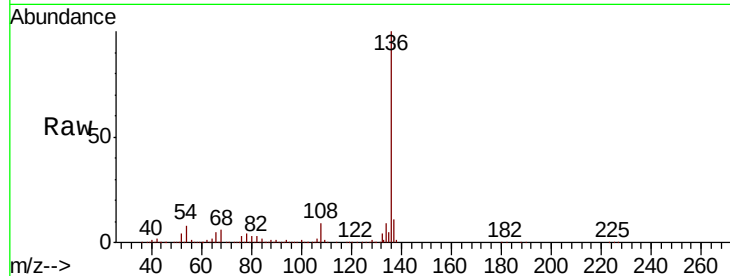
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	773967		
137	10.8		8.9	13.3
54	7.9		7.3	10.9
68	5.8		5.4	8.2

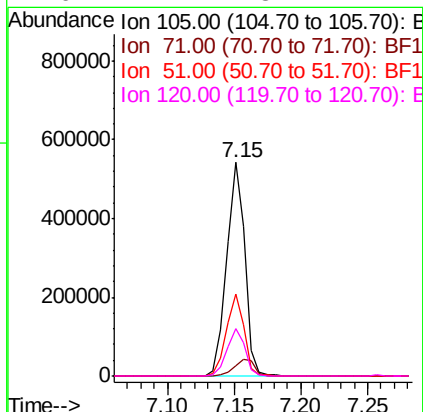
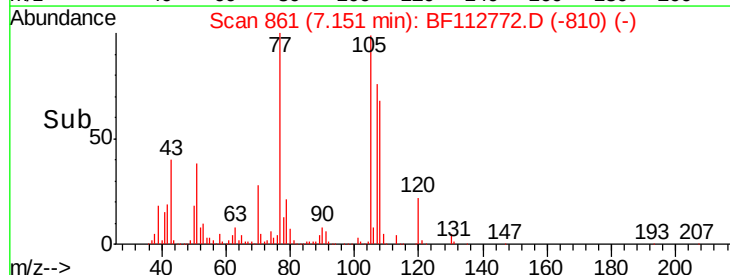
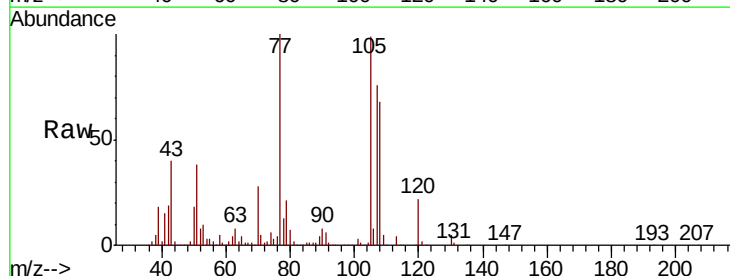
Manual Integrations
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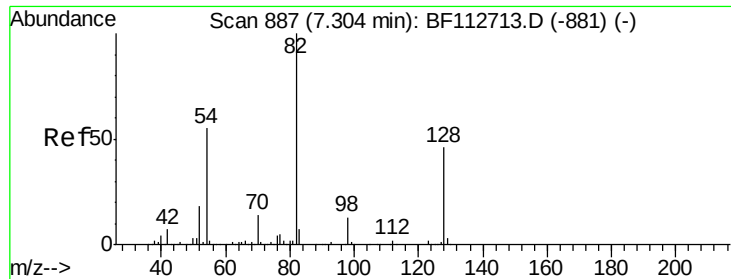
Sohil
3/1/2019 3:00:15 PM



#22
Acetophenone
Concen: 28.980 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	524456		
71	4.5		3.0	4.4#
51	38.1		31.5	47.3
120	22.4		18.1	27.1





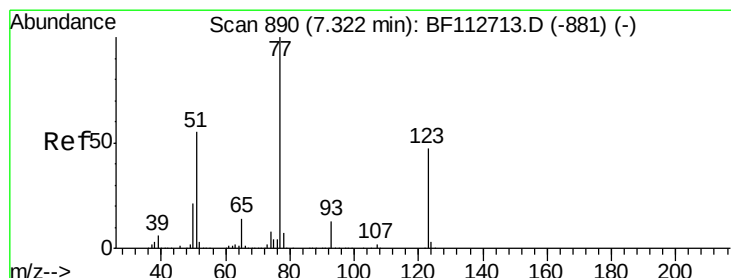
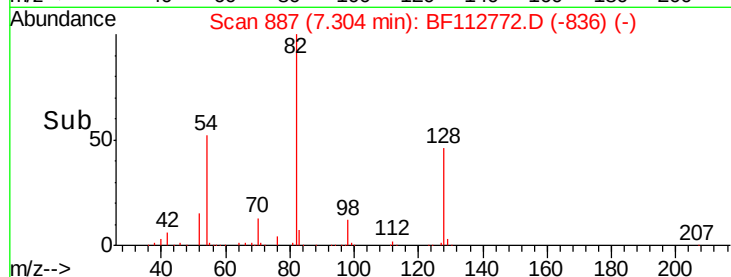
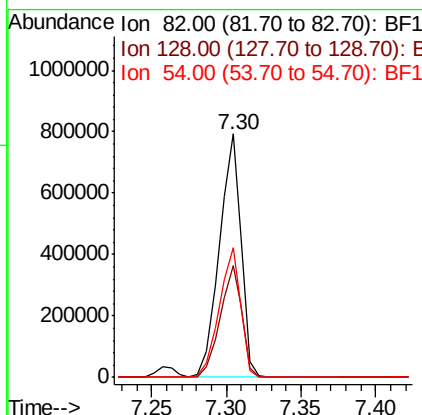
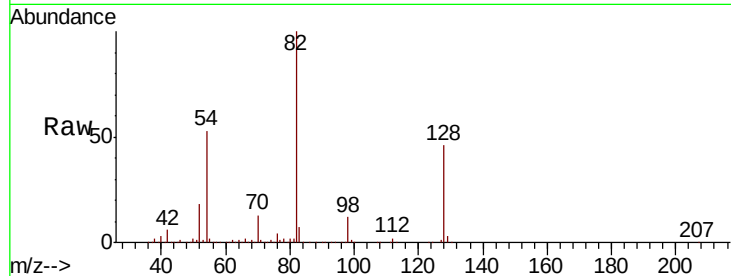
#23
Nitrobenzene-d5
Concen: 62.572 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampled :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	53.2	43.7	65.5

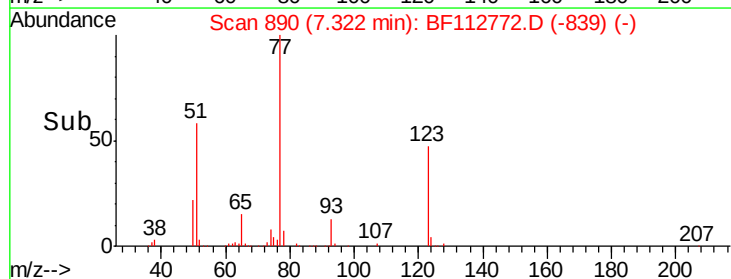
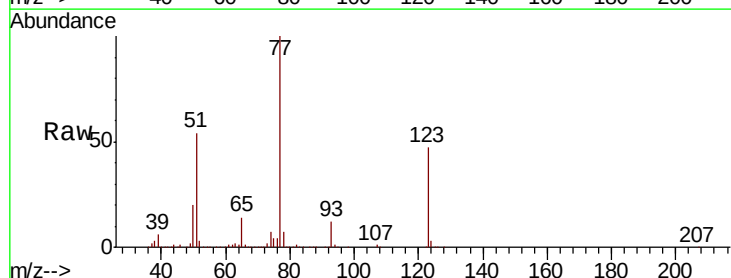
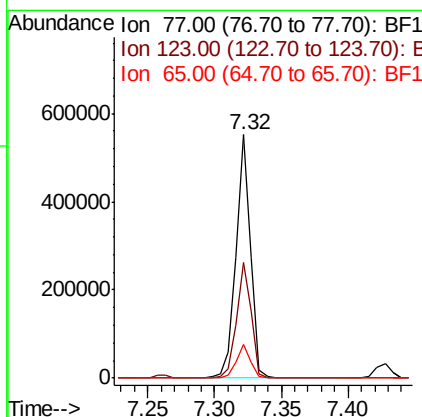
Manual Integrations
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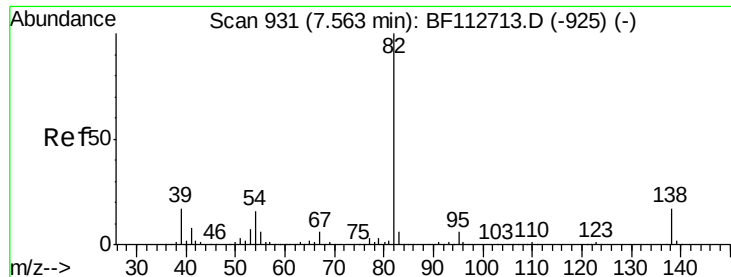
Sohil
3/1/2019 3:00:15 PM



#24
Nitrobenzene
Concen: 29.374 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.8	56.6
65	13.9	11.1	16.7





#25

Isophorone

Concen: 27.178 ng

RT: 7.56 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

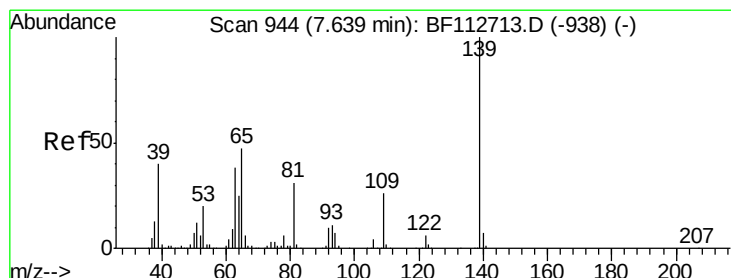
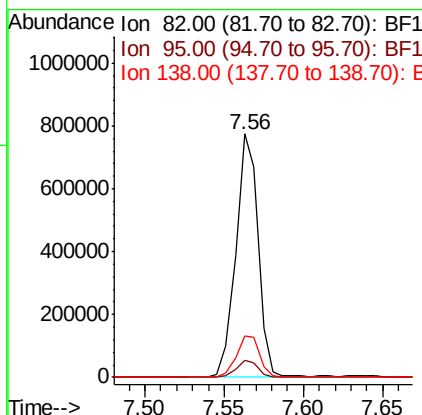
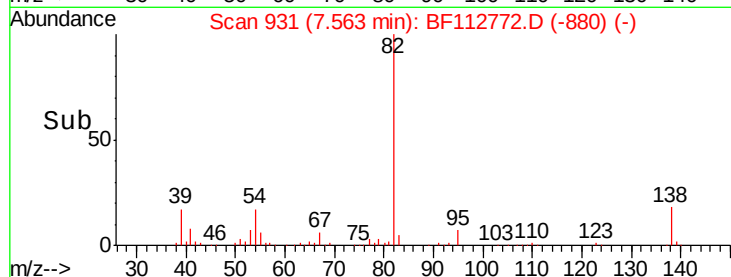
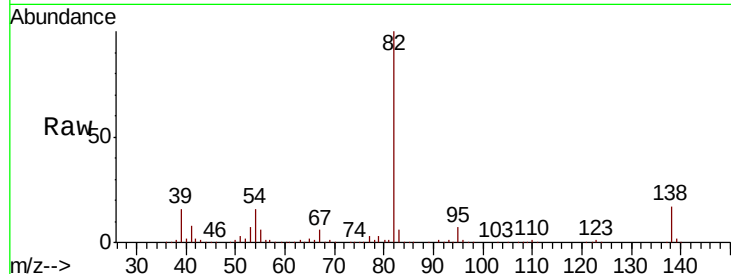
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	82	Resp:	757323
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.2	7.8
138	17.0	13.8	20.8

Manual Integrations
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Sohil
3/1/2019 3:00:15 PM



#26

2-Nitrophenol

Concen: 34.316 ng

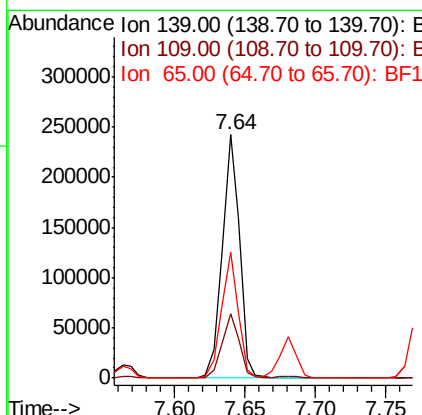
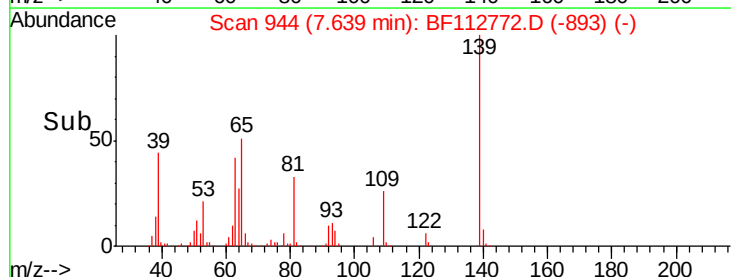
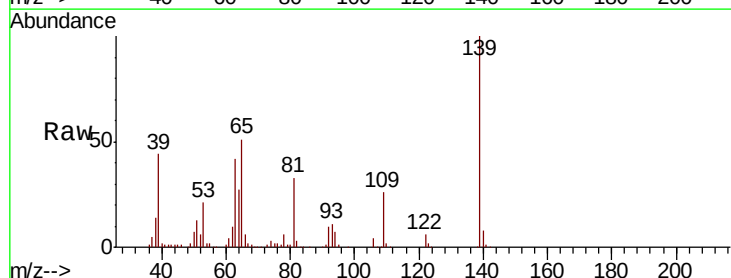
RT: 7.64 min Scan# 944

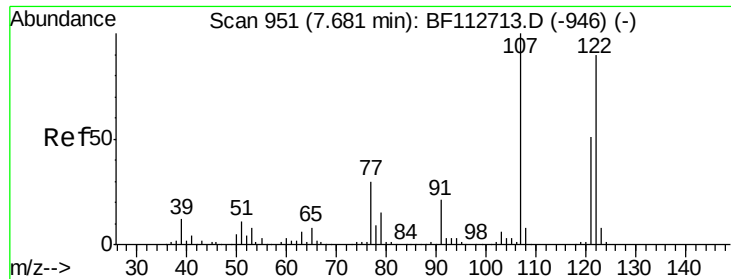
Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	139	Resp:	205644
Ion	Ratio	Lower	Upper
139	100		
109	26.4	20.6	31.0
65	51.5	37.9	56.9





#27

2,4-Dimethylphenol

Concen: 30.450 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

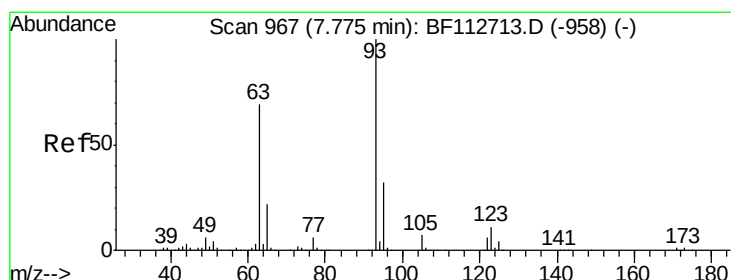
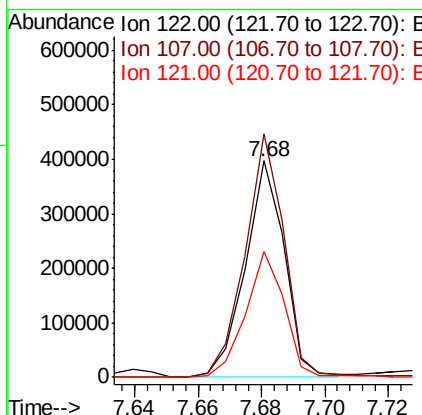
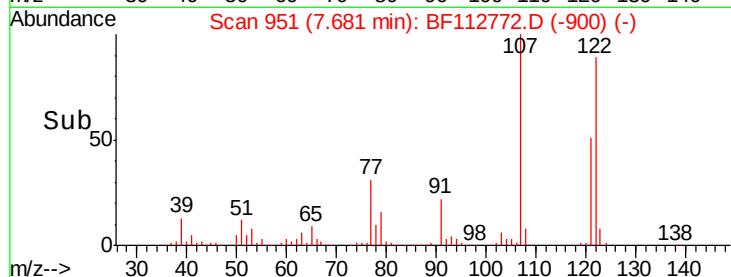
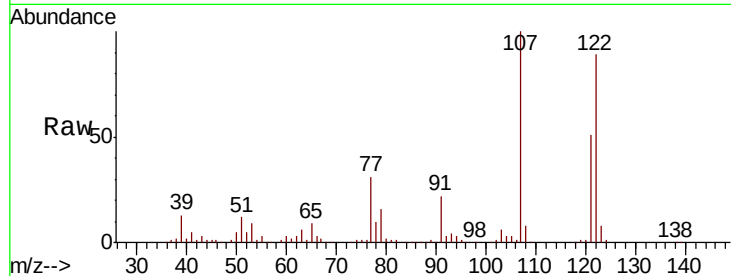
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	122	Resp:	339480
Ion Ratio	Lower	Upper	
122	100		
107	112.5	89.4	134.0
121	57.9	45.5	68.3

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3/1/2019 3:00:15 PM



#28

bis(2-Chloroethoxy)methane

Concen: 28.249 ng

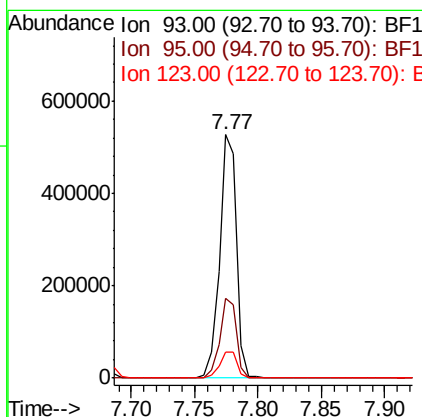
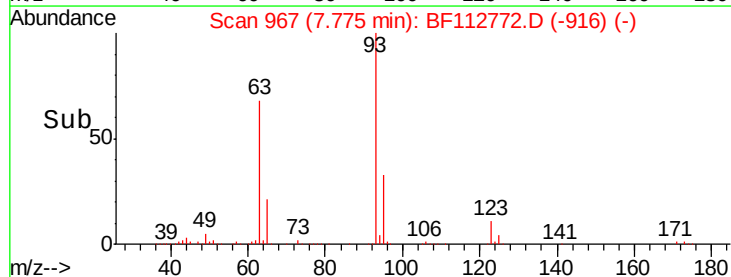
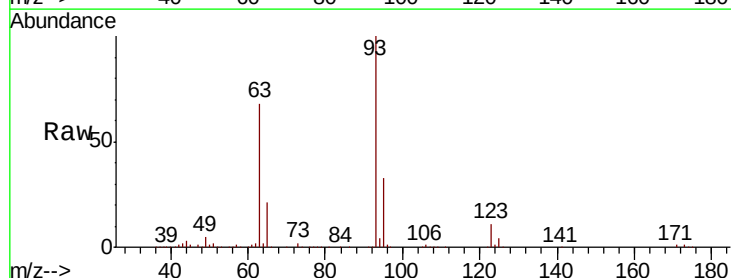
RT: 7.77 min Scan# 967

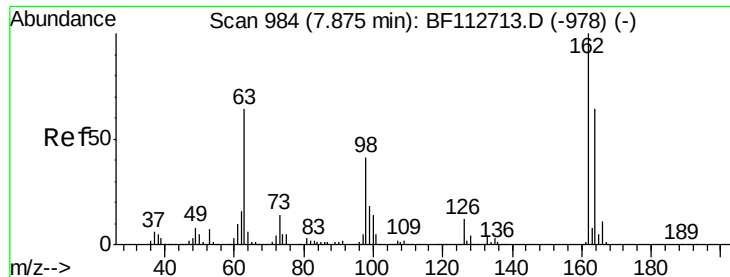
Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	93	Resp:	492138
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.0	39.0
123	10.6	9.3	13.9





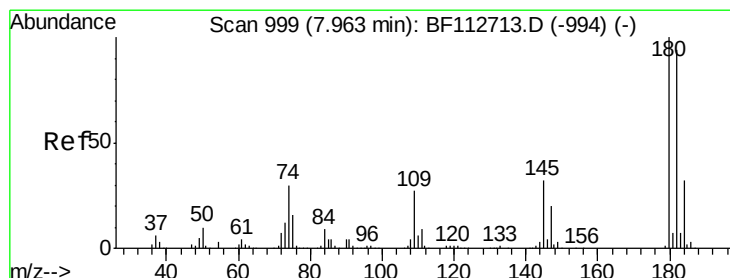
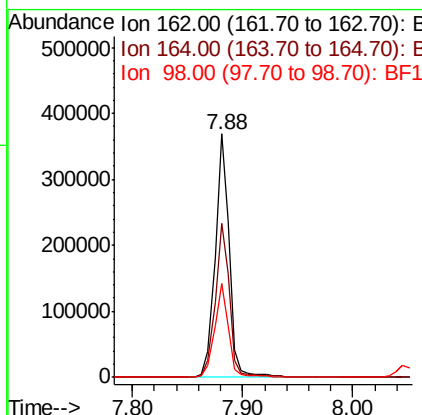
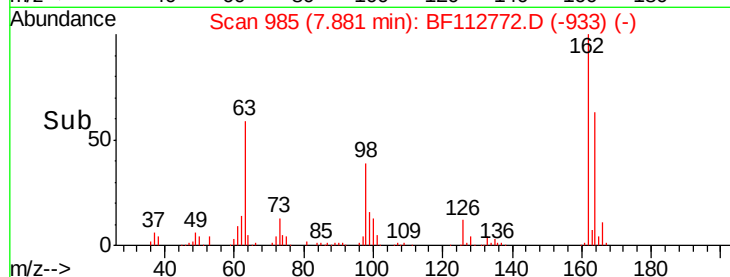
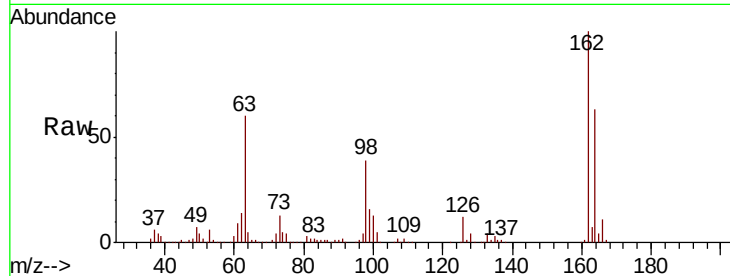
#29
2,4-Dichlorophenol
Concen: 29.902 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampled :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.3	44.0	84.0	
98	38.8	20.7	60.7	

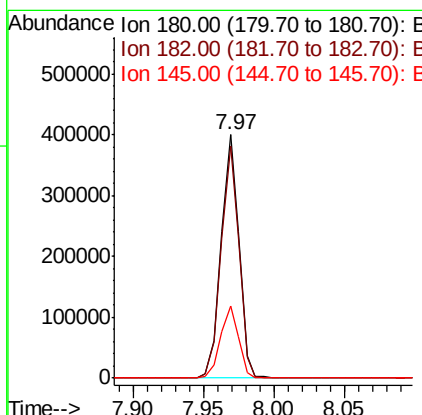
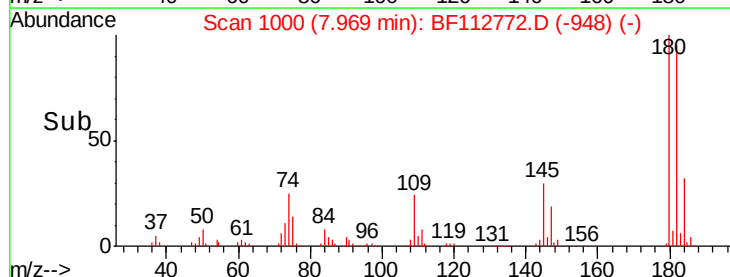
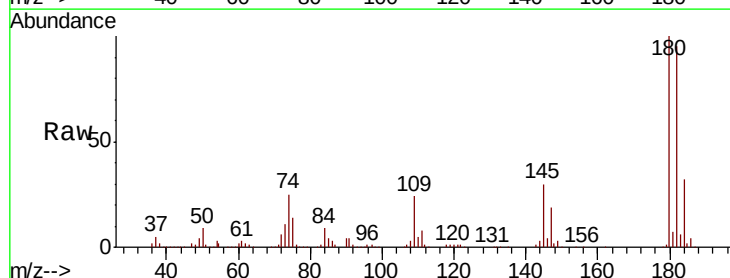
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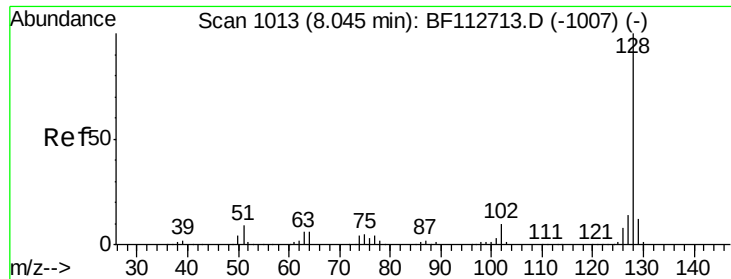
Sohil
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#30
1,2,4-Trichlorobenzene
Concen: 30.296 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	75.2	112.8	
145	29.8	25.4	38.0	





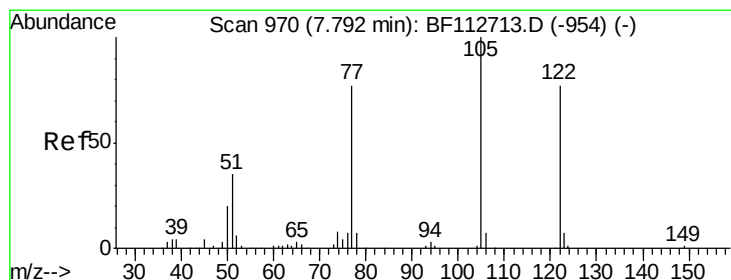
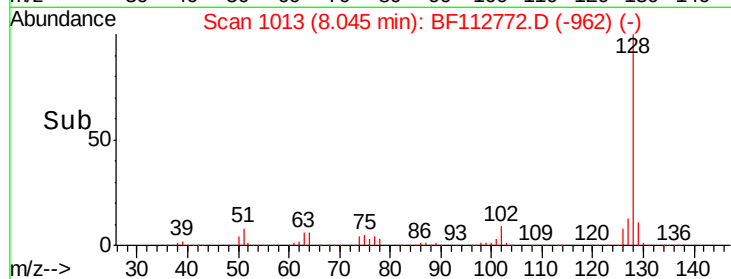
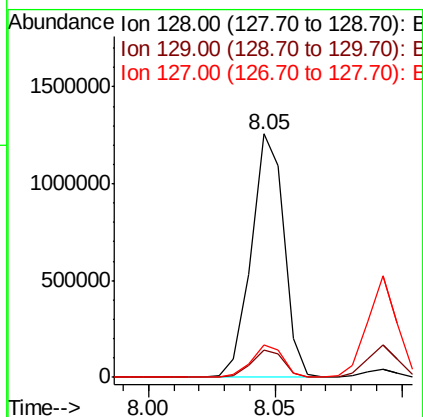
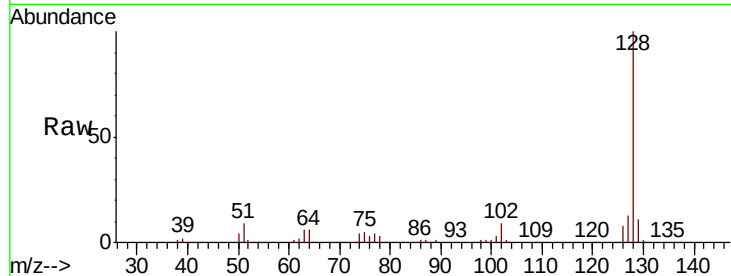
#31
Naphthalene
Concen: 29.465 ng
RT: 8.05 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.4	10.9	16.3

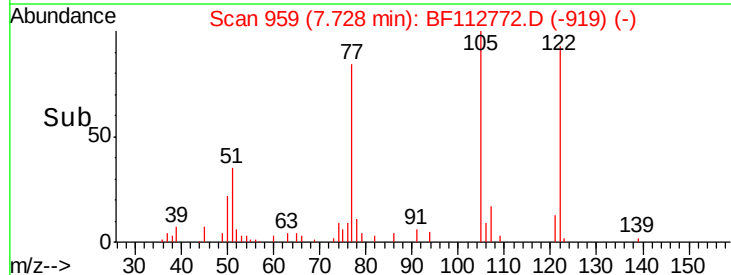
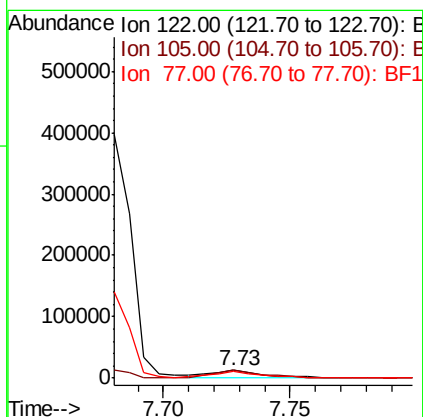
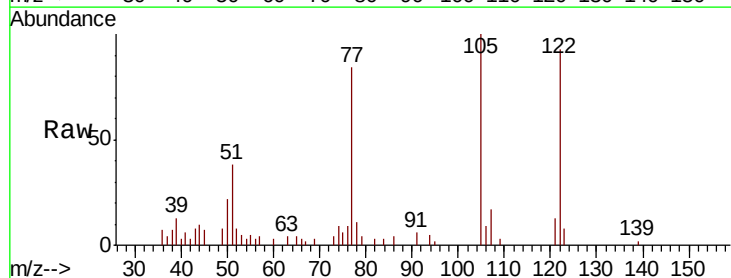
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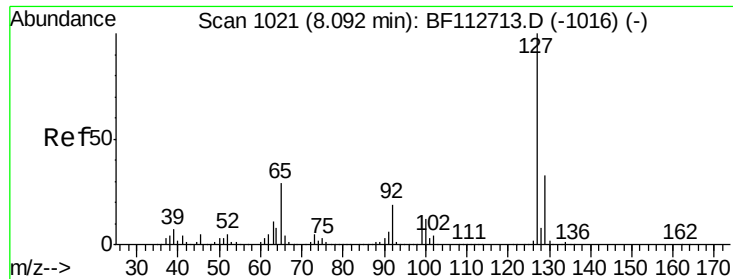
Sohil
3/1/2019 3:00:15 PM



#32
Benzoic acid
Concen: 2.079 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.06 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
122	100		
105	107.3	106.8	146.8
77	90.0	79.4	119.4





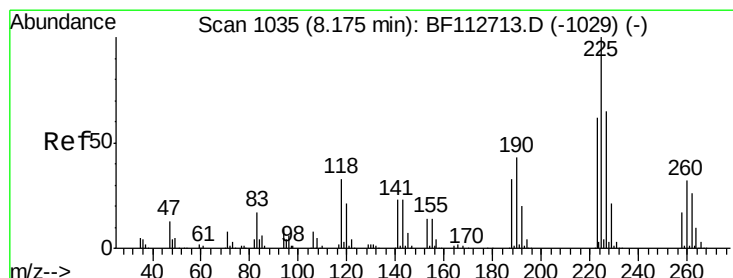
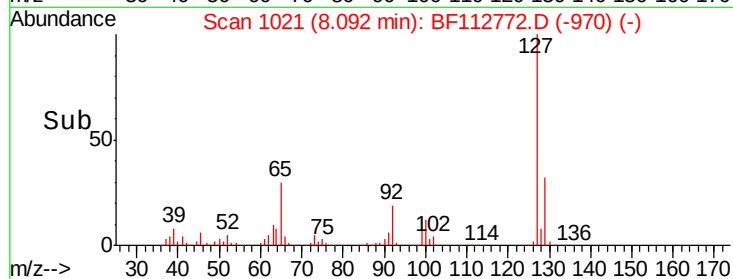
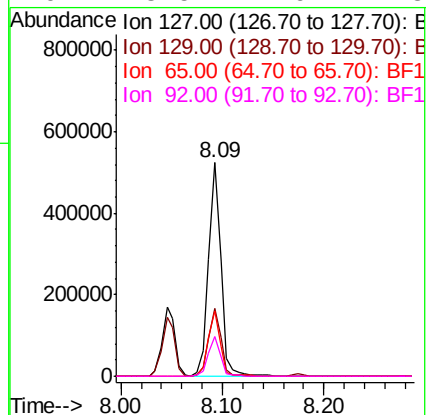
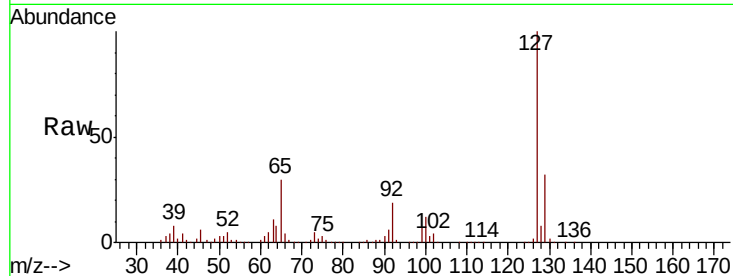
#33
4-Chloroaniline
Concen: 27.199 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	442674		
129	31.7	26.4	39.6	
65	30.4	23.1	34.7	
92	18.5	14.9	22.3	

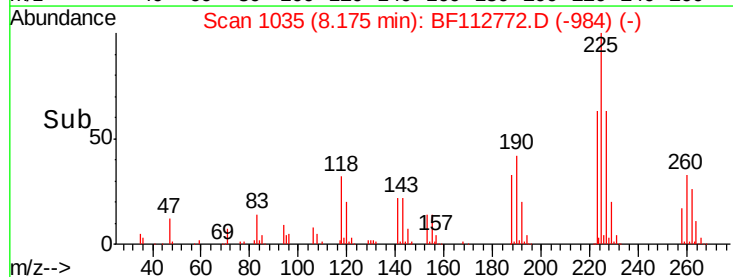
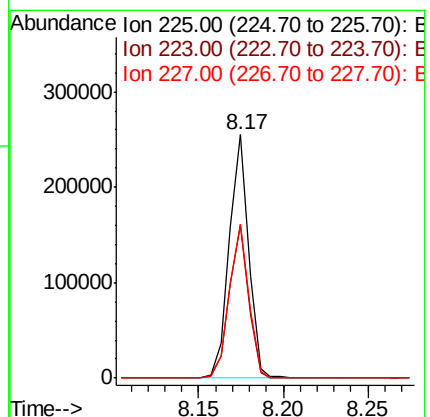
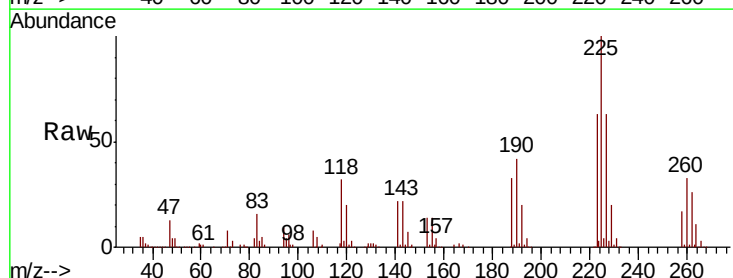
Manual Integrations
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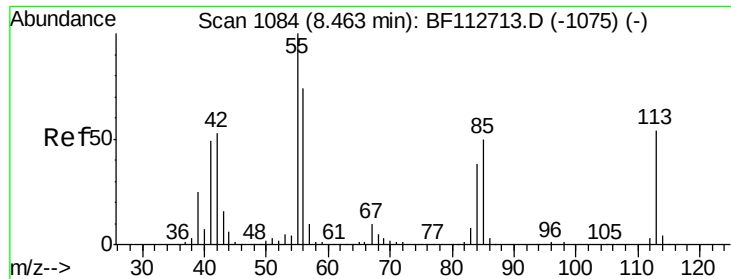
Sohil
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#34
Hexachlorobutadiene
Concen: 30.915 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	202539		
223	62.9	49.7	74.5	
227	63.1	52.1	78.1	





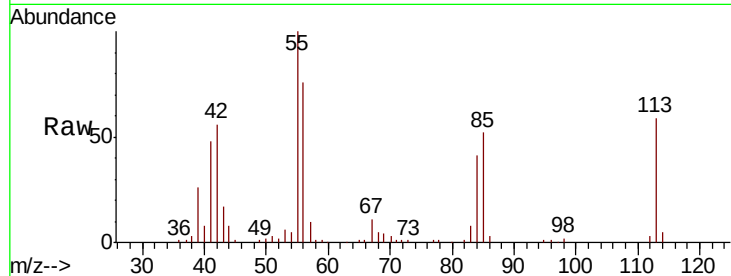
#35
Caprolactam
Concen: 20.193 ng/ml
RT: 8.45 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

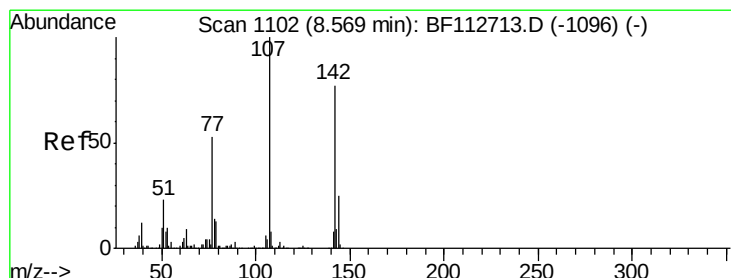
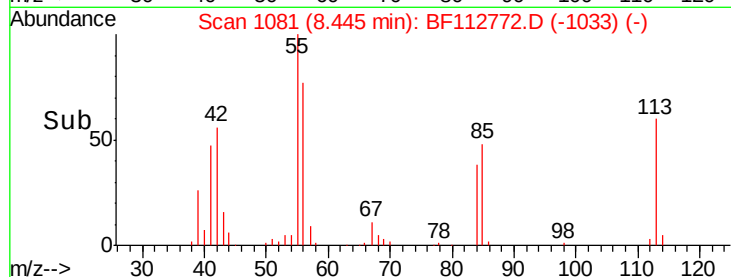
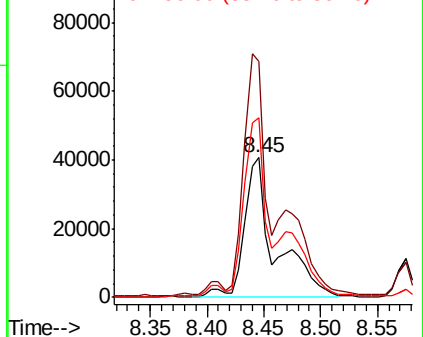
Tot Ion	Ratio	Lower	Upper
113	100		
55	169.1	163.5	203.5
56	128.7	115.3	155.3

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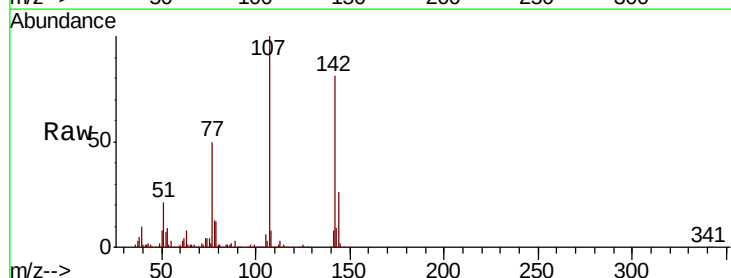


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

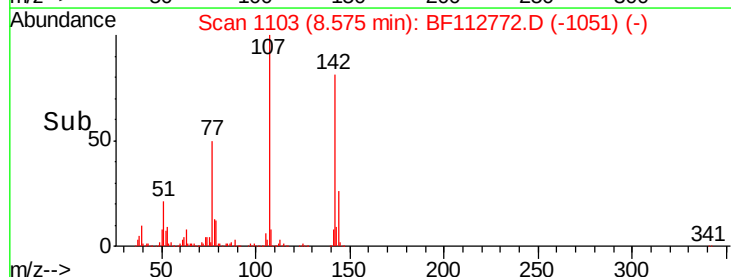
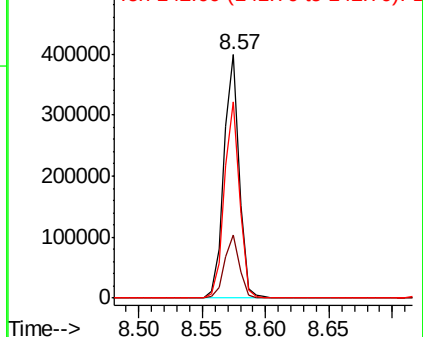


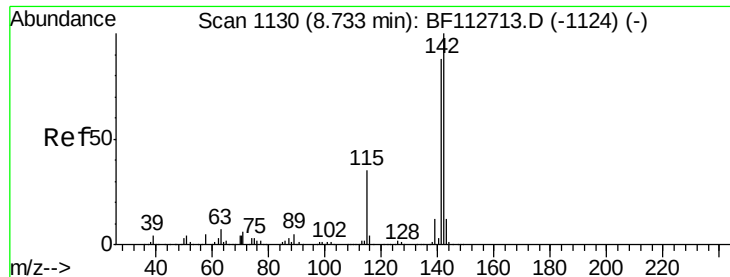
#36
4-Chloro-3-methylphenol
Concen: 28.031 ng/ml
RT: 8.57 min Scan# 1103
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.1	30.1
142	80.7	61.9	92.9



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





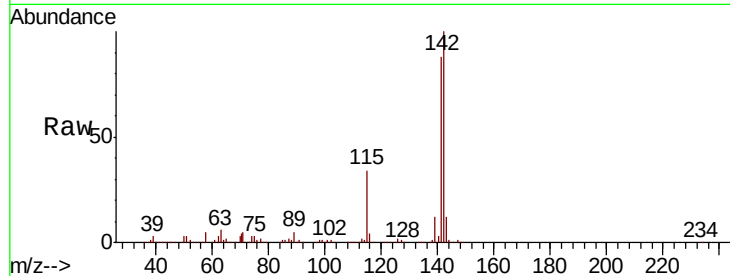
#37
2-Methylnaphthalene
Concen: 30.199 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	33.7	27.8	41.6

Manual Integrations
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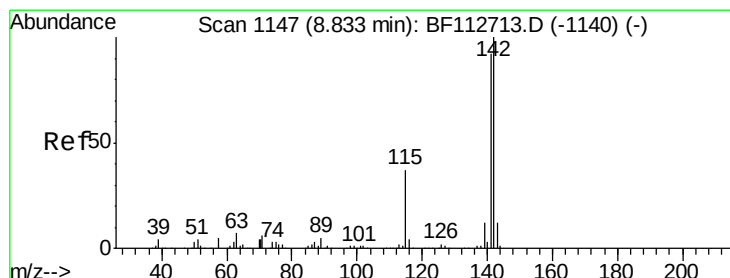
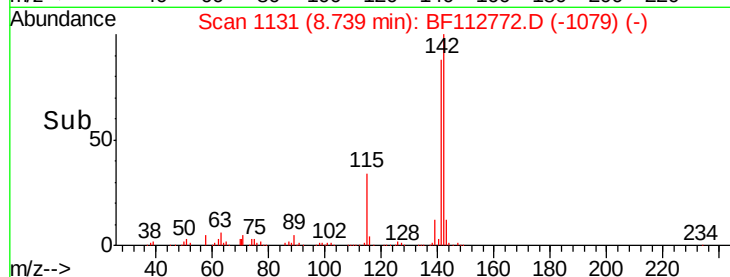
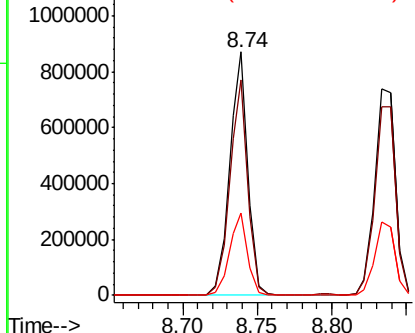


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 29.391 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

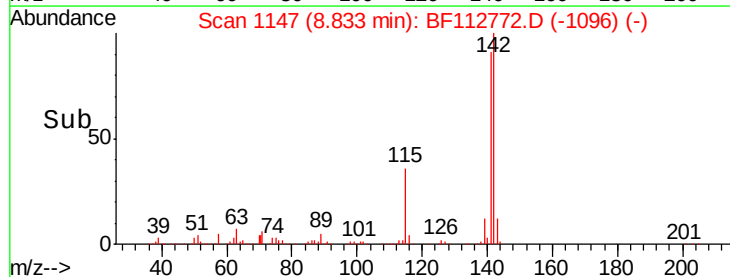
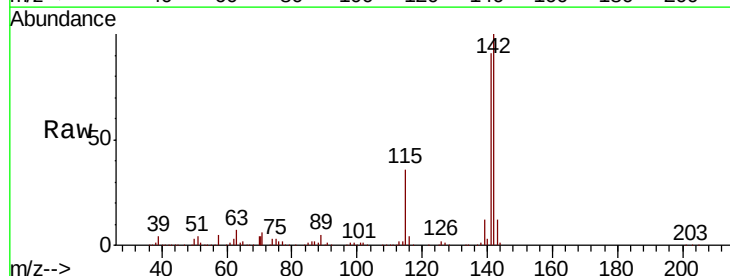
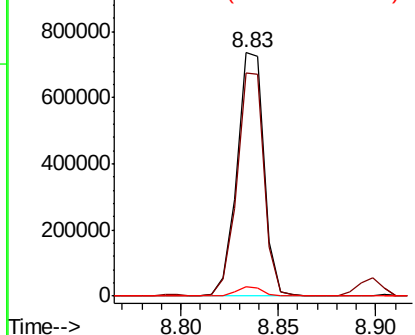
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.7	110.5
116	3.8	3.1	4.7

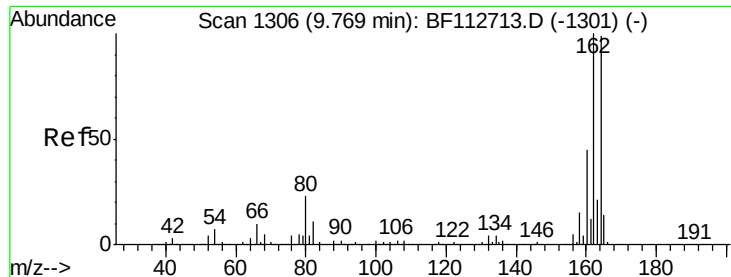
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





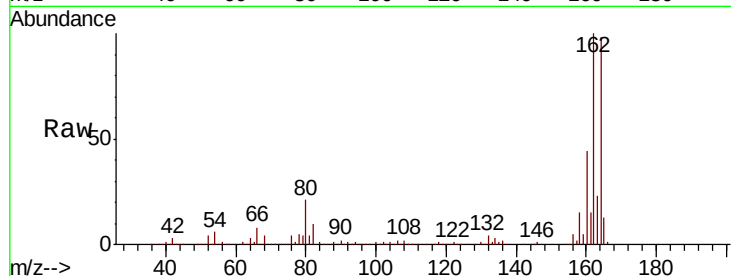
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampled :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	45.1	36.0	54.0

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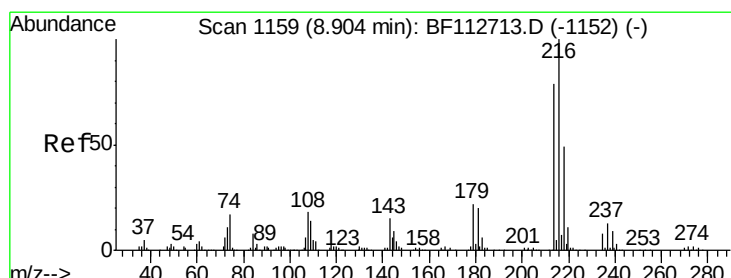
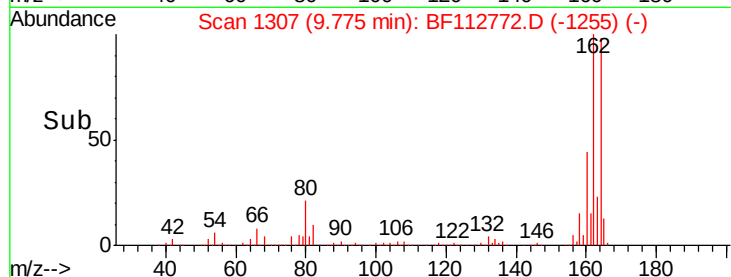
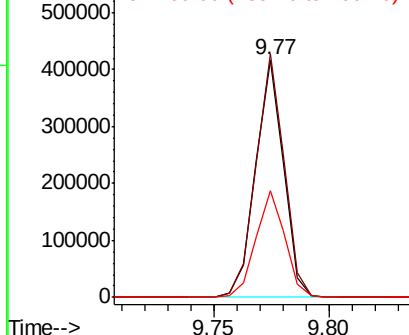


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 30.911 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.2	94.8
179	21.2	17.5	26.3
108	20.8	16.7	25.1

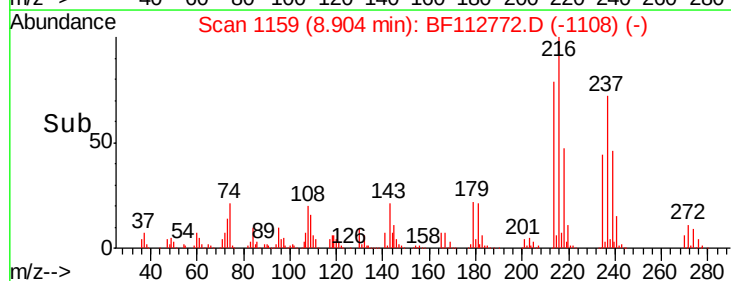
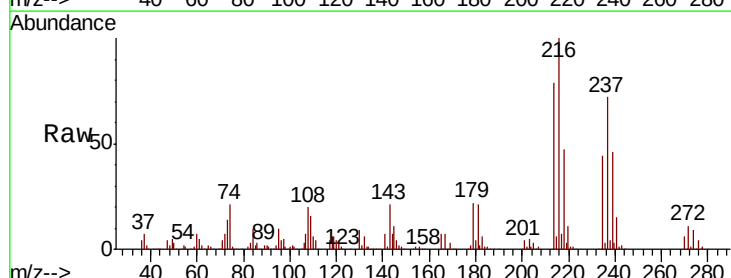
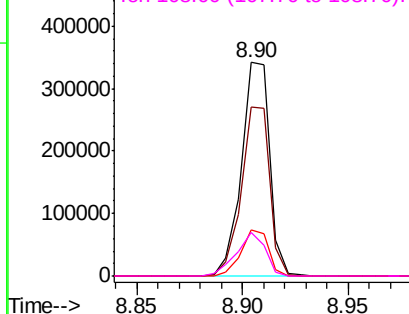
Abundance

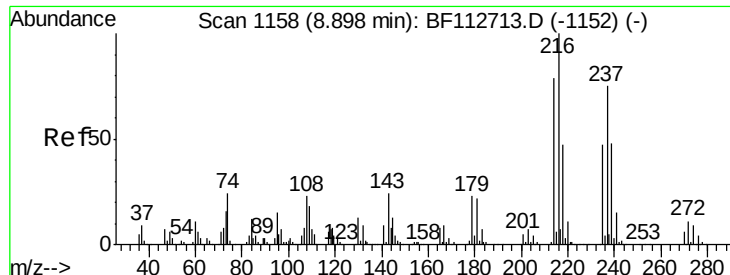
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





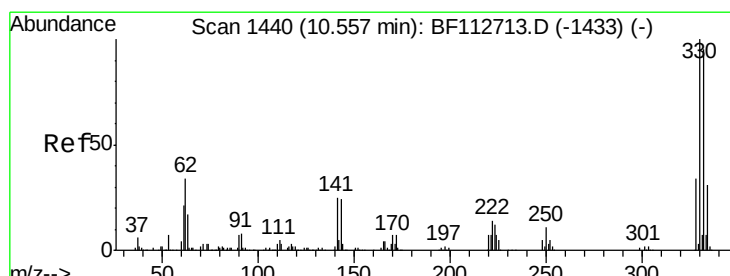
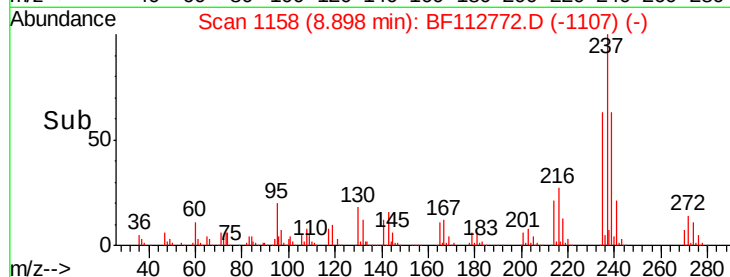
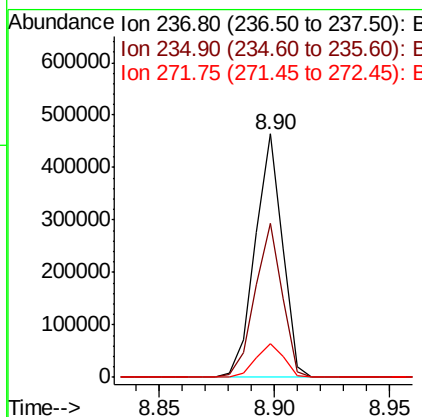
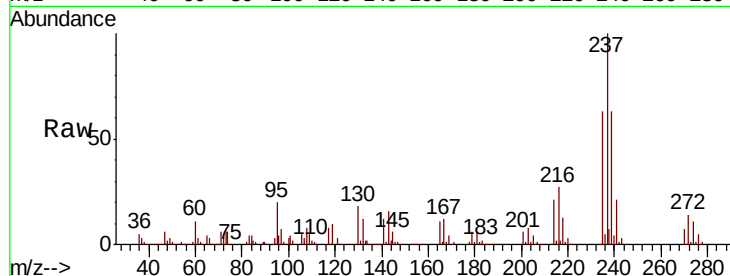
#41
Hexachlorocyclopentadiene
Concen: 68.298 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
237	100				
235	63.1	42.2	82.2		
272	14.1	0.0	34.0		

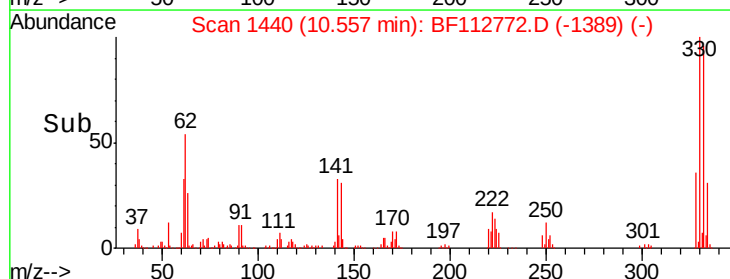
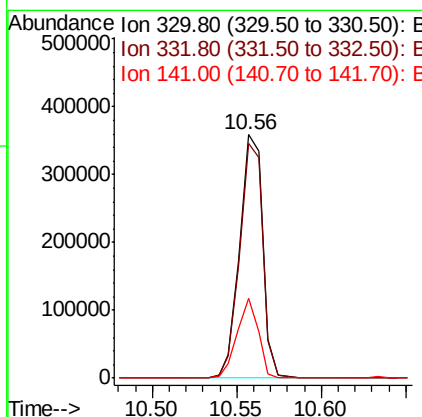
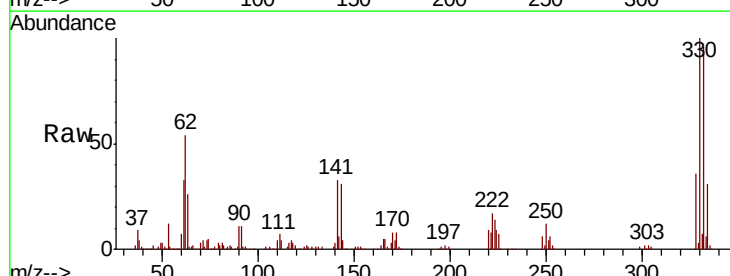
Manual Integrations
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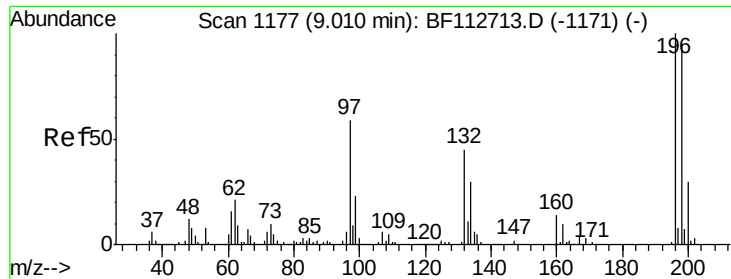
Sohil
3/1/2019 3:00:15 PM



#42
2,4,6-Tribromophenol
Concen: 91.699 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100				
332	97.0	76.2	114.4		
141	30.1	27.0	40.6		





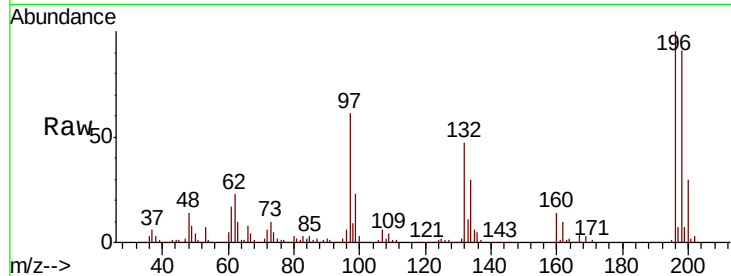
#43
 2,4,6-Trichlorophenol
 Concen: 32.948 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Instrument :
 BNA_F
 ClientSampled :
 B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	232639		
198	91.1	75.8	113.8	
200	29.7	24.3	36.5	

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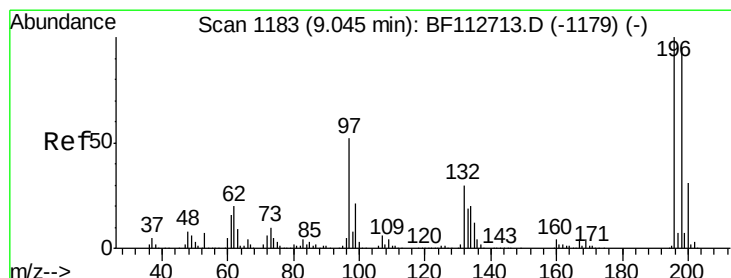
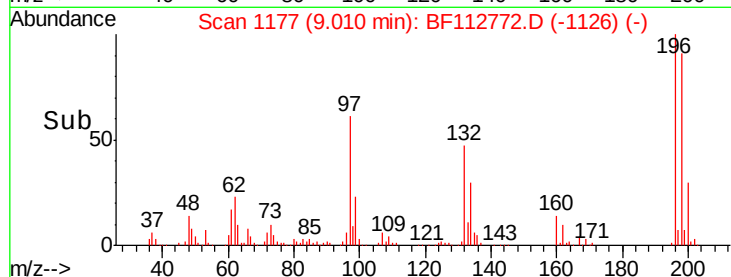
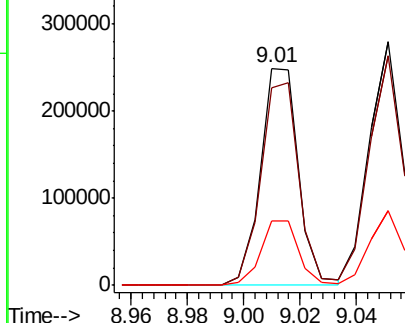


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 30.855 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	235481		
198	94.1	76.2	114.2	
97	48.5	41.5	62.3	
132	28.3	23.9	35.9	

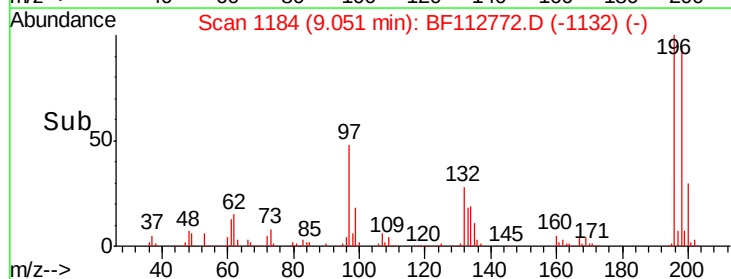
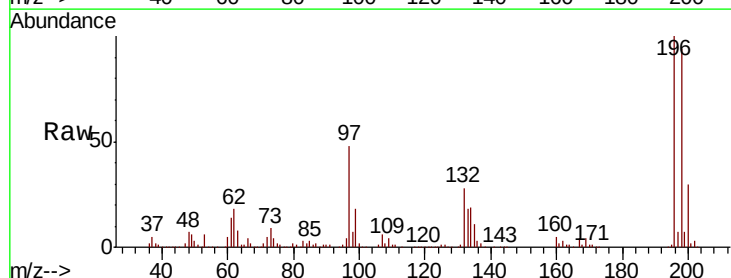
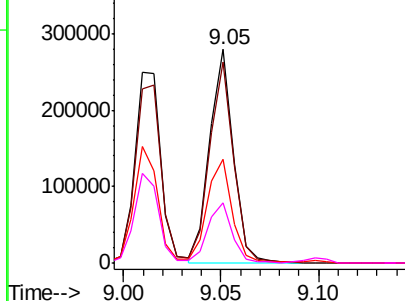
Abundance

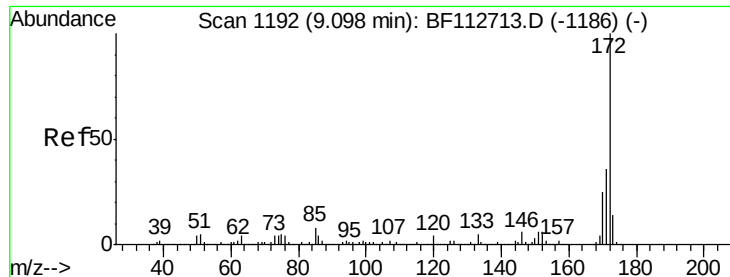
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





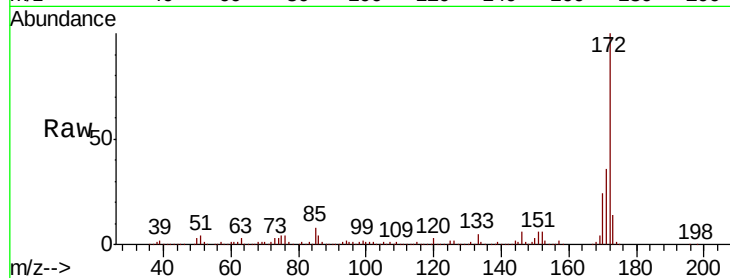
#45
2-Fluorobiphenyl
Concen: 66.499 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.1	20.0	30.0

Manual Integrations
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3/1/2019 3:00:15 PM

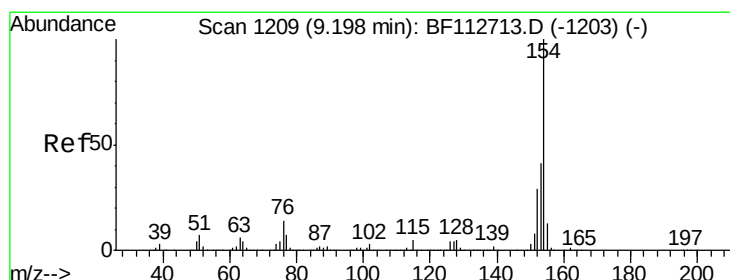
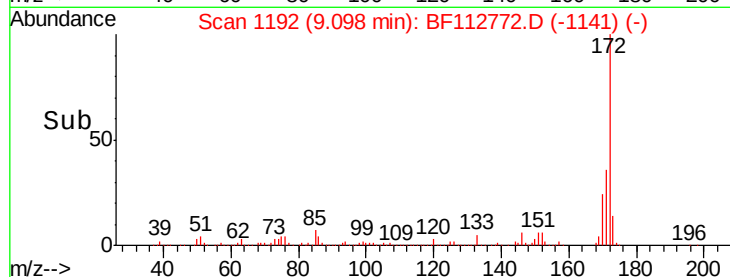
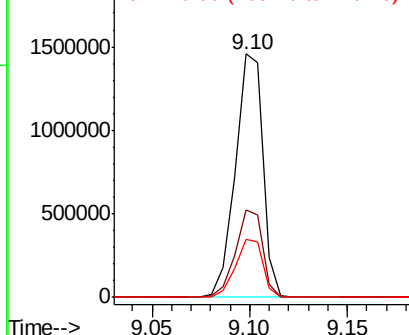


Abundance

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: 31.075 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

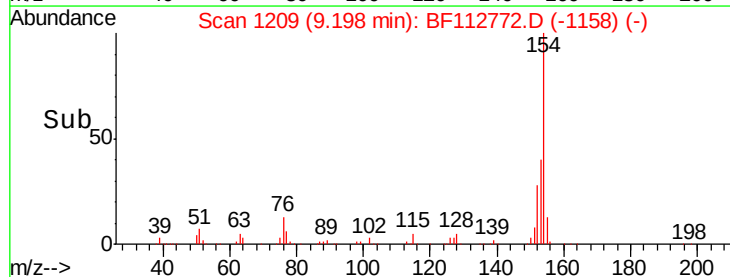
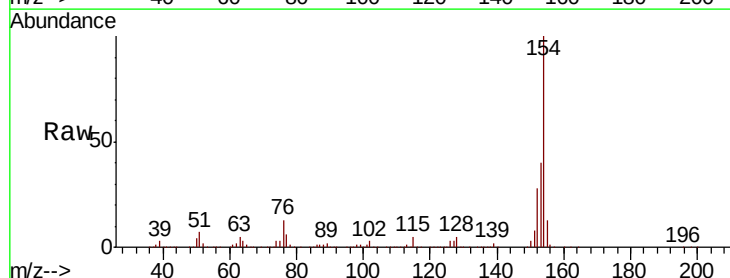
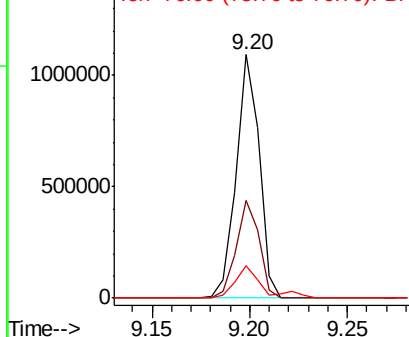
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.8	60.8
76	13.2	0.0	33.8

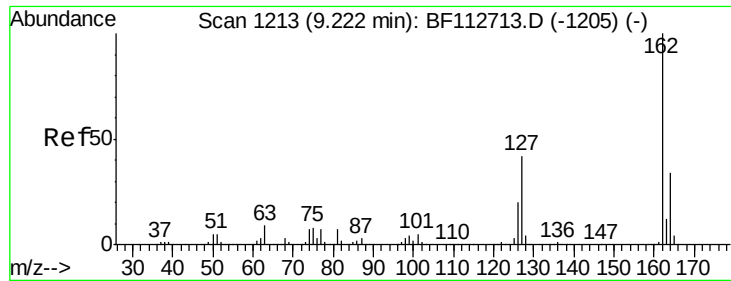
Abundance

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





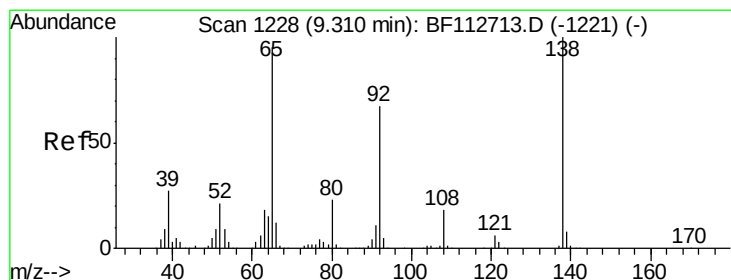
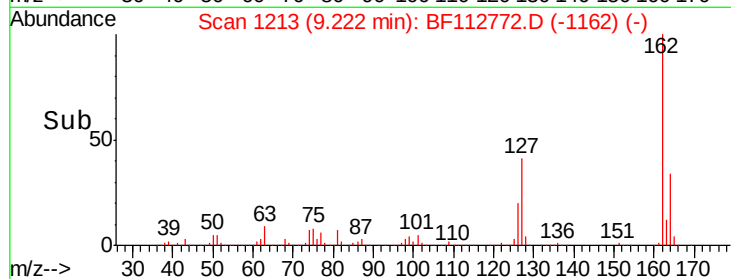
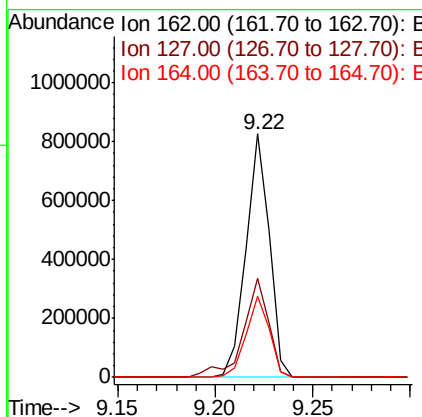
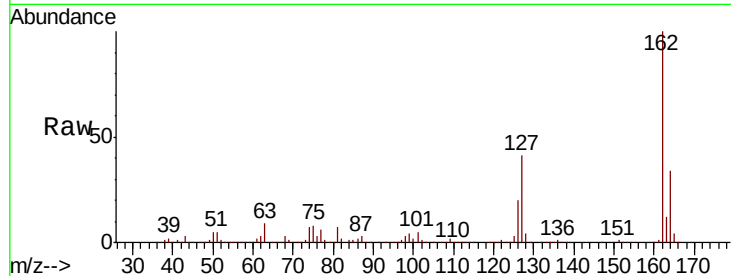
#47
2-Chloronaphthalene
Concen: 30.580 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	685187		
127	40.9	33.4	50.2	
164	33.5	26.9	40.3	

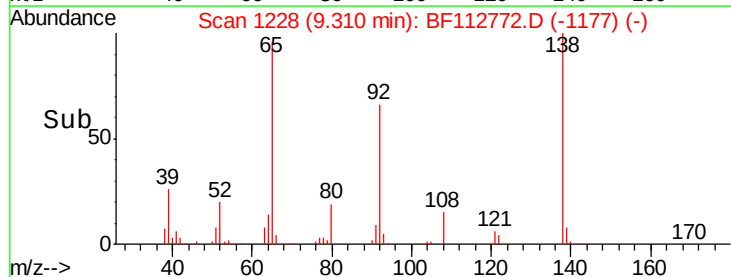
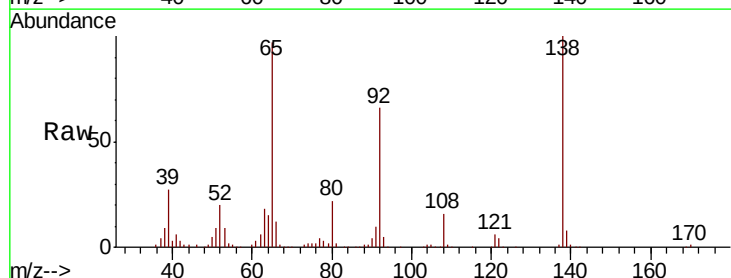
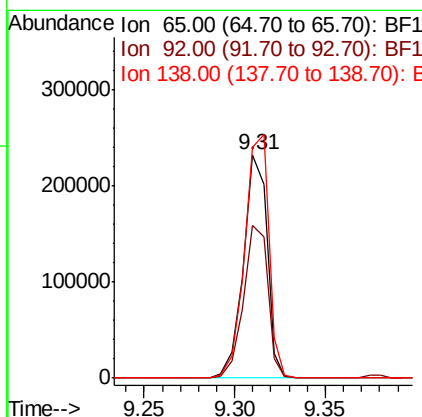
Manual Integrations
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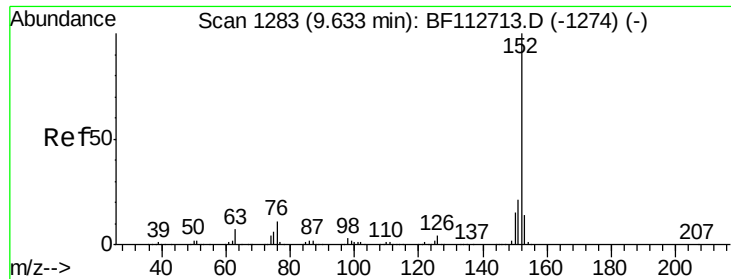
Sohil
3/1/2019 3:00:15 PM



#48
2-Nitroaniline
Concen: 30.996 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	211100		
92	68.1	56.4	84.6	
138	103.1	84.6	126.8	





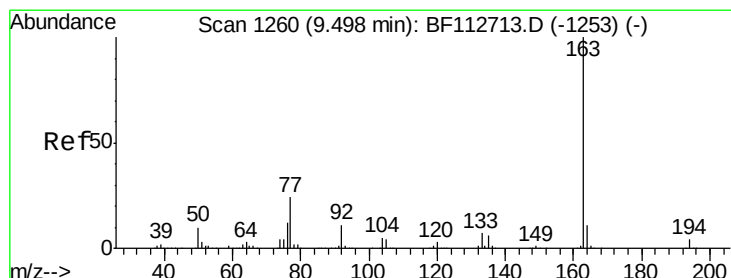
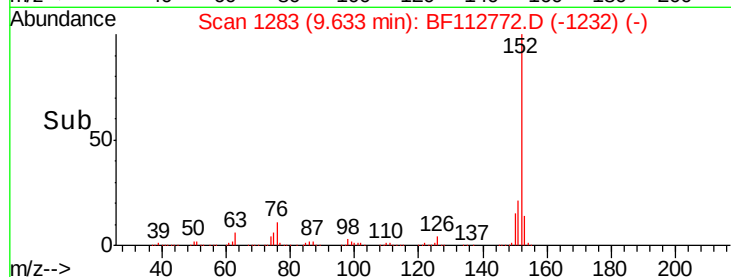
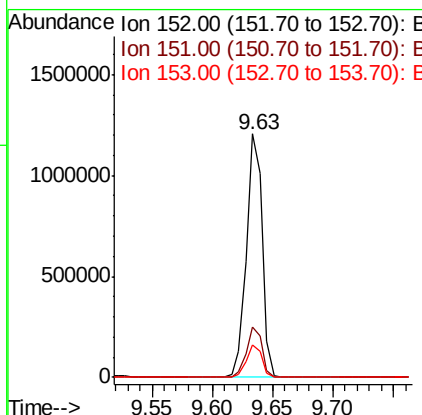
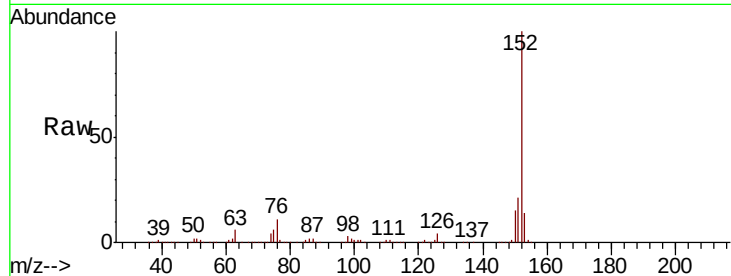
#49
Acenaphthylene
Concen: 29.092 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.9	25.3
153	13.6	11.0	16.6

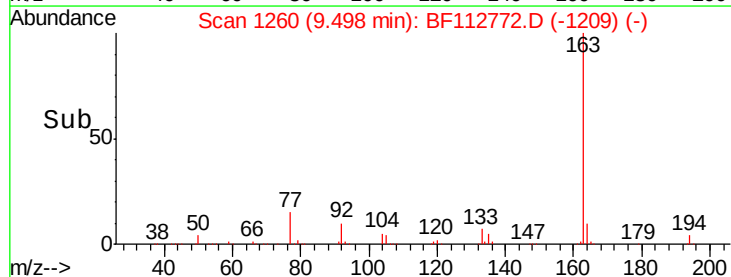
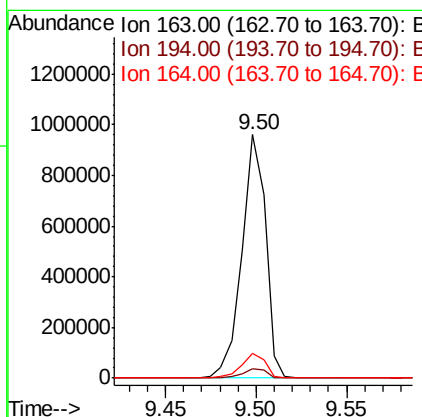
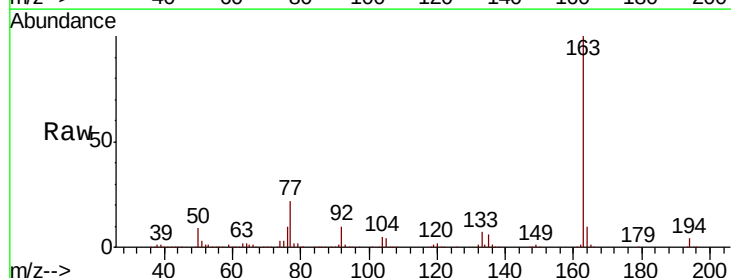
Manual Integrations
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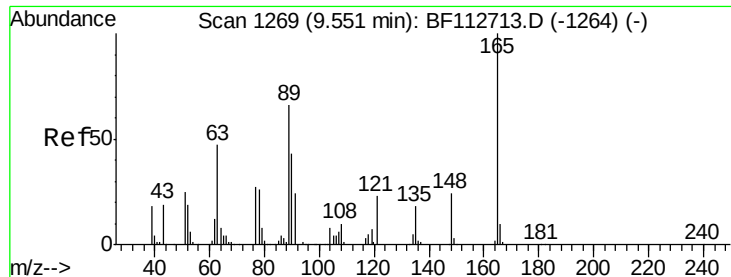
Sohil
3/1/2019 3:00:15 PM



#50
Dimethylphthalate
Concen: 33.658 ng
RT: 9.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.4	8.4	12.6





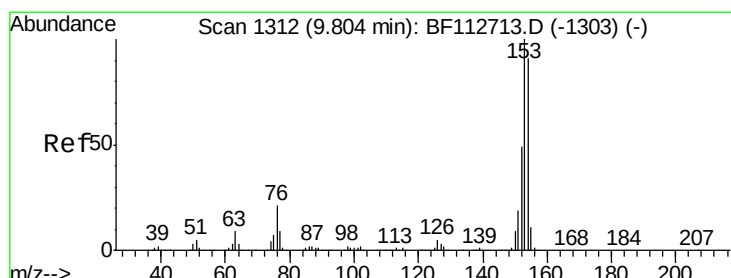
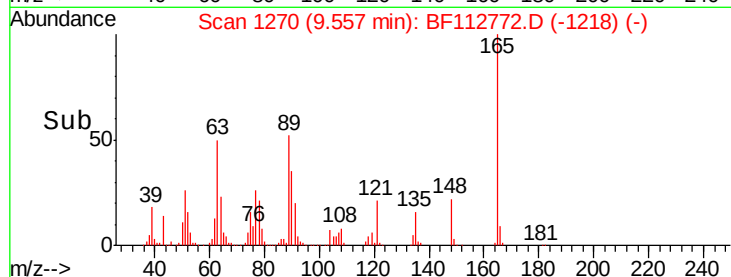
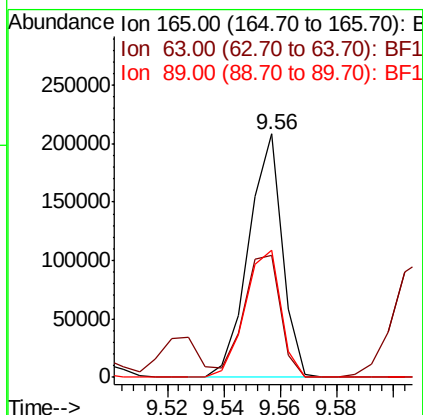
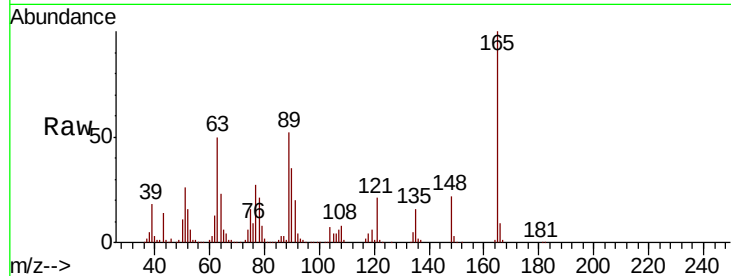
#51
2,6-Dinitrotoluene
Concen: 31.920 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	172428		
63	50.3		54.1	81.1#
89	52.3		52.8	79.2#

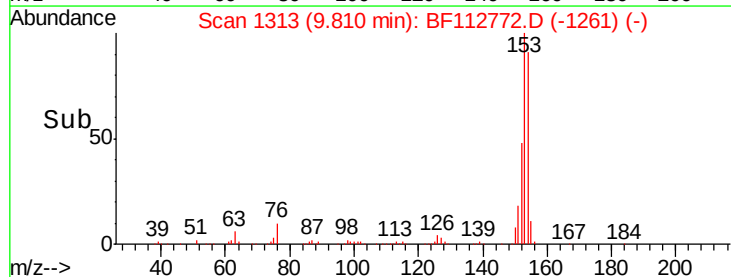
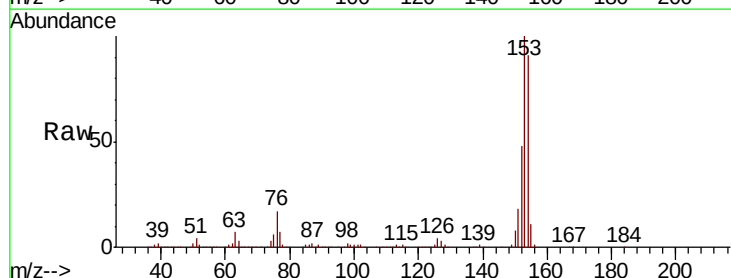
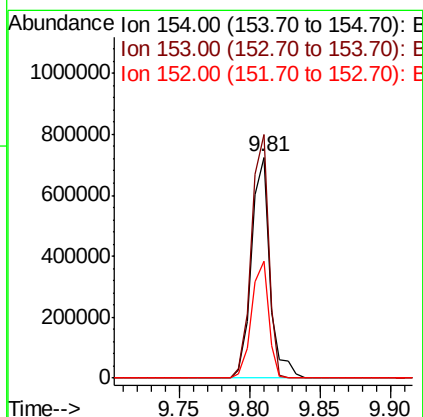
Manual Integrations
APPROVED

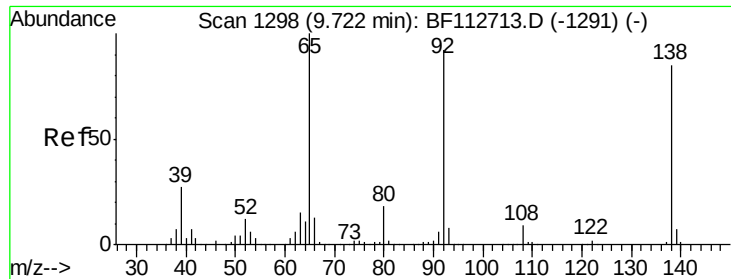
Sohil
3/1/2019 3:00:15 PM



#52
Acenaphthene
Concen: 30.105 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	669681		
153	110.4		87.8	131.8
152	53.3		43.0	64.6





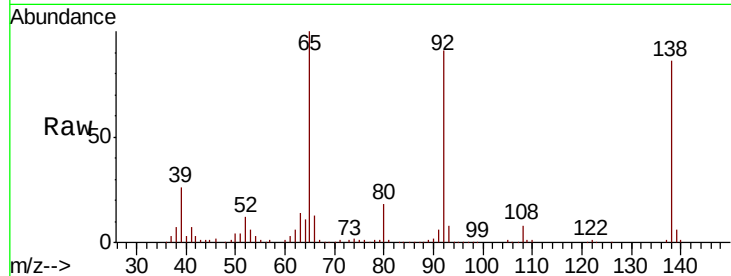
#53
3-Nitroaniline
Concen: 27.971 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.6	13.0
92	106.2	86.6	129.8

Manual Integrations
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Sohil
3/1/2019 3:00:15 PM

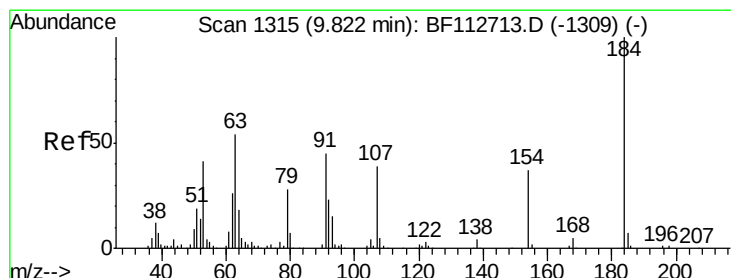
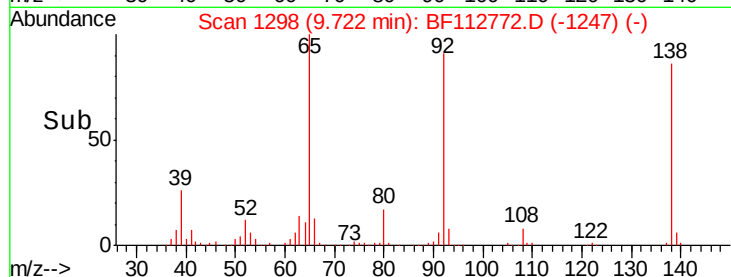
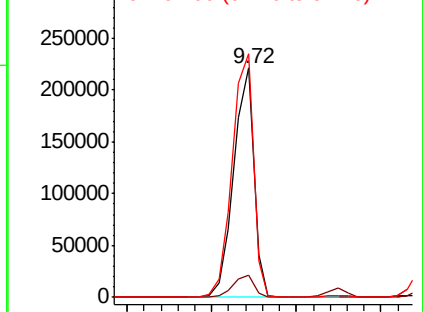


Abundance

Ion 138.00 (137.70 to 138.70): E

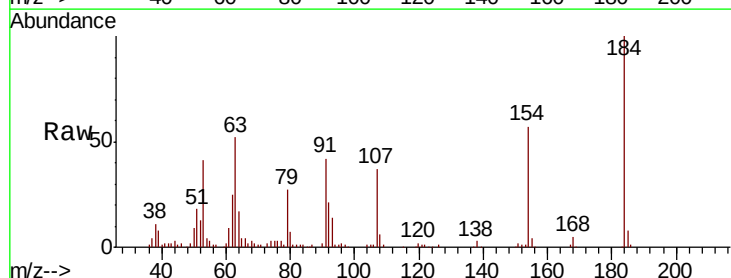
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 41.274 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
184	100		
63	52.1	45.3	67.9
154	56.8	46.0	69.0

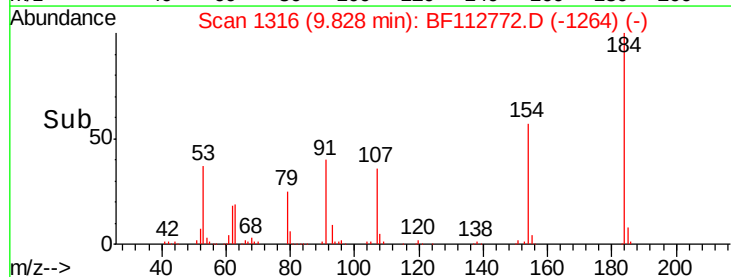
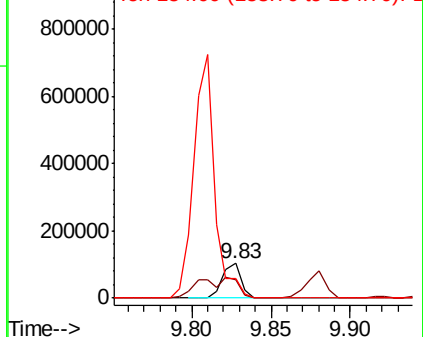


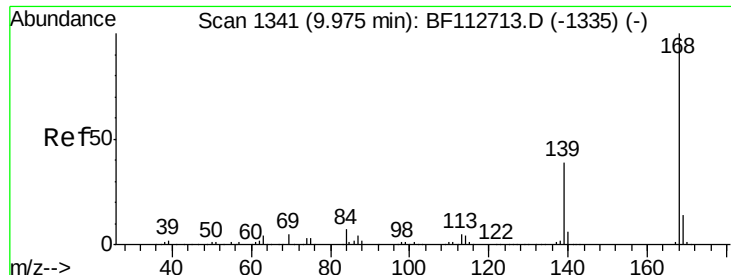
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





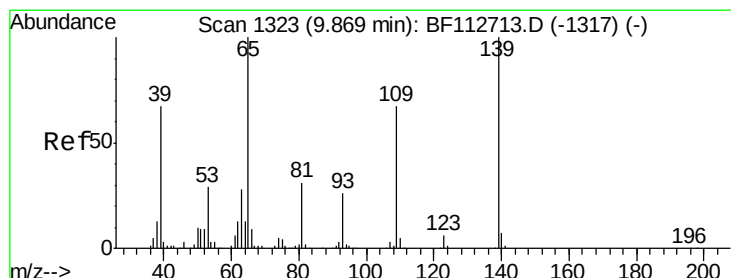
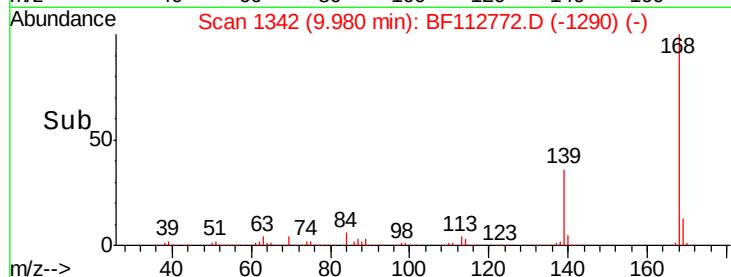
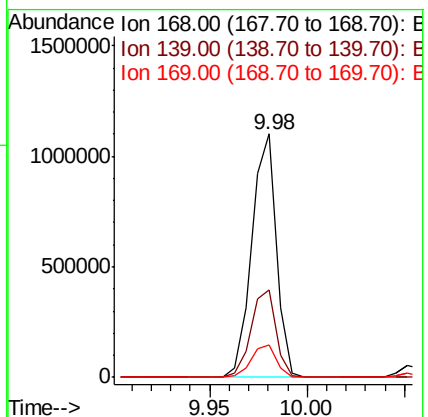
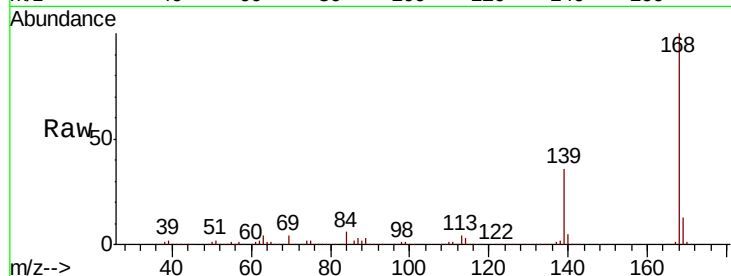
#55
Dibenzofuran
Concen: 29.634 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.7	31.3	46.9
169	13.4	11.3	16.9

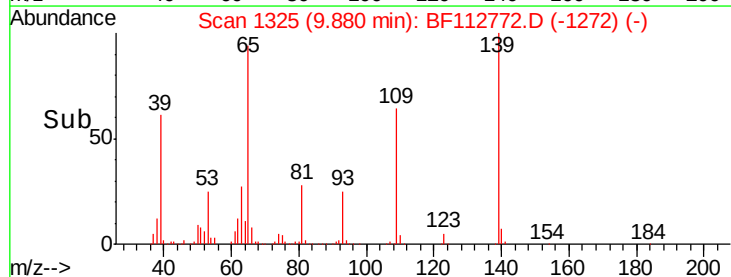
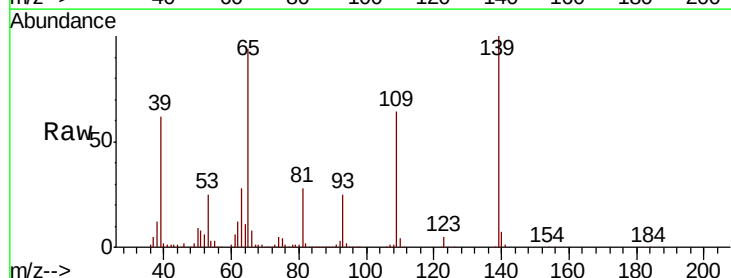
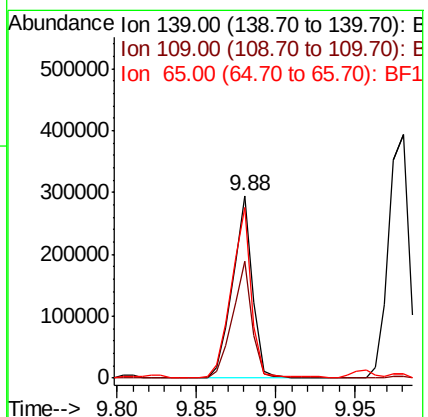
Manual Integrations
APPROVED

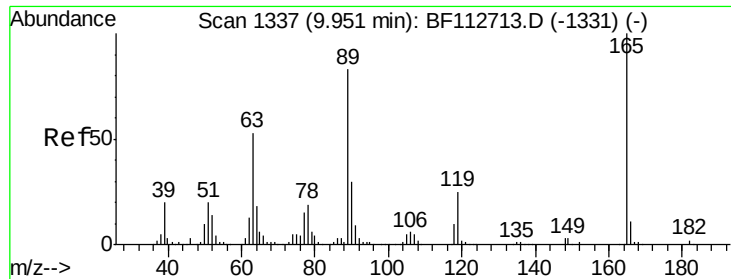
Sohil
3/1/2019 3:00:15 PM



#56
4-Nitrophenol
Concen: 48.203 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.3	46.8	86.8
65	93.6	80.7	120.7





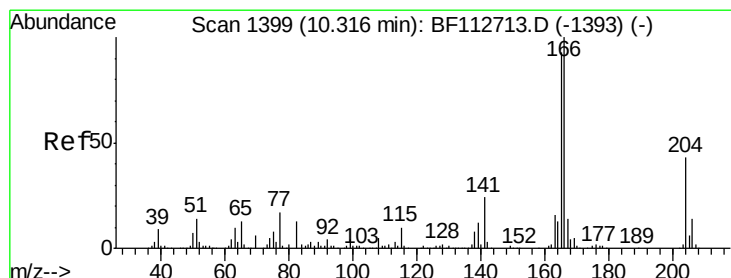
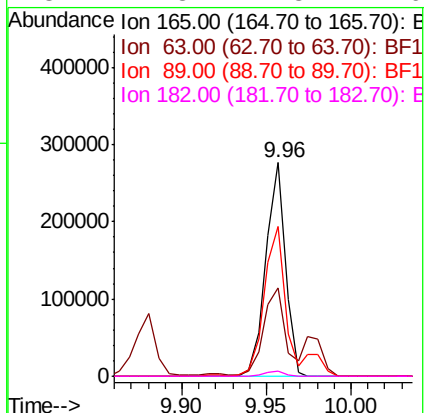
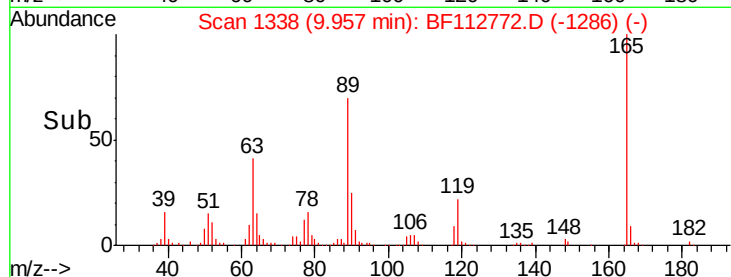
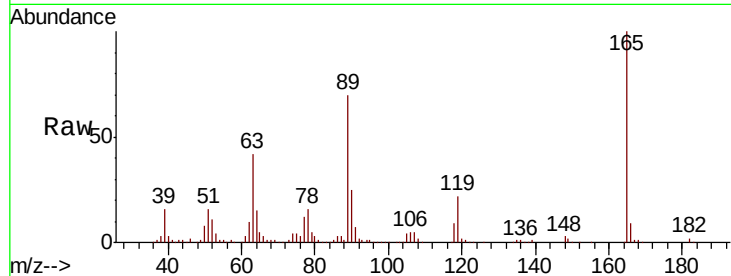
#57
2,4-Dinitrotoluene
Concen: 33.129 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.6	42.2	63.2#	
89	69.9	66.2	99.4	
182	2.3	1.8	2.6	

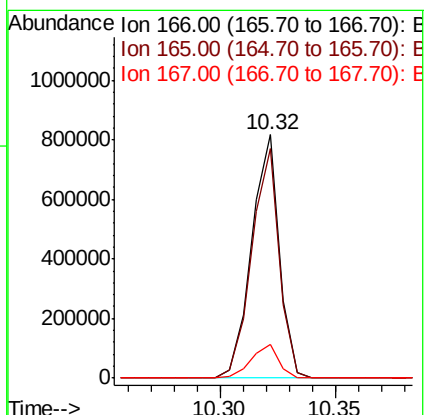
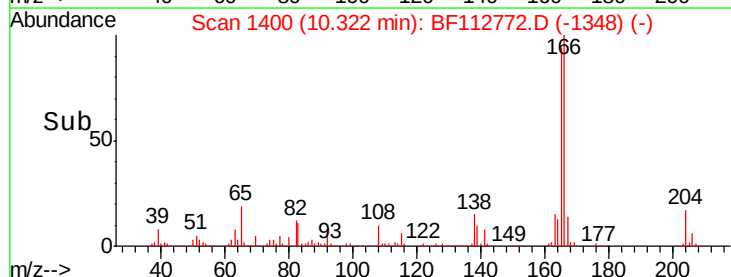
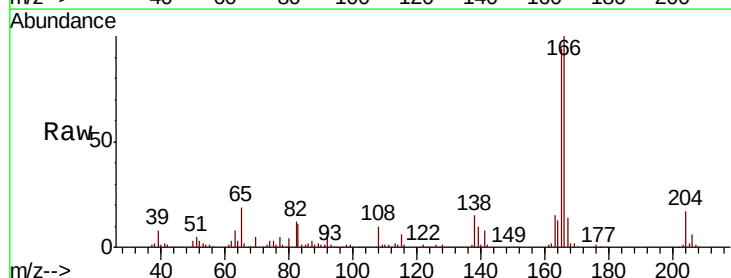
Manual Integrations
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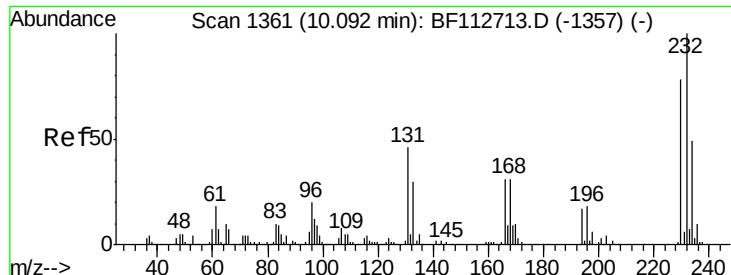
Sohil
3/1/2019 3:00:15 PM



#58
Fluorene
Concen: 29.801 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.1	74.7	112.1	
167	13.7	11.0	16.6	





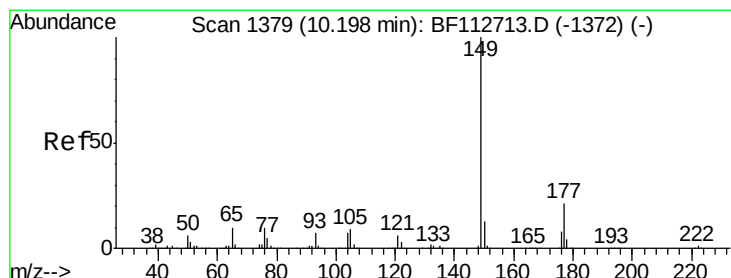
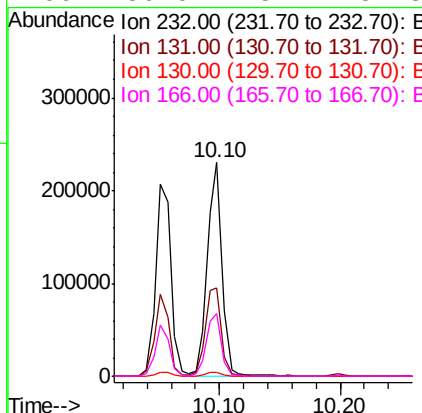
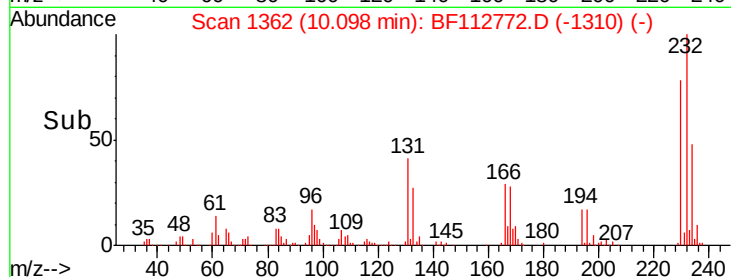
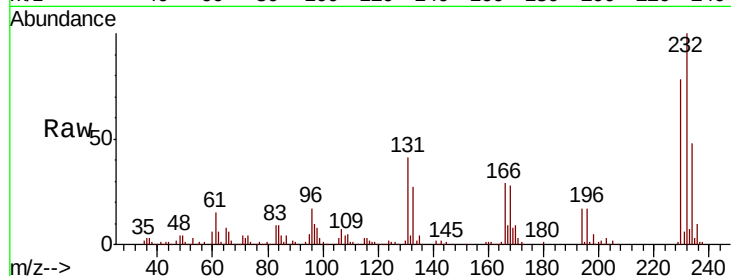
#59
2,3,4,6-Tetrachlorophenol
Concen: 30.604 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion:	232	Resp:	194593
Ion Ratio	Lower	Upper	
232	100		
131	45.1	38.7	58.1
130	2.0	1.9	2.9
166	30.0	25.2	37.8

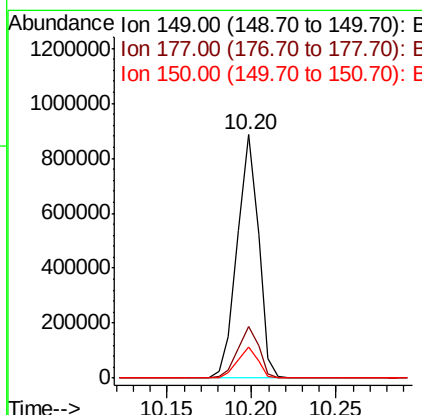
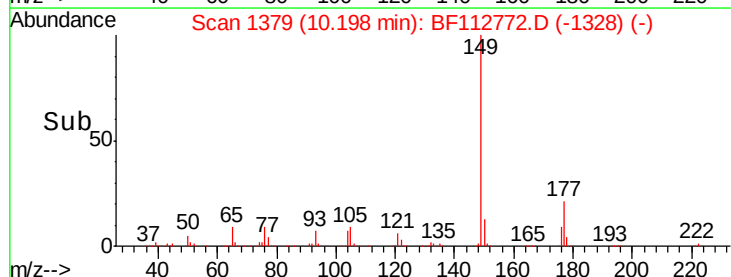
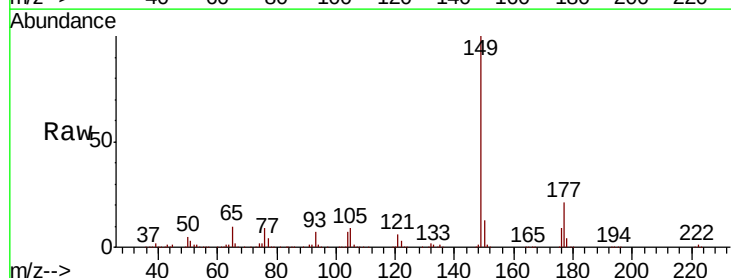
Manual Integrations
APPROVED

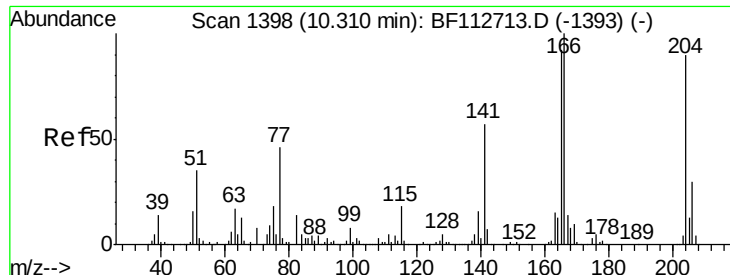
Sohil
3/1/2019 3:00:15 PM



#60
Diethylphthalate
Concen: 28.365 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion:	149	Resp:	777139
Ion Ratio	Lower	Upper	
149	100		
177	21.0	17.0	25.6
150	12.7	10.0	15.0





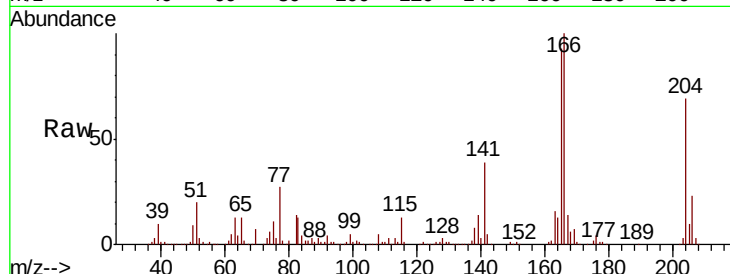
#61
4-Chlorophenyl-phenylether
Concen: 31.820 ng
RT: 10.32 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampled :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.6	40.0
141	56.5	50.8	76.2

Manual Integrations
APPROVED

Sohil
3/1/2019 3:00:15 PM

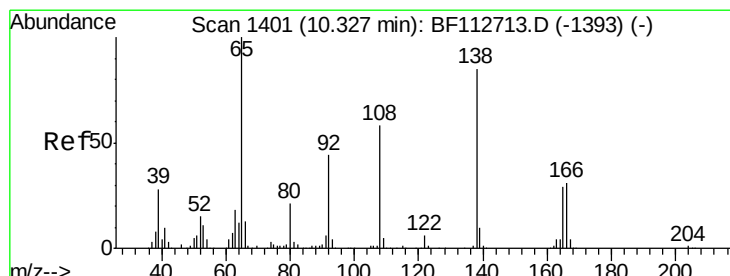
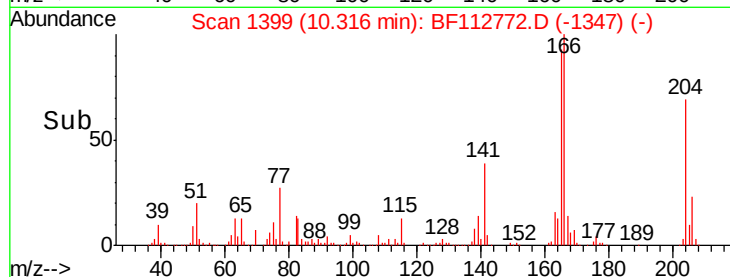
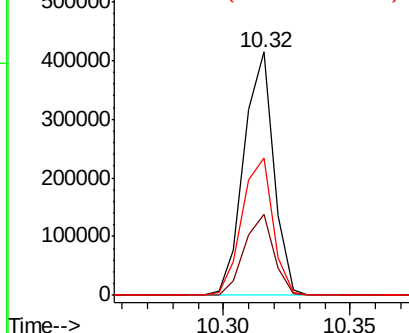


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 25.916 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

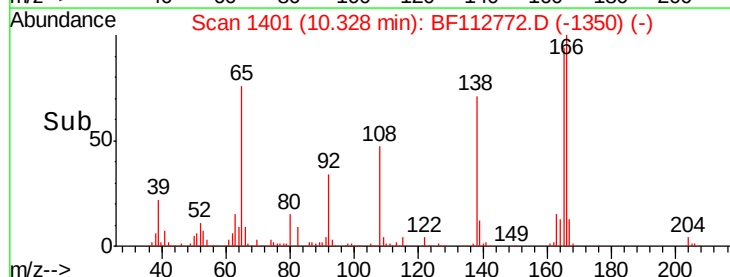
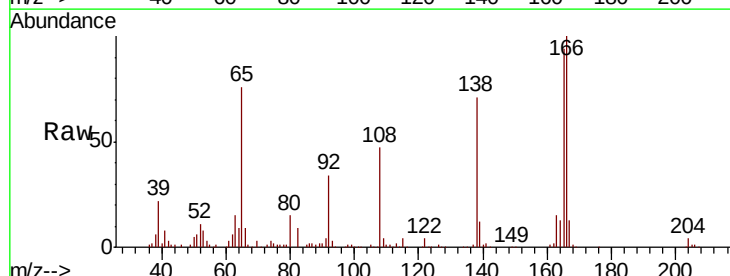
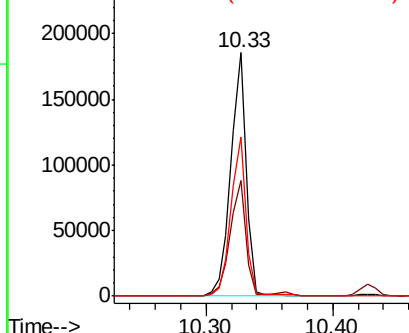
Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.6	31.3	71.3
108	65.3	48.1	88.1

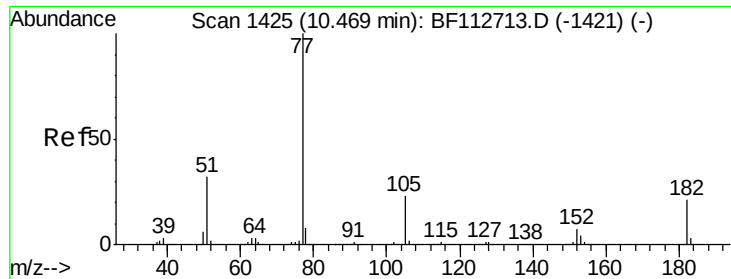
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





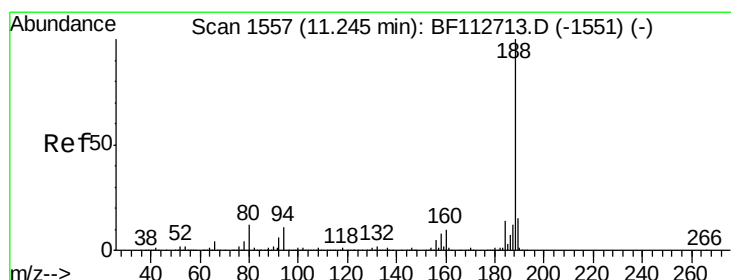
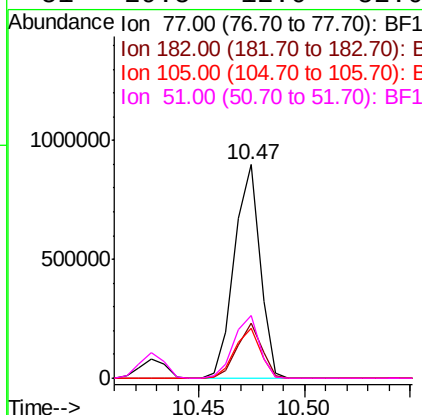
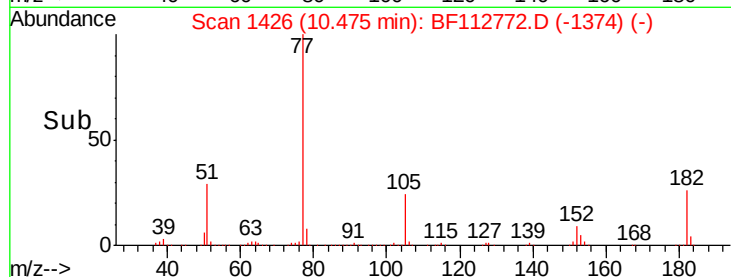
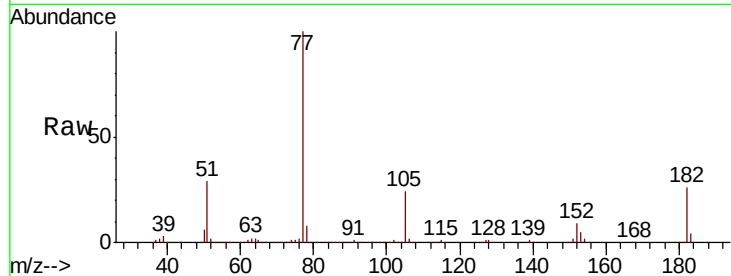
#63
Azobenzene
Concen: 26.834 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	25.8	1.4	41.4		
105	23.6	2.6	42.6		
51	29.5	12.0	52.0		

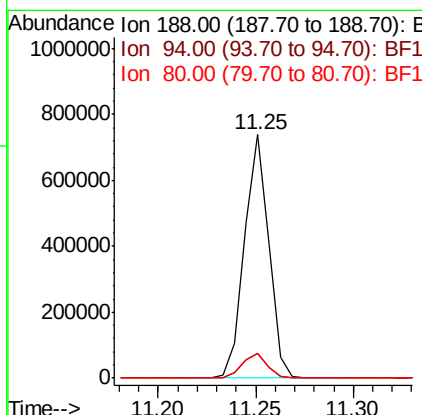
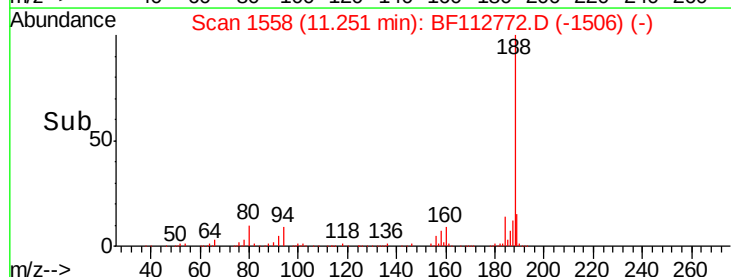
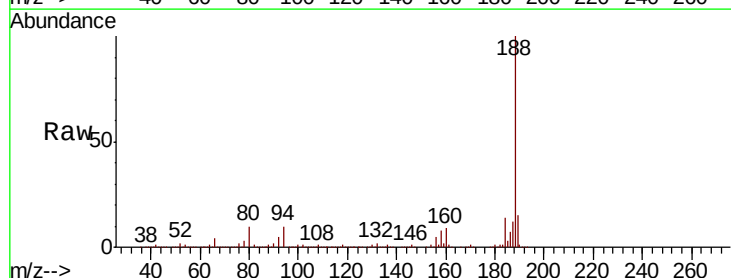
Manual Integrations
APPROVED

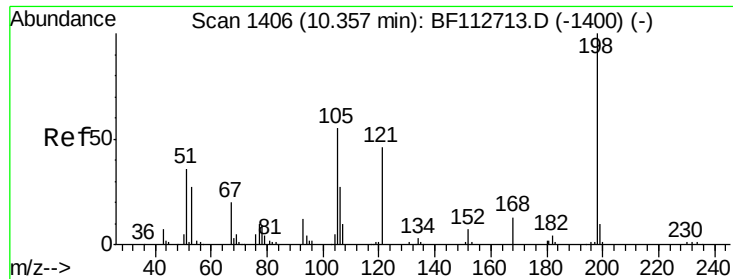
Sohil
3/1/2019 3:00:15 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.0	9.0	13.4		
80	10.2	9.2	13.8		





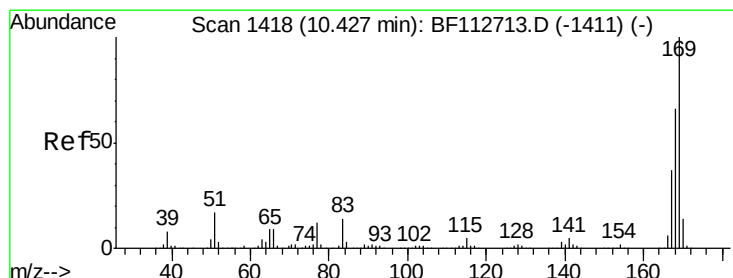
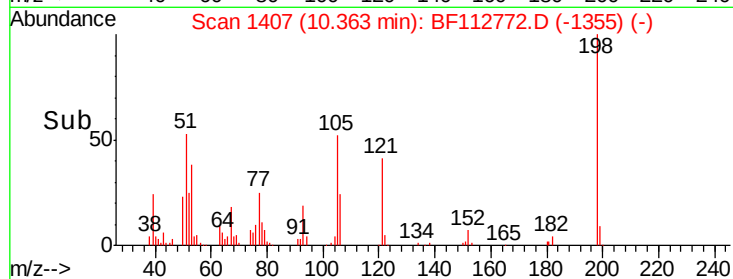
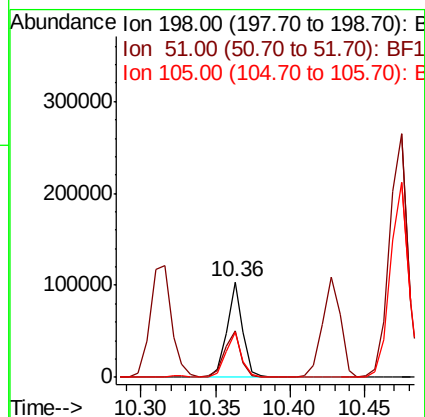
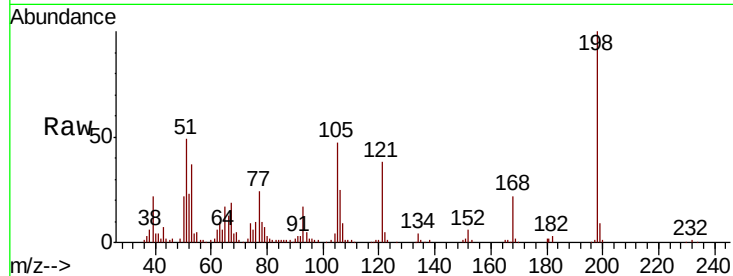
#65
4,6-Dinitro-2-methylphenol
Concen: 31.456 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	48.8	43.8	83.8
105	47.1	36.5	76.5

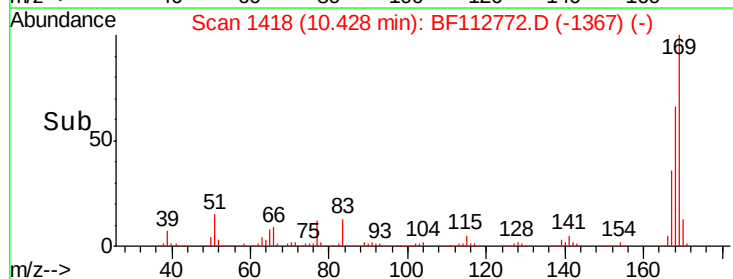
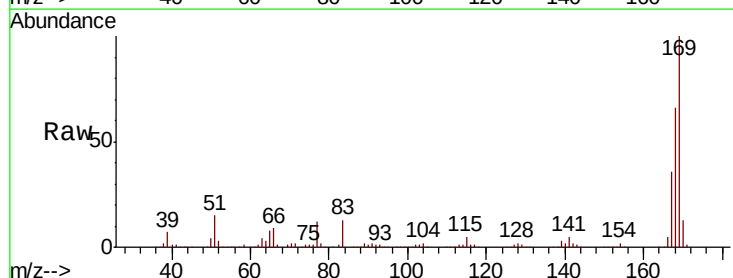
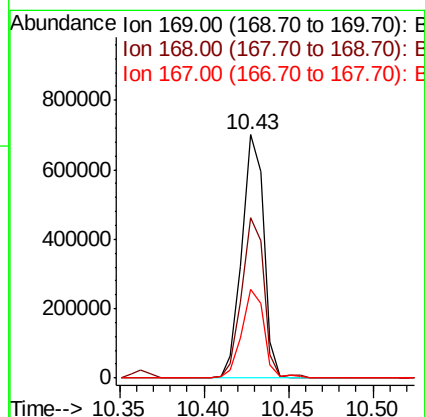
Manual Integrations
APPROVED

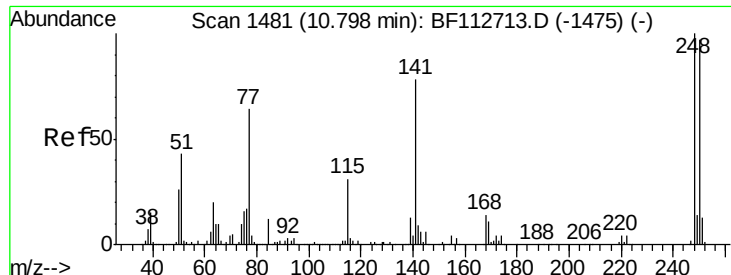
Sohil
3/1/2019 3:00:15 PM



#66
n-Nitrosodiphenylamine
Concen: 31.315 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.6
167	36.4	29.3	43.9





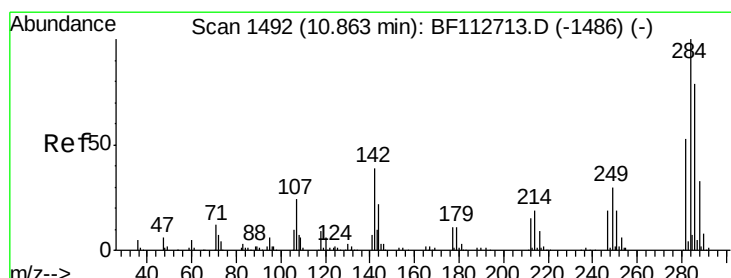
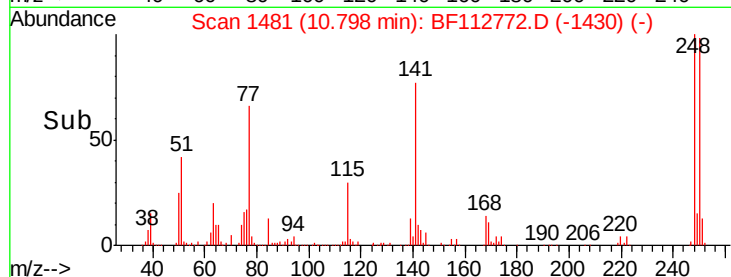
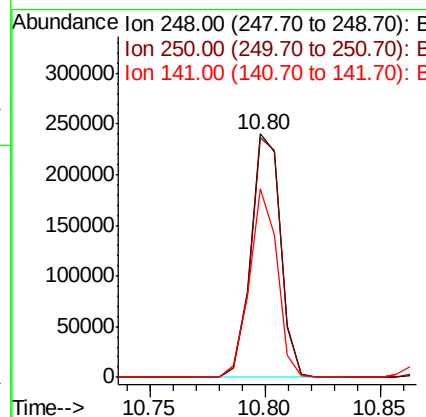
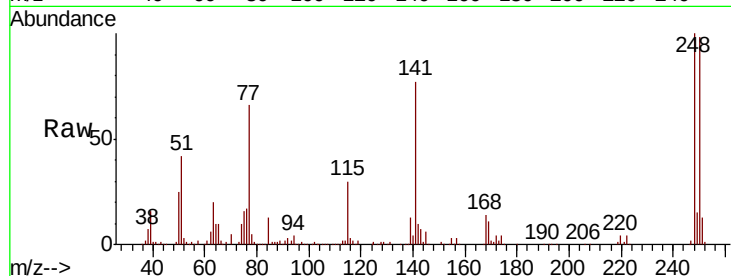
#67
4-Bromophenyl-phenylether
Concen: 32.325 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.5	116.3
141	77.2	62.4	93.6

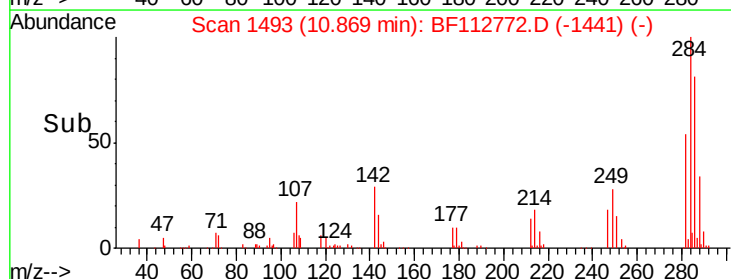
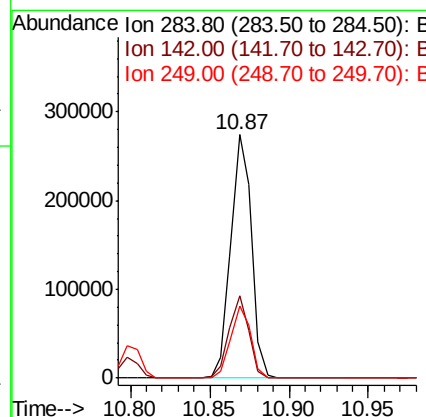
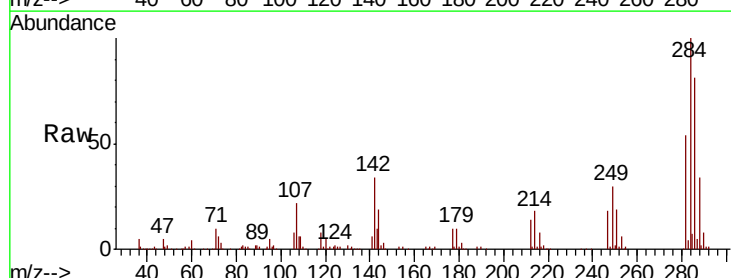
Manual Integrations
APPROVED

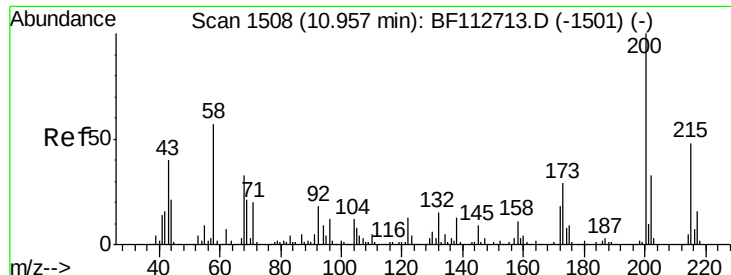
Sohil
3/1/2019 3:00:15 PM



#68
Hexachlorobenzene
Concen: 32.992 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.8	31.0	46.6
249	29.6	23.6	35.4





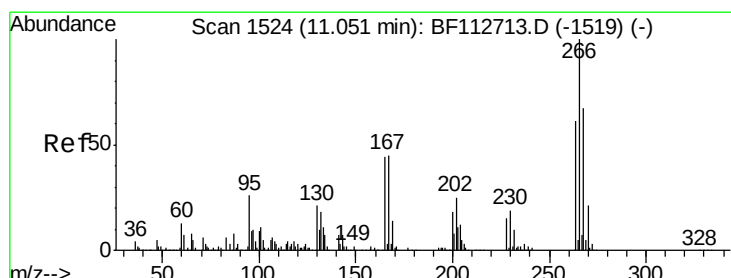
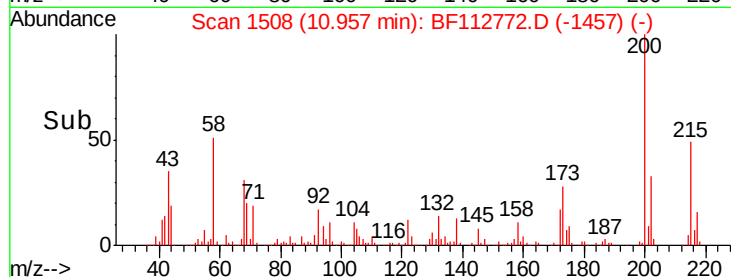
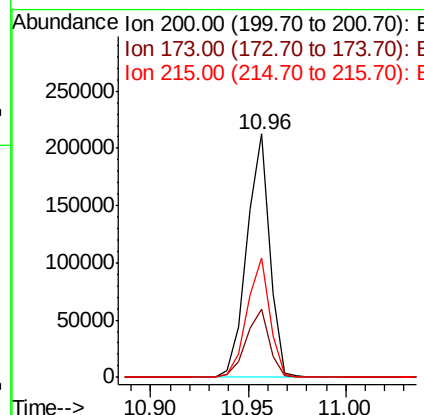
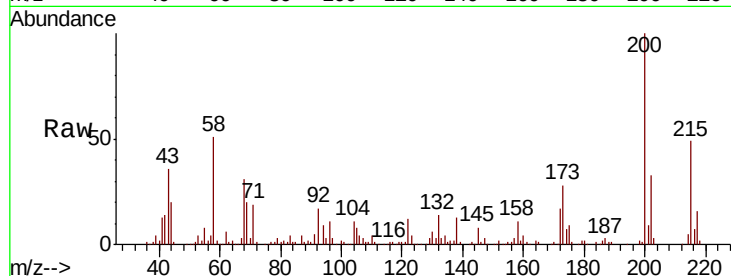
#69
Atrazine
Concen: 27.703 ng
RT: 10.96 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.9	9.1	49.1
215	49.1	28.2	68.2

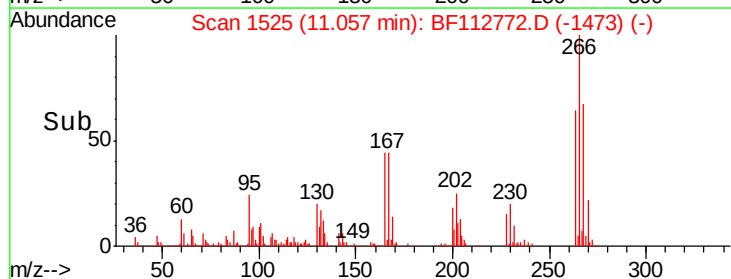
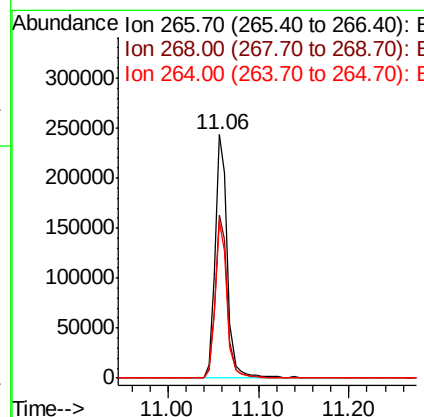
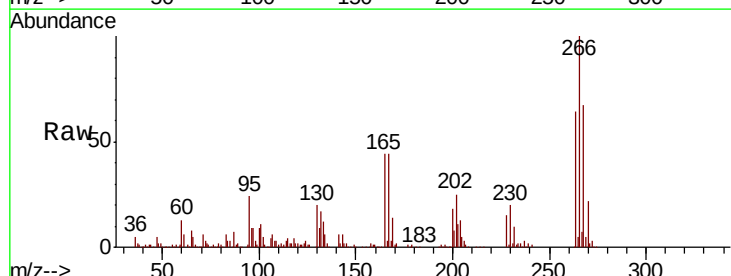
Manual Integrations
APPROVED

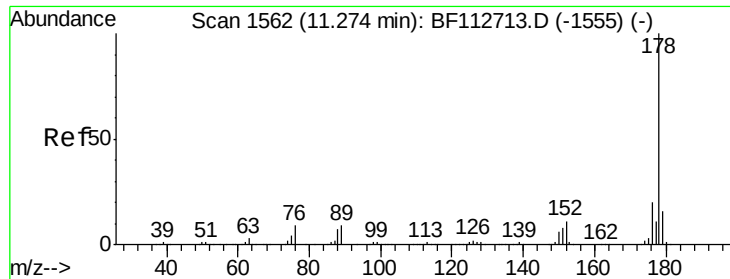
Sohil
3/1/2019 3:00:15 PM



#70
Pentachlorophenol
Concen: 52.593 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.0	53.3	79.9
264	64.2	48.9	73.3





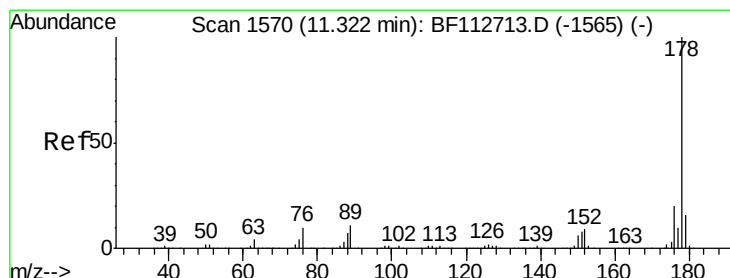
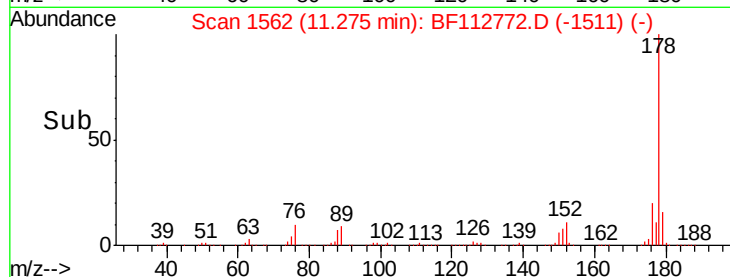
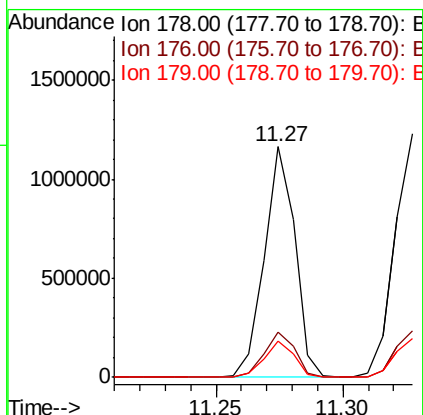
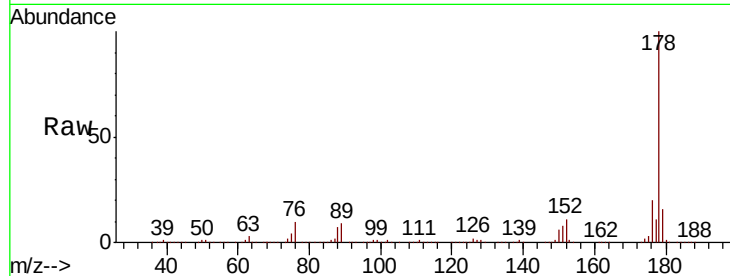
#71
Phenanthrene
Concen: 31.271 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.7	12.7	19.1

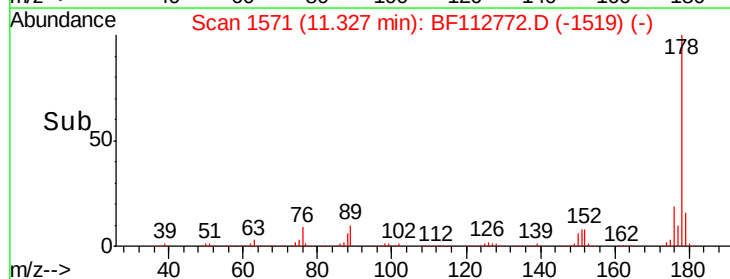
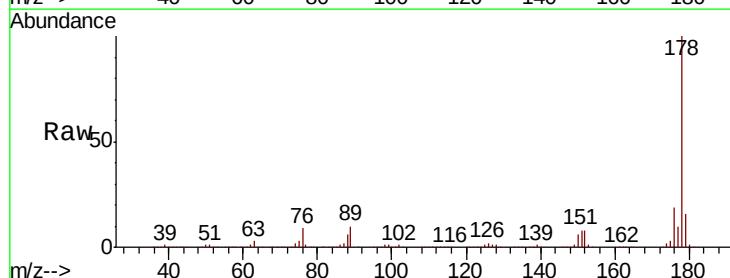
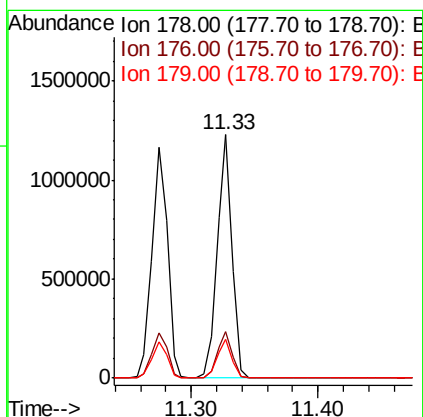
Manual Integrations
APPROVED

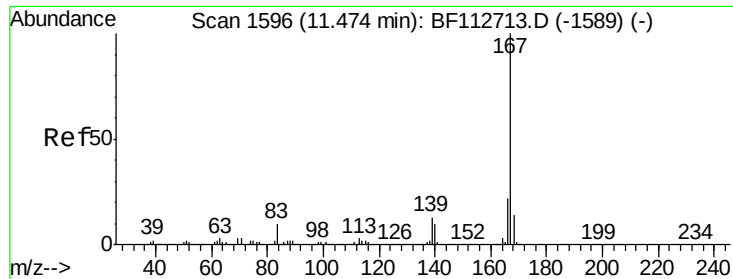
Sohil
3/1/2019 3:00:15 PM



#72
Anthracene
Concen: 30.618 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.8	13.0	19.6





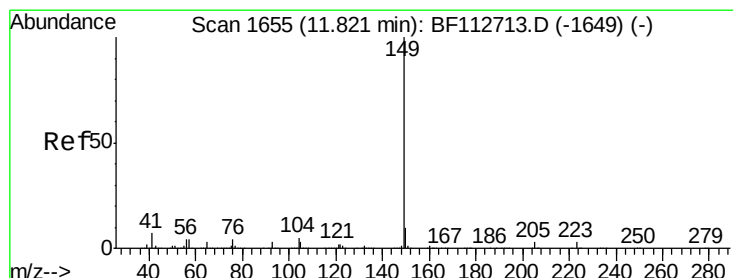
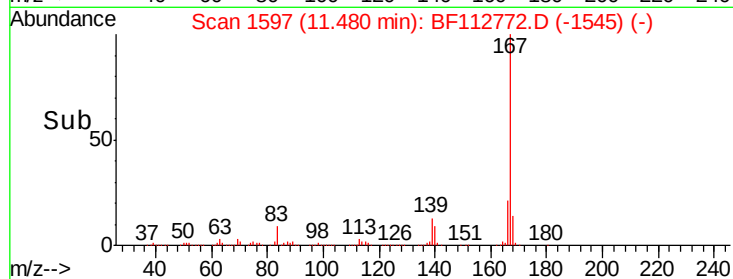
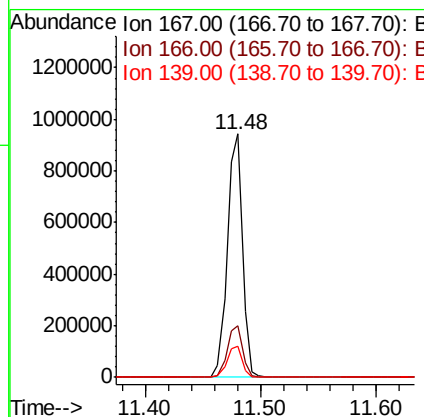
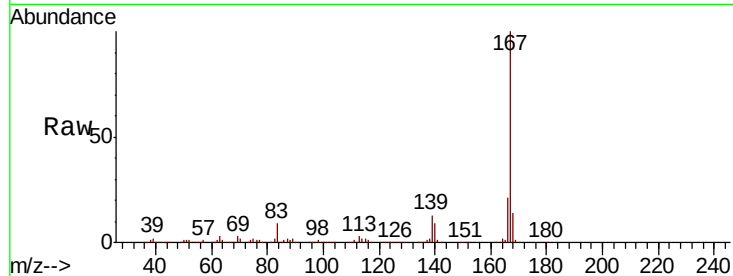
#73
 Carbazole
 Concen: 26.604 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Instrument :
 BNA_F
 ClientSampleId :
 B-5(9-10)MSD

Tot Ion:	167	Resp:	856821
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.5	26.3
139	12.8	10.8	16.2

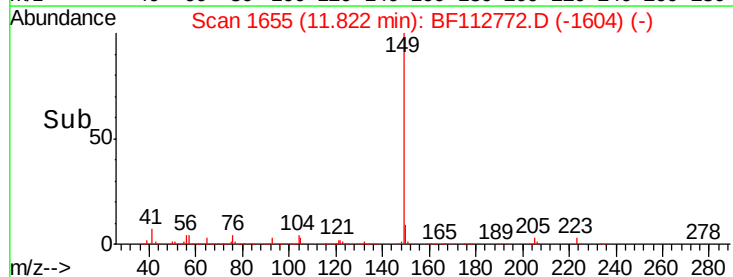
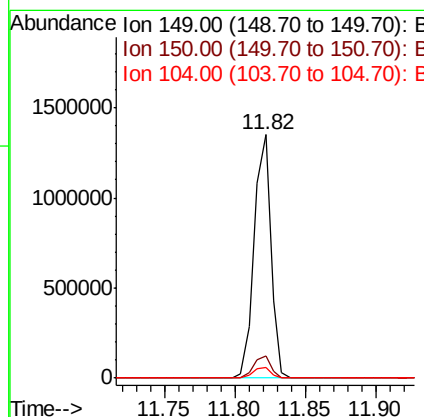
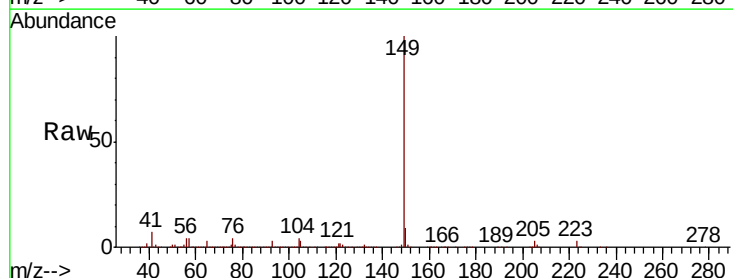
Manual Integrations
 APPROVED

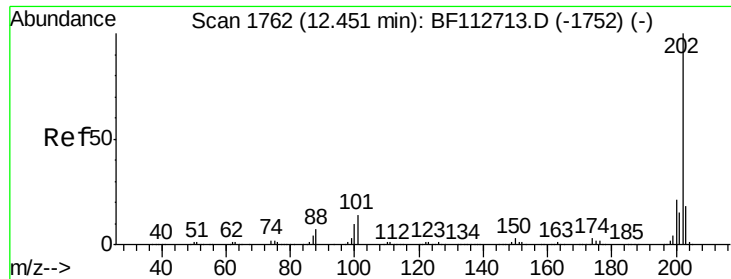
Sohil
 3/1/2019 3:00:15 PM



#74
 Di-n-butylphthalate
 Concen: 29.335 ng
 RT: 11.82 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: BF112772.D
 Acq: 28 Feb 2019 20:23

Tgt Ion:	149	Resp:	1132834
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.6	11.4
104	4.5	3.7	5.5





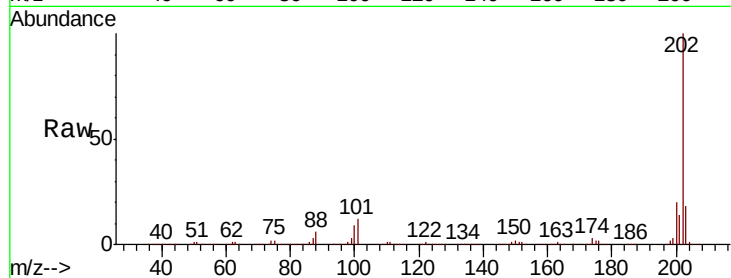
#75
Fluoranthene
Concen: 28.434 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

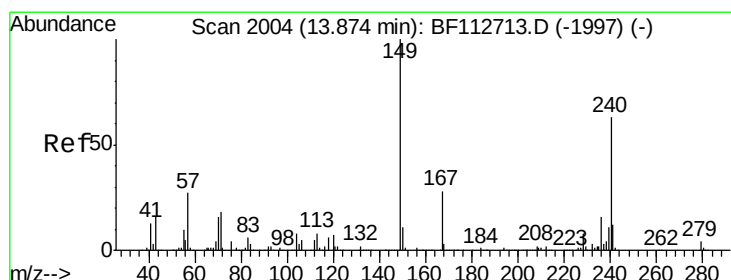
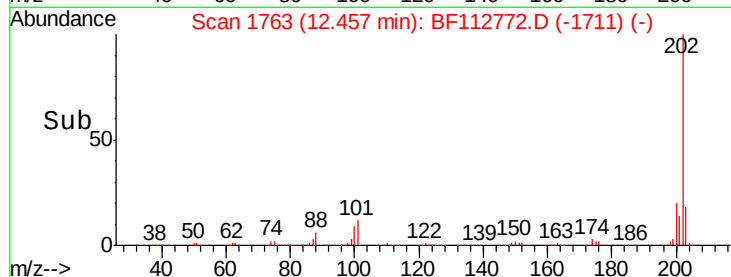
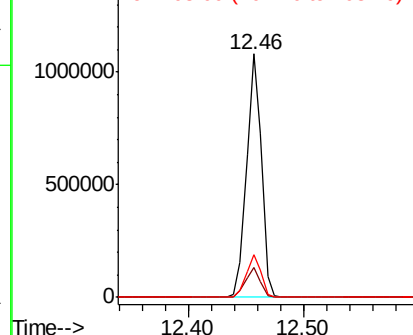
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	33.8
203	17.6	0.0	38.4

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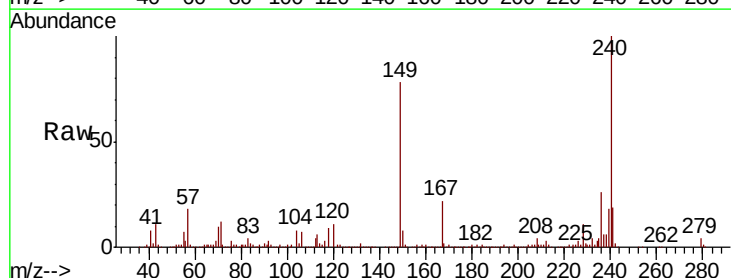


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

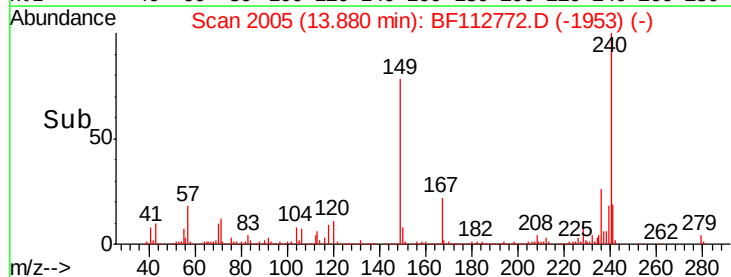
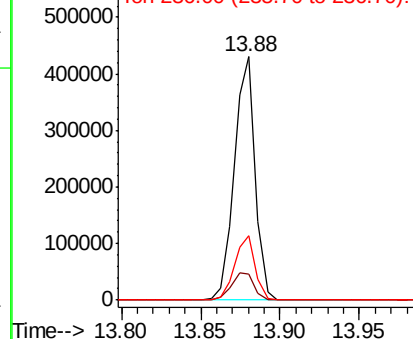


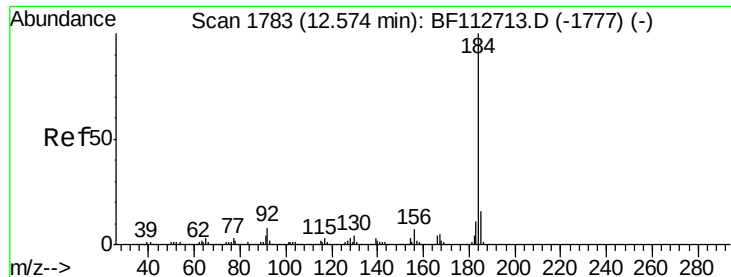
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	8.9	13.3
236	26.3	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 22.057 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

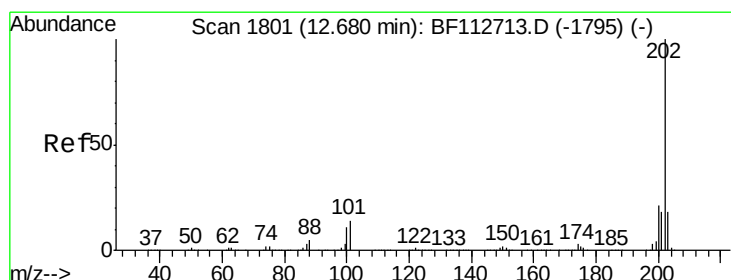
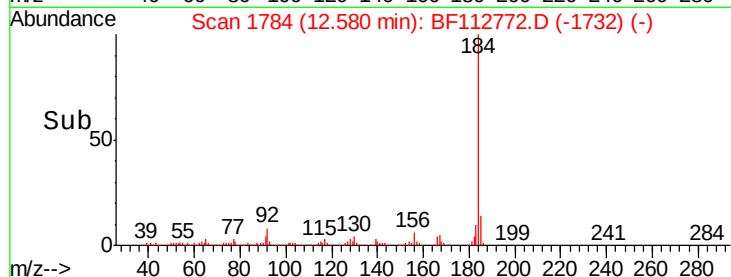
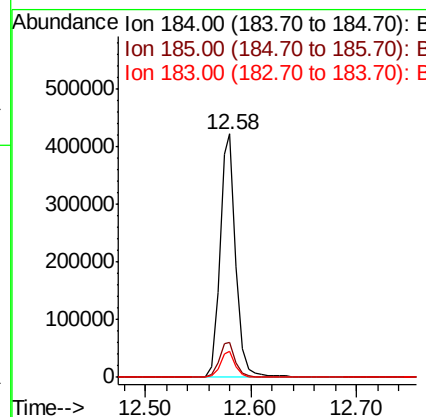
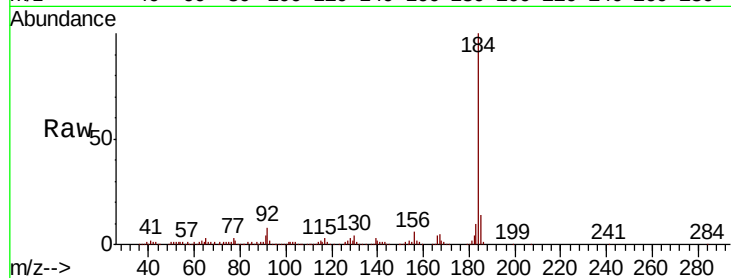
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	184	Resp:	445461
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.6	18.8
183	10.5	8.6	12.8

Manual Integrations
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3/1/2019 3:00:15 PM



#78

Pyrene

Concen: 28.866 ng

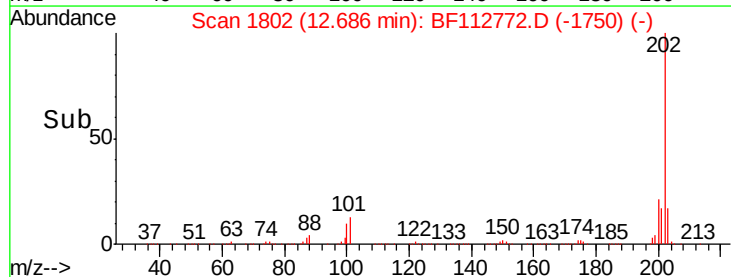
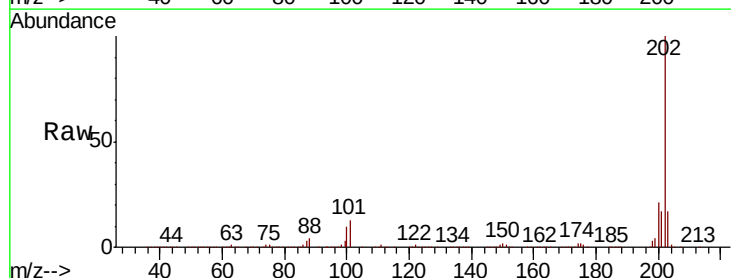
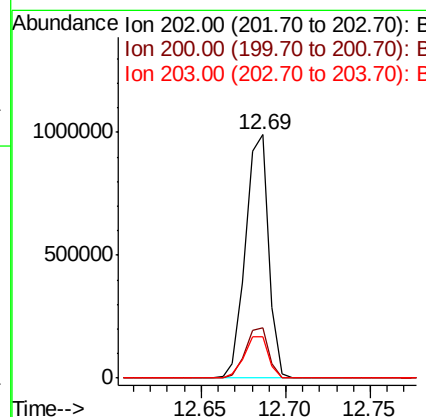
RT: 12.69 min Scan# 1802

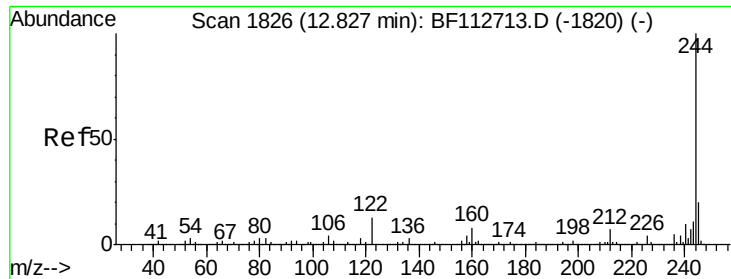
Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	202	Resp:	947284
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	17.2	14.4	21.6





#79

Terphenyl-d14

Concen: 61.182 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

ClientSampleId :

B-5(9-10)MSD

Tot Ion:244 Resp: 1228598

Ion Ratio Lower Upper

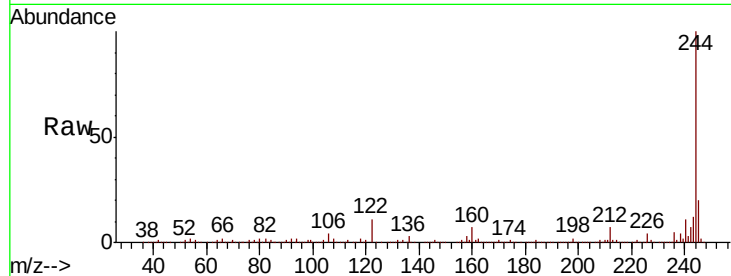
244 100

212 6.8 5.6 8.4

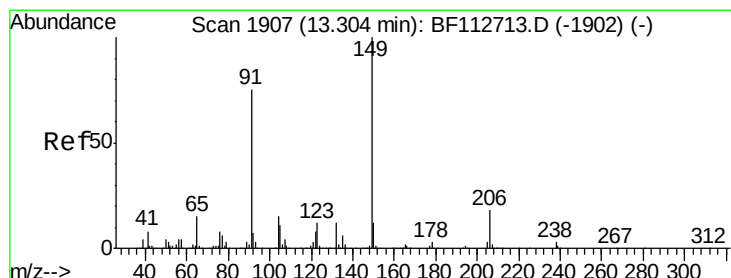
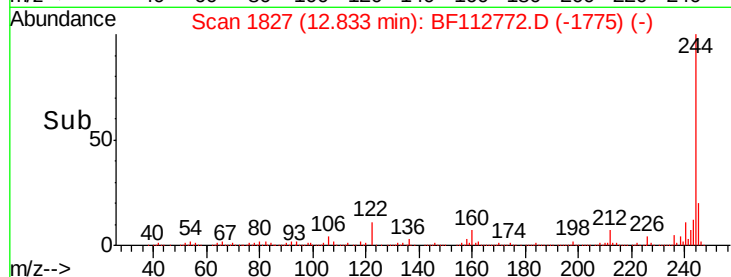
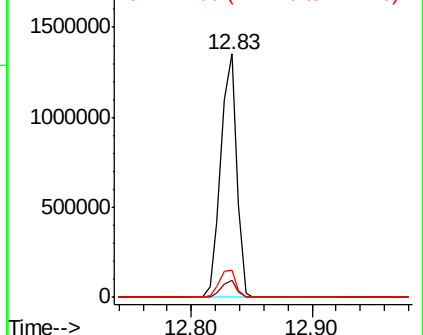
122 11.4 10.5 15.7

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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: 28.713 ng

RT: 13.31 min Scan# 1908

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

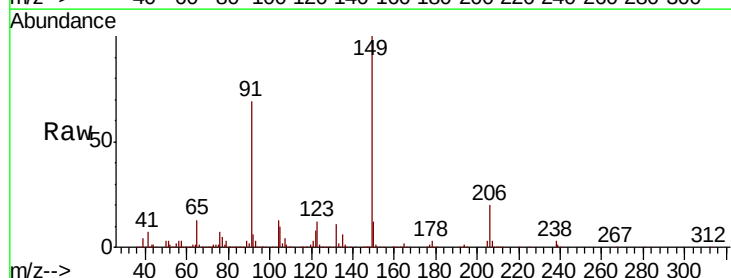
Tgt Ion:149 Resp: 415918

Ion Ratio Lower Upper

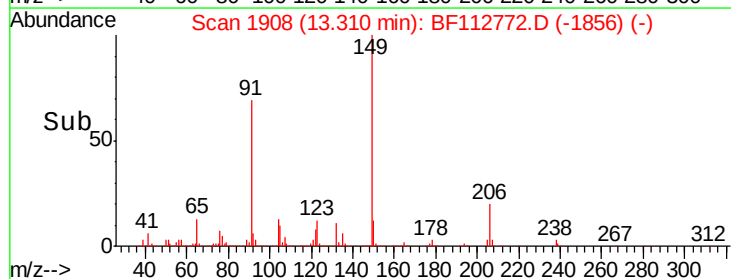
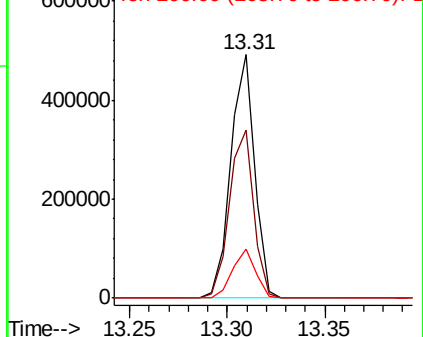
149 100

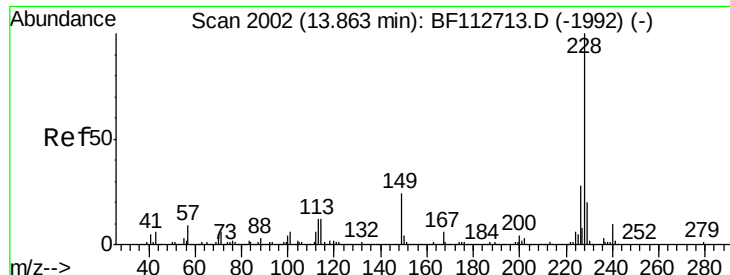
91 69.2 59.9 89.9

206 20.4 14.7 22.1



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: 28.624 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

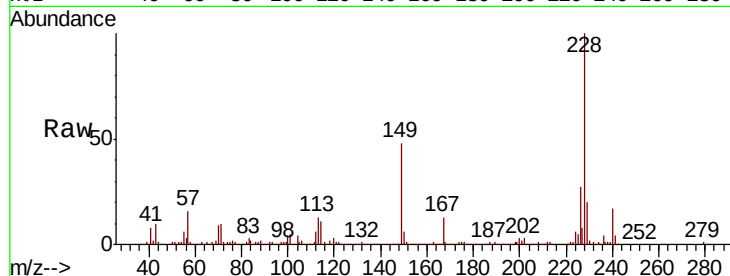
ClientSampleId :

B-5(9-10)MSD

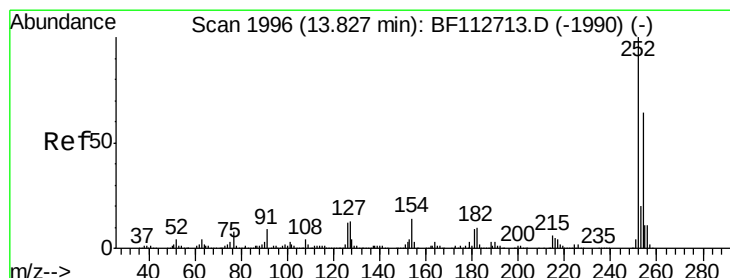
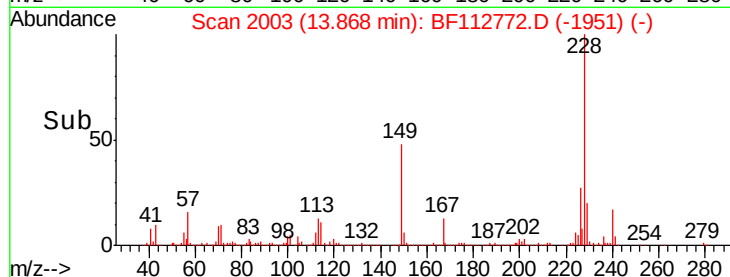
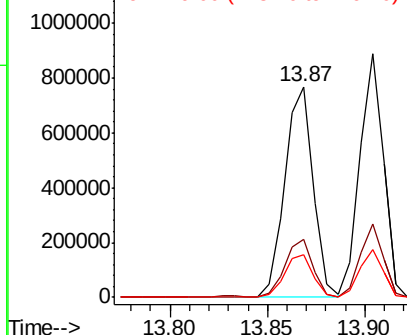
Tot Ion:	228	Resp:	772254
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.2	33.4
229	20.0	16.0	24.0

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.799 ng

RT: 13.83 min Scan# 1996

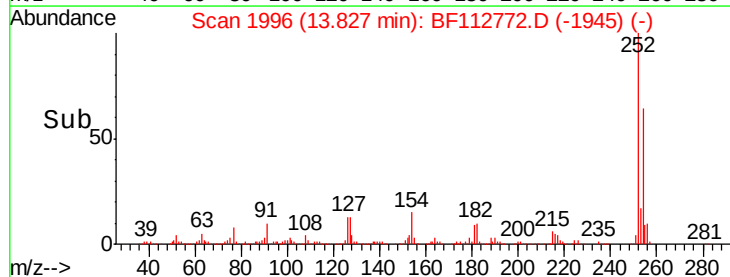
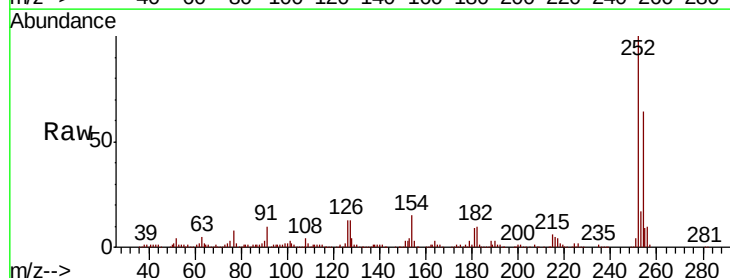
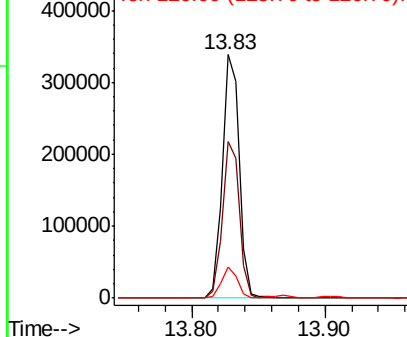
Delta R.T. 0.00 min

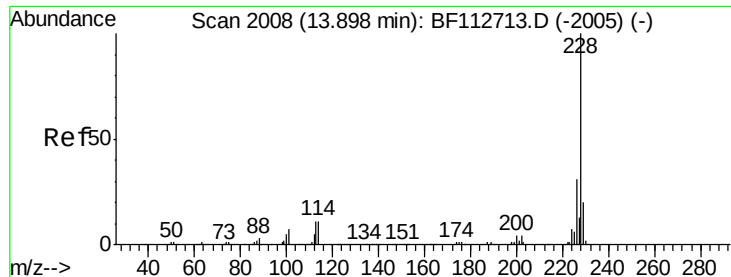
Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	252	Resp:	304051
Ion Ratio	Lower	Upper	
252	100		
254	64.2	51.1	76.7
126	13.1	9.9	14.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 28.399 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

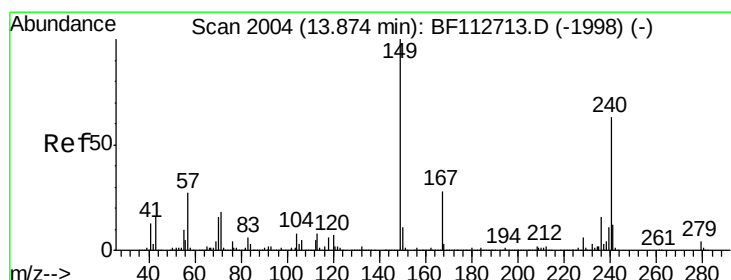
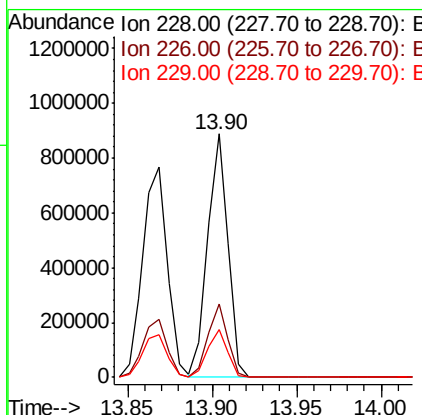
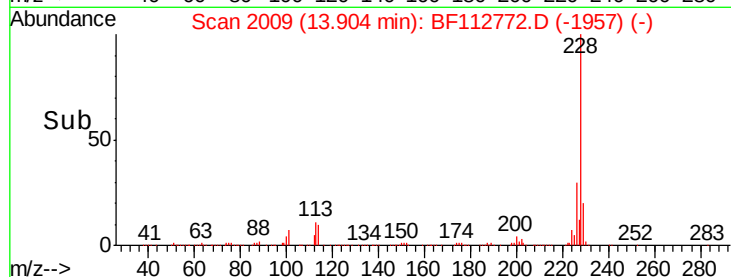
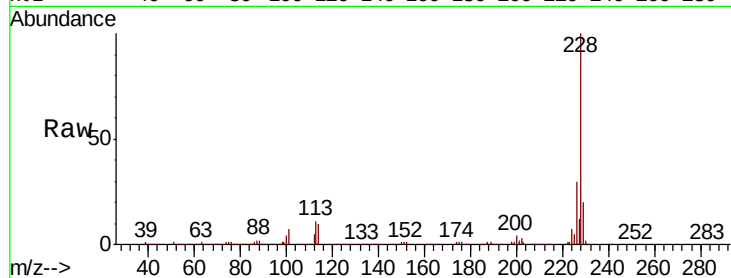
ClientSampleId :

B-5(9-10)MSD

Tot Ion:	228	Resp:	750496
Ion Ratio		Lower	Upper
228	100		
226	29.9	24.9	37.3
229	19.7	16.3	24.5

Manual Integrations
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3/1/2019 3:00:15 PM



#84

Bis(2-ethylhexyl)phthalate

Concen: 30.261 ng

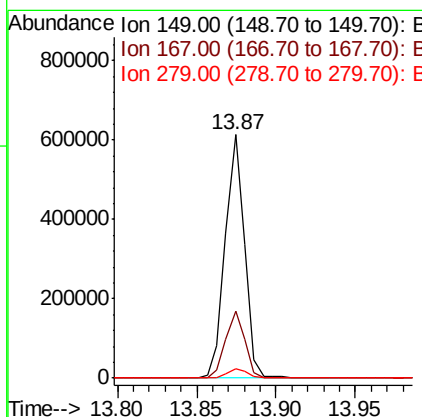
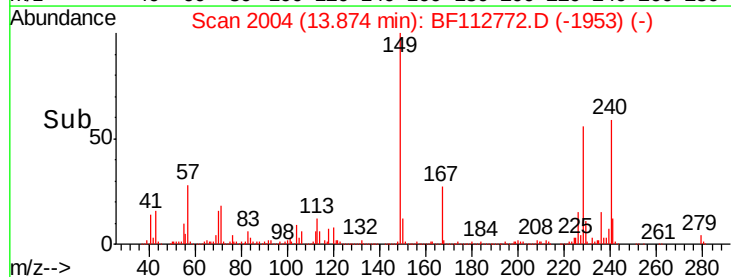
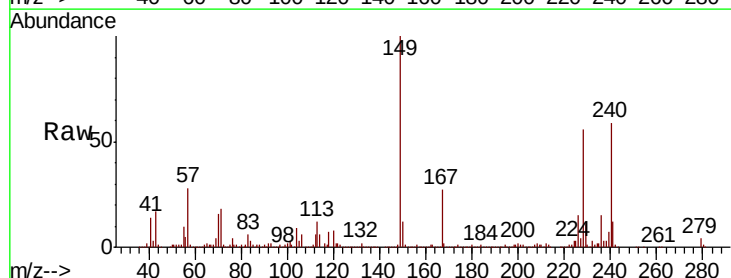
RT: 13.87 min Scan# 2004

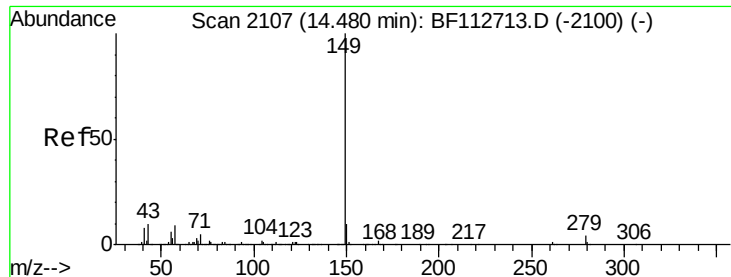
Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Tgt Ion:	149	Resp:	514139
Ion Ratio		Lower	Upper
149	100		
167	27.5	22.4	33.6
279	3.7	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 32.261 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.00 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

Instrument :

BNA_F

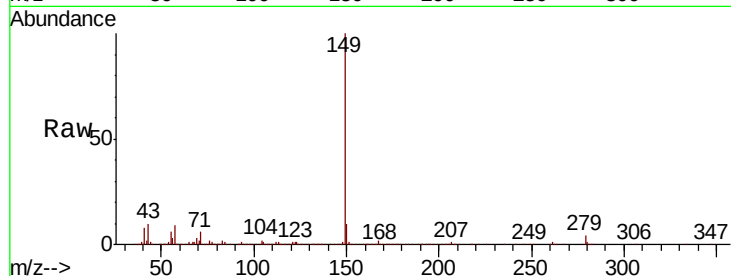
ClientSampled :

B-5(9-10)MSD

Tot Ion:	149	Resp:	941197
Ion Ratio		Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.1	9.0	13.4

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3/1/2019 3:00:15 PM

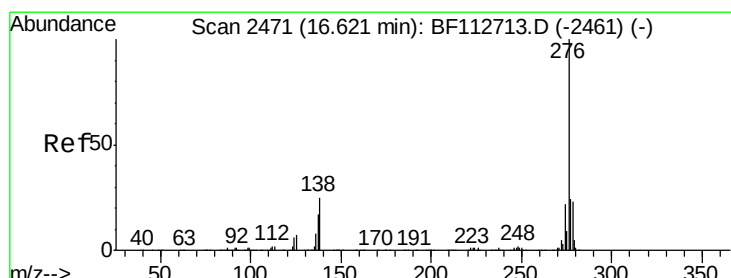
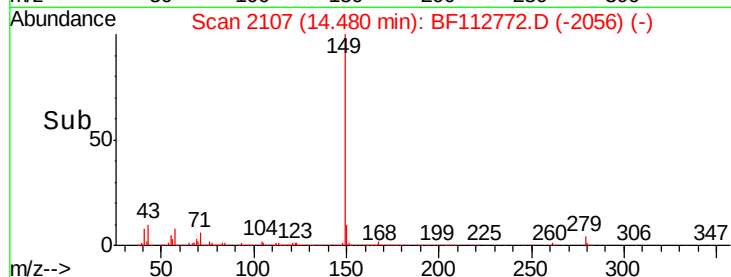
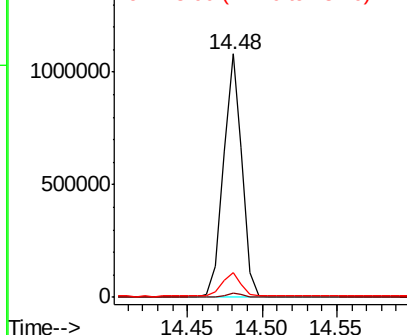


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.794 ng

RT: 16.65 min Scan# 2476

Delta R.T. 0.03 min

Lab File: BF112772.D

Acq: 28 Feb 2019 20:23

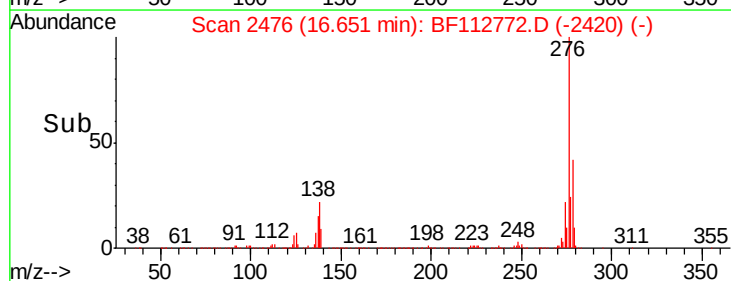
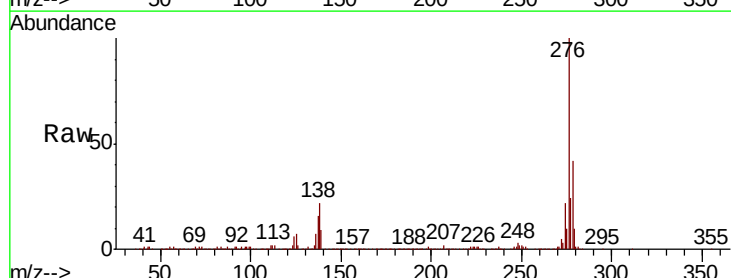
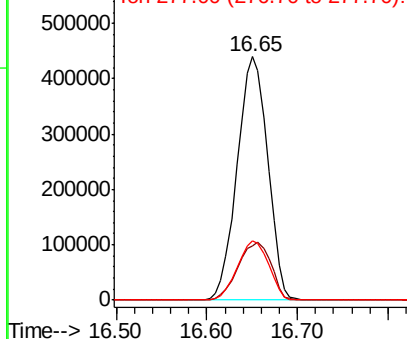
Tgt Ion:	276	Resp:	1031707
Ion Ratio		Lower	Upper
276	100		
138	25.9	23.2	34.8
277	25.1	19.9	29.9

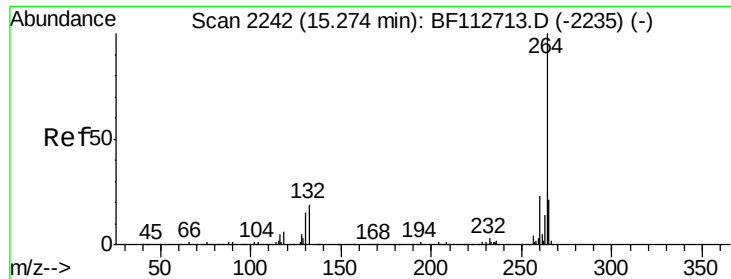
Abundance

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





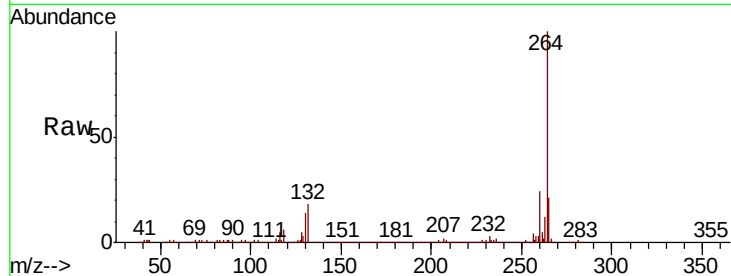
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.2	17.2	25.8

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3/1/2019 3:00:15 PM

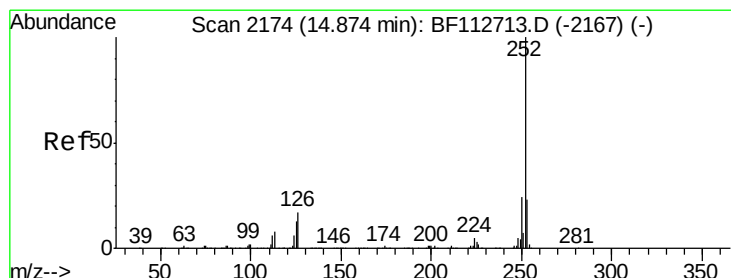
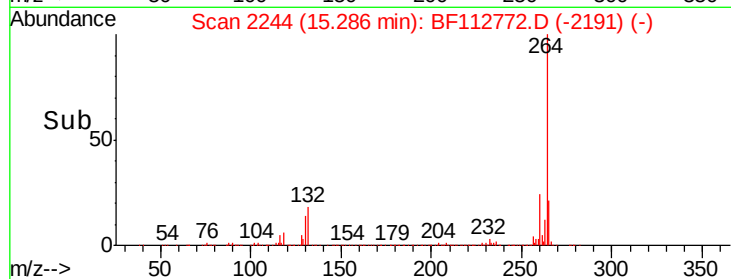
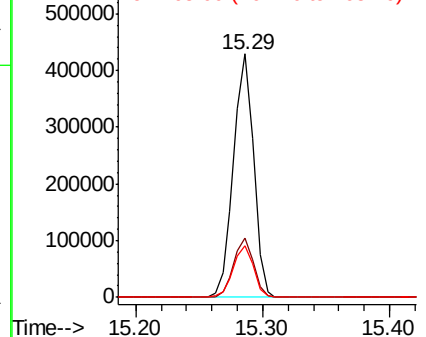


Abundance

Ion 264.00 (263.70 to 264.70): E

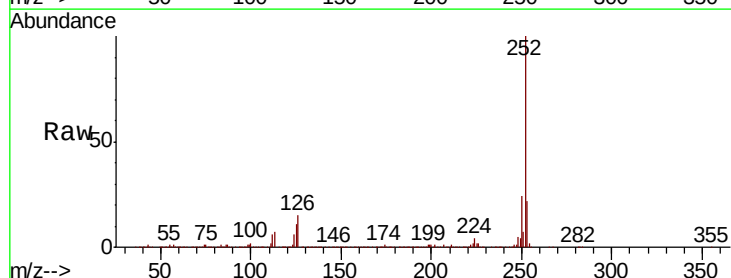
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 26.373 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	10.8	10.2	15.2

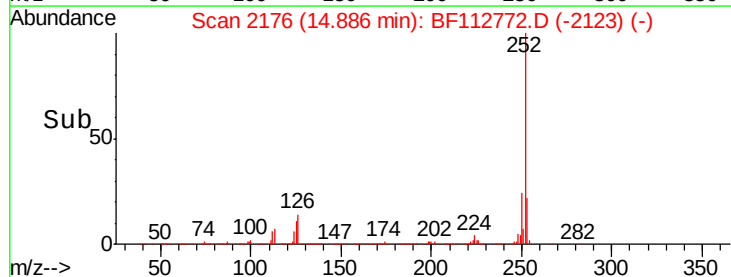
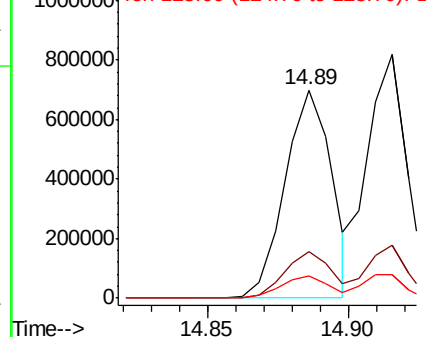


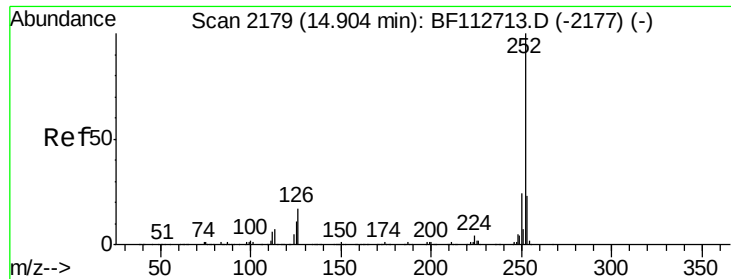
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





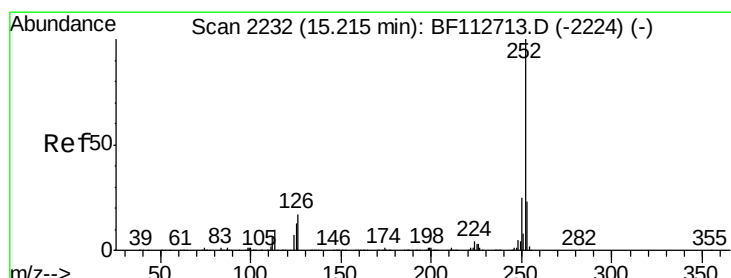
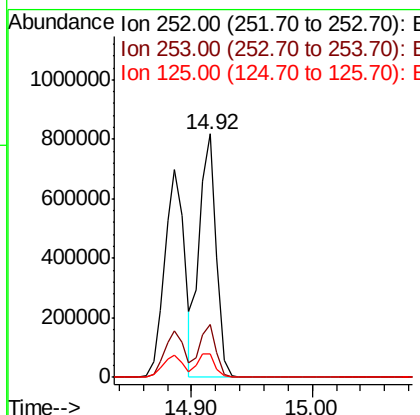
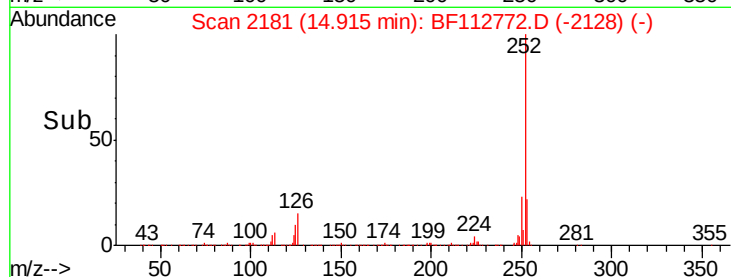
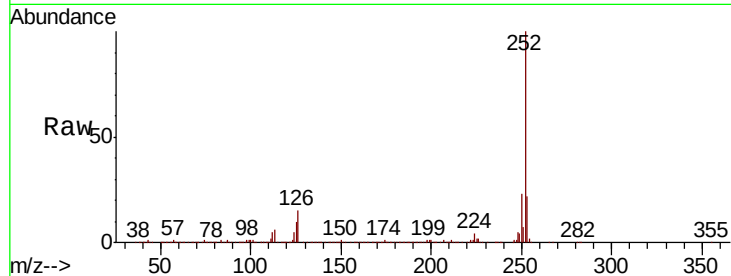
#89
Benzo(k)fluoranthene
Concen: 28.710 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.9	9.8	14.6

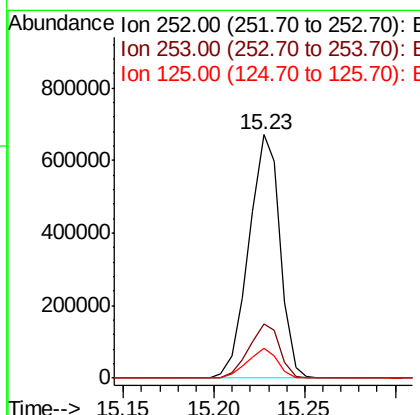
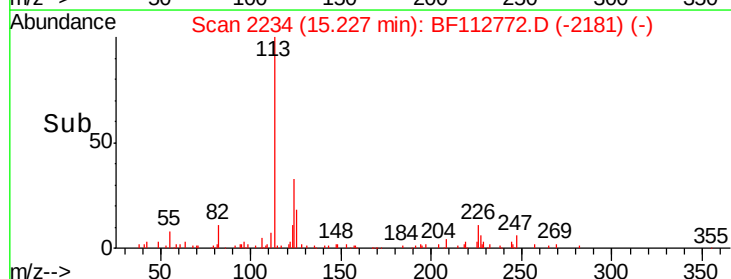
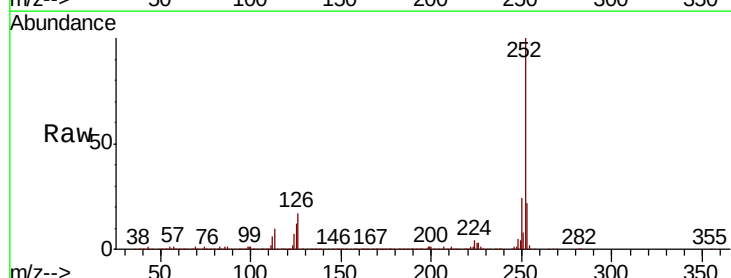
Manual Integrations
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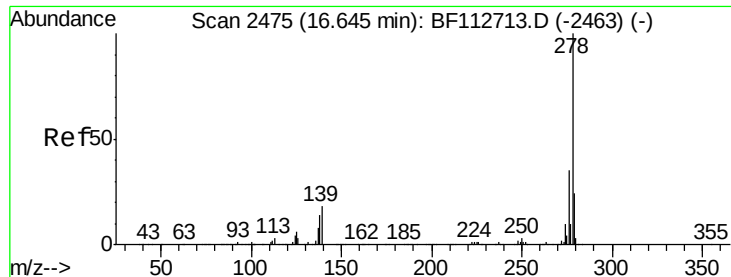
Sohil
3/1/2019 3:00:15 PM



#90
Benzo(a)pyrene
Concen: 29.733 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	12.5	10.7	16.1





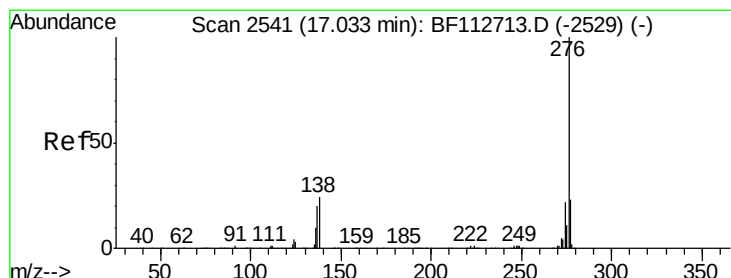
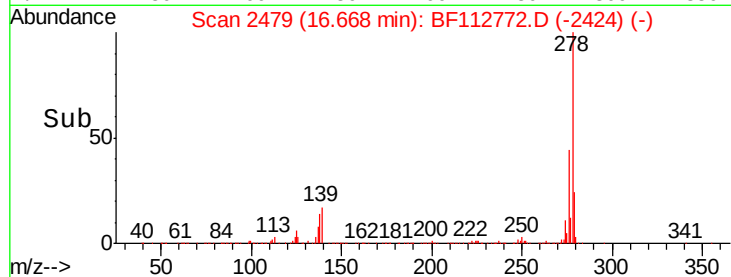
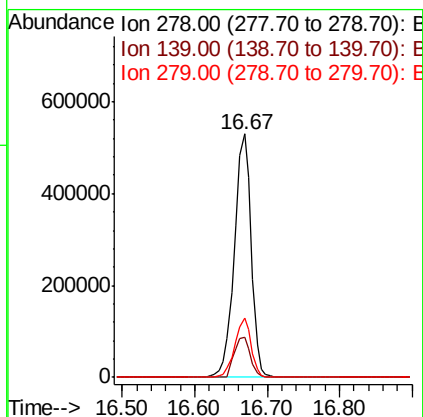
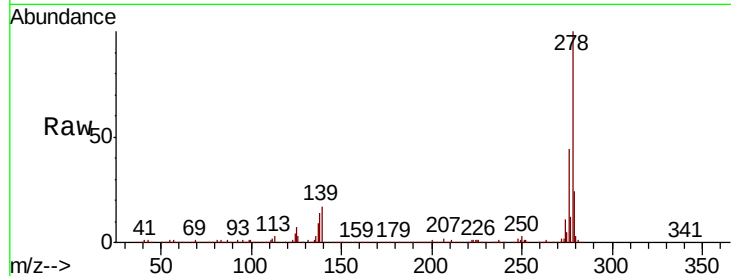
#91
Dibenzo(a,h)anthracene
Concen: 37.299 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.02 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Instrument :
BNA_F
ClientSampleId :
B-5(9-10)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.3	21.5
279	24.1	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/1/2019 3:00:15 PM



#92
Benzo(g,h,i)perylene
Concen: 38.232 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF112772.D
Acq: 28 Feb 2019 20:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.6	27.8
138	21.4	19.4	29.0

