

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010820\
 Data File : BF118510.D
 Acq On : 8 Jan 2020 20:45
 Operator : JU
 Sample : L1049-10MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Manual Integrations
 APPROVED

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 1/9/2020 12:11:00 PM

Quant Time: Jan 09 03:52:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	68317	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	260343	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	136446	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	237304	20.00	ng	0.00
76) Chrysene-d12	14.03	240	172954	20.00	ng	0.00
87) Perylene-d12	15.52	264	219234	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	428502	103.54	ng	0.00
7) Phenol-d6	6.47	99	572907	115.79	ng	0.00
23) Nitrobenzene-d5	7.40	82	331145	66.82	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	185920	115.48	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	615274	64.67	ng	-0.01
79) Terphenyl-d14	12.96	244	582318	53.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	53861	39.037	ng	98
3) Pyridine	3.34	79	134077	36.101	ng	93
4) n-Nitrosodimethylamine	3.29	42	81232	43.647	ng	92
6) Aniline	6.49	93	135002	21.944	ng	# 80
8) 2-Chlorophenol	6.62	128	198188	43.800	ng	97
9) Benzaldehyde	6.38	77	103764	37.670	ng	100
10) Phenol	6.49	94	239108	43.611	ng	99
11) bis(2-Chloroethyl)ether	6.56	93	161721	41.373	ng	98
12) 1,3-Dichlorobenzene	6.77	146	214776	40.604	ng	99
13) 1,4-Dichlorobenzene	6.85	146	219804	40.726	ng	99
14) 1,2-Dichlorobenzene	7.00	146	204983	39.302	ng	99
15) Benzyl Alcohol	6.97	79	168865	42.074	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.10	45	164290	37.889	ng	# 53
17) 2-Methylphenol	7.09	107	156879	42.187	ng	98
18) Hexachloroethane	7.34	117	75400	36.870	ng	# 90
19) n-Nitroso-di-n-propylamine	7.25	70	130085	40.820	ng	97
20) 3+4-Methylphenols	7.25	107	203161	40.275	ng	91
22) Acetophenone	7.24	105	270484	40.987	ng	97
24) Nitrobenzene	7.42	77	194971	39.564	ng	97
25) Isophorone	7.66	82	340389	42.873	ng	99
26) 2-Nitrophenol	7.73	139	106854	43.917	ng	98
27) 2,4-Dimethylphenol	7.77	122	169209	51.713	ng	94
28) bis(2-Chloroethoxy)methane	7.86	93	207970	39.843	ng	99
29) 2,4-Dichlorophenol	7.98	162	161904	42.378	ng	96
30) 1,2,4-Trichlorobenzene	8.06	180	176649	39.810	ng	98
31) Naphthalene	8.14	128	605463	44.460	ng	99
32) Benzoic acid	7.91	122	87437	40.045	ng	99
33) 4-Chloroaniline	8.19	127	61066	10.892	ng	97
34) Hexachlorobutadiene	8.25	225	107217	39.363	ng	98
35) Caprolactam	8.57	113	49564m	43.068	ng	
36) 4-Chloro-3-methylphenol	8.69	107	165538	40.304	ng	99
37) 2-Methylnaphthalene	8.83	142	400297	42.830	ng	99
38) 1-Methylnaphthalene	8.93	142	373381	42.550	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	165508	39.478	ng	100

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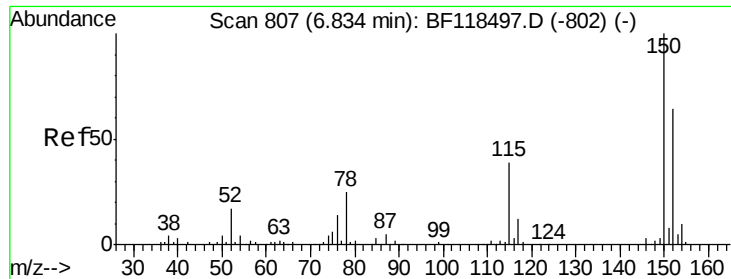
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	37783	41.086	nq	98
43) 2,4,6-Trichlorophenol	9.12	196	107652	41.554	nq	99
44) 2,4,5-Trichlorophenol	9.16	196	113772	42.439	nq	97
46) 1,1'-Biphenyl	9.30	154	459039	41.174	nq	100
47) 2-Chloronaphthalene	9.32	162	348019	39.440	nq	99
48) 2-Nitroaniline	9.43	65	98499	38.629	nq	99
49) Acenaphthylene	9.74	152	562850	42.852	nq	100
50) Dimethylphthalate	9.60	163	463841	44.292	nq	100
51) 2,6-Dinitrotoluene	9.67	165	92790	41.144	nq	94
52) Acenaphthene	9.91	154	358967	44.754	nq	99
53) 3-Nitroaniline	9.84	138	46463	17.588	nq	# 92
54) 2,4-Dinitrophenol	9.96	184	24450	28.209	nq	94
55) Dibenzofuran	10.09	168	540821	44.892	nq	99
56) 4-Nitrophenol	10.02	139	122034	95.140	nq	93
57) 2,4-Dinitrotoluene	10.08	165	127341	42.170	nq	98
58) Fluorene	10.43	166	474459	48.997	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.21	232	95434	42.095	nq	# 99
60) Diethylphthalate	10.30	149	468807	43.976	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	217580	44.970	nq	98
62) 4-Nitroaniline	10.46	138	92330	35.695	nq	98
63) Azobenzene	10.58	77	406878	44.912	nq	96
65) 4,6-Dinitro-2-methylphenol	10.50	198	27718	22.095	nq	97
66) n-Nitrosodiphenylamine	10.54	169	381527	49.370	nq	100
67) 4-Bromophenyl-phenylether	10.91	248	127651	45.926	nq	98
68) Hexachlorobenzene	10.99	284	150514	45.346	nq	97
69) Atrazine	11.07	200	110696	48.206	nq	99
70) Pentachlorophenol	11.19	266	104860	95.614	nq	98
71) Phenanthrene	11.40	178	800129	60.190	nq	100
72) Anthracene	11.45	178	602705	45.574	nq	99
73) Carbazole	11.61	167	481794	42.056	nq	100
74) Di-n-butylphthalate	11.93	149	663458	43.410	nq	99
75) Fluoranthene	12.60	202	744244	55.082	nq	96
77) Benzidine	12.72	184	212862	52.669	nq	97
78) Pyrene	12.83	202	715746	50.299	nq	99
80) Butylbenzylphthalate	13.43	149	235815	36.185	nq	100
81) Benzo(a)anthracene	14.02	228	590852	48.807	nq	99
82) 3,3'-Dichlorobenzidine	13.98	252	153253	38.929	nq	99
83) Chrysene	14.06	228	564703	48.003	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	327942	37.062	nq	99
85) Di-n-octyl phthalate	14.61	149	538498	42.429	nq	# 99
86) Indeno(1,2,3-cd)pyrene	17.03	276	483020	51.000	nq	99
88) Benzo(b)fluoranthene	15.09	252	620483	39.146	nq	99
89) Benzo(k)fluoranthene	15.11	252	519595	34.344	nq	98
90) Benzo(a)pyrene	15.46	252	577779	44.482	nq	98
91) Dibenzo(a,h)anthracene	17.03	278	389721	31.998	nq	99
92) Benzo(g,h,i)perylene	17.47	276	405704	35.155	nq	98

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



#1

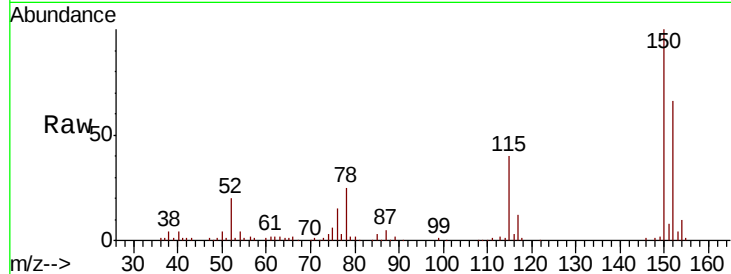
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.7	187.1
115	60.9	49.0	73.6

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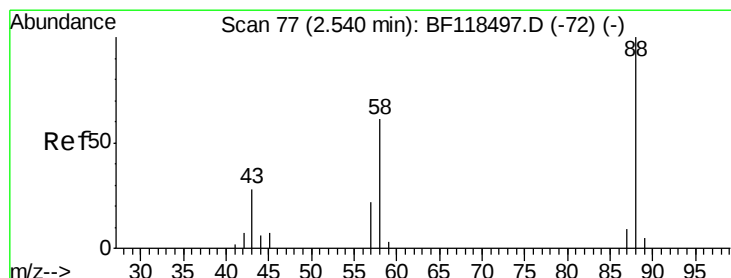
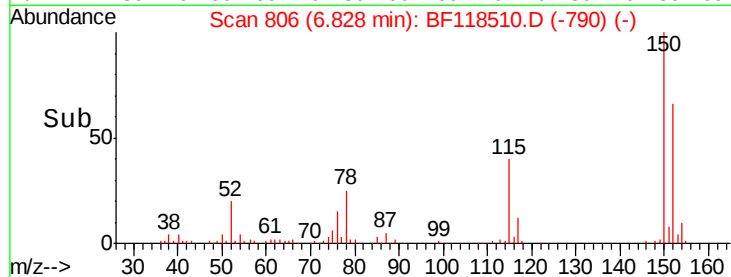
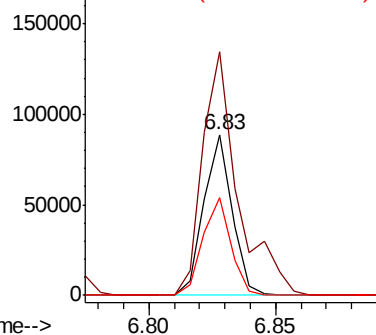


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

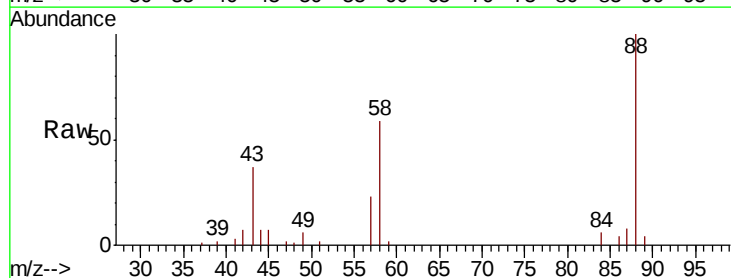
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 39.037 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.04 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	59.1	48.3	72.5
43	30.6	23.4	35.0

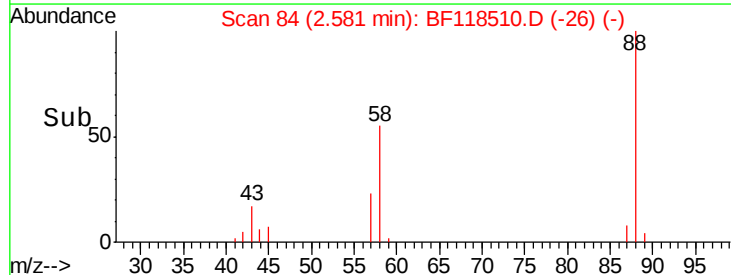
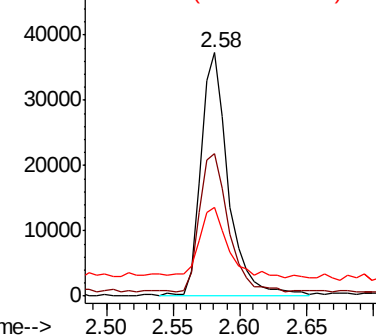


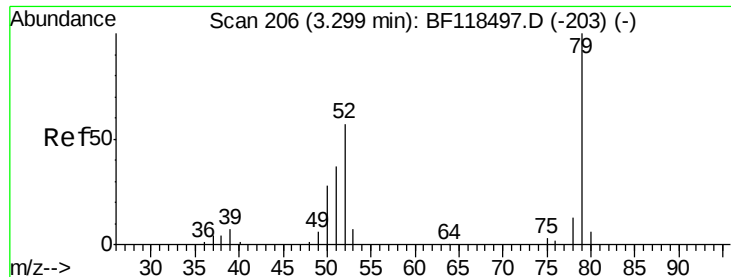
Abundance

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: 36.101 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.04 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

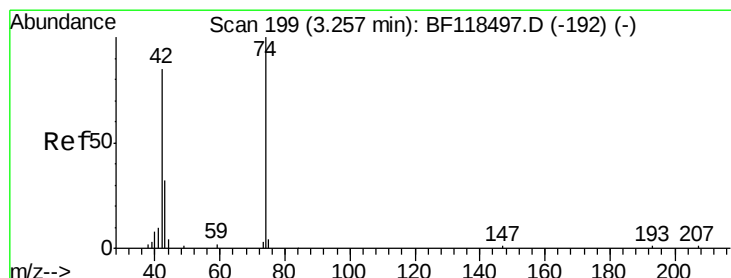
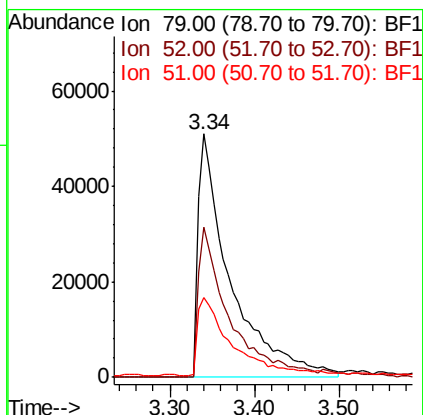
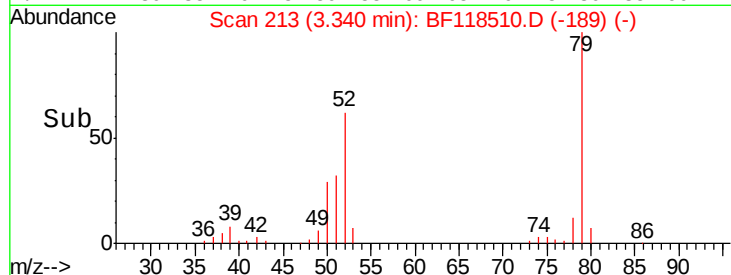
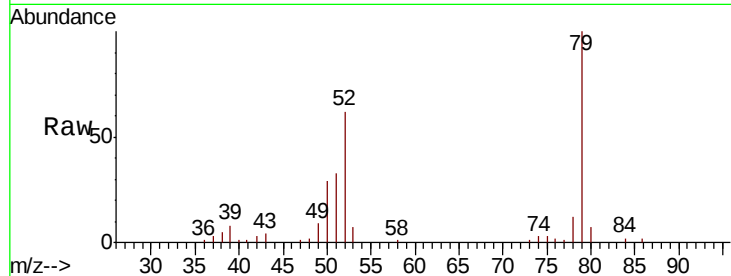
ClientSampleId :

TP-4MS

Tot Ion:	79	Resp:	134077
Ion Ratio	Lower	Upper	
79	100		
52	61.9	45.9	68.9
51	32.9	29.8	44.6

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#4

n-Nitrosodimethylamine

Concen: 43.647 ng

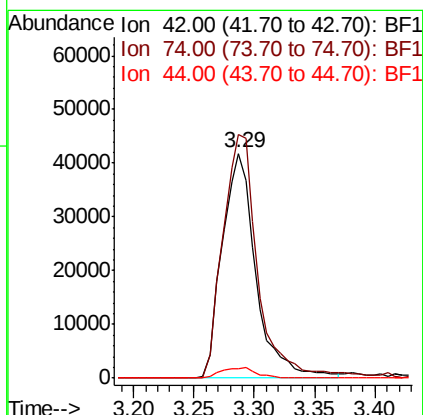
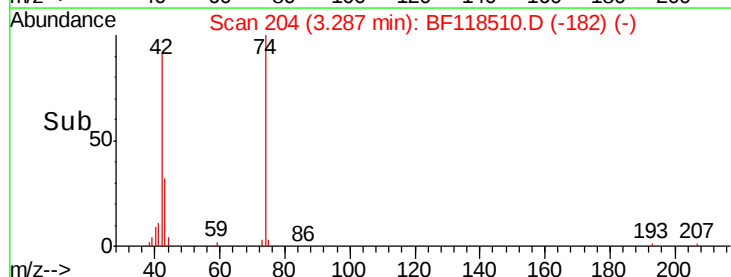
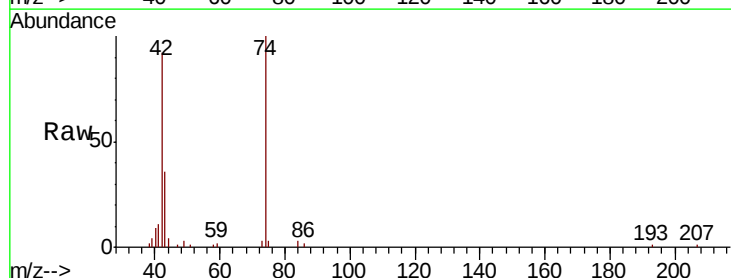
RT: 3.29 min Scan# 204

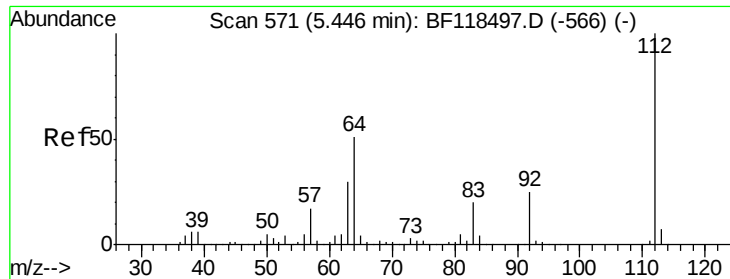
Delta R.T. 0.03 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	42	Resp:	81232
Ion Ratio	Lower	Upper	
42	100		
74	108.3	94.1	141.1
44	4.1	4.1	6.1





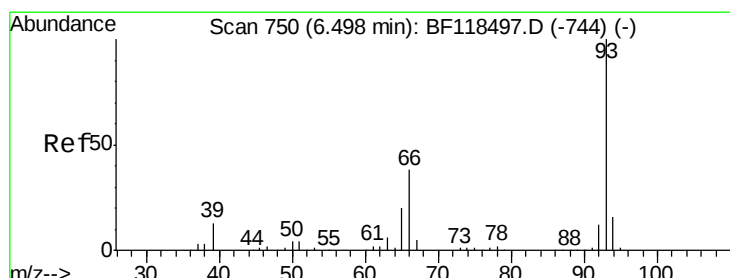
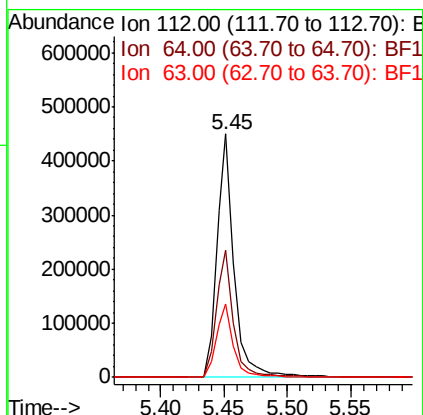
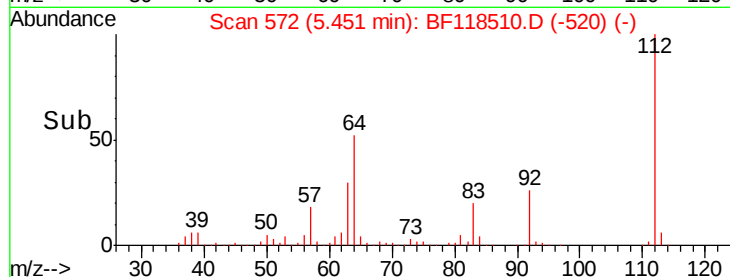
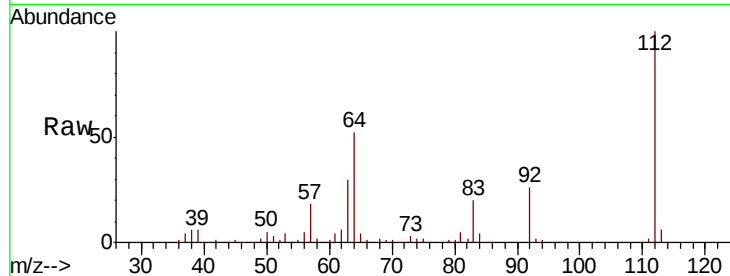
#5
2-Fluorophenol
Concen: 103.539 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	52.0	41.1	61.7
63	30.0	24.1	36.1

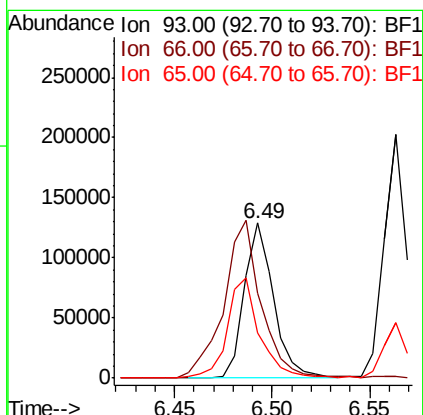
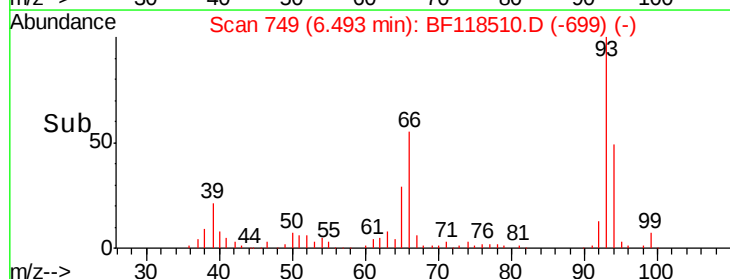
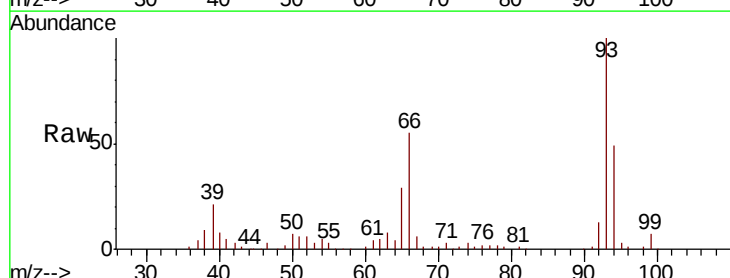
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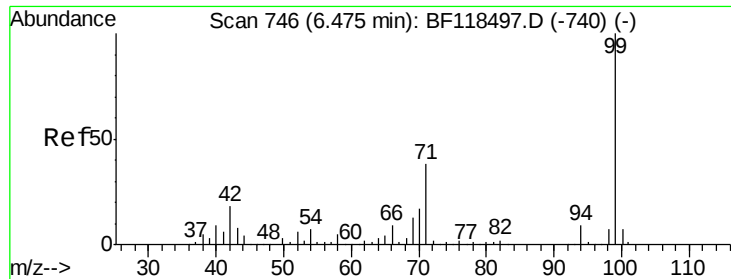
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#6
Aniline
Concen: 21.944 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	54.7	33.4	50.0#
65	29.2	16.7	25.1#





#7

Phenol-d6

Concen: 115.788 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

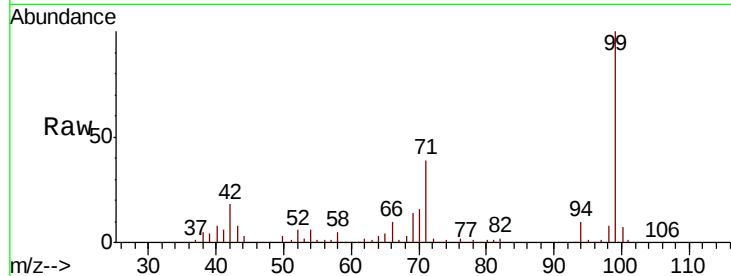
ClientSampleId :

TP-4MS

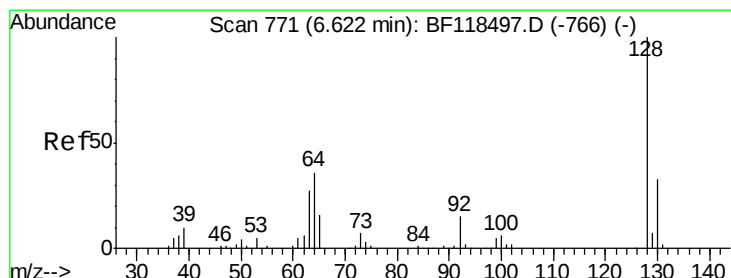
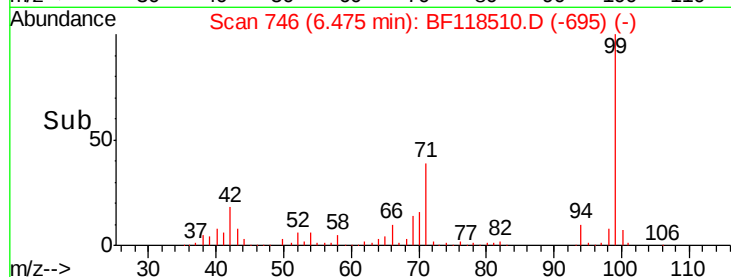
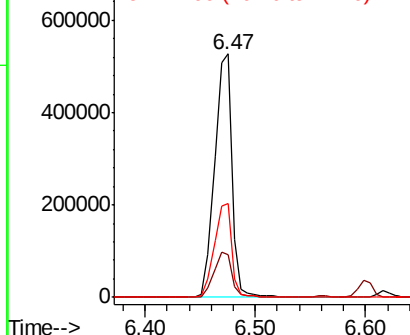
Tot Ion:	99	Resp:	572907
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.5	21.7
71	38.6	30.6	45.8

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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: 43.800 ng

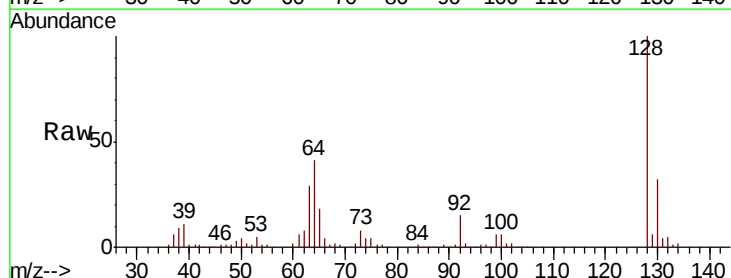
RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

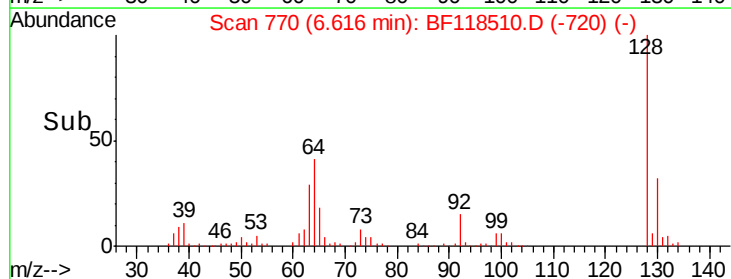
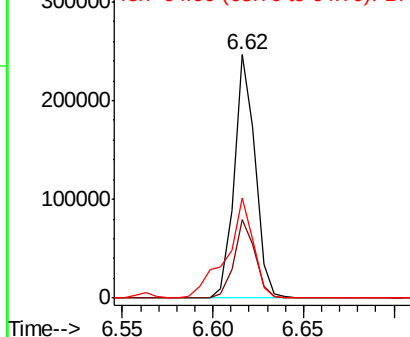
Lab File: BF118510.D

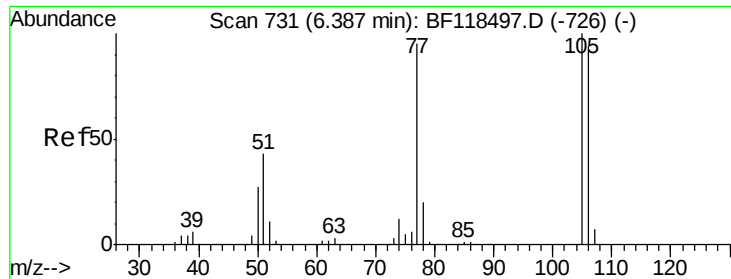
Acq: 8 Jan 2020 20:45

Tgt Ion:	128	Resp:	198188
Ion Ratio	Lower	Upper	
128	100		
130	32.1	12.7	52.7
64	41.1	17.8	57.8



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: 37.670 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

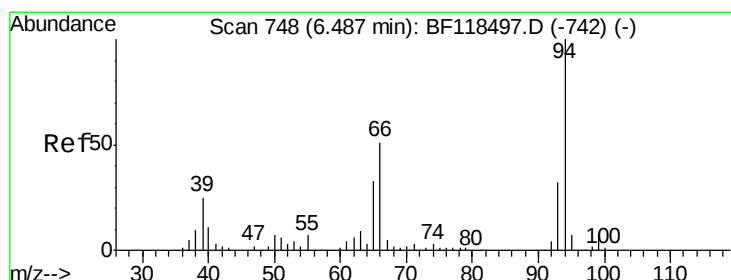
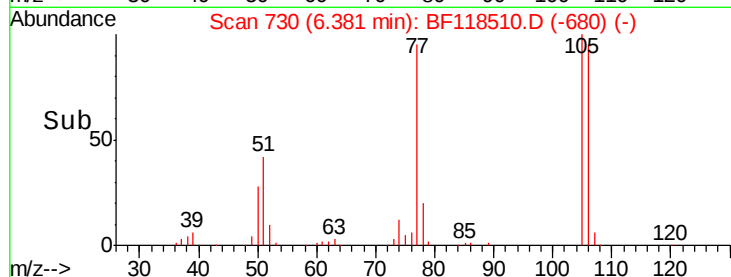
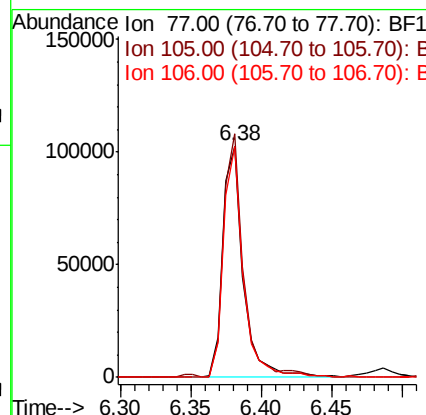
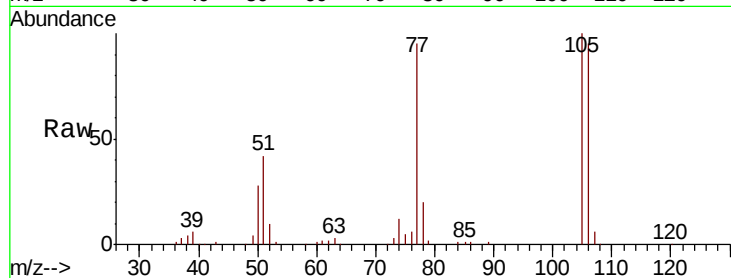
ClientSampled :

TP-4MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	105.4	85.4	125.4
106	99.8	79.5	119.5

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#10

Phenol

Concen: 43.611 ng

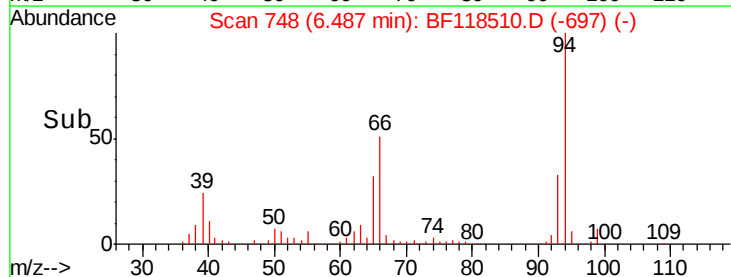
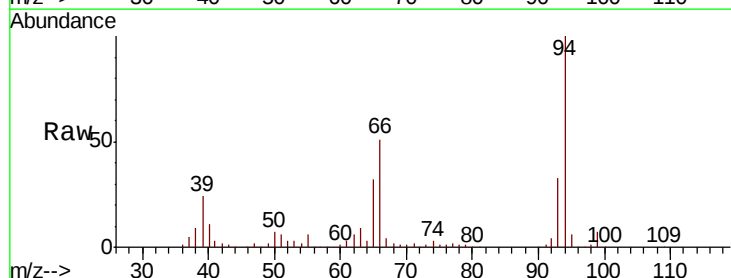
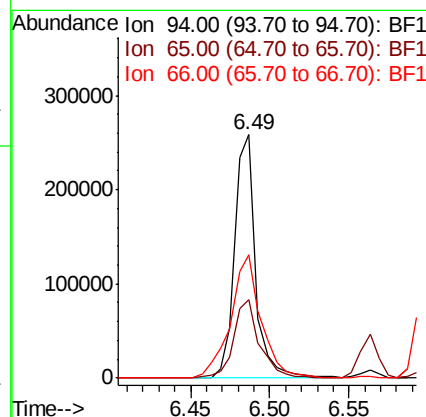
RT: 6.49 min Scan# 748

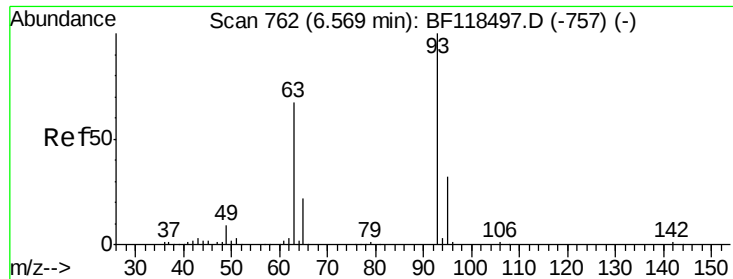
Delta R.T. 0.00 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.5	13.3	53.3
66	50.9	30.9	70.9





#11

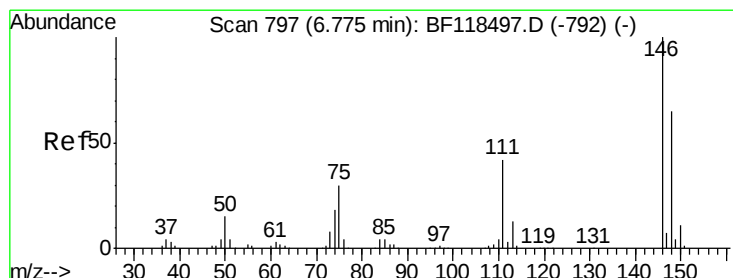
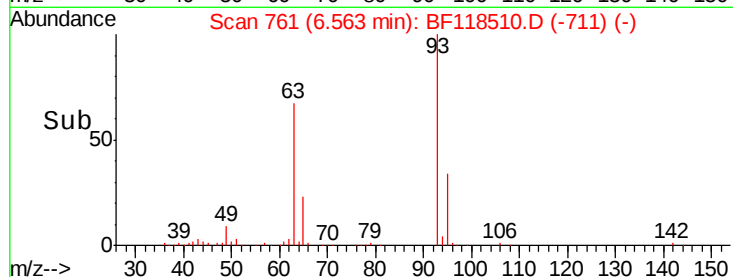
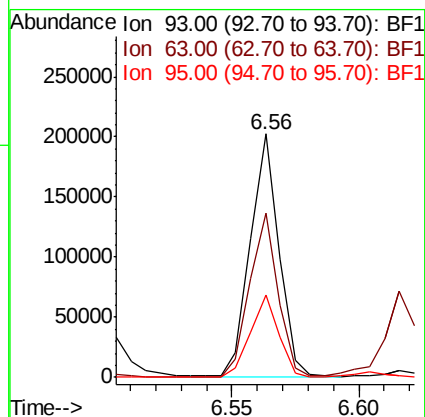
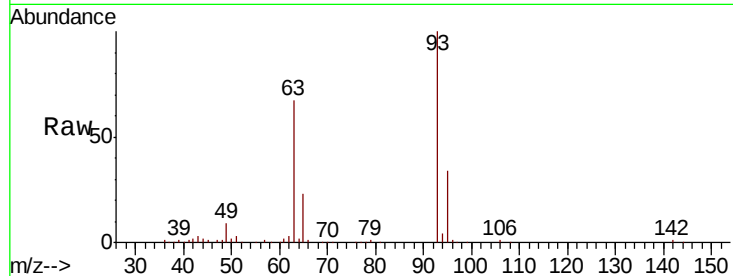
bis(2-Chloroethyl)ether
Concen: 41.373 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion:	93	Resp:	161721
Ion	Ratio	Lower	Upper
93	100		
63	67.2	46.6	86.6
95	33.9	11.5	51.5

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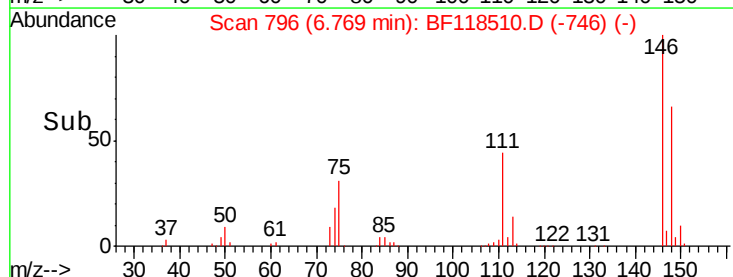
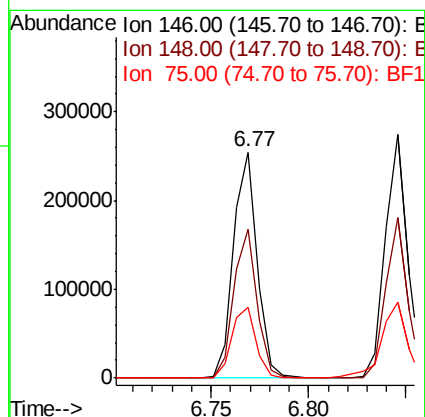
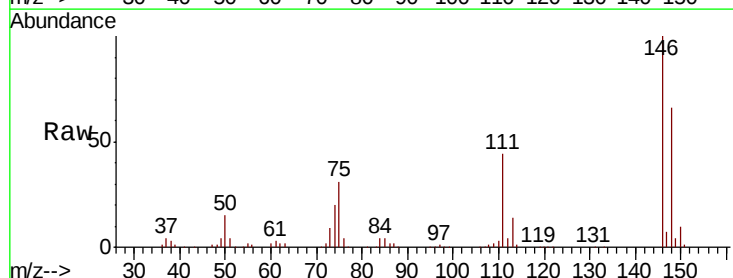
mohammad
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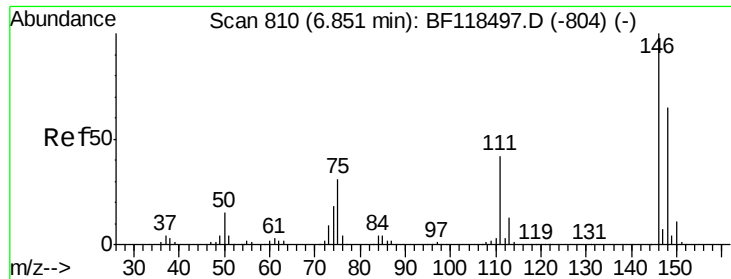


#12

1,3-Dichlorobenzene
Concen: 40.604 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion:	146	Resp:	214776
Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.4	78.6
75	31.1	24.1	36.1





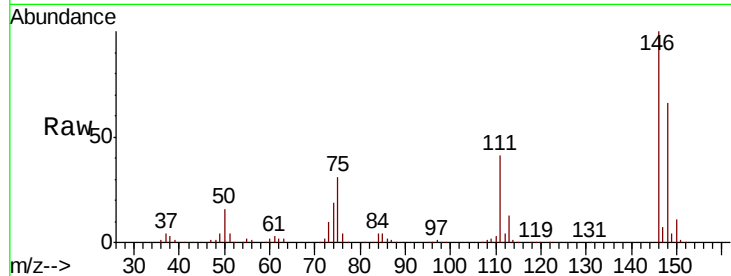
#13
 1,4-Dichlorobenzene
 Concen: 40.726 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.2	78.2
111	40.8	33.2	49.8

Manual Integrations
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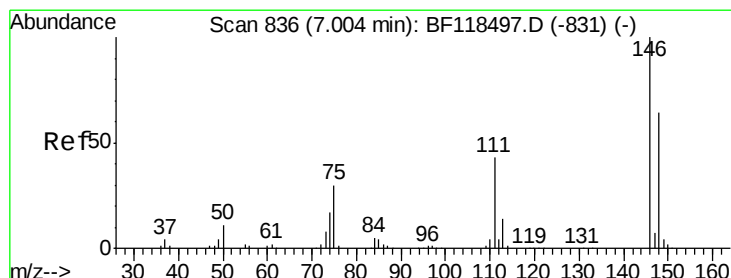
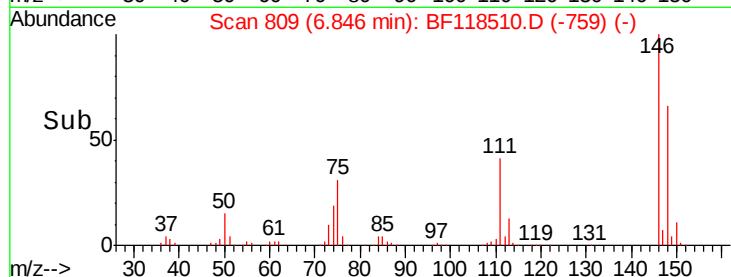
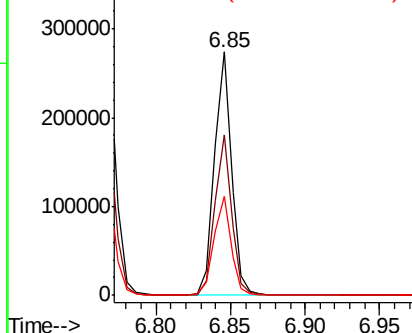


Abundance

Ion 146.00 (145.70 to 146.70): E

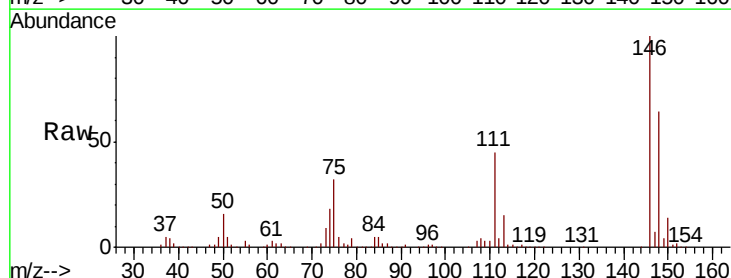
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 39.302 ng
 RT: 7.00 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	44.6	34.7	52.1

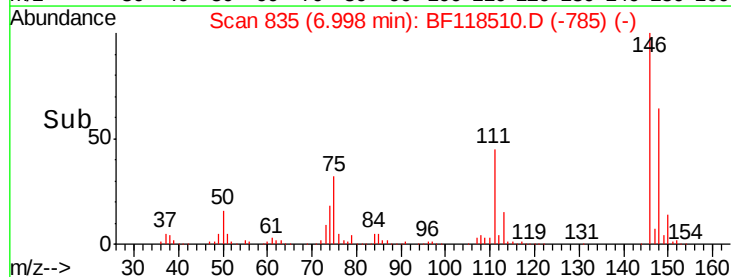
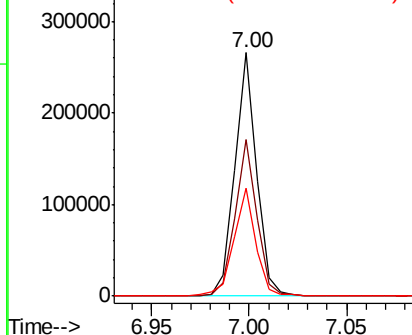


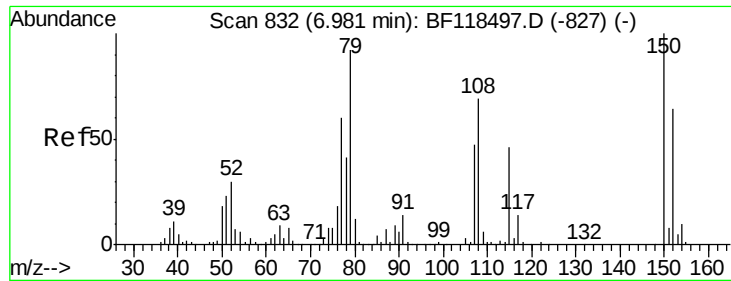
Abundance

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





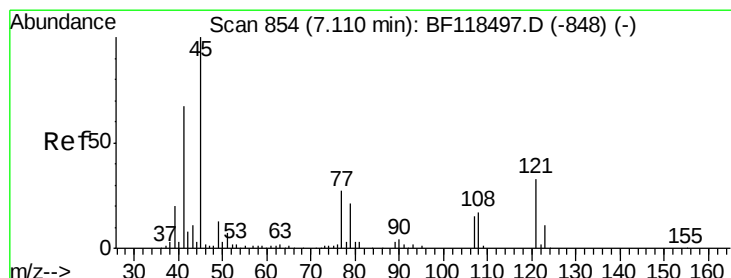
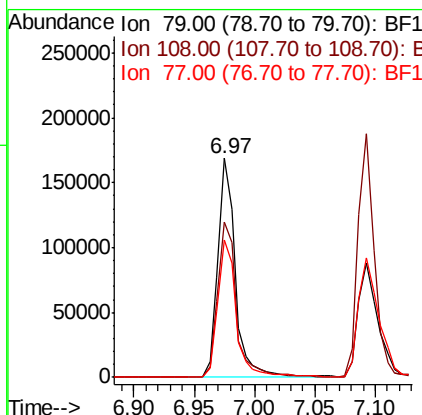
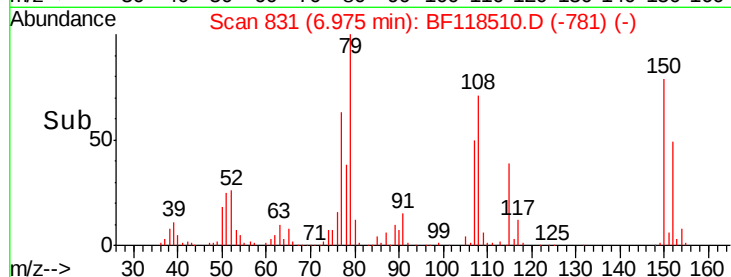
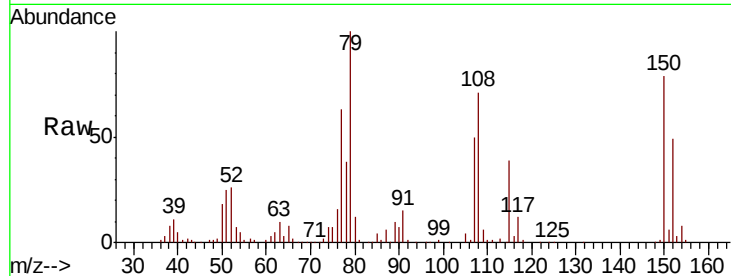
#15
Benzyl Alcohol
Concen: 42.074 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.2	60.2	90.2
77	62.7	51.8	77.8

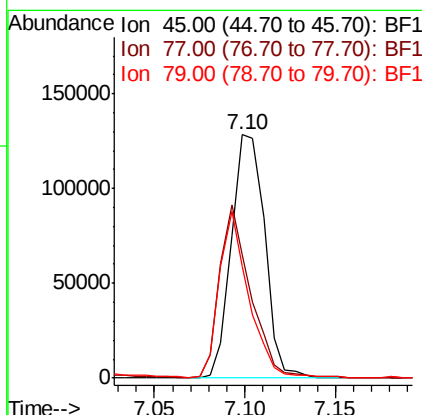
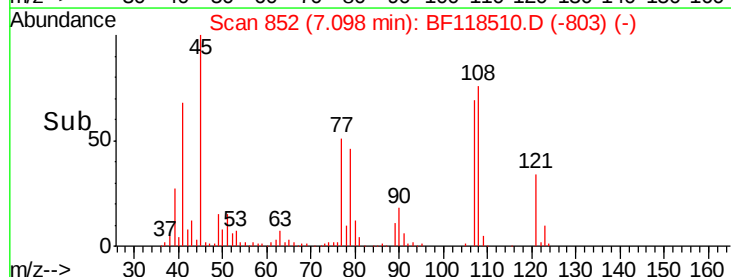
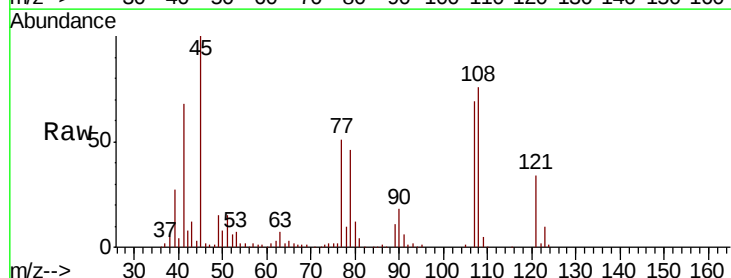
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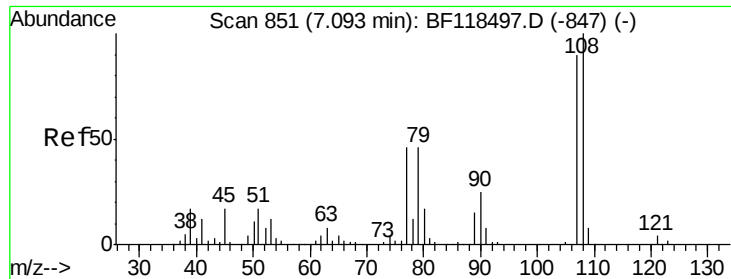
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#16
2,2'-oxybis(1-chloropropane)
Concen: 37.889 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
45	100		
77	50.7	7.6	47.6#
79	45.8	2.0	42.0#





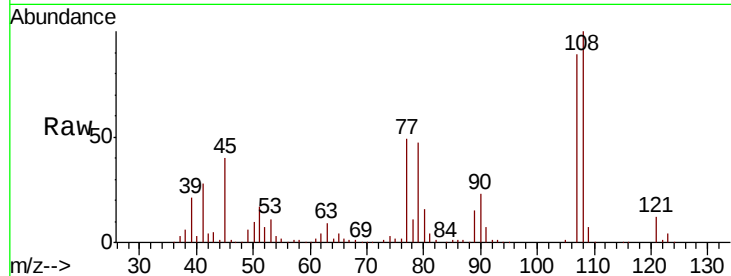
#17
2-Methylphenol
Concen: 42.187 ng
RT: 7.09 min Scan# 851
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion:	107	Resp:	156879
Ion Ratio	Lower	Upper	
107	100		
108	111.8	88.9	133.3
77	54.6	41.2	61.8
79	52.4	41.6	62.4

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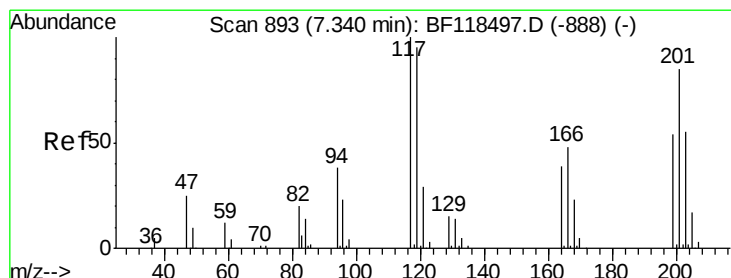
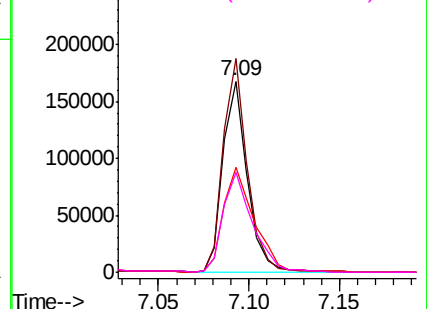
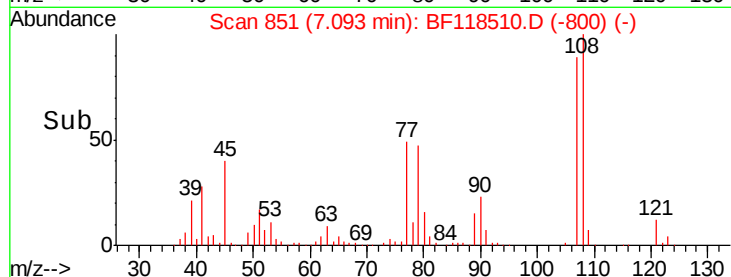
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

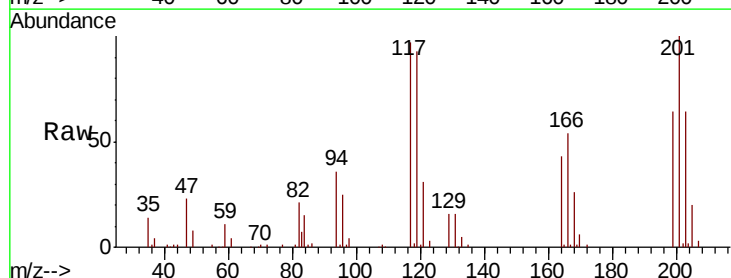
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 36.870 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion:	117	Resp:	75400
Ion Ratio	Lower	Upper	
117	100		
119	96.4	76.2	114.4
201	103.4	67.7	101.5#

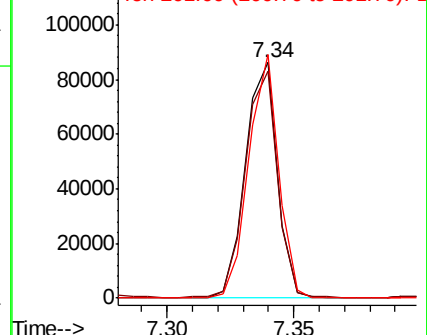
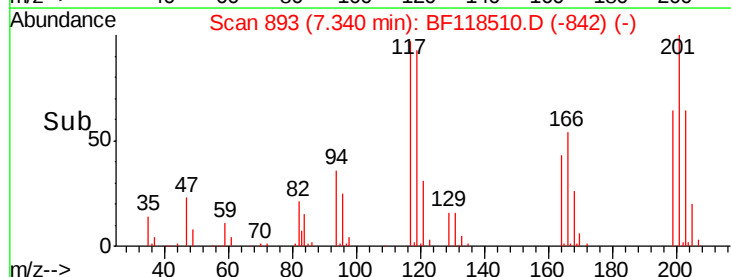


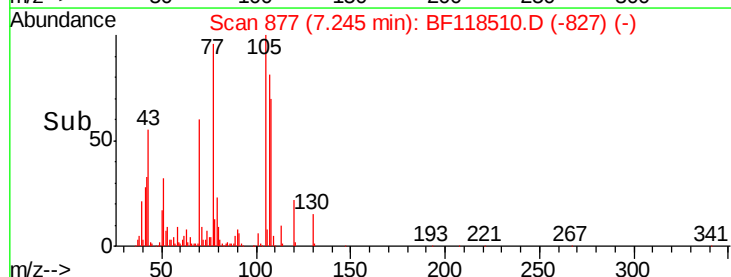
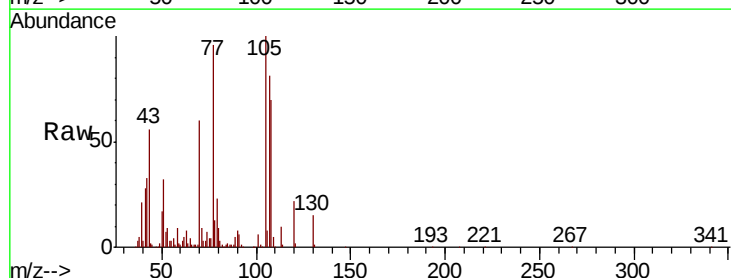
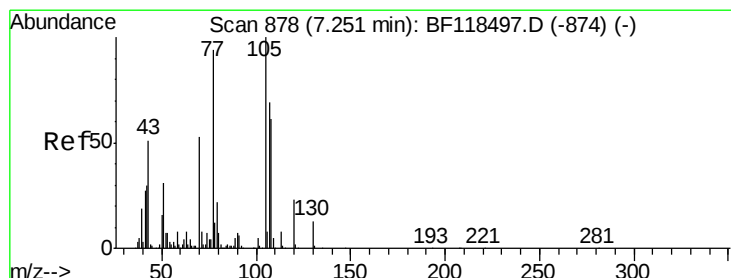
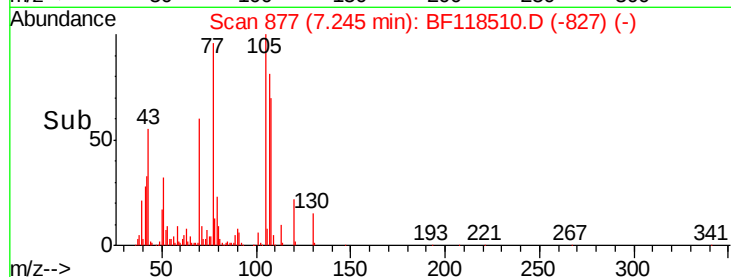
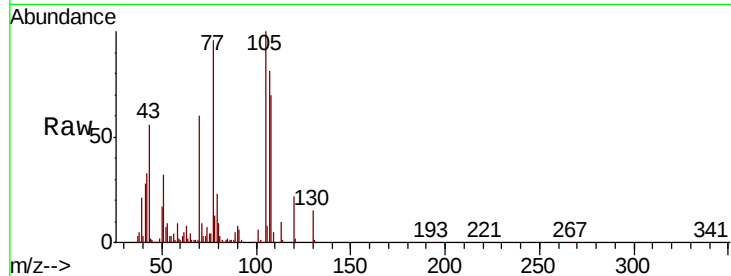
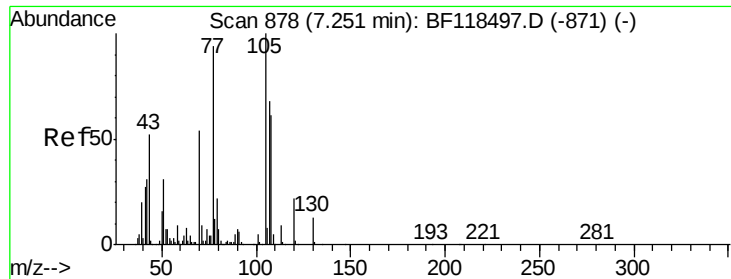
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





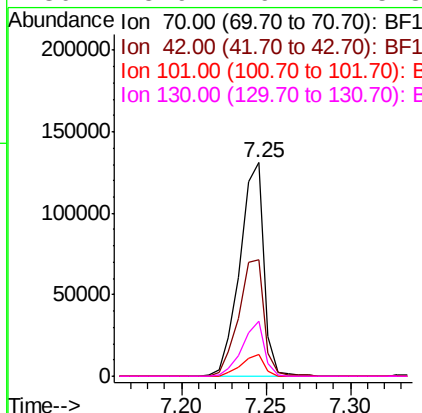
#19
n-Nitroso-di-n-propylamine
Concen: 40.820 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
70	100			
42	54.8		45.6	68.4
101	10.3		8.2	12.2
130	25.9		19.2	28.8

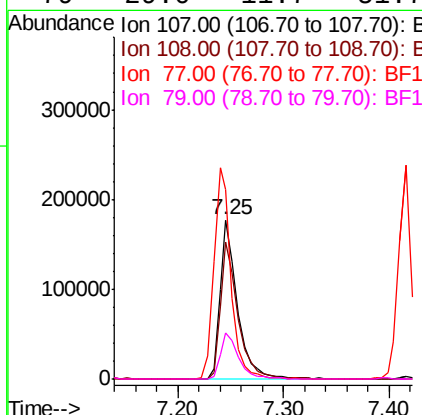
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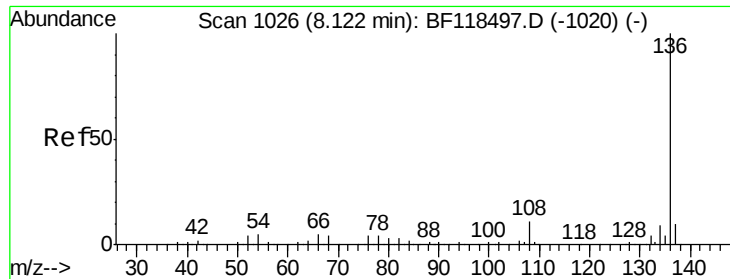
mohammad
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#20
3+4-Methylphenols
Concen: 40.275 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	86.2		68.9	108.9
77	119.2		116.8	156.8
79	29.0		11.7	51.7





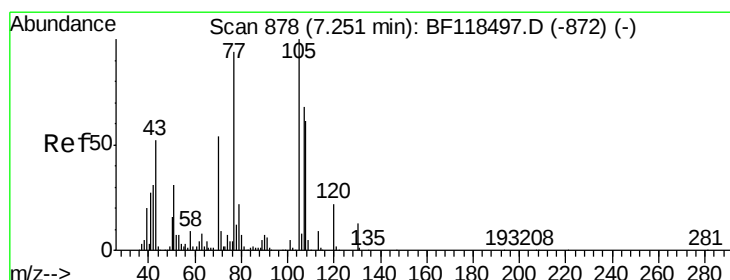
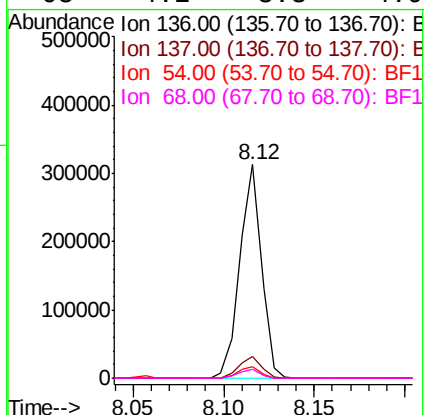
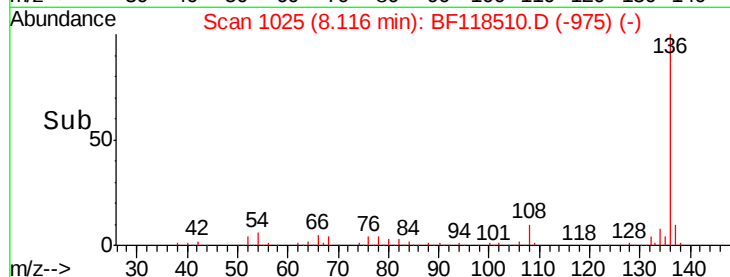
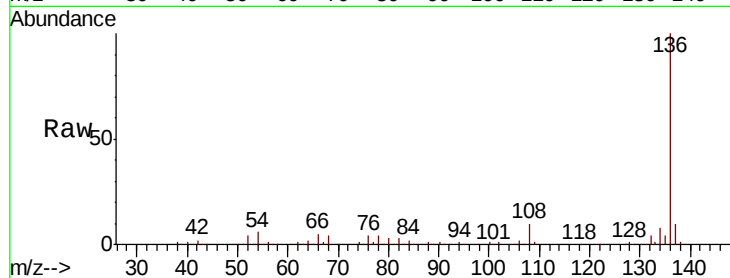
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	260343		
137	10.4		8.3	12.5
54	5.5		4.2	6.2
68	4.2		3.3	4.9

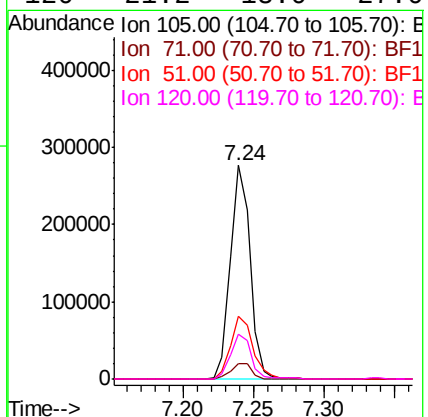
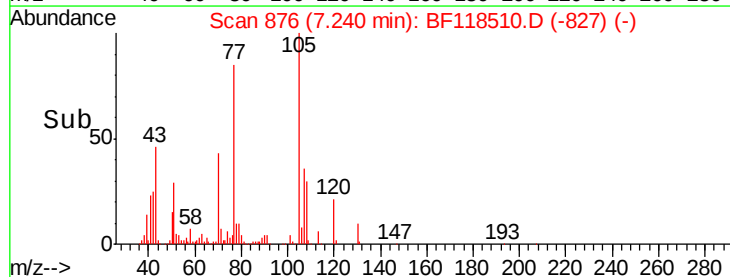
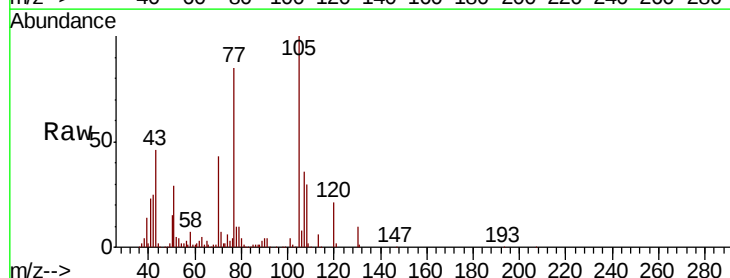
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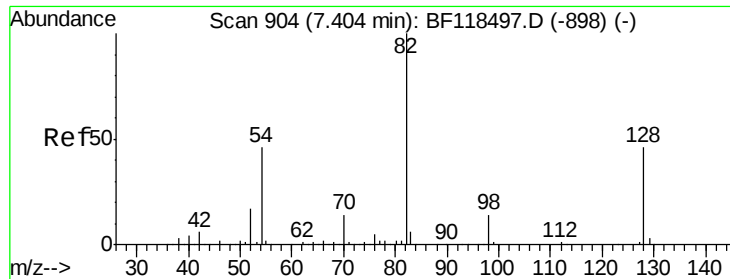
mohammad
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#22
Acetophenone
Concen: 40.987 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270484		
71	7.2		6.9	10.3
51	29.5		25.0	37.4
120	21.2		18.0	27.0





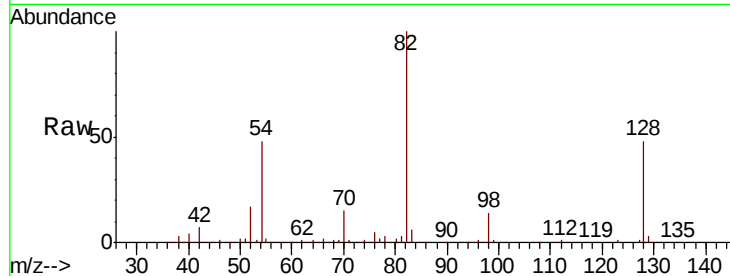
#23
Nitrobenzene-d5
Concen: 66.818 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

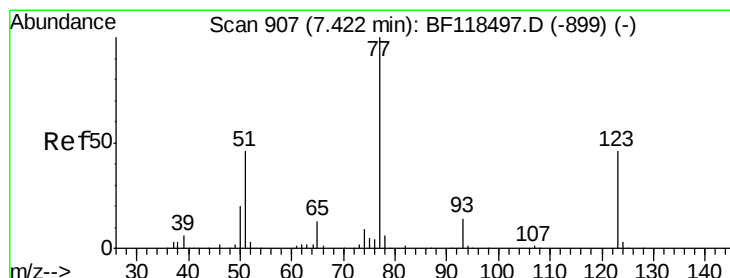
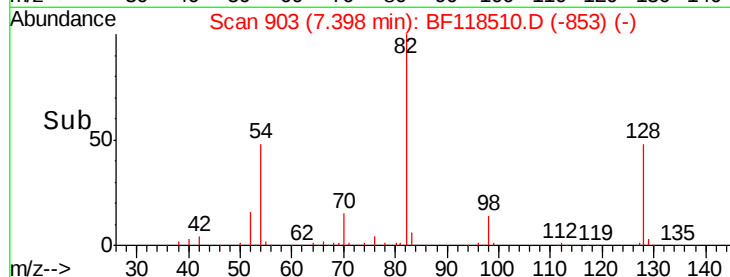
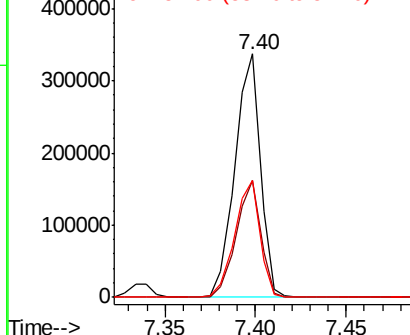
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.6	54.8
54	48.2	37.0	55.6

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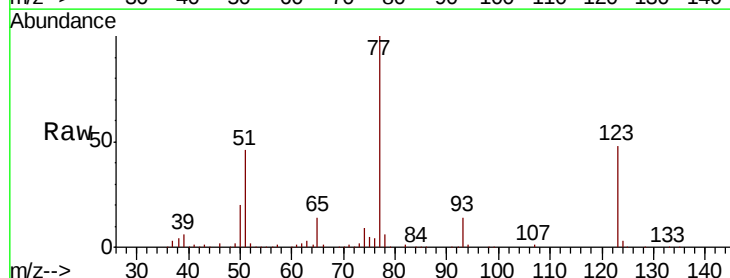


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

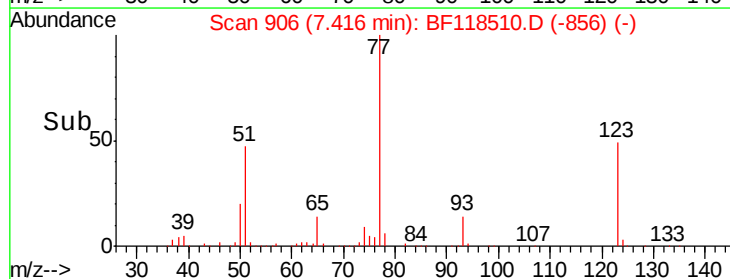
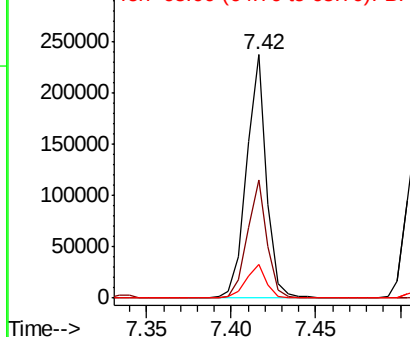


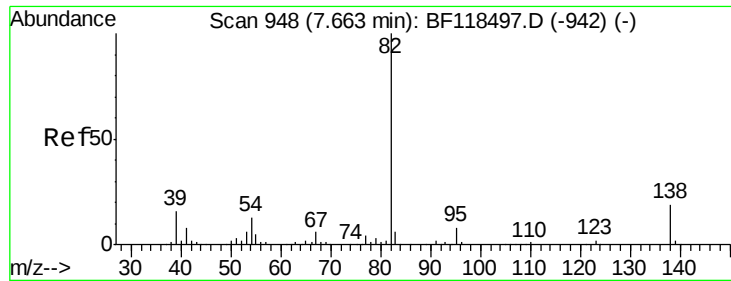
#24
Nitrobenzene
Concen: 39.564 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.0	55.4
65	13.9	10.7	16.1



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 42.873 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

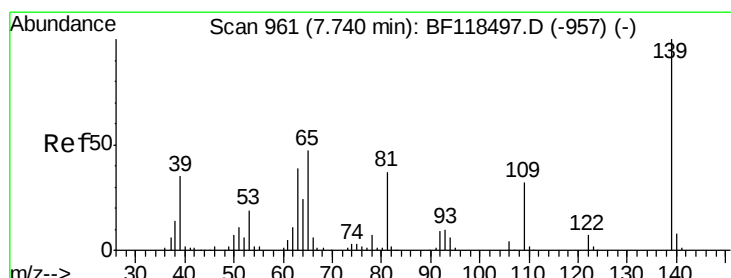
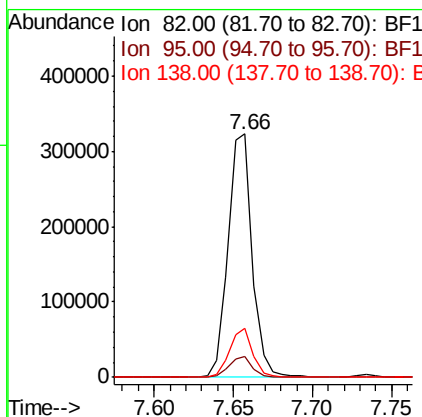
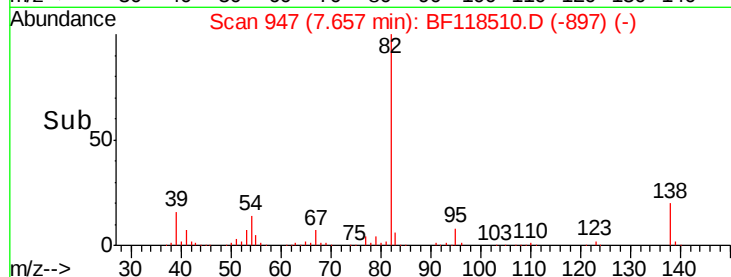
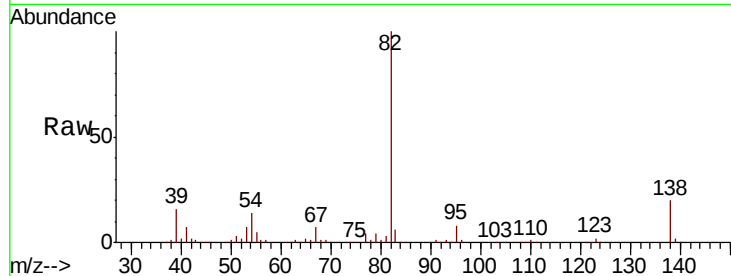
ClientSampleId :

TP-4MS

Tot Ion:	82	Resp:	340389
Ion Ratio	Lower	Upper	
82	100		
95	8.4	6.6	9.8
138	20.1	15.4	23.2

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#26

2-Nitrophenol

Concen: 43.917 ng

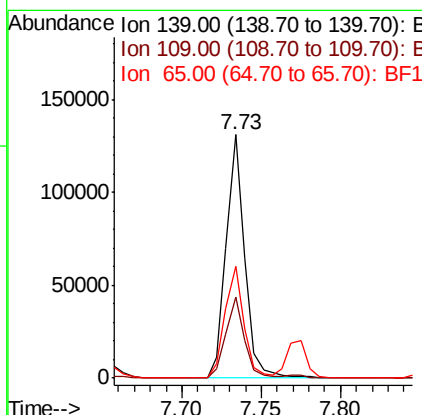
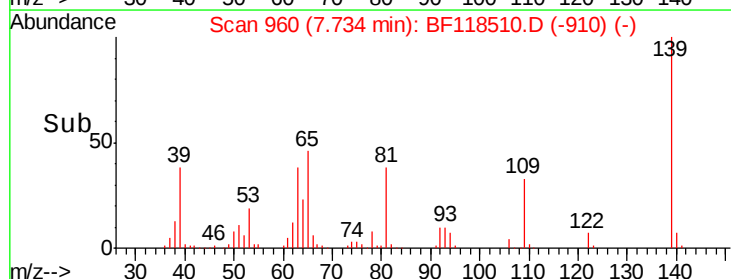
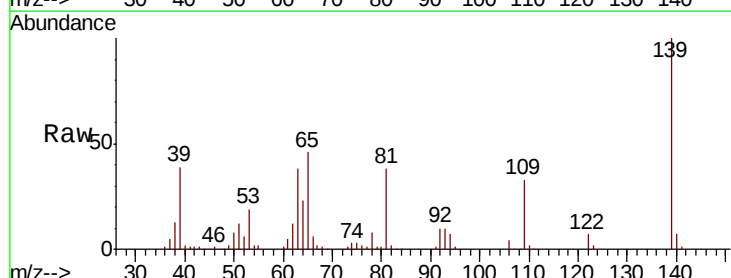
RT: 7.73 min Scan# 960

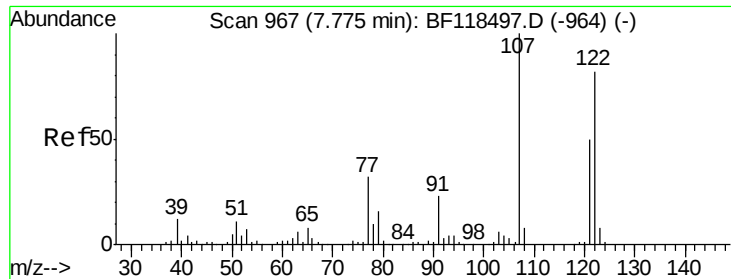
Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	139	Resp:	106854
Ion Ratio	Lower	Upper	
139	100		
109	33.1	25.7	38.5
65	46.0	37.8	56.6





#27

2,4-Dimethylphenol

Concen: 51.713 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

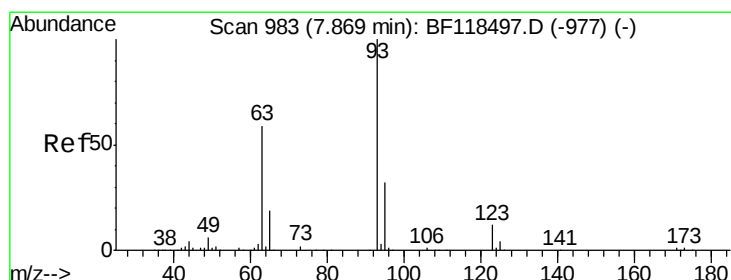
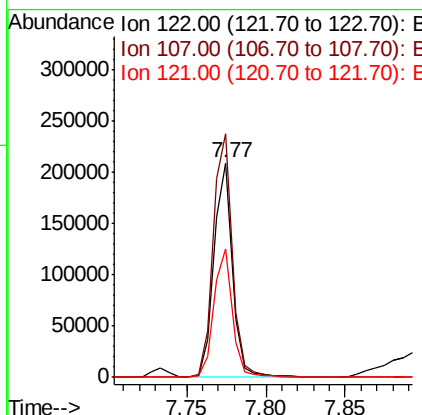
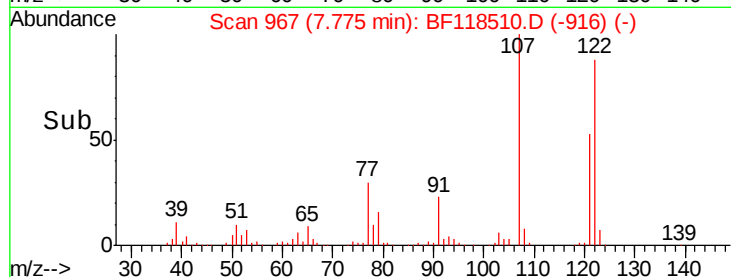
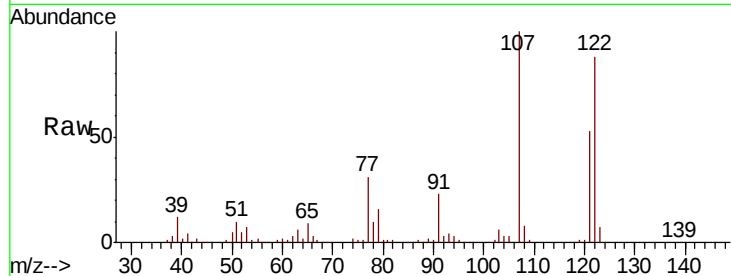
ClientSampleId :

TP-4MS

Tot Ion:	122	Resp:	169209
Ion Ratio	Lower	Upper	
122	100		
107	113.6	97.9	146.9
121	59.7	49.0	73.4

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#28

bis(2-Chloroethoxy)methane

Concen: 39.843 ng

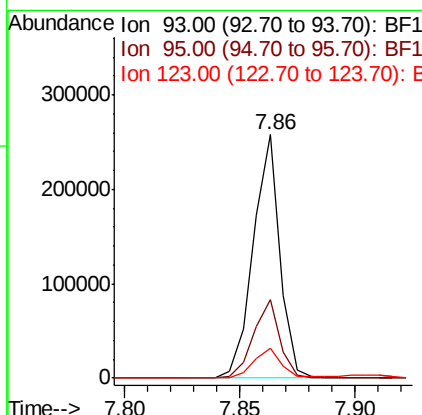
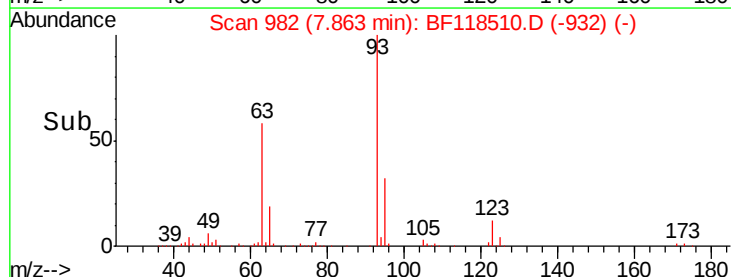
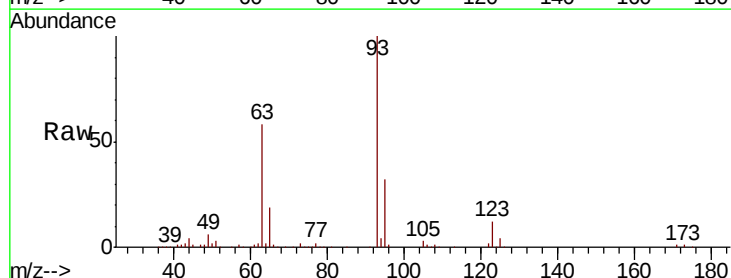
RT: 7.86 min Scan# 982

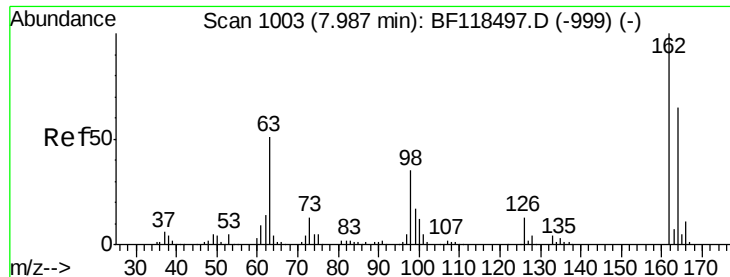
Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	93	Resp:	207970
Ion Ratio	Lower	Upper	
93	100		
95	32.0	25.9	38.9
123	12.2	9.7	14.5





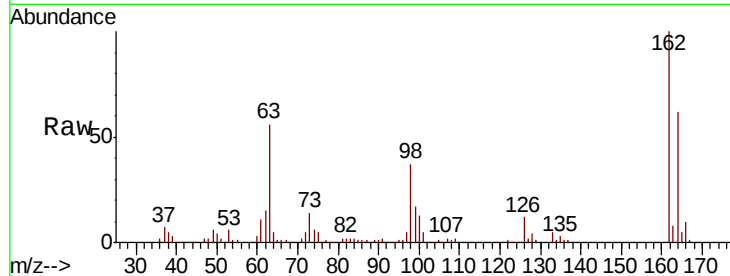
#29
2,4-Dichlorophenol
Concen: 42.378 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		161904		
164	62.1	44.8	84.8		
98	37.4	15.1	55.1		

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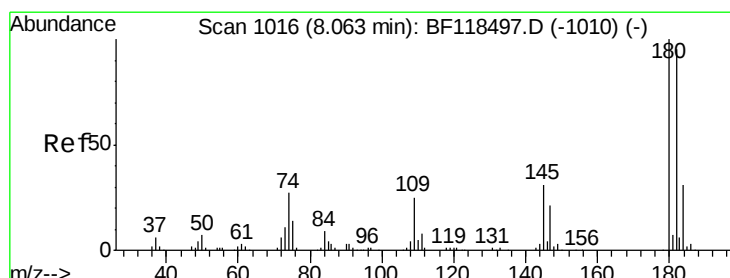
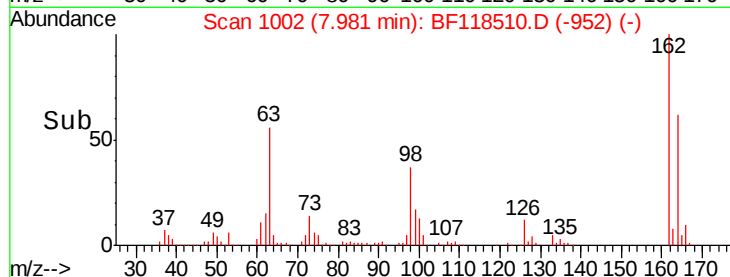
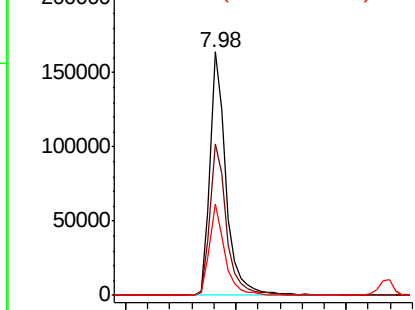


Abundance

Ion 162.00 (161.70 to 162.70): E

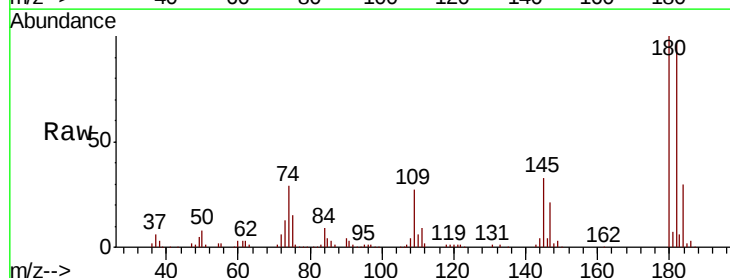
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 39.810 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		176649		
182	96.5	75.8	113.6		
145	32.6	25.0	37.6		

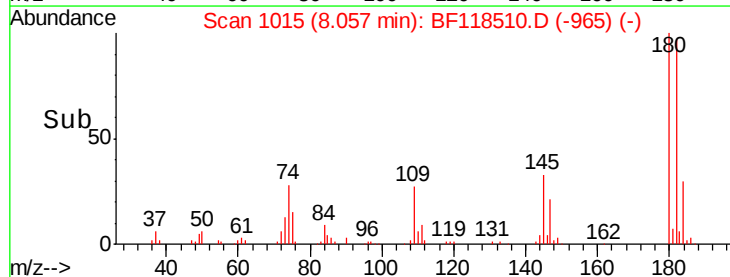
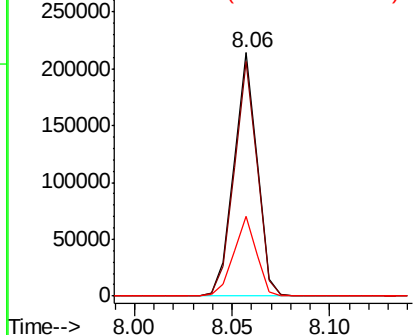


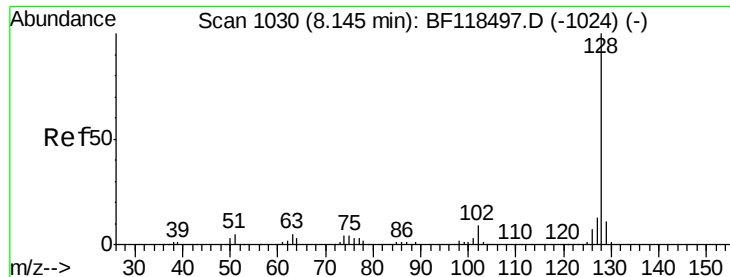
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





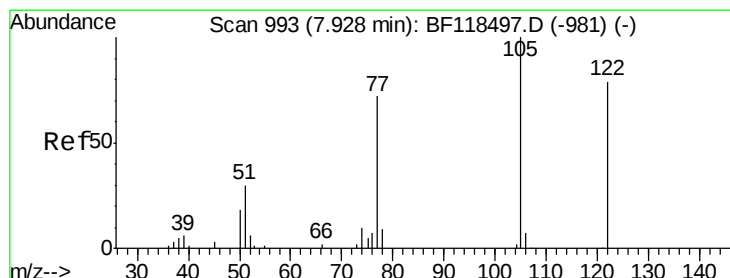
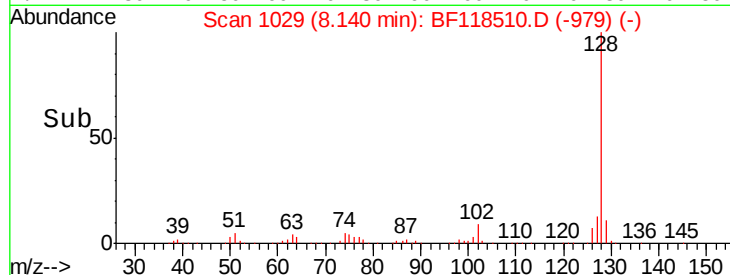
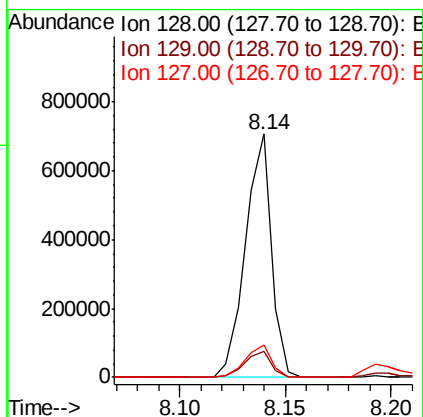
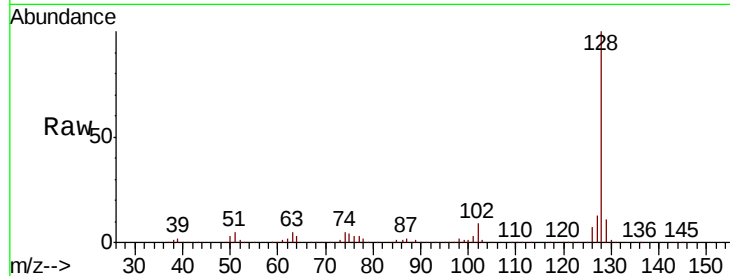
#31
Naphthalene
Concen: 44.460 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.1	10.7	16.1

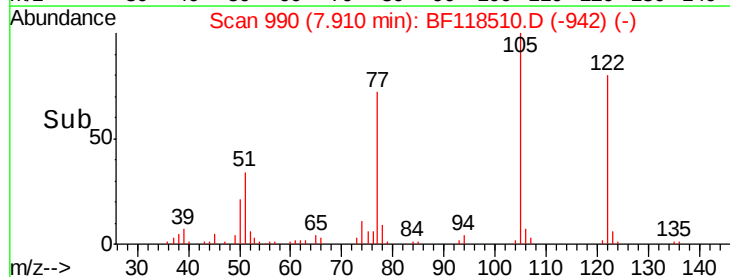
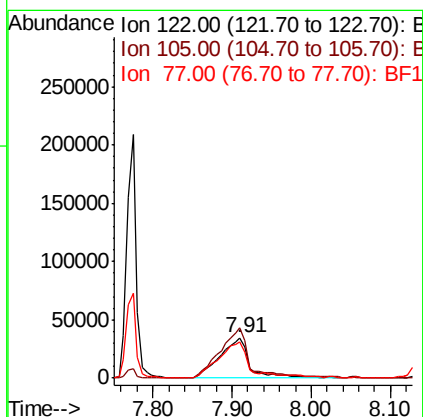
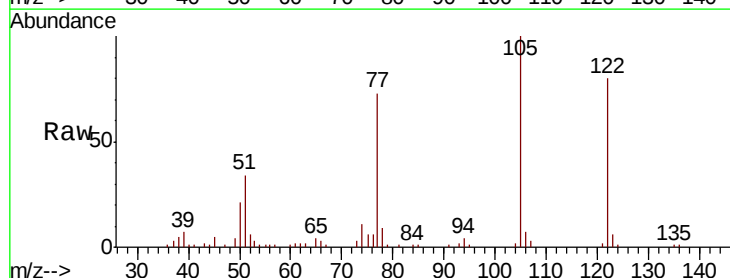
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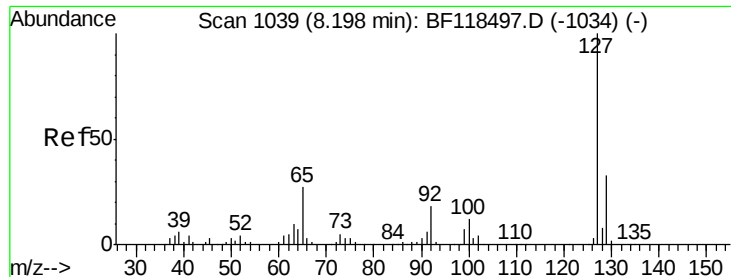
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#32
Benzoic acid
Concen: 40.045 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.7	105.7	145.7
77	91.3	71.0	111.0





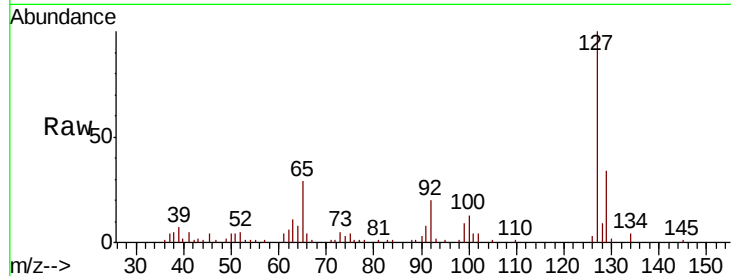
#33
4-Chloroaniline
Concen: 10.892 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

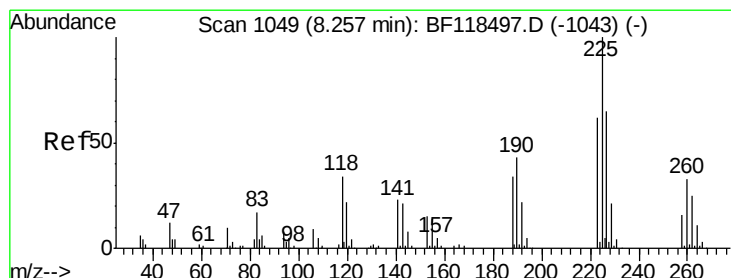
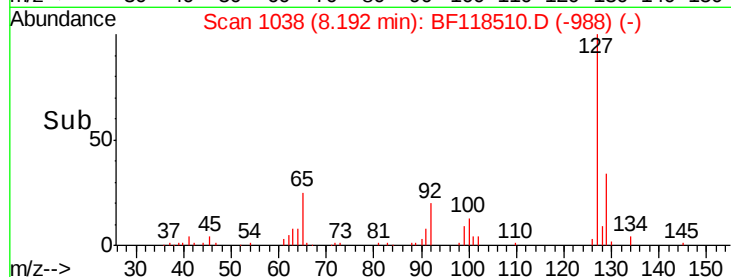
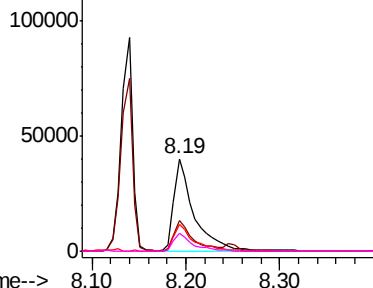
Tot Ion	Ratio	Lower	Upper
127	100		
129	34.0	26.2	39.4
65	28.8	21.6	32.4
92	19.7	14.3	21.5

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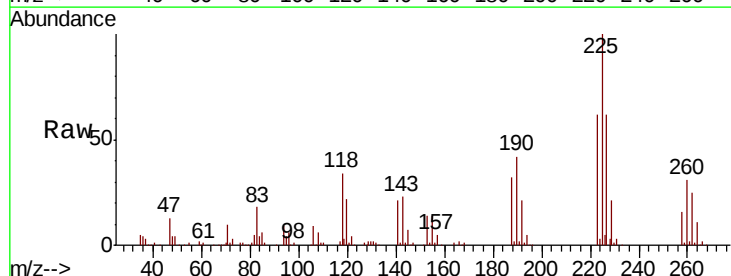


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

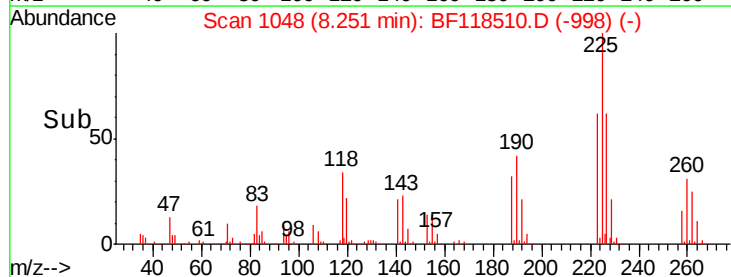
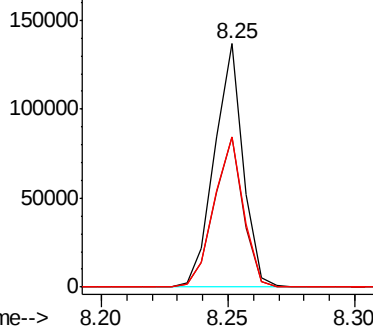


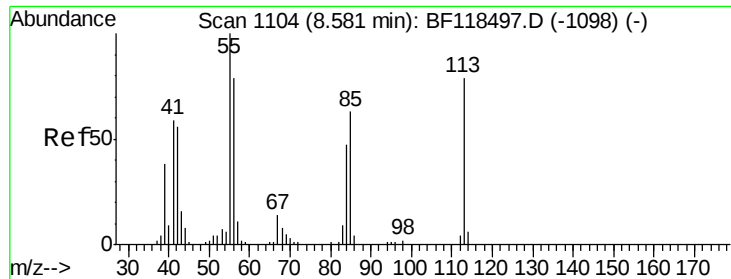
#34
Hexachlorobutadiene
Concen: 39.363 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.9	74.9
227	61.6	51.8	77.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





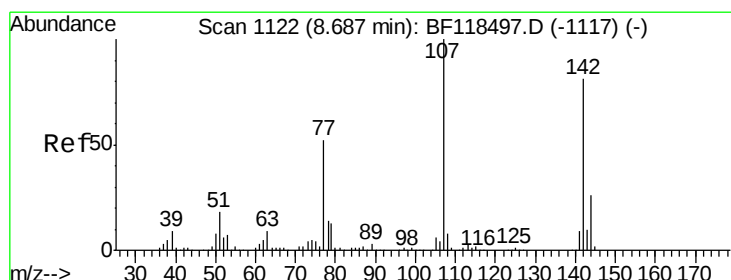
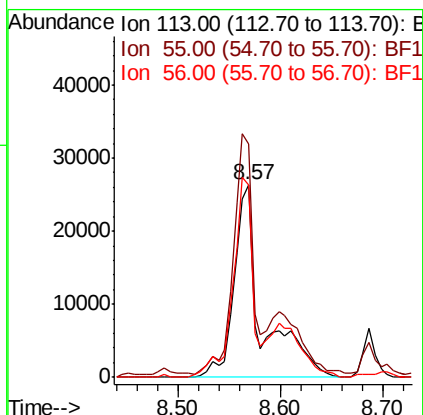
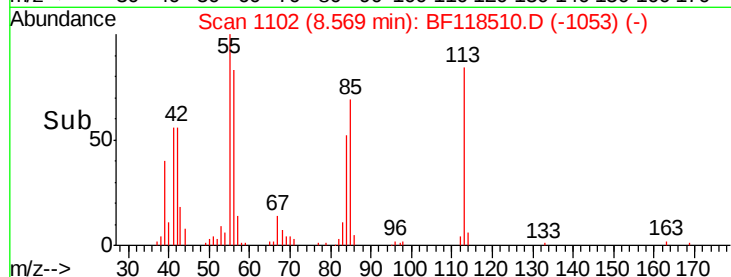
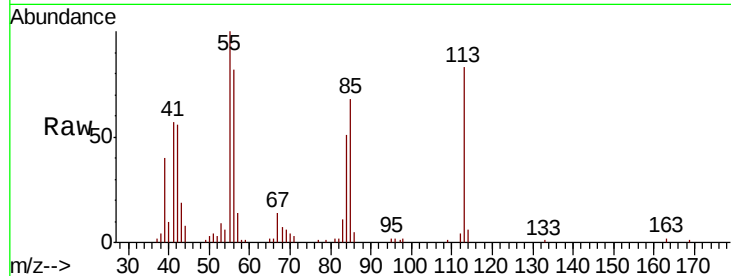
#35
Caprolactam
Concen: 43.068 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	121.1	106.5	146.5
56	99.7	80.1	120.1

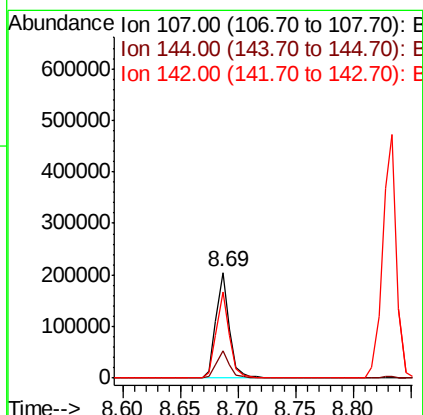
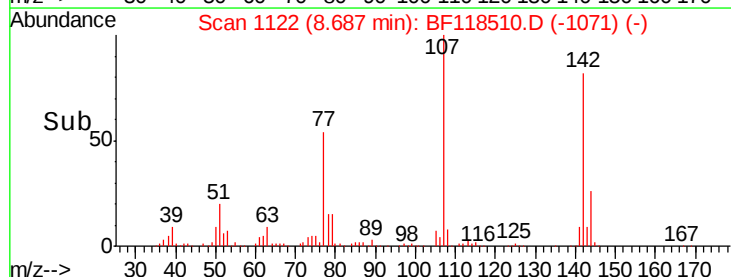
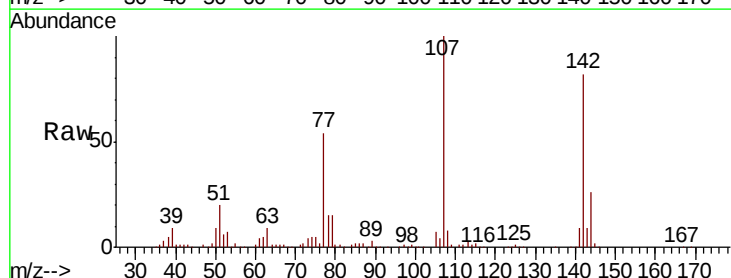
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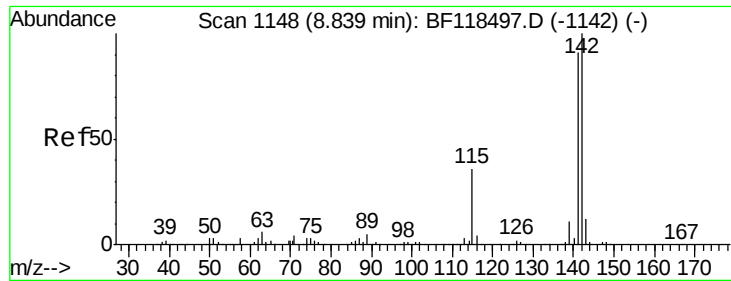
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#36
4-Chloro-3-methylphenol
Concen: 40.304 ng
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.6	31.0
142	82.0	65.0	97.4





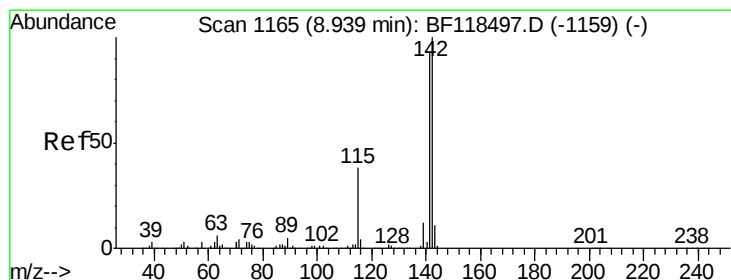
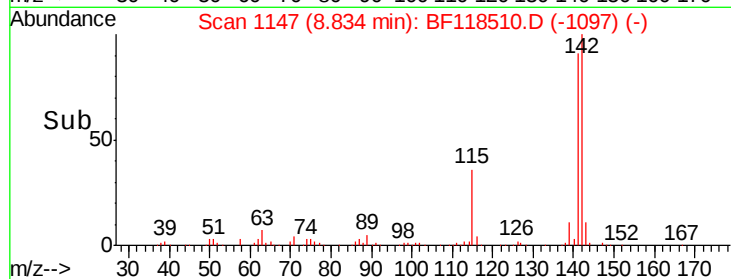
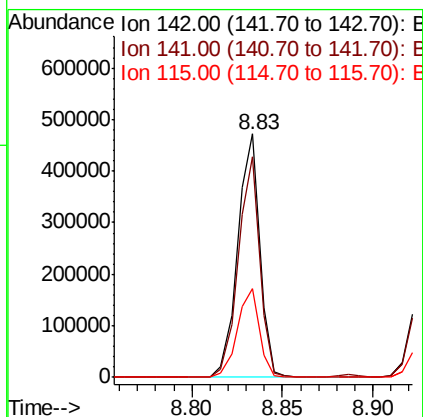
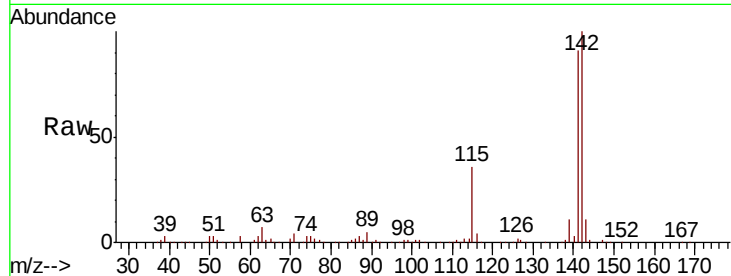
#37
2-Methylnaphthalene
Concen: 42.830 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.0	109.6
115	36.5	28.4	42.6

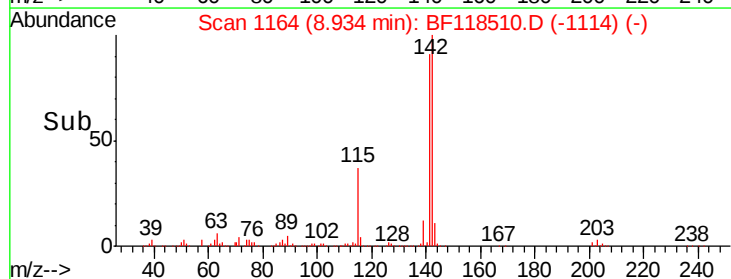
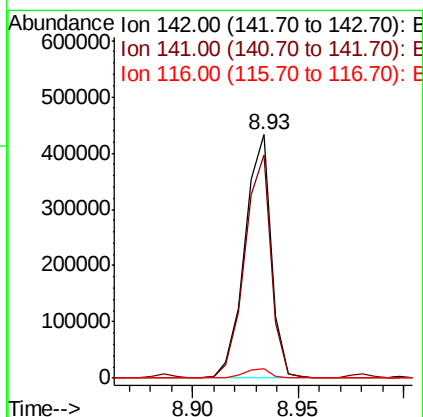
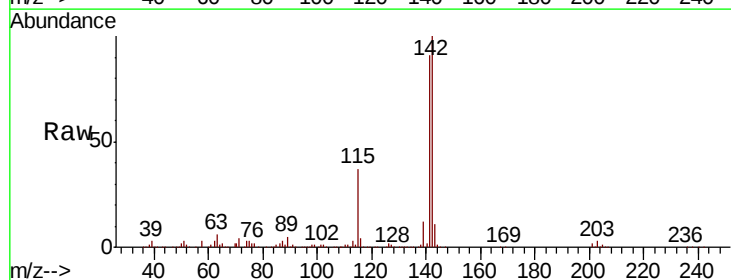
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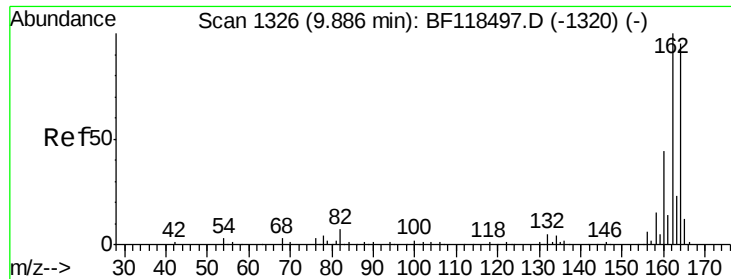
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#38
1-Methylnaphthalene
Concen: 42.550 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.3	111.5
116	3.8	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

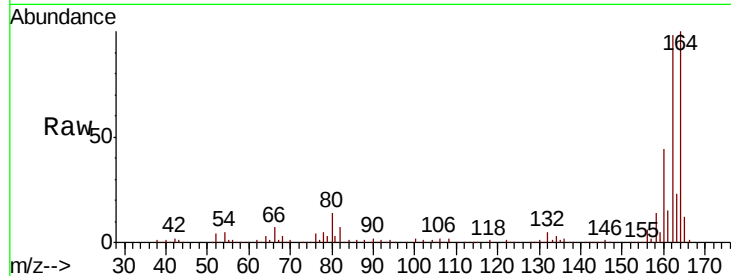
ClientSampleId :

TP-4MS

Tot Ion:	164	Resp:	136446
Ion Ratio	Lower	Upper	
164	100		
162	97.6	84.2	126.4
160	43.9	36.8	55.2

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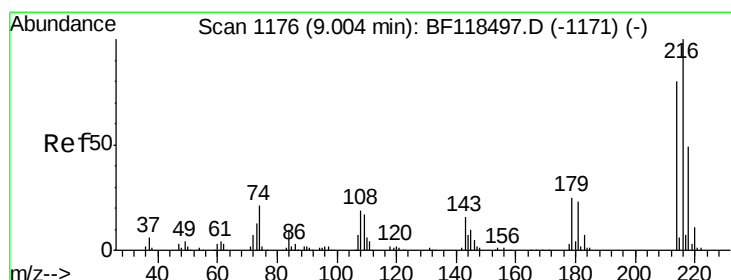
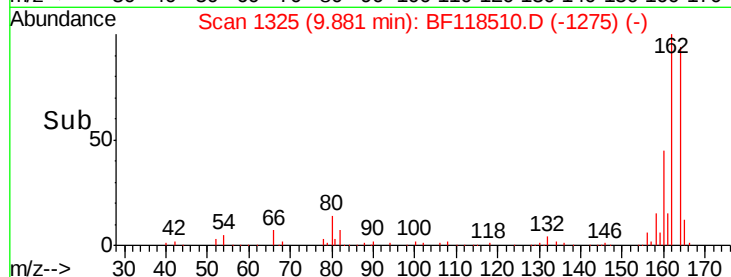
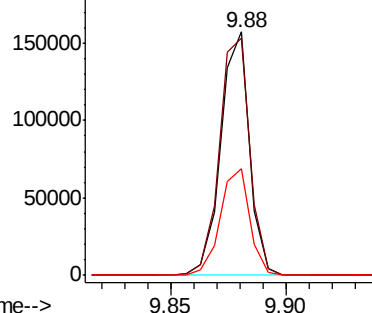


Abundance

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: 39.478 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	216	Resp:	165508
Ion Ratio	Lower	Upper	
216	100		
214	78.1	62.4	93.6
179	23.5	18.7	28.1
108	19.6	15.3	22.9

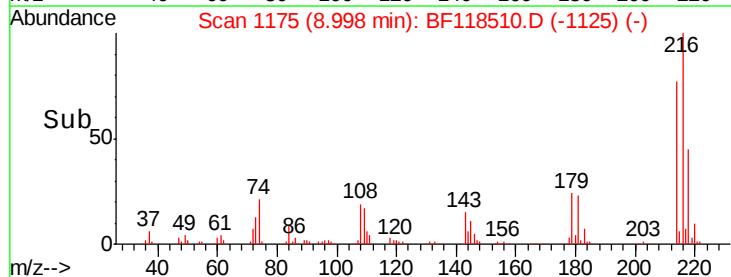
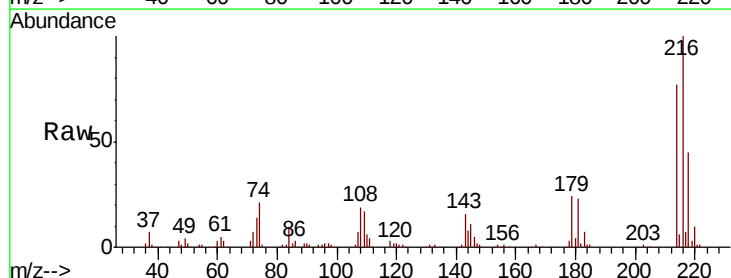
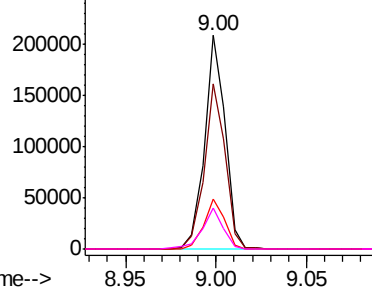
Abundance

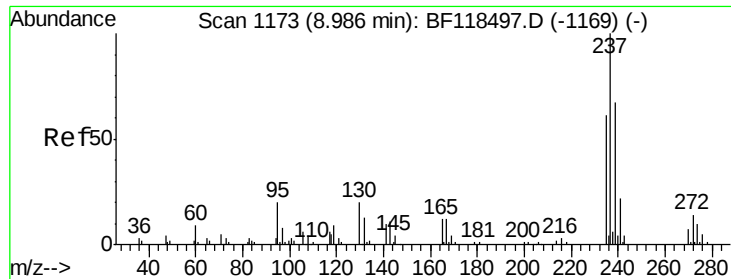
Ion 216.00 (215.70 to 216.70): E

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: 41.086 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

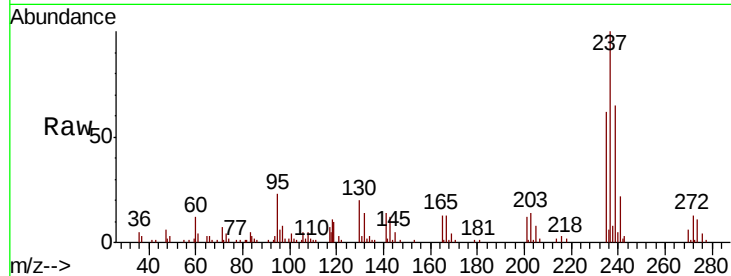
ClientSampleId :

TP-4MS

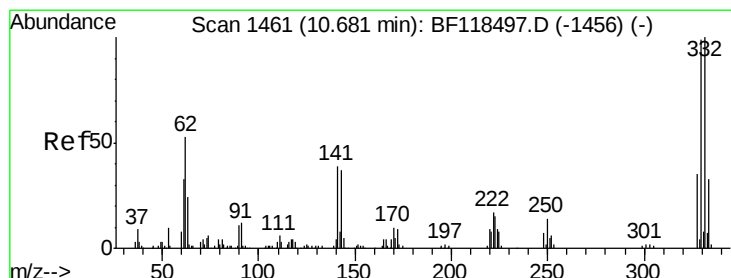
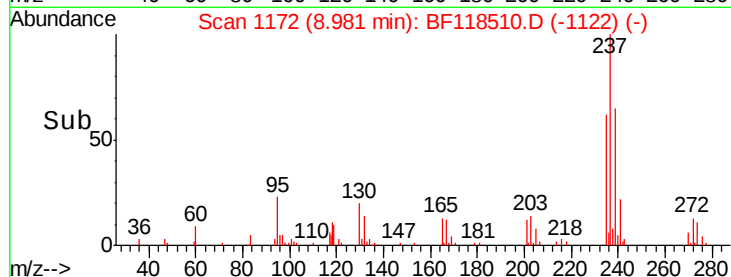
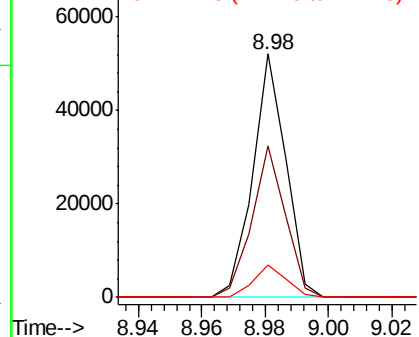
Tot Ion:	237	Resp:	37783
Ion Ratio	Lower	Upper	
237	100		
235	62.0	40.8	80.8
272	13.4	0.0	34.2

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



#42

2,4,6-Tribromophenol

Concen: 115.476 ng

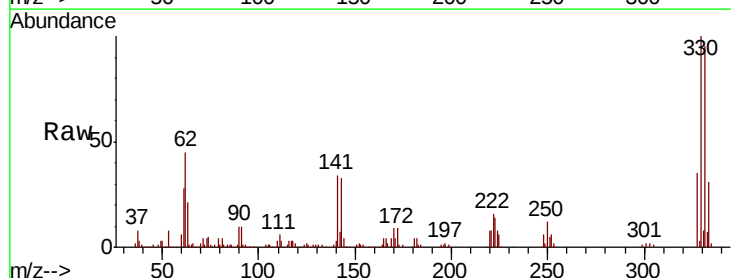
RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

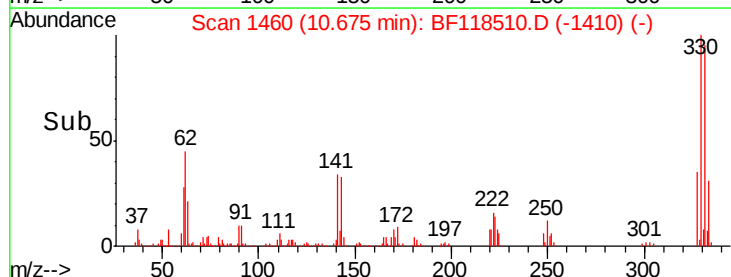
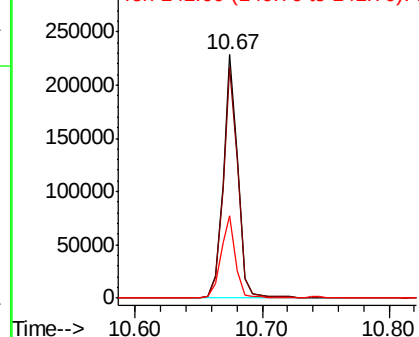
Lab File: BF118510.D

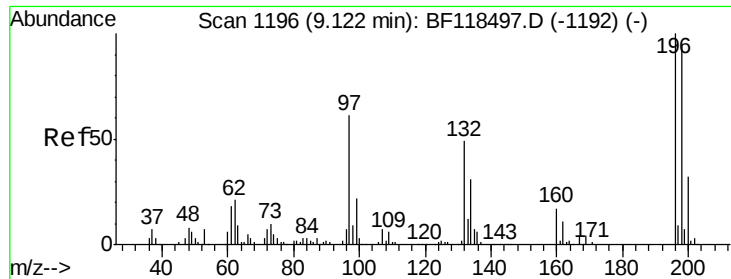
Acq: 8 Jan 2020 20:45

Tgt Ion:	330	Resp:	185920
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.9	116.9
141	34.5	28.6	43.0



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





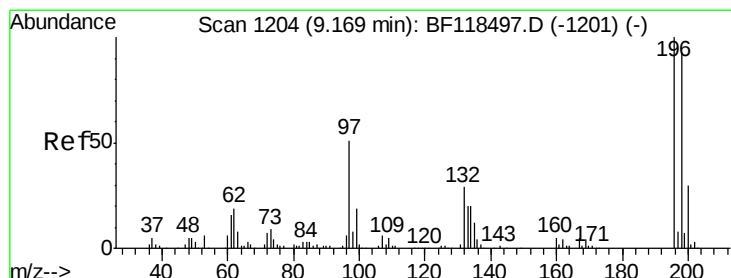
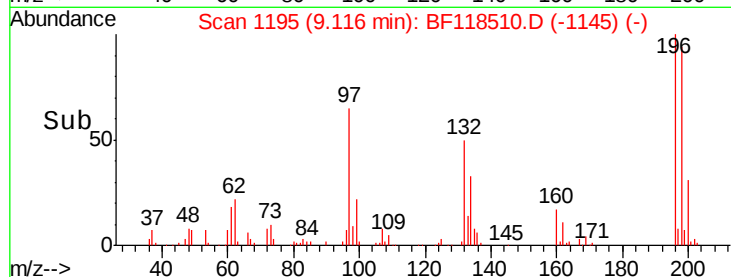
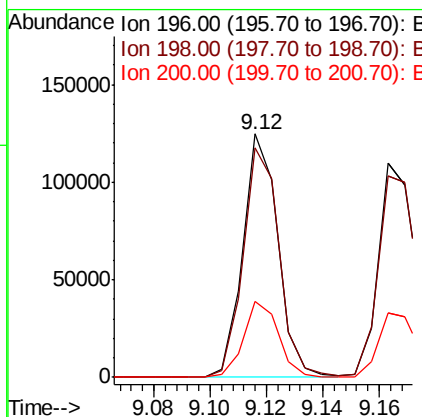
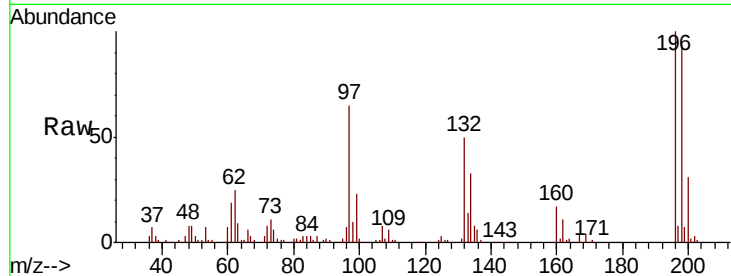
#43
 2,4,6-Trichlorophenol
 Concen: 41.554 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Instrument :
 BNA_F
 ClientSampled :
 TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	107652		
198	94.4	76.2	114.4	
200	31.2	25.2	37.8	

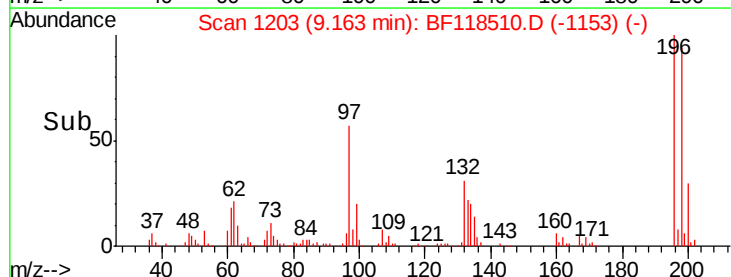
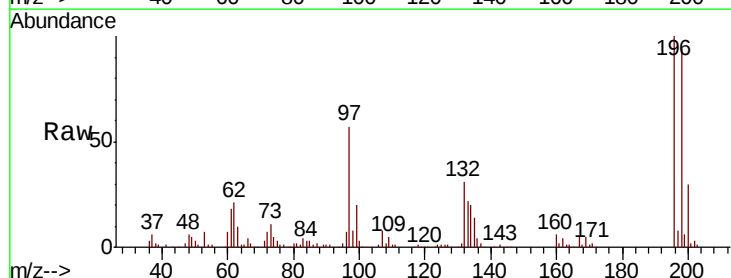
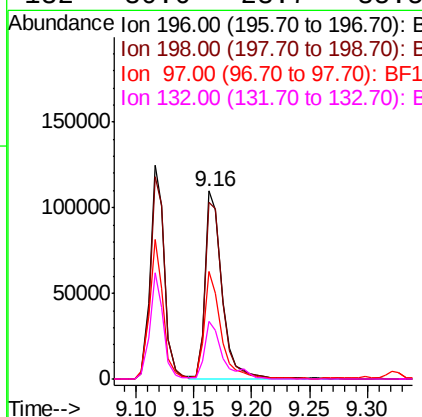
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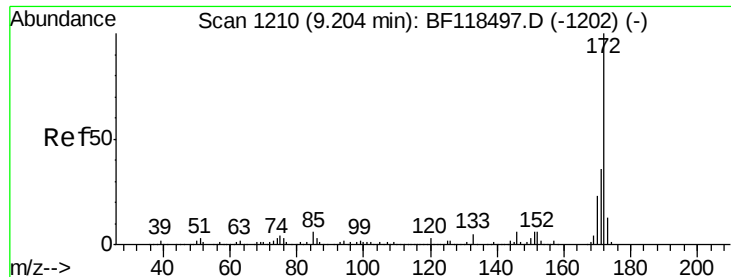
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#44
 2,4,5-Trichlorophenol
 Concen: 42.439 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	113772		
198	93.7	74.7	112.1	
97	56.9	40.7	61.1	
132	30.6	23.7	35.5	





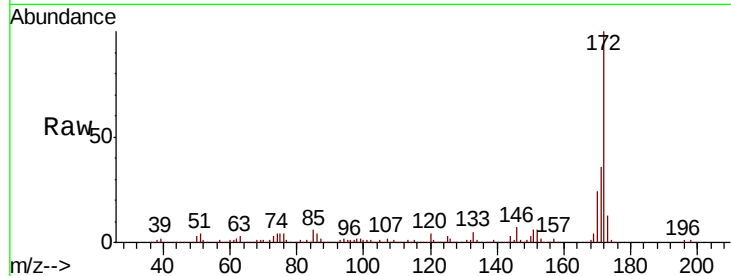
#45
 2-Fluorobiphenyl
 Concen: 64.672 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.6	18.6	27.8

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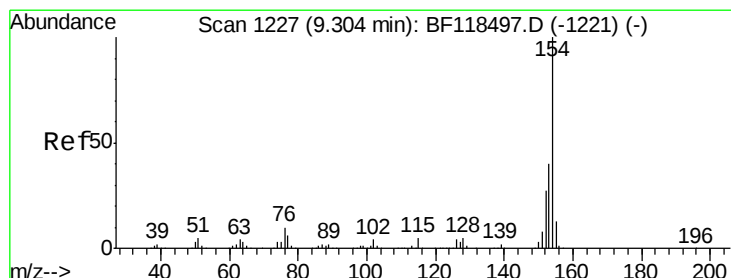
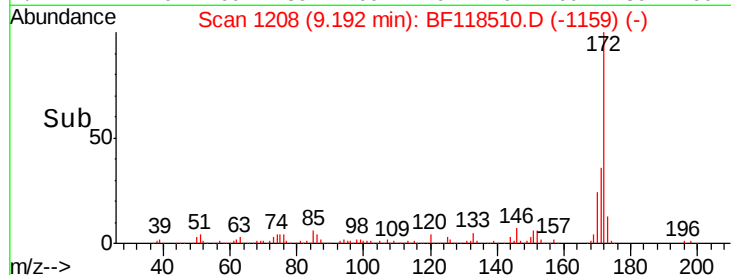
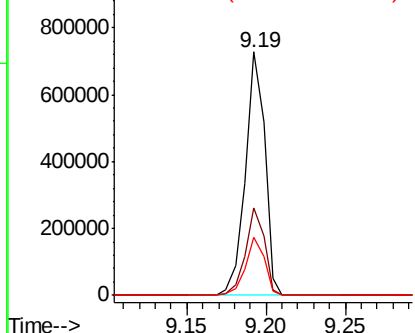


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
 1,1'-Biphenyl
 Concen: 41.174 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

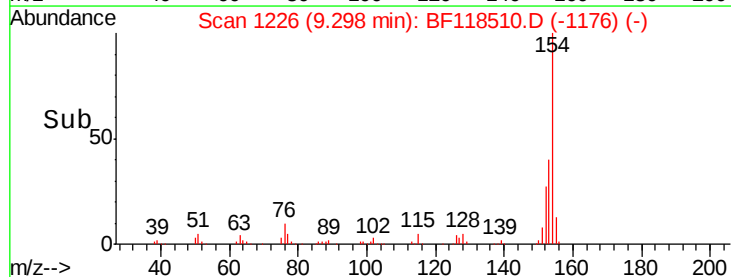
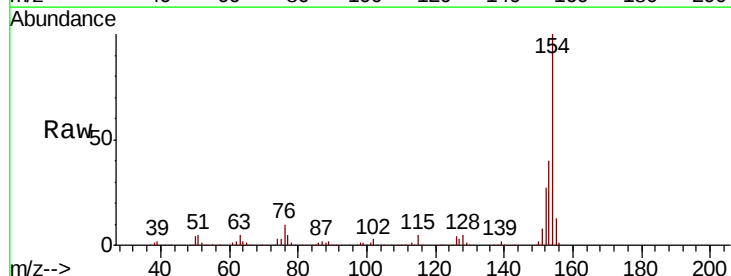
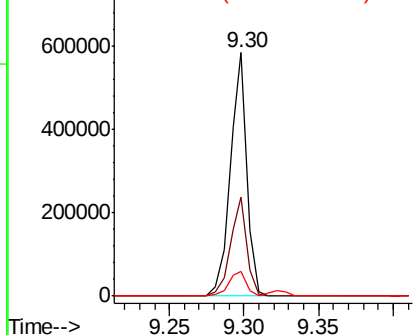
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.2	60.2
76	10.3	0.0	30.4

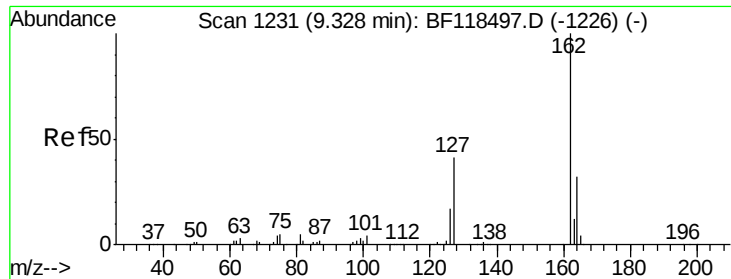
Abundance

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





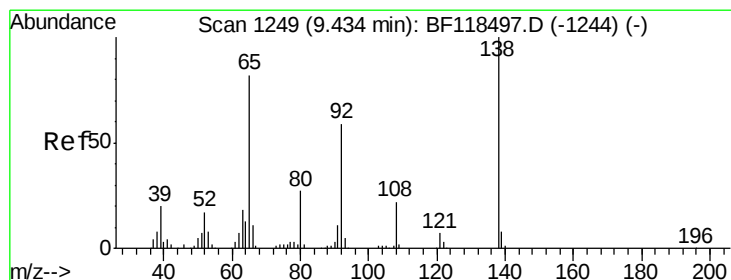
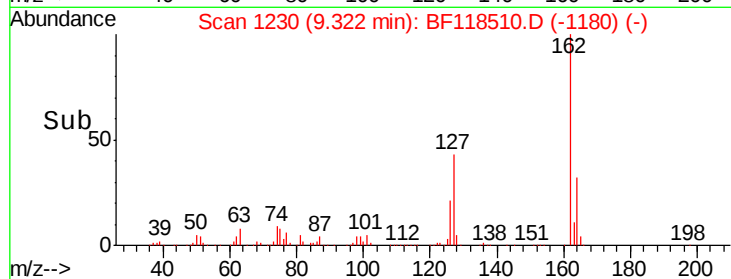
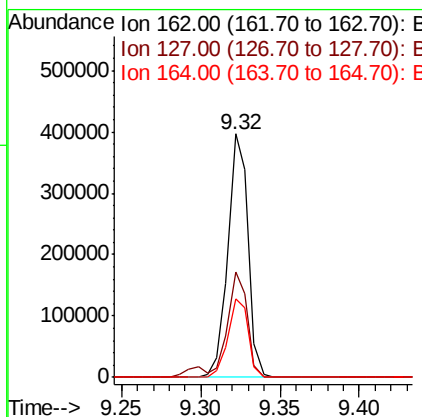
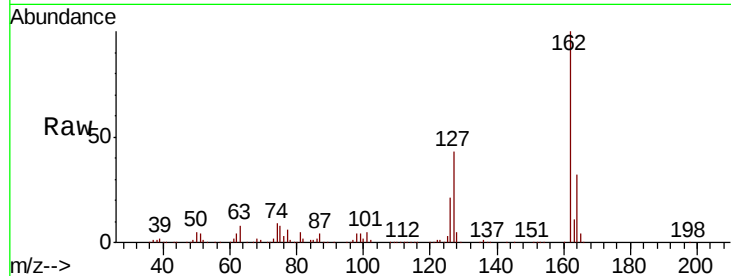
#47
 2-Chloronaphthalene
 Concen: 39.440 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion:	162	Resp:	348019
Ion Ratio	Lower	Upper	
162	100		
127	43.5	35.5	53.3
164	32.1	25.8	38.8

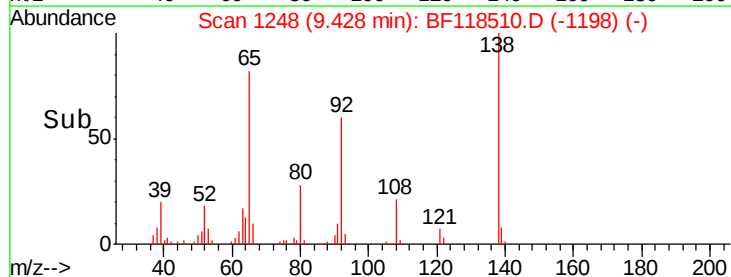
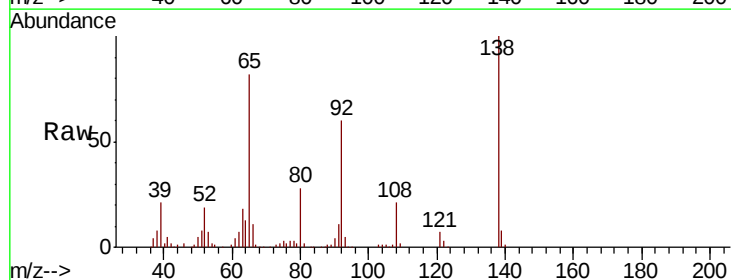
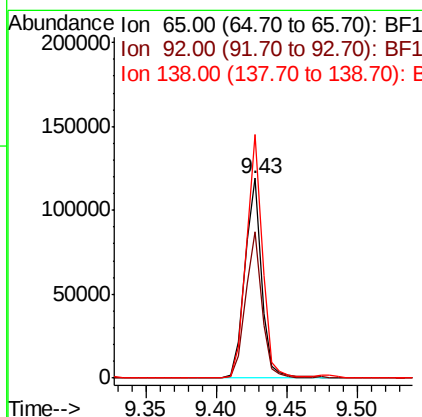
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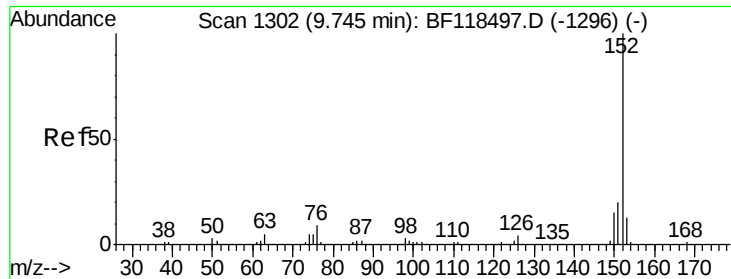
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#48
 2-Nitroaniline
 Concen: 38.629 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF118510.D
 Acq: 8 Jan 2020 20:45

Tgt Ion:	65	Resp:	98499
Ion Ratio	Lower	Upper	
65	100		
92	73.1	57.7	86.5
138	122.0	97.2	145.8





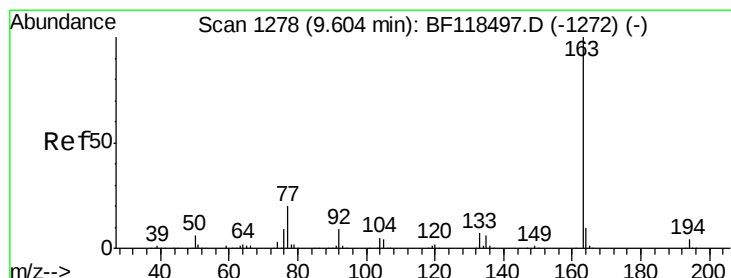
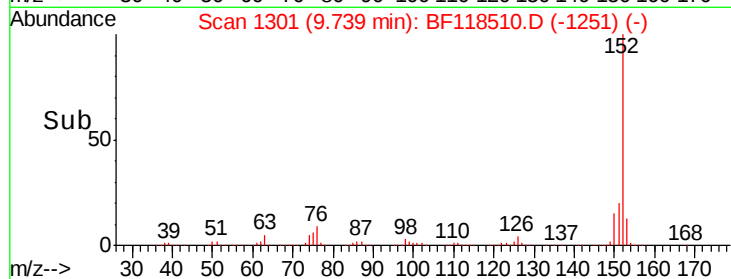
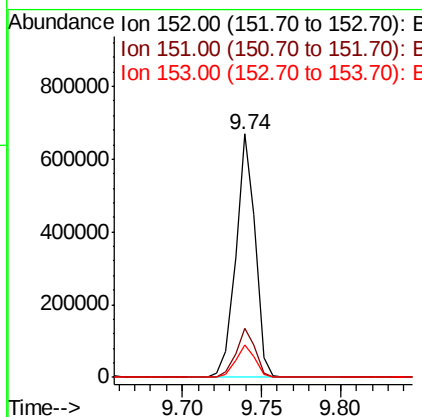
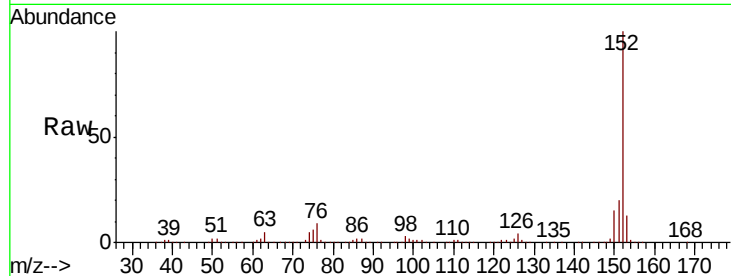
#49
Acenaphthylene
Concen: 42.852 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:	152	Resp:	562850
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.2	10.6	16.0

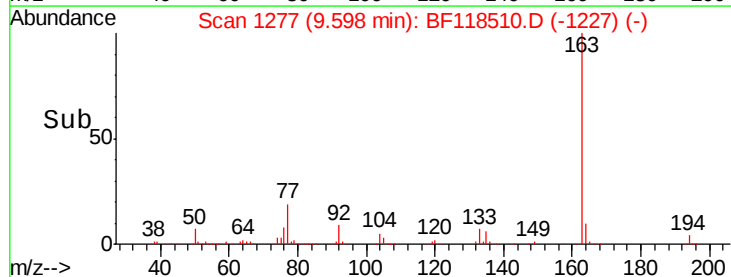
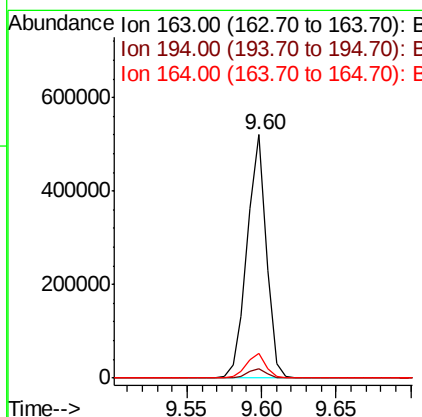
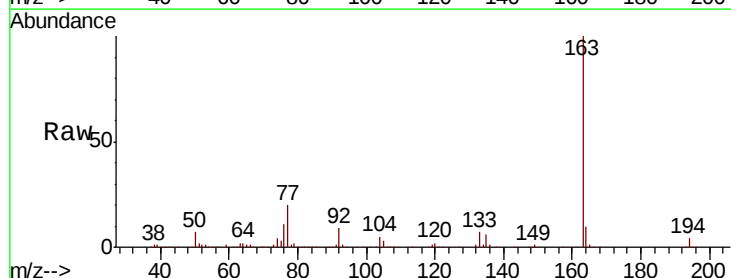
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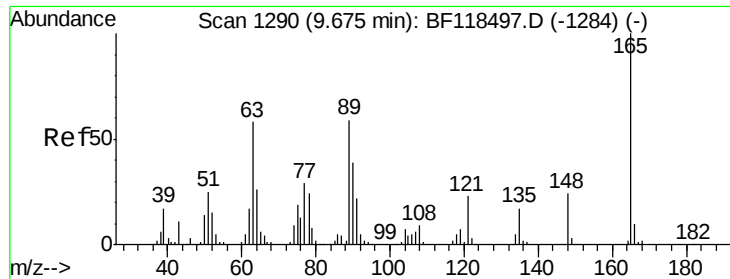
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#50
Dimethylphthalate
Concen: 44.292 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion:	163	Resp:	463841
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.0	8.1	12.1





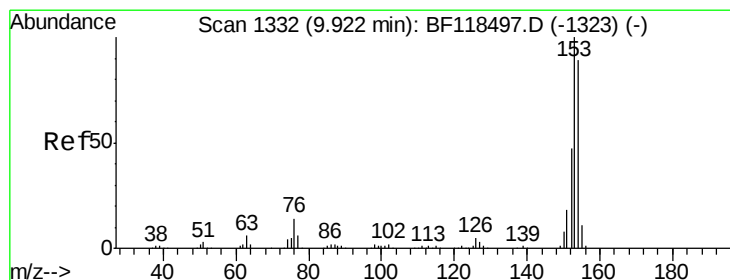
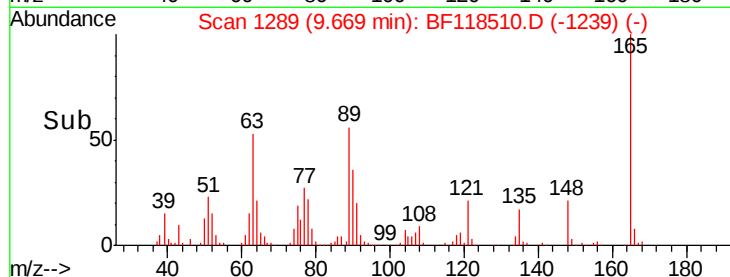
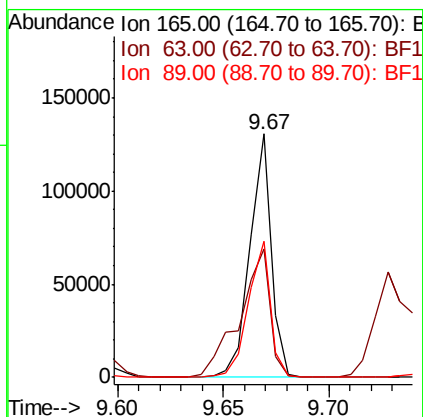
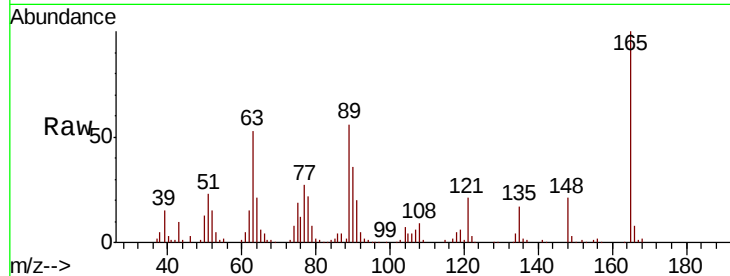
#51
2,6-Dinitrotoluene
Concen: 41.144 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.6	46.6	70.0
89	56.0	47.5	71.3

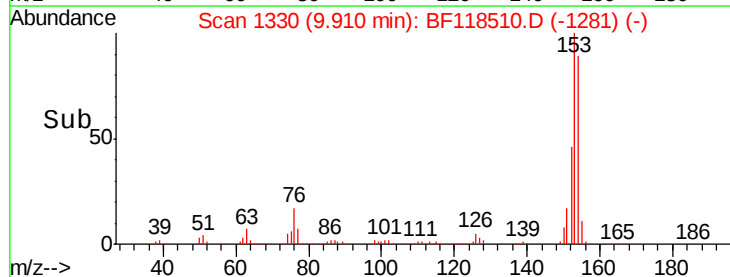
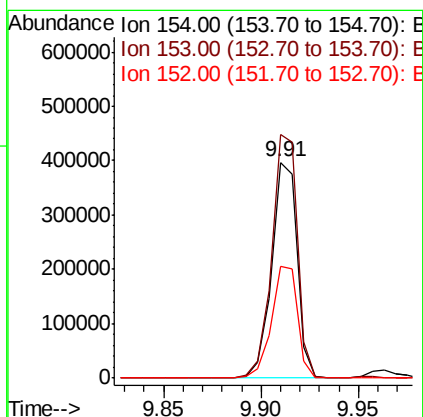
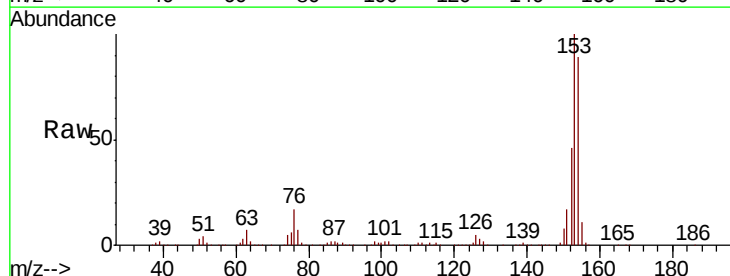
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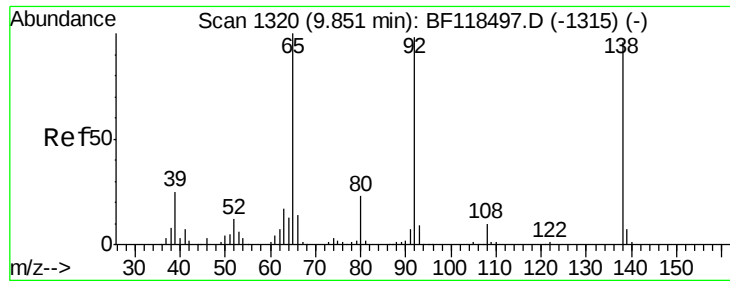
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#52
Acenaphthene
Concen: 44.754 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.7	134.5
152	52.0	41.9	62.9





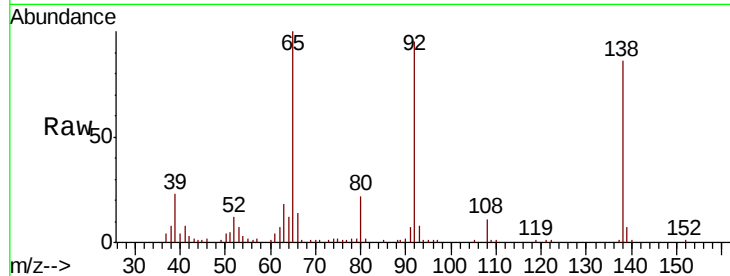
#53
3-Nitroaniline
Concen: 17.588 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

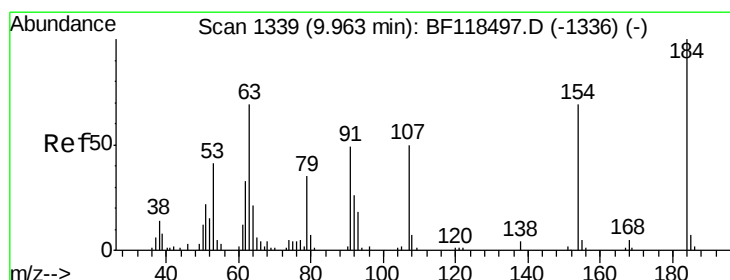
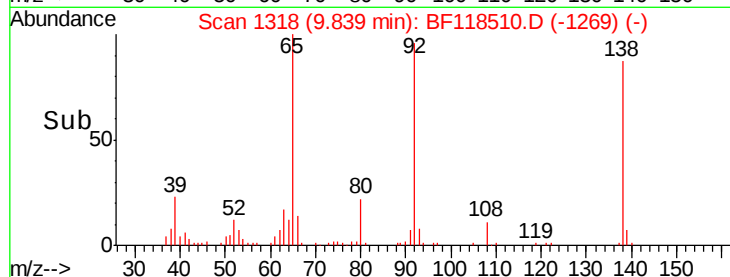
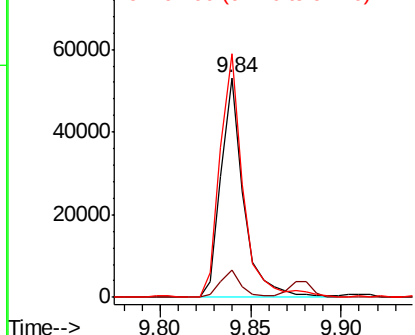
Tot Ion	Ratio	Lower	Upper
138	100		
108	12.3	8.1	12.1#
92	110.8	81.6	122.4

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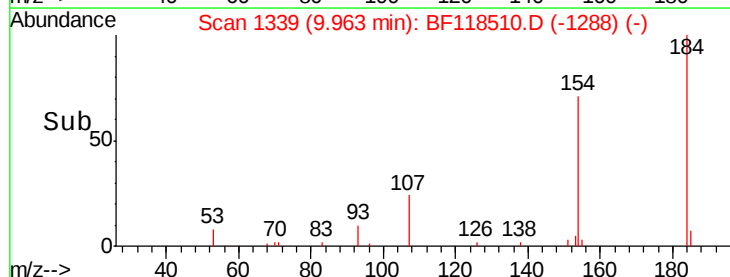
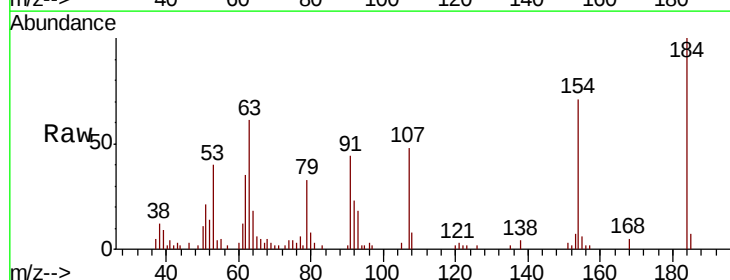
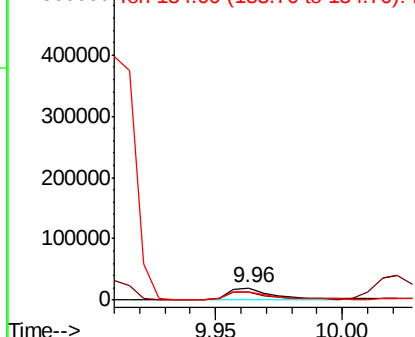
Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

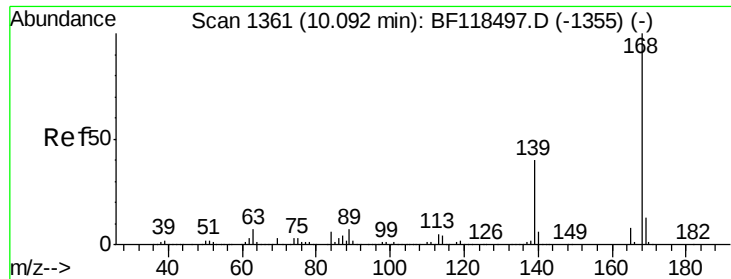


#54
2,4-Dinitrophenol
Concen: 28.209 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.0	55.3	82.9
154	71.0	55.0	82.4

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





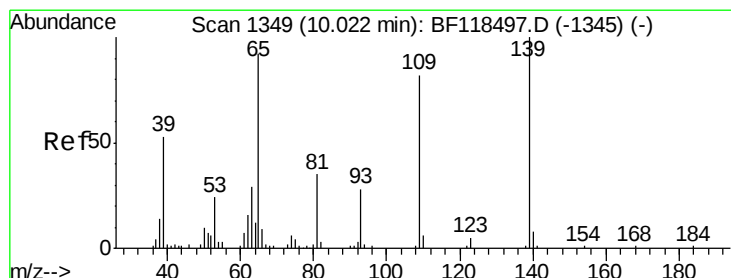
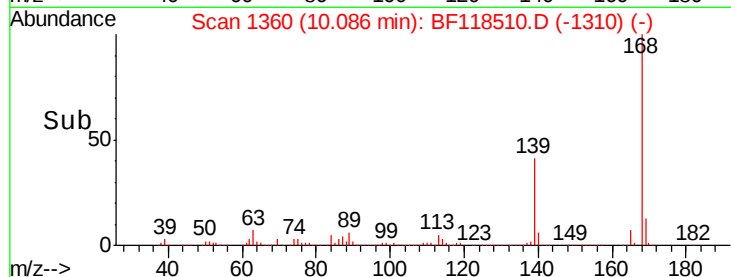
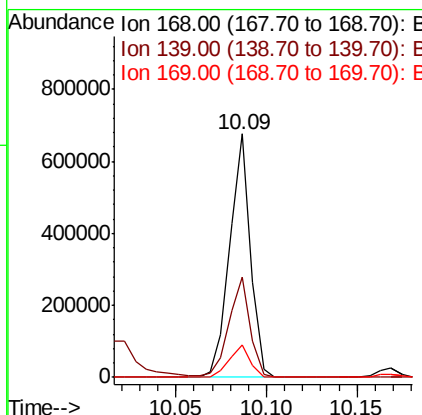
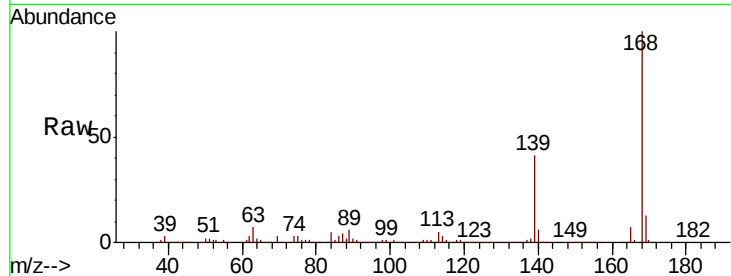
#55
Dibenzenofuran
Concen: 44.892 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.5	48.7
169	13.4	10.6	16.0

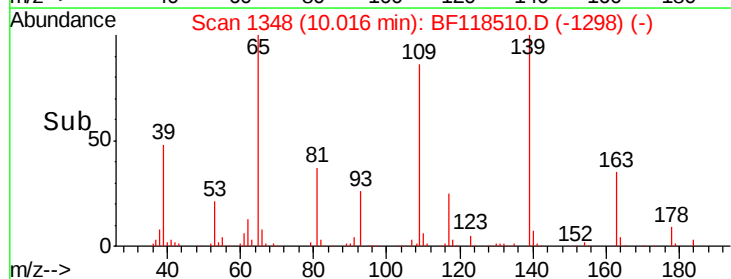
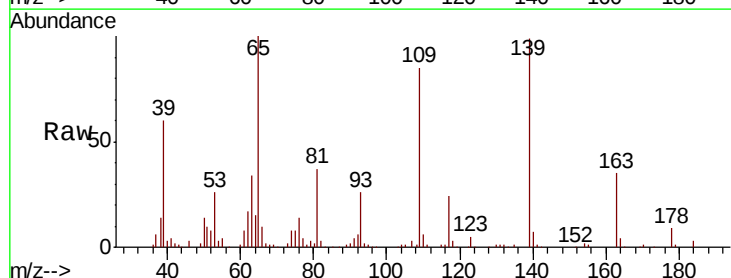
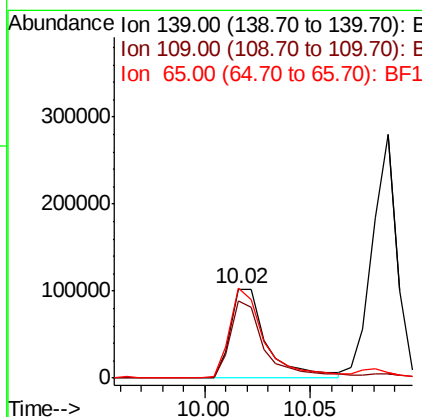
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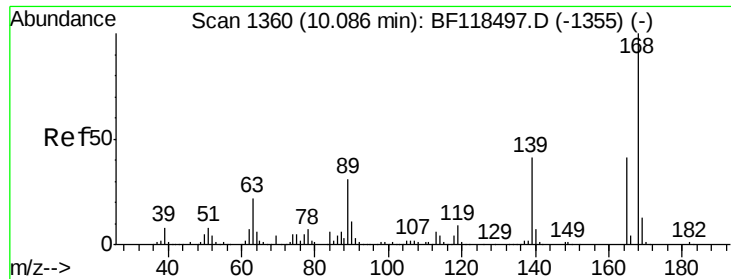
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#56
4-Nitrophenol
Concen: 95.140 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	86.3	62.2	102.2
65	101.3	72.8	112.8





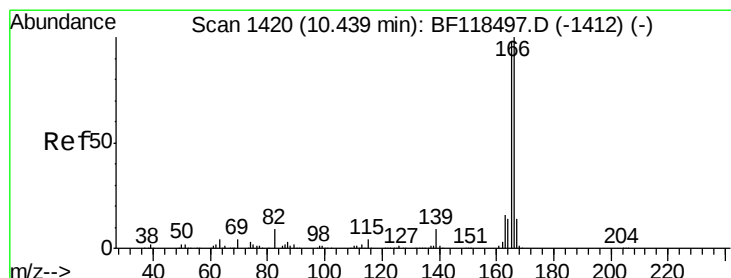
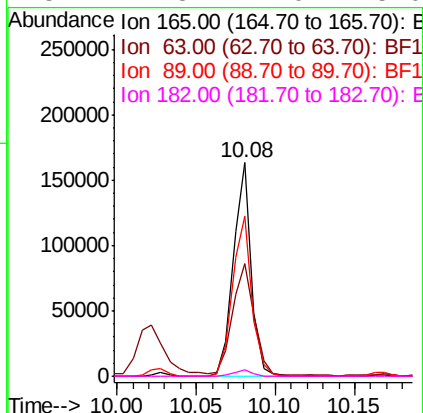
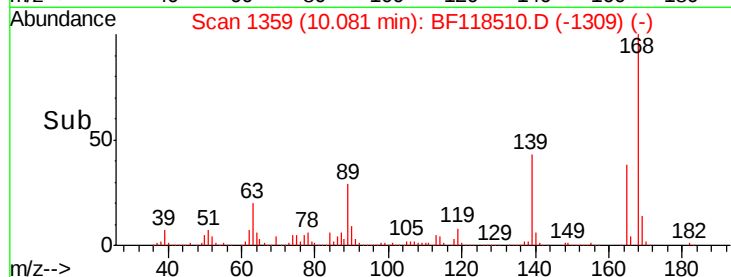
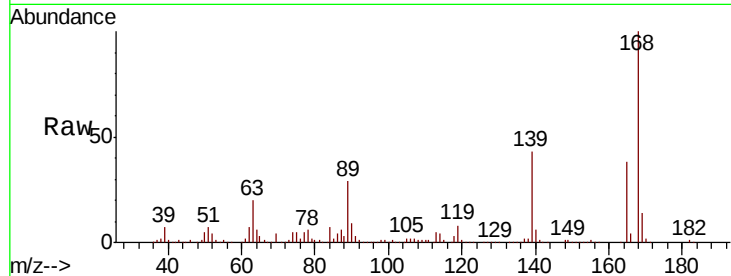
#57
2,4-Dinitrotoluene
Concen: 42.170 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	127341		
63	53.0	44.1	66.1	
89	75.0	60.4	90.6	
182	2.8	2.0	3.0	

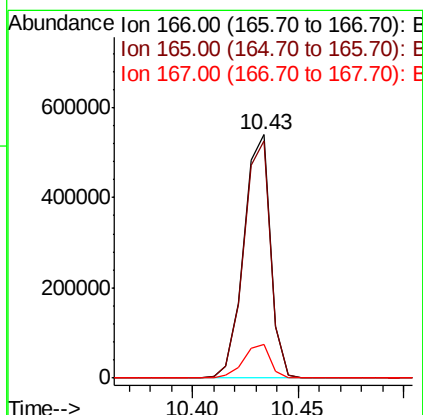
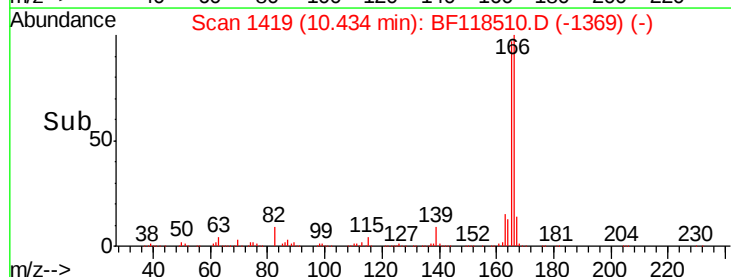
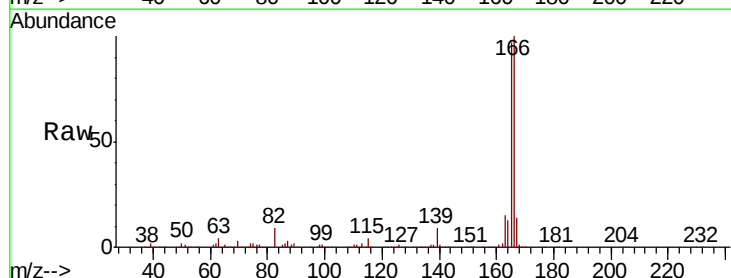
Manual Integrations
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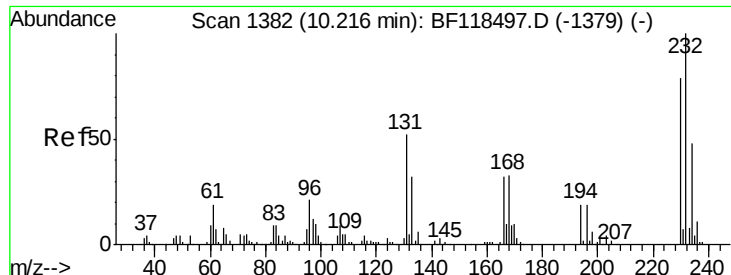
mohammad
1/9/2020 12:11:00 PM



#58
Fluorene
Concen: 48.997 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	474459		
165	97.3	78.6	117.8	
167	13.9	10.8	16.2	





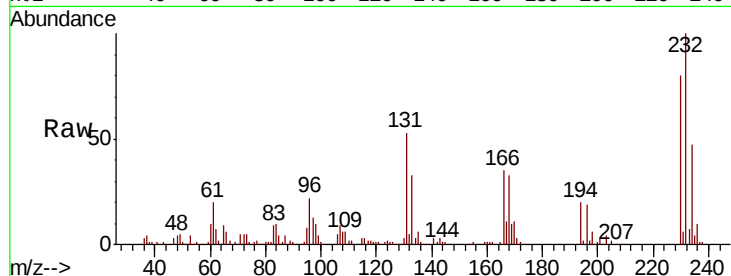
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.095 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	51.6	42.2	63.4
130	3.2	2.1	3.1
166	32.5	25.7	38.5

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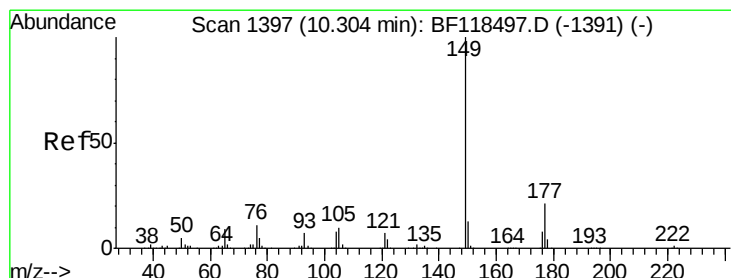
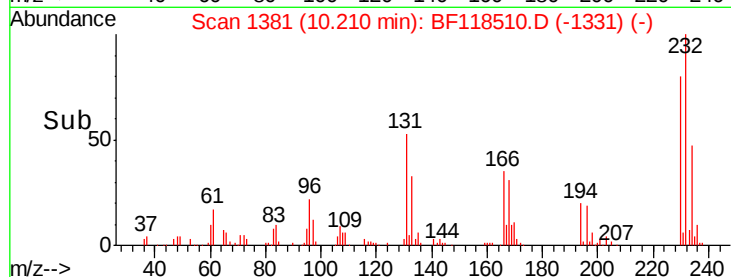
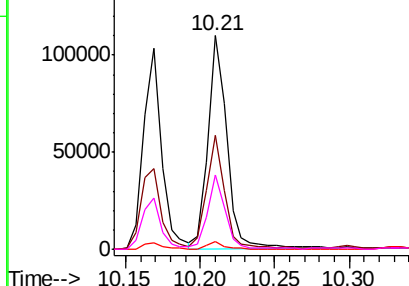
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 43.976 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

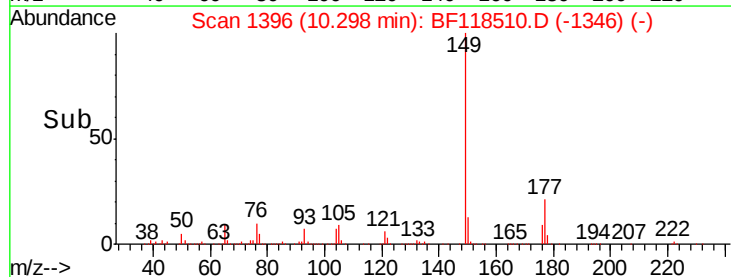
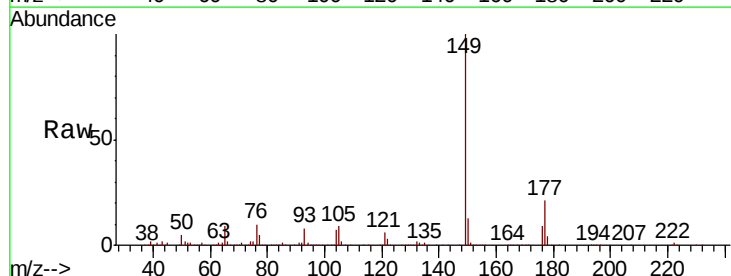
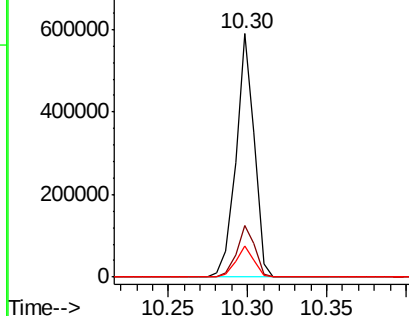
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.5	24.7
150	12.8	10.2	15.2

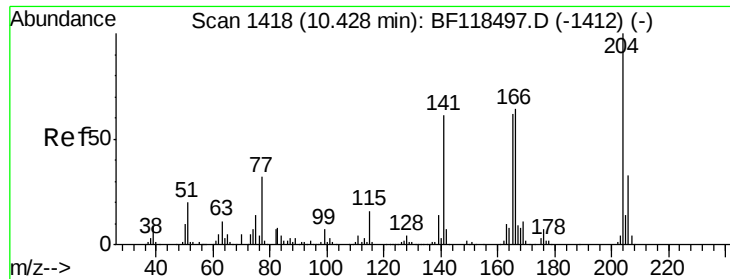
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





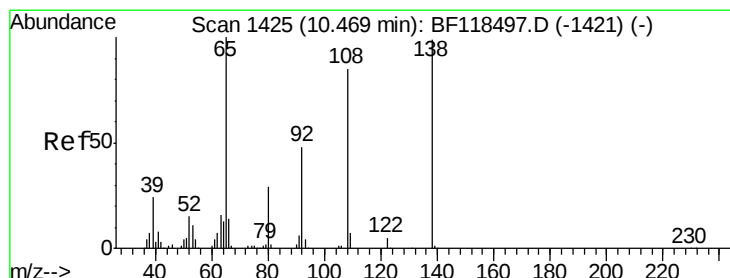
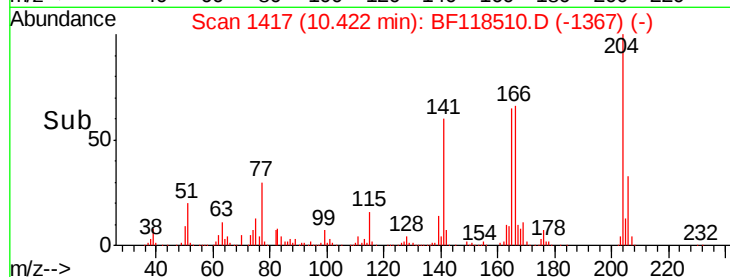
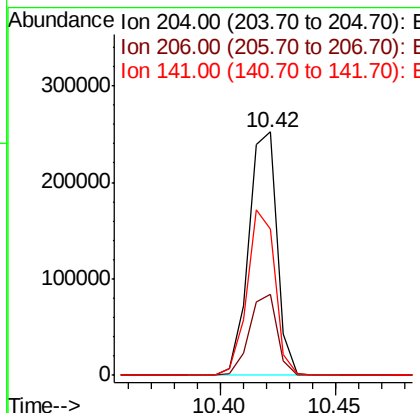
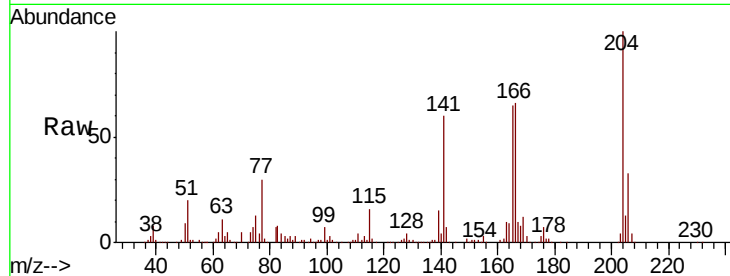
#61
4-Chlorophenyl-phenylether
Concen: 44.970 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.0	39.0
141	60.0	49.0	73.6

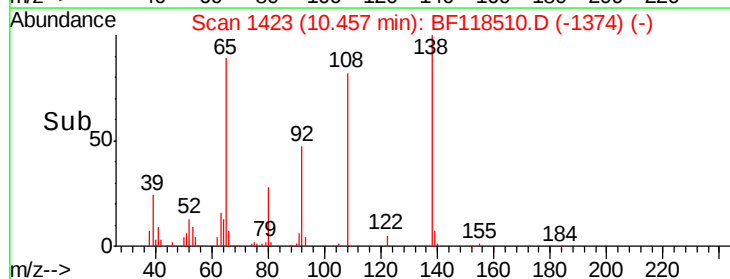
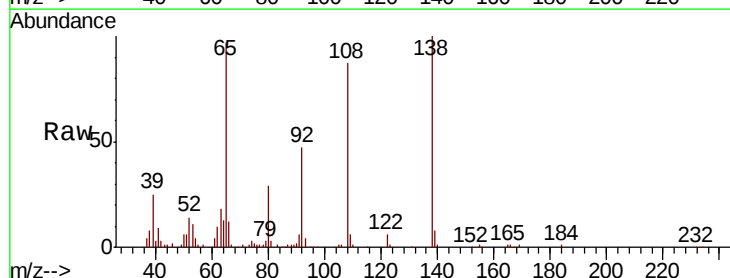
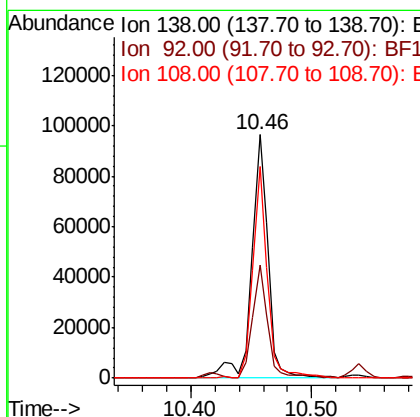
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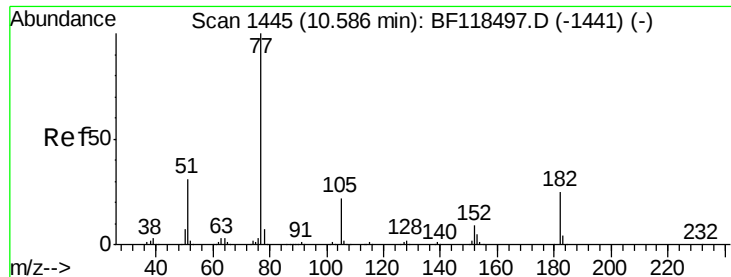
mohammad
1/9/2020 12:11:00 PM



#62
4-Nitroaniline
Concen: 35.695 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.5	27.9	67.9
108	86.7	64.7	104.7





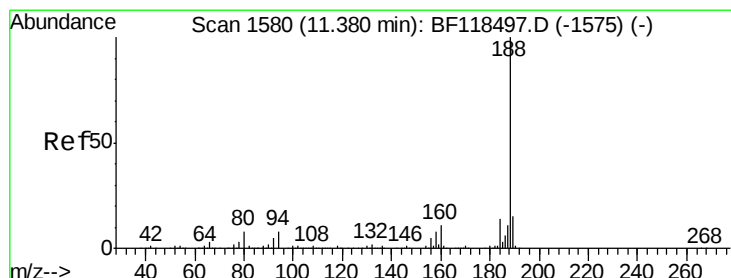
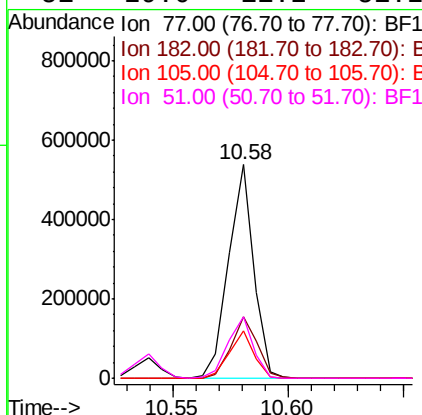
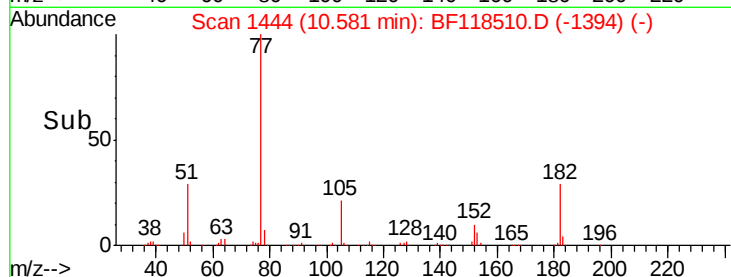
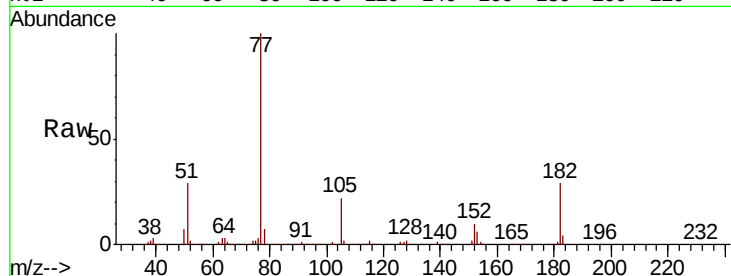
#63
Azobenzene
Concen: 44.912 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.0	5.2	45.2	
105	22.3	1.7	41.7	
51	29.0	11.2	51.2	

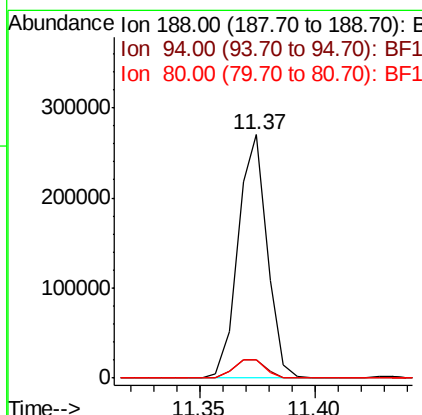
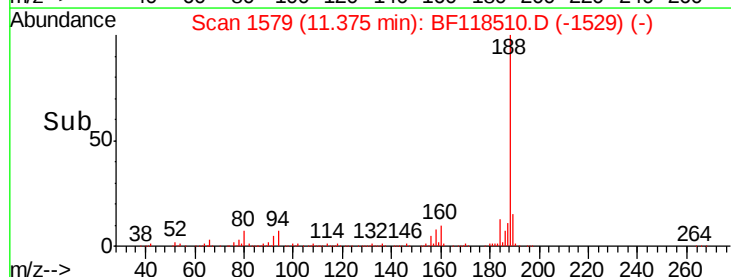
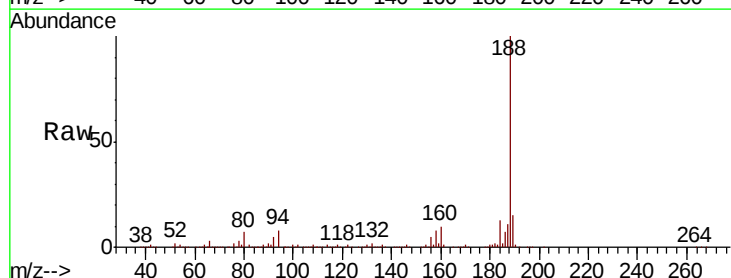
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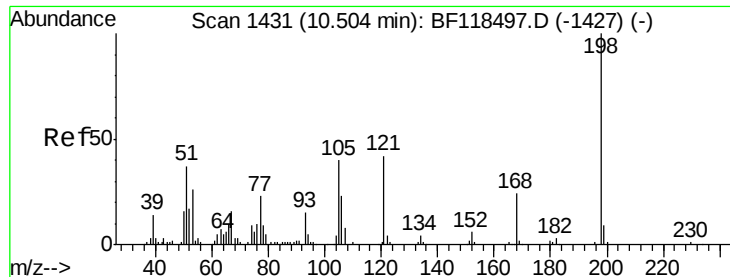
mohammad
1/9/2020 12:11:00 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.7	6.2	9.4	
80	7.5	6.6	10.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 22.095 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tot Ion:198 Resp: 27718

Ion Ratio Lower Upper

198 100

51 39.6 17.8 57.8

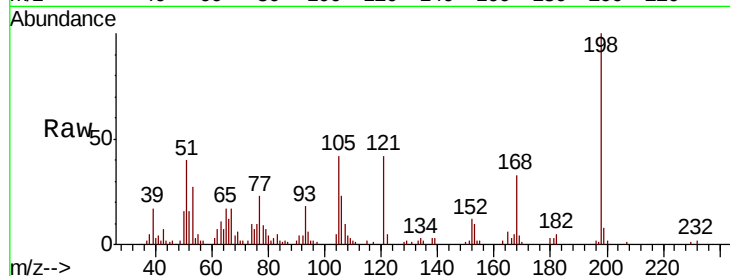
105 41.5 20.1 60.1

Manual Integrations

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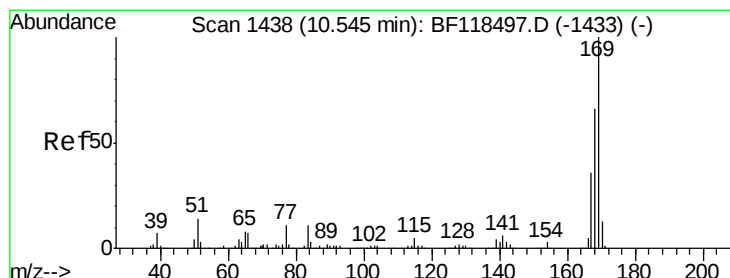
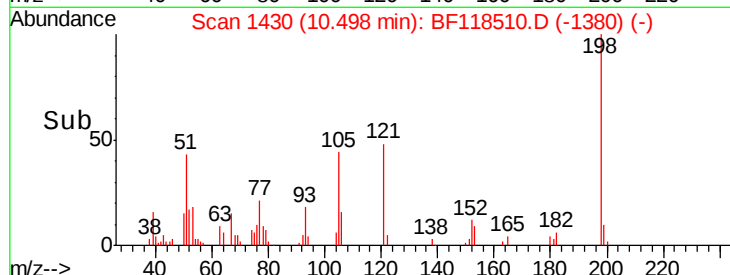
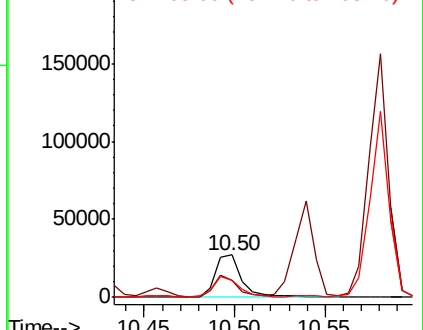
1/9/2020 12:11:00 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.370 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

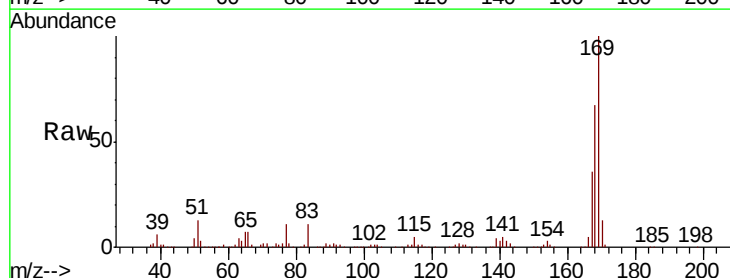
Tgt Ion:169 Resp: 381527

Ion Ratio Lower Upper

169 100

168 67.0 53.4 80.2

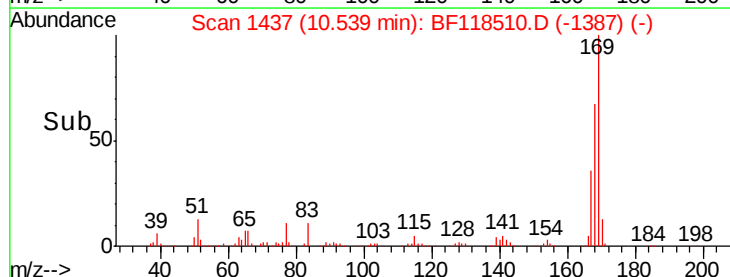
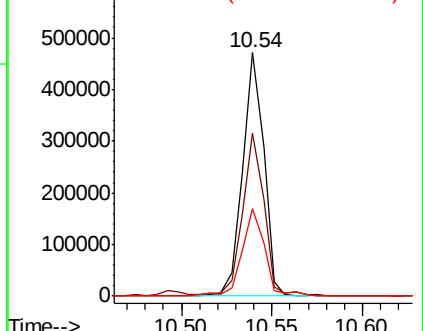
167 35.8 28.9 43.3

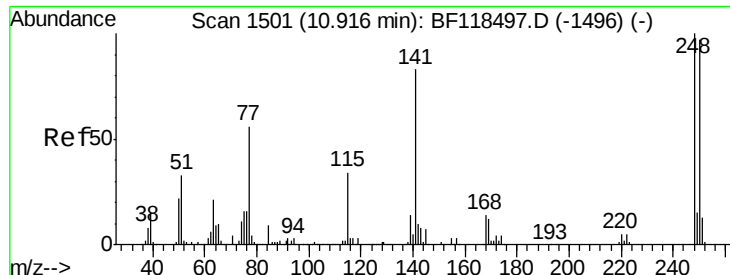


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





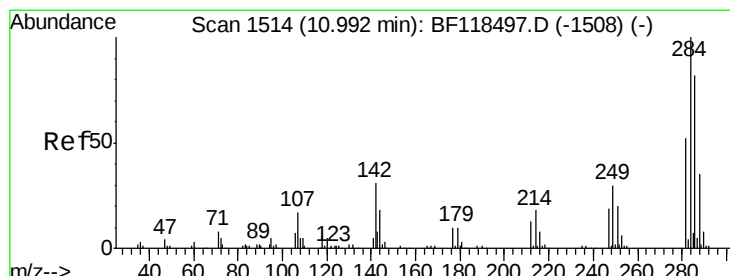
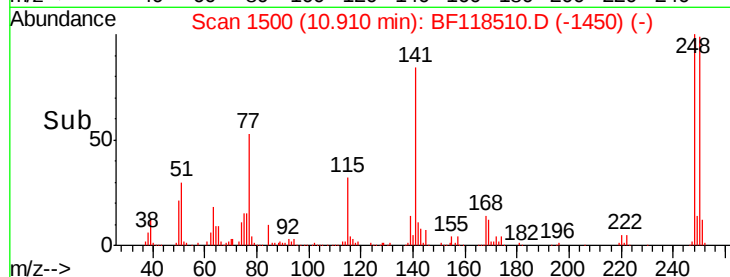
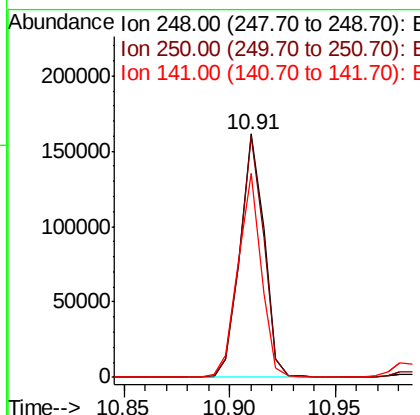
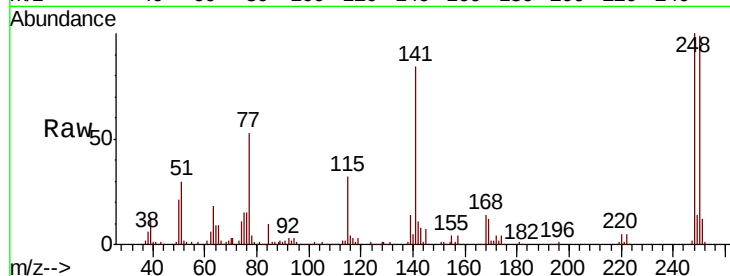
#67
4-Bromophenyl-phenylether
Concen: 45.926 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.4	116.0
141	84.0	66.2	99.4

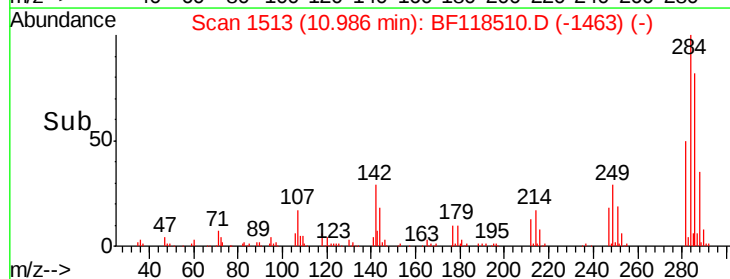
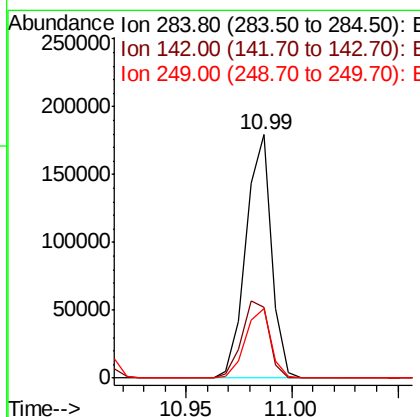
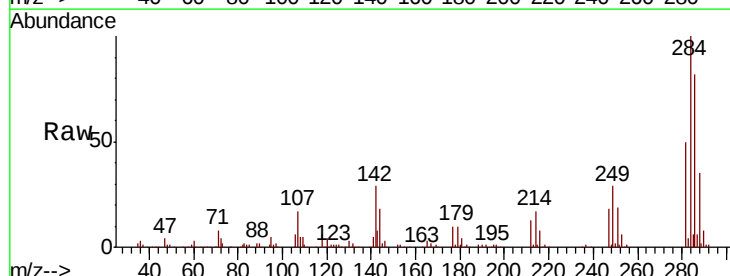
Manual Integrations
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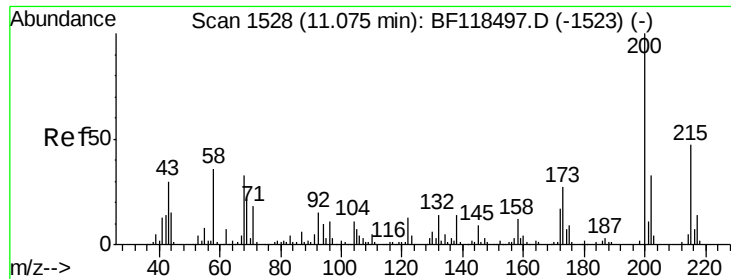
mohammad
1/9/2020 12:11:00 PM



#68
Hexachlorobenzene
Concen: 45.346 ng
RT: 10.99 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.0	24.6	37.0
249	28.6	24.0	36.0





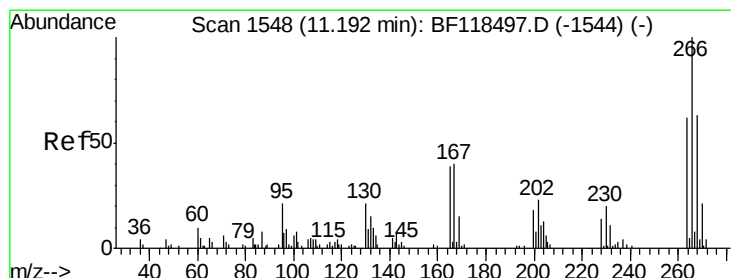
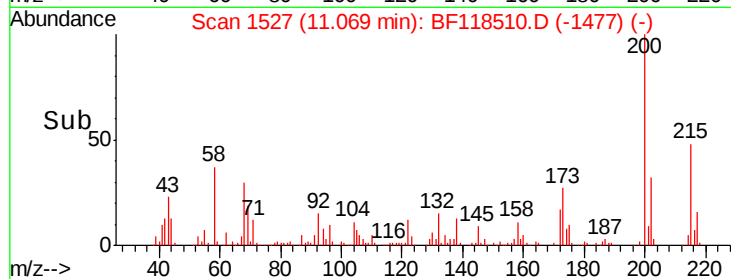
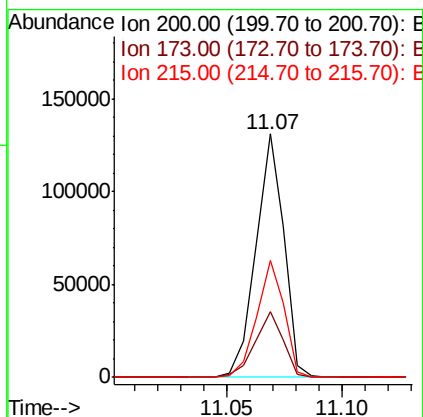
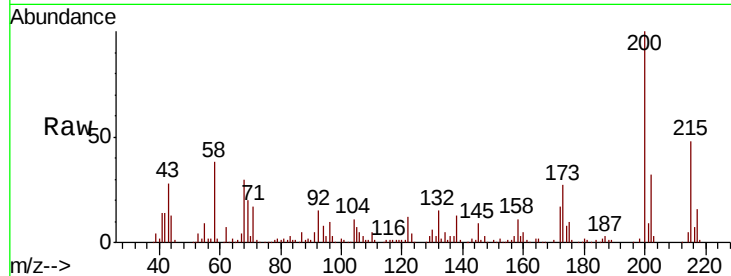
#69
Atrazine
Concen: 48.206 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.0	47.0
215	47.8	27.0	67.0

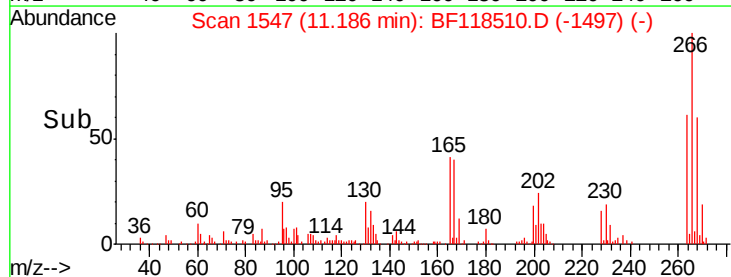
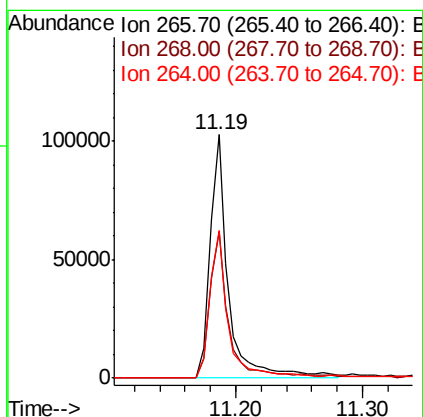
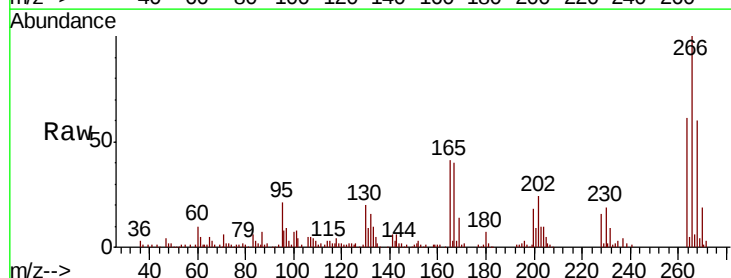
Manual Integrations
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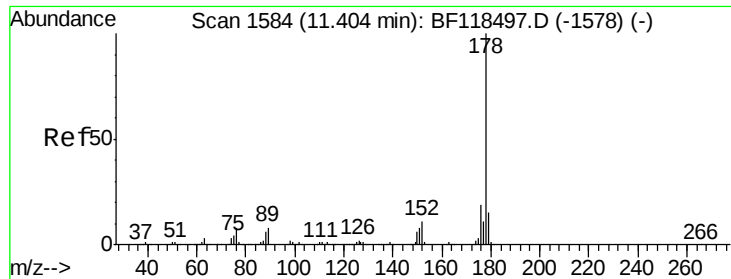
mohammad
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#70
Pentachlorophenol
Concen: 95.614 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.3	50.2	75.2
264	60.9	49.4	74.0





#71

Phenanthrene

Concen: 60.190 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

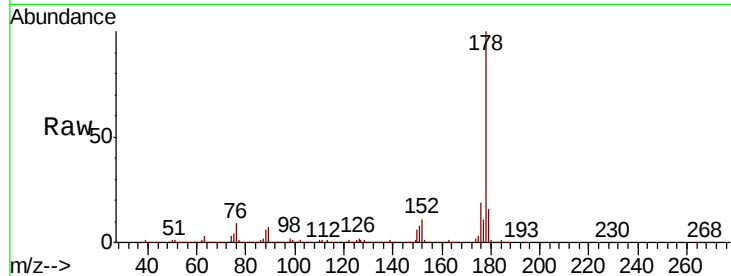
ClientSampleId :

TP-4MS

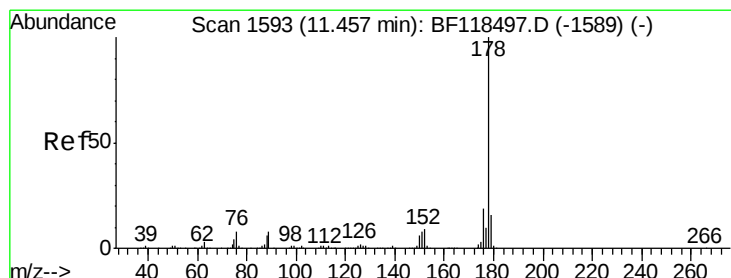
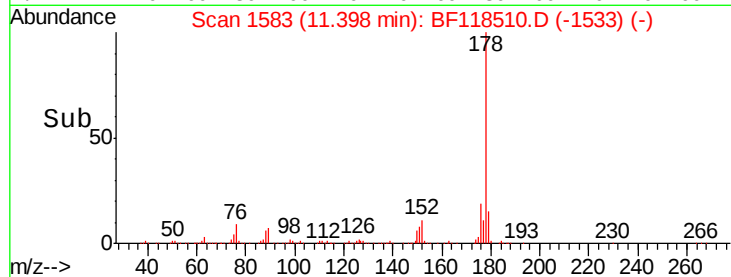
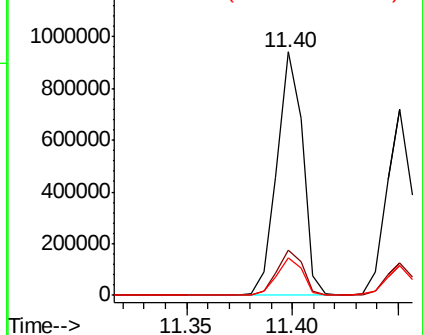
Tot Ion:178	Resp:	800129
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.2 22.8
179	15.5	12.3 18.5

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



#72

Anthracene

Concen: 45.574 ng

RT: 11.45 min Scan# 1592

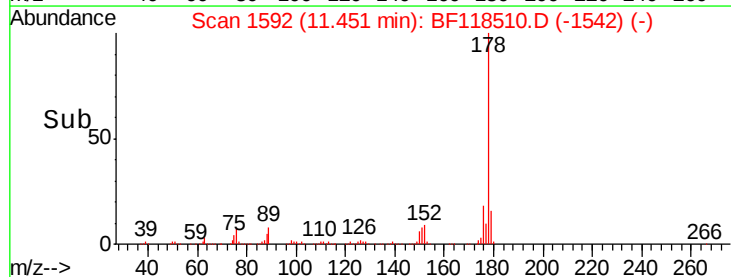
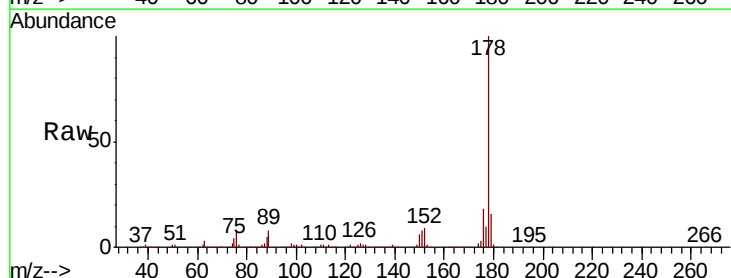
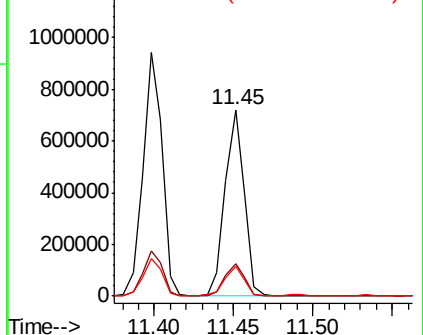
Delta R.T. -0.01 min

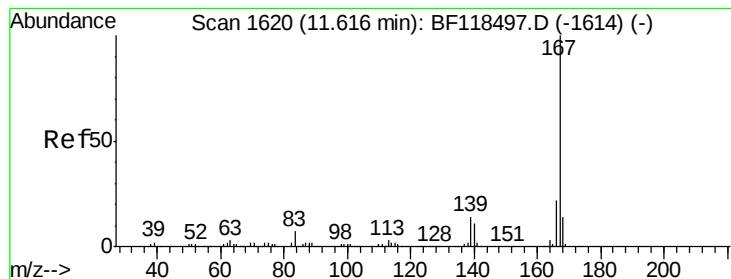
Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:178	Resp:	602705
Ion Ratio	Lower	Upper
178	100	
176	17.5	15.0 22.4
179	15.8	12.6 19.0

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





#73

Carbazole

Concen: 42.056 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

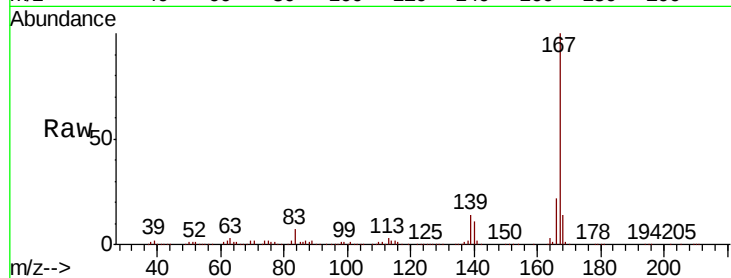
ClientSampleId :

TP-4MS

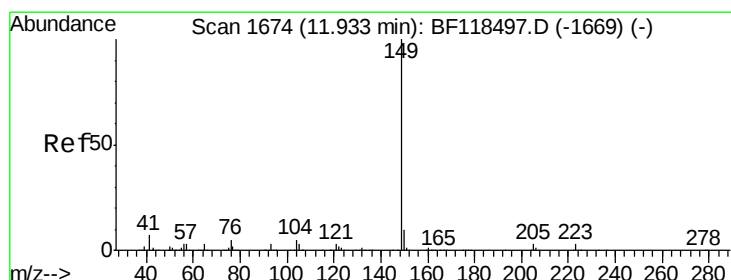
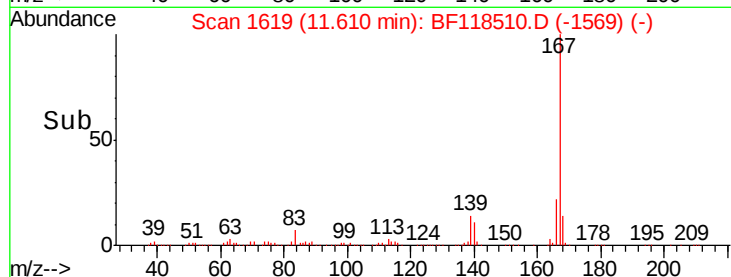
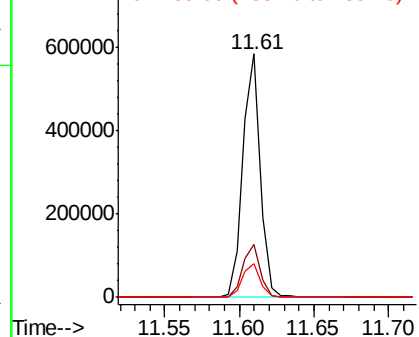
Tot Ion:	167	Resp:	481794
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.4	26.2
139	13.8	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 43.410 ng

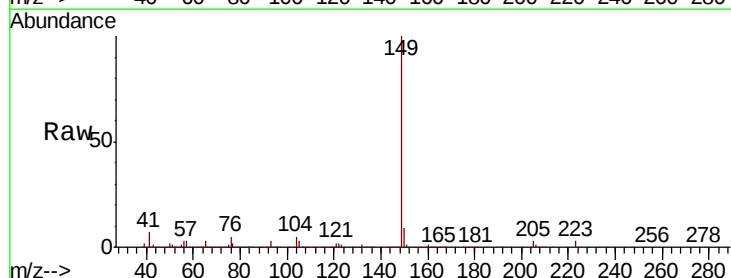
RT: 11.93 min Scan# 1673

Delta R.T. -0.01 min

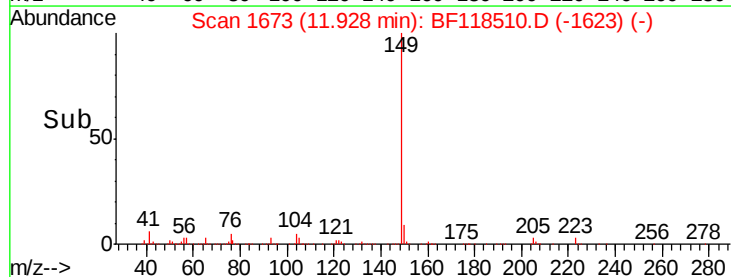
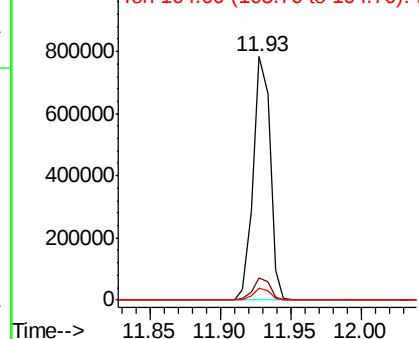
Lab File: BF118510.D

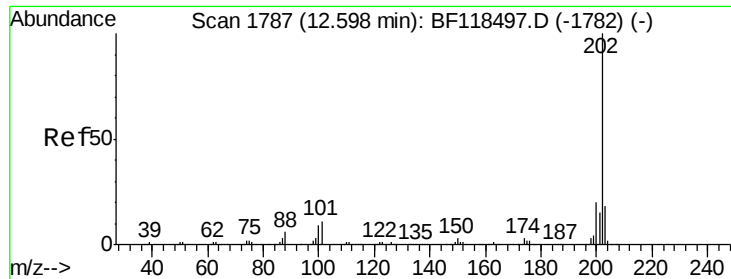
Acq: 8 Jan 2020 20:45

Tgt Ion:	149	Resp:	663458
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.8
104	5.2	4.2	6.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 55.082 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

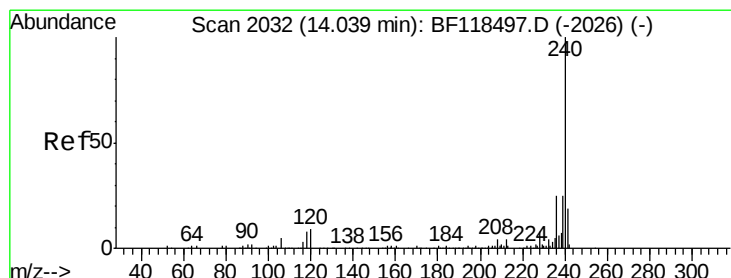
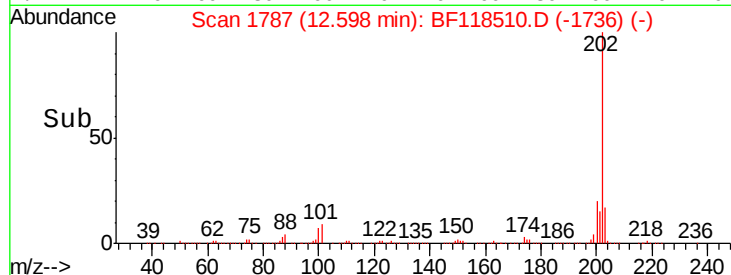
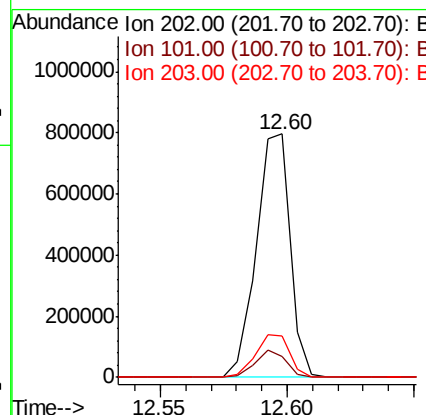
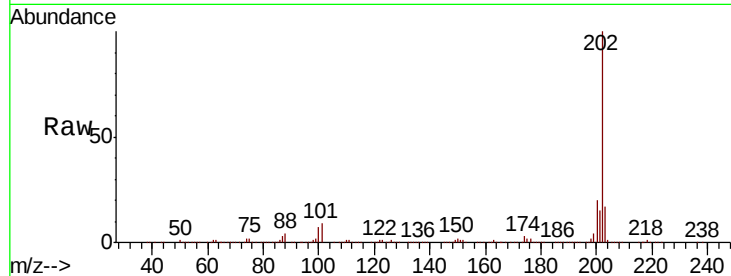
ClientSampled :

TP-4MS

Tot Ion:	202	Resp:	744244
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	31.4
203	17.2	0.0	38.1

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#76

Chrysene-d12

Concen: 20.000 ng

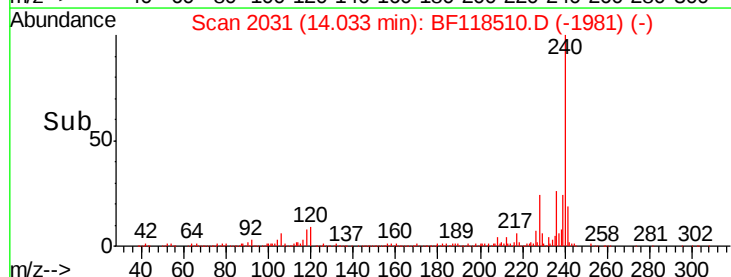
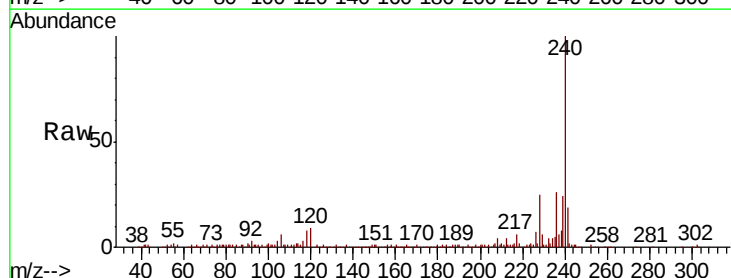
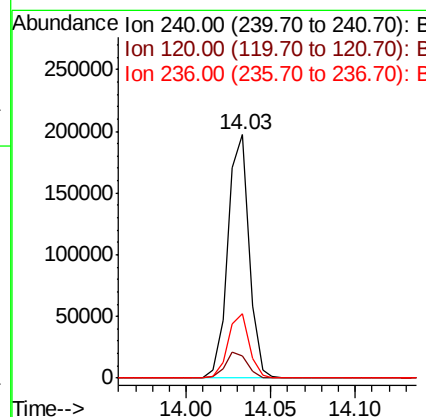
RT: 14.03 min Scan# 2031

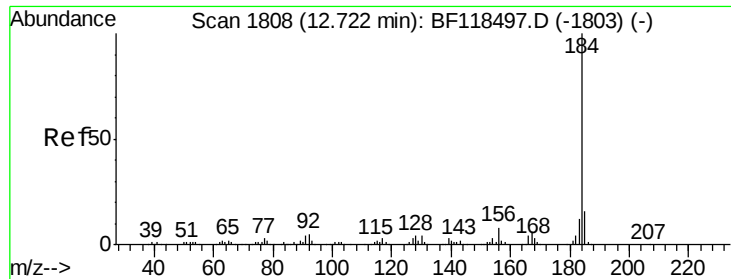
Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	240	Resp:	172954
Ion Ratio	Lower	Upper	
240	100		
120	9.1	7.0	10.6
236	26.5	20.1	30.1





#77

Benzidine

Concen: 52.669 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

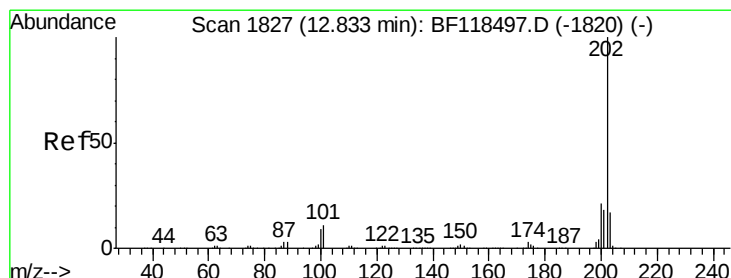
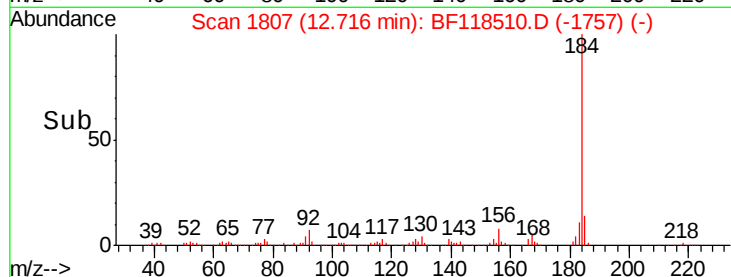
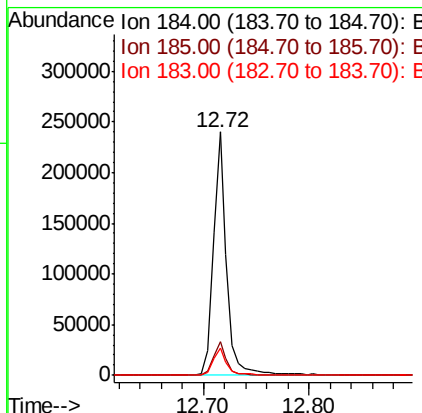
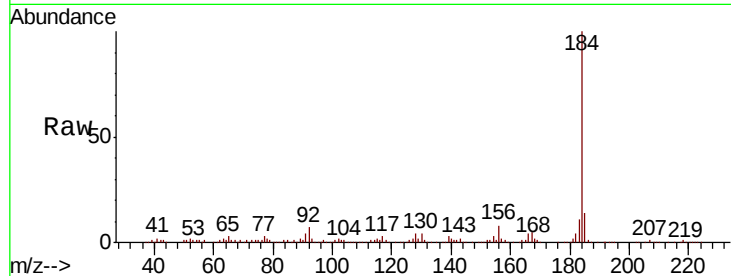
ClientSampleId :

TP-4MS

Tot Ion:	184	Resp:	212862
Ion Ratio	Lower	Upper	
184	100		
185	14.0	12.6	18.8
183	11.2	9.3	13.9

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#78

Pyrene

Concen: 50.299 ng

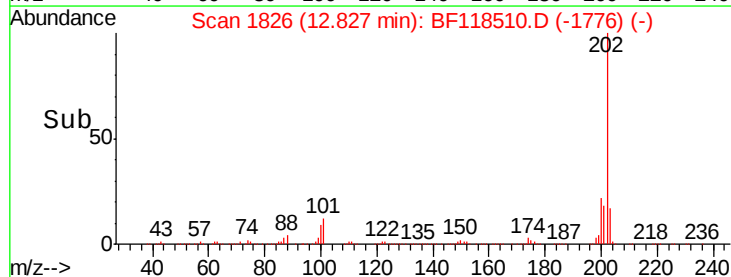
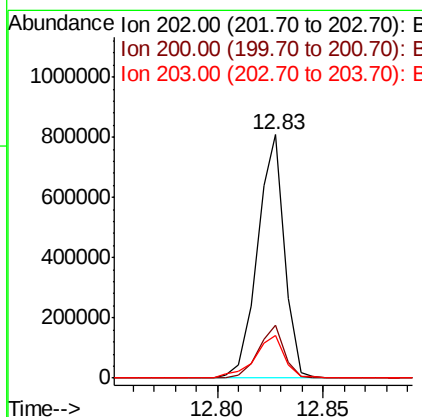
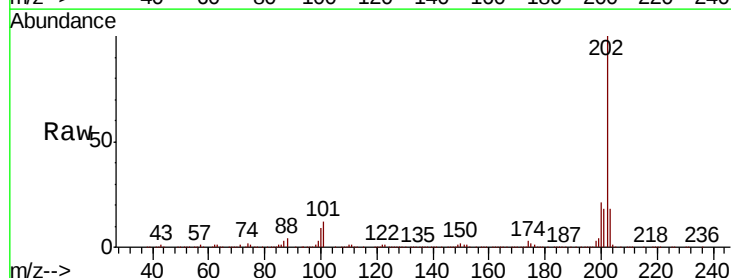
RT: 12.83 min Scan# 1826

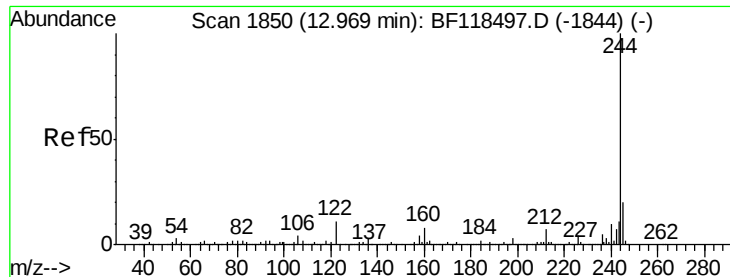
Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	202	Resp:	715746
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.9	25.3
203	17.5	13.9	20.9





#79

Terphenyl-d14

Concen: 53.355 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

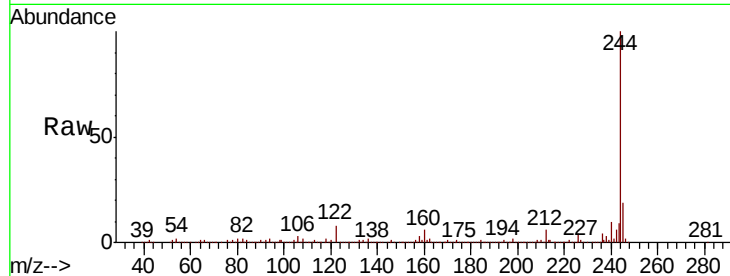
ClientSampleId :

TP-4MS

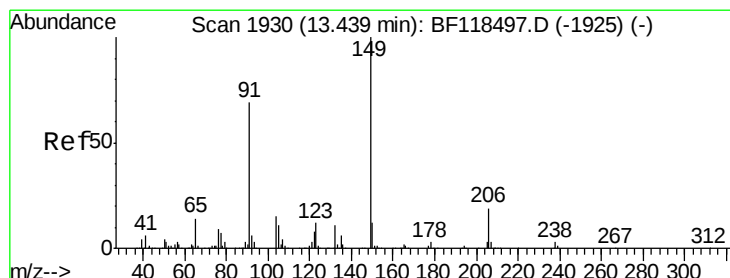
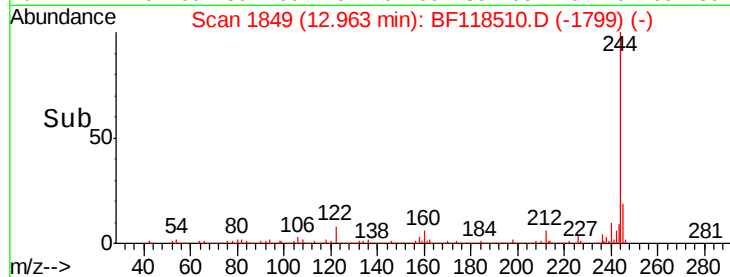
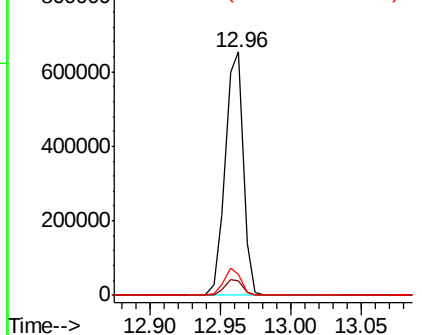
Tot Ion:	244	Resp:	582318
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.6	8.4
122	8.3	9.0	13.6

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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: 36.185 ng

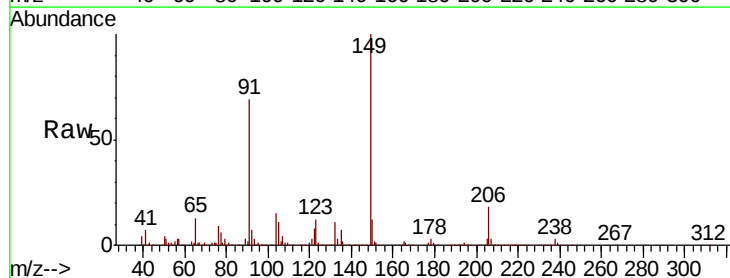
RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

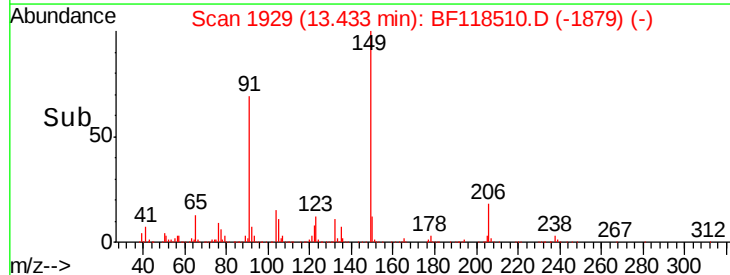
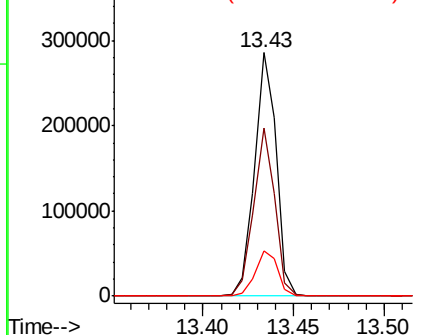
Lab File: BF118510.D

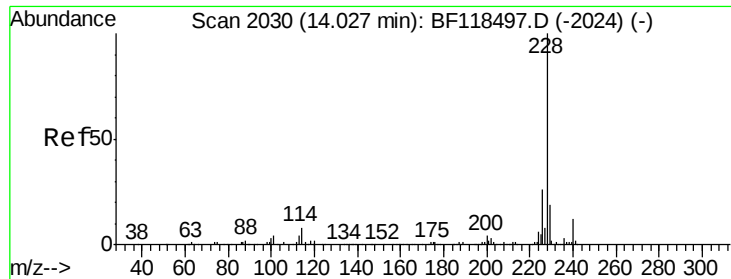
Acq: 8 Jan 2020 20:45

Tgt Ion:	149	Resp:	235815
Ion Ratio		Lower	Upper
149	100		
91	69.1	55.2	82.8
206	18.5	15.1	22.7



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: 48.807 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

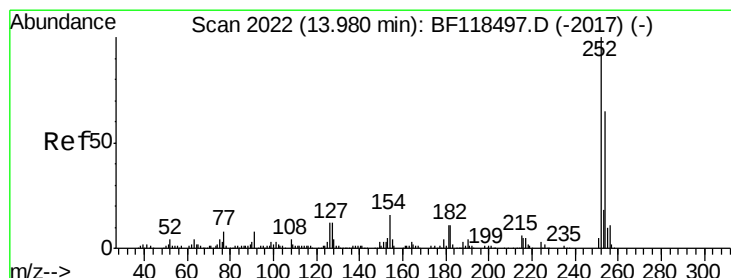
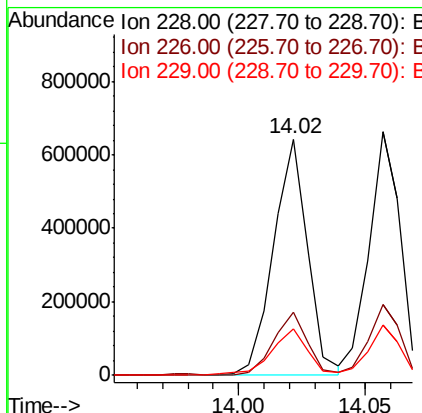
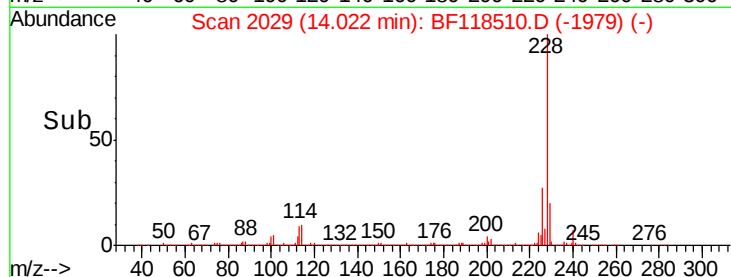
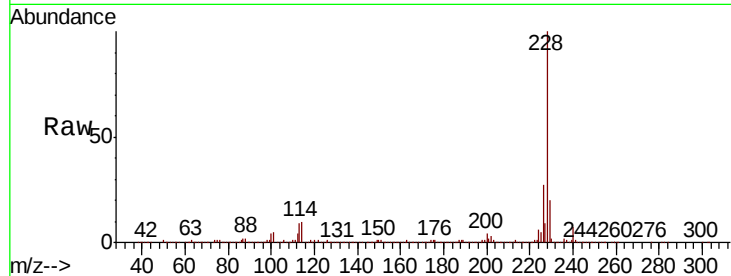
ClientSampleId :

TP-4MS

Tot Ion:	228	Resp:	590852
Ion Ratio	Lower	Upper	
228	100		
226	26.6	20.7	31.1
229	19.8	15.4	23.2

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#82

3,3'-Dichlorobenzidine

Concen: 38.929 ng

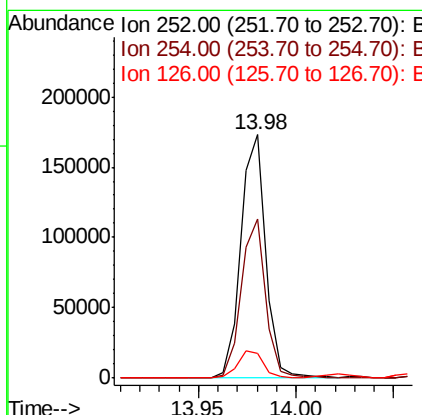
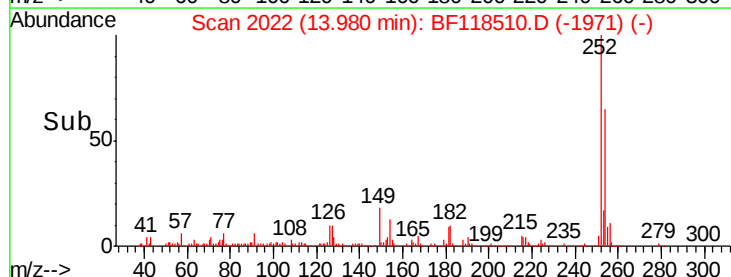
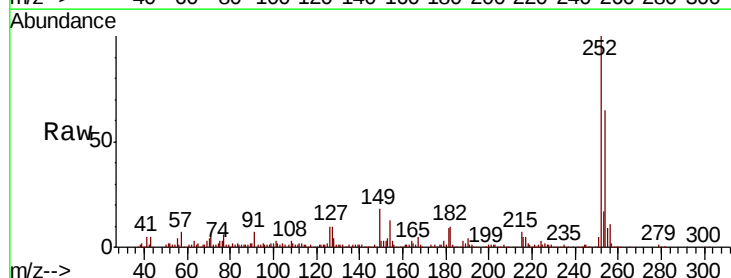
RT: 13.98 min Scan# 2022

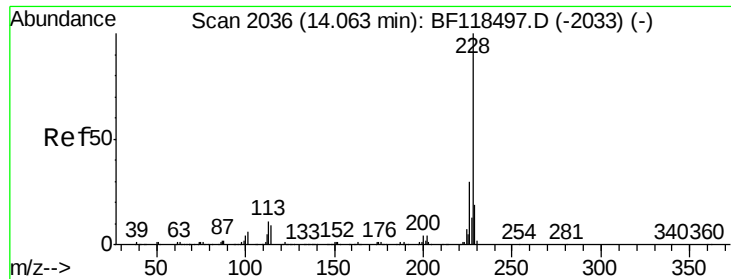
Delta R.T. 0.00 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	252	Resp:	153253
Ion Ratio	Lower	Upper	
252	100		
254	65.5	52.1	78.1
126	10.3	9.6	14.4





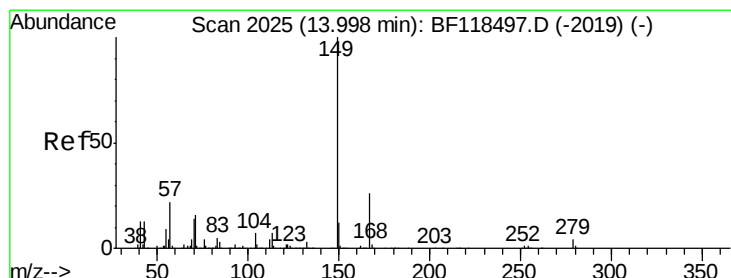
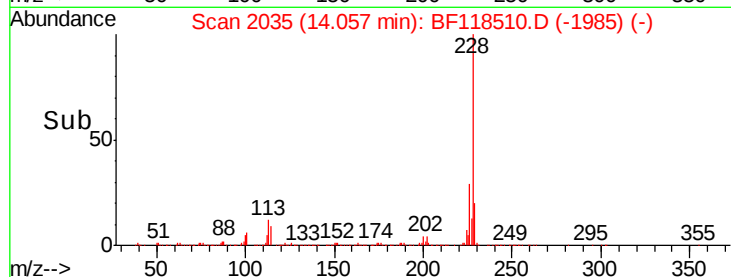
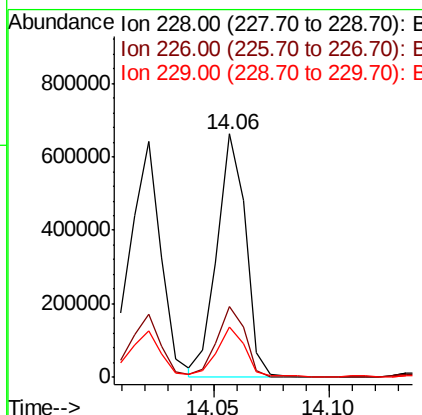
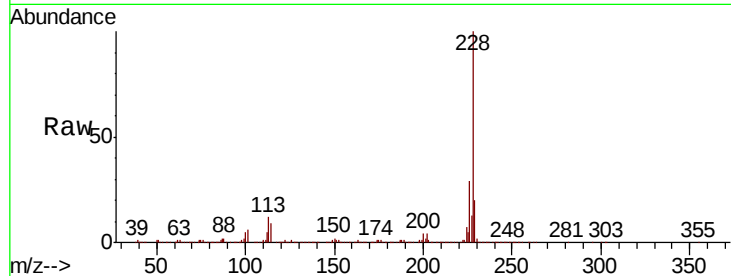
#83
Chrysene
Concen: 48.003 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	20.5	15.6	23.4

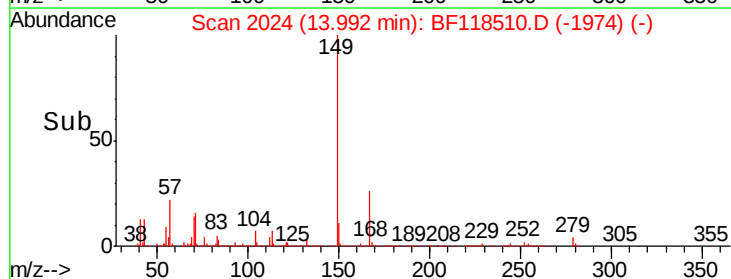
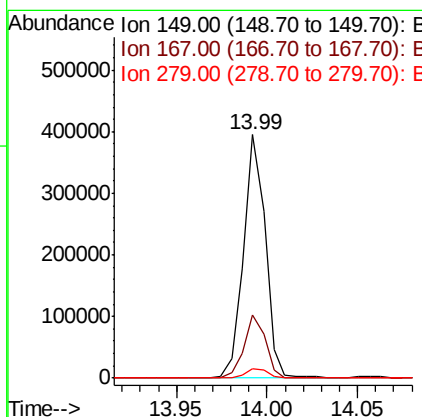
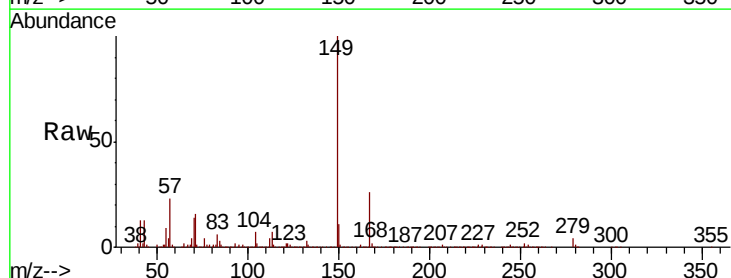
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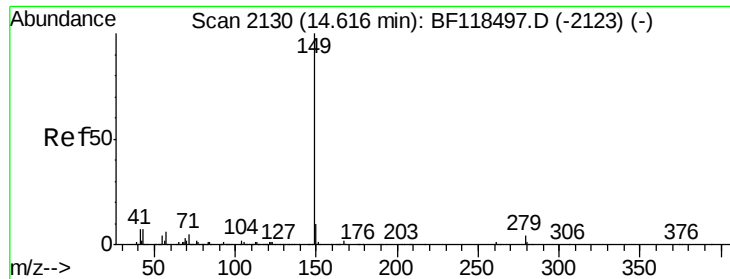
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#84
Bis(2-ethylhexyl)phthalate
Concen: 37.062 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.6	30.8
279	3.8	3.1	4.7





#85

Di-n-octyl phthalate

Concen: 42.429 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Instrument :

BNA_F

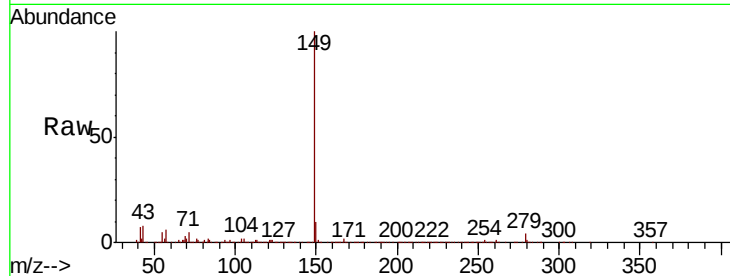
ClientSampleId :

TP-4MS

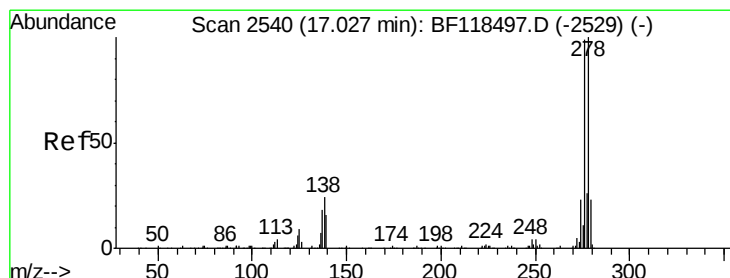
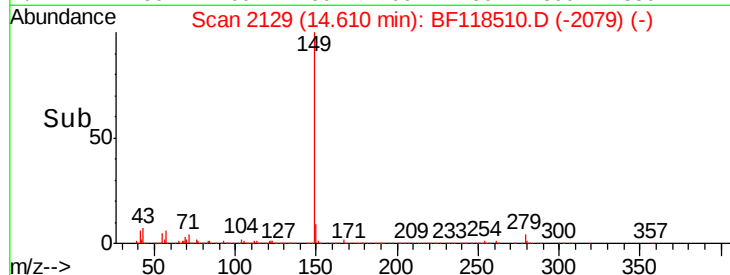
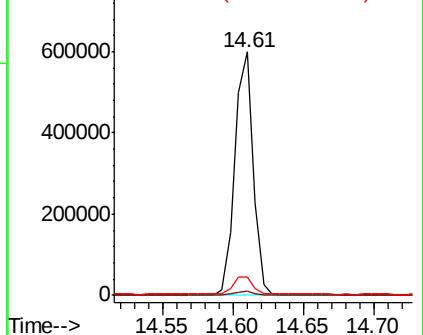
Tot Ion:	149	Resp:	538498
Ion Ratio		Lower	Upper
149	100		
167	1.8	1.2	1.8#
43	7.8	6.4	9.6

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Abundance Ion 149.00 (148.70 to 149.70): E
800000 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: 51.000 ng

RT: 17.03 min Scan# 2540

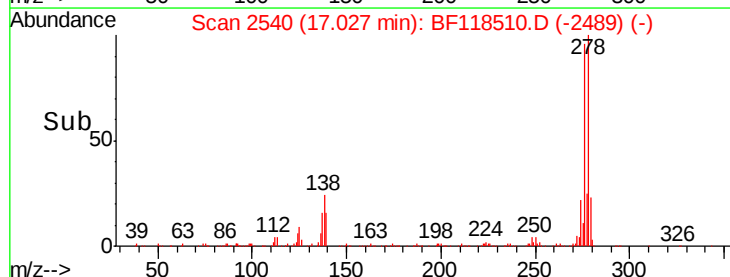
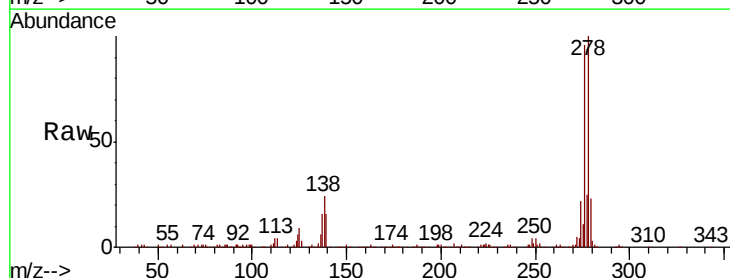
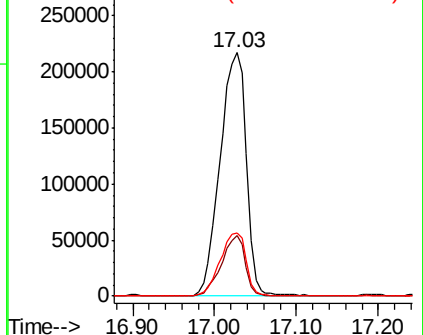
Delta R.T. 0.00 min

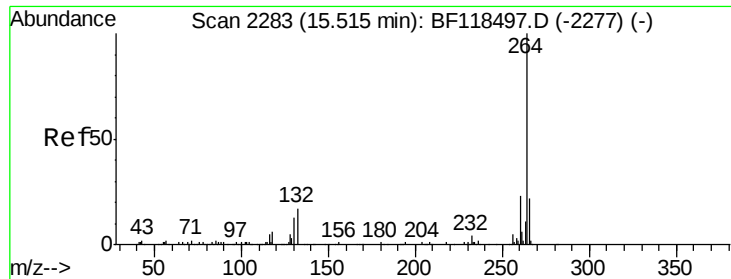
Lab File: BF118510.D

Acq: 8 Jan 2020 20:45

Tgt Ion:	276	Resp:	483020
Ion Ratio		Lower	Upper
276	100		
138	22.9	19.0	28.4
277	25.2	20.5	30.7

Abundance Ion 276.00 (275.70 to 276.70): E
300000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





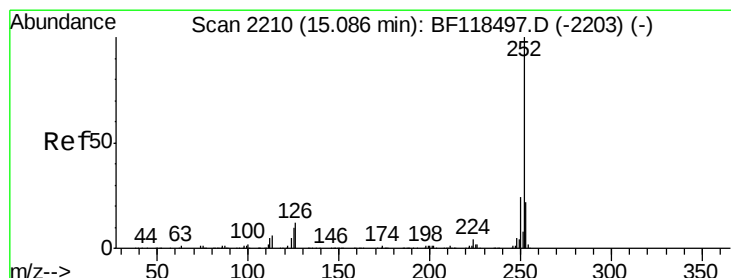
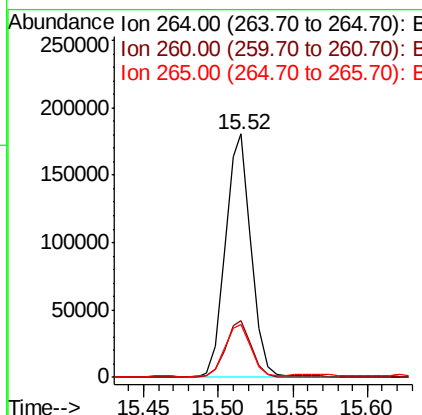
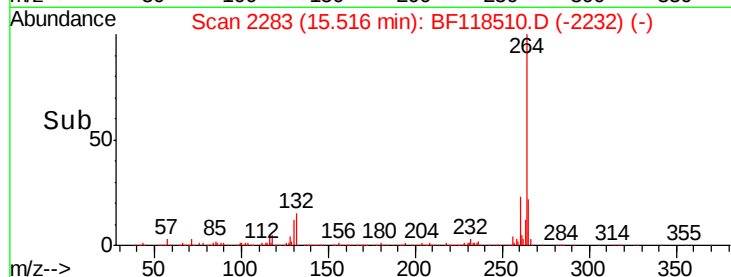
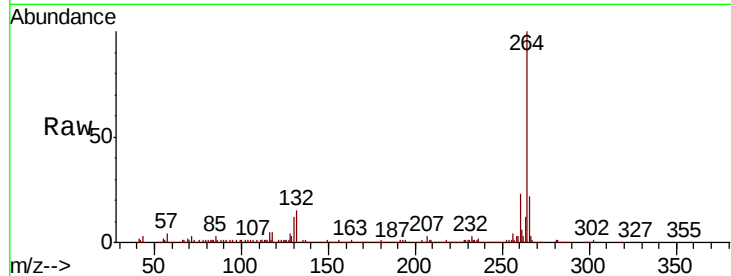
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampled :
TP-4MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.8	17.5	26.3

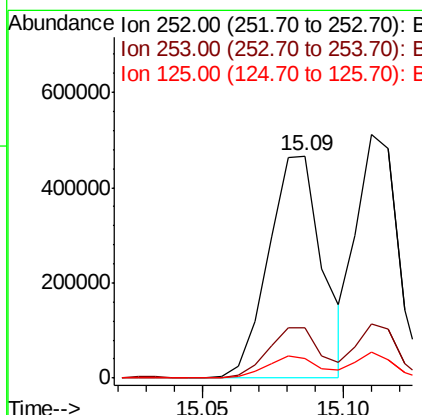
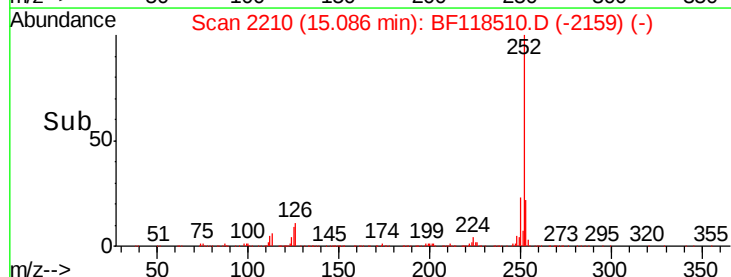
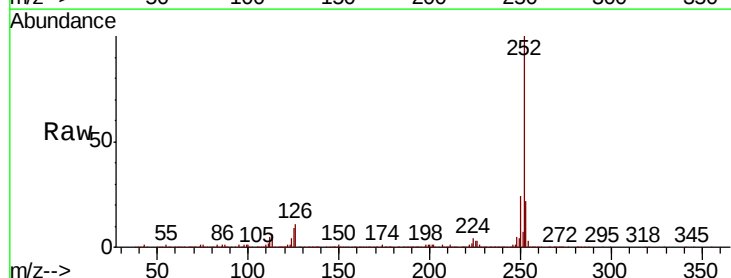
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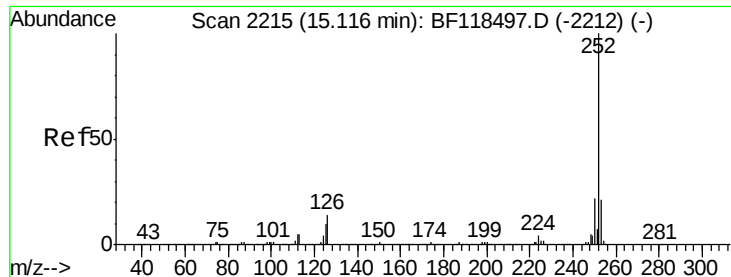
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#88
Benzo(b)fluoranthene
Concen: 39.146 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	8.7	7.8	11.6





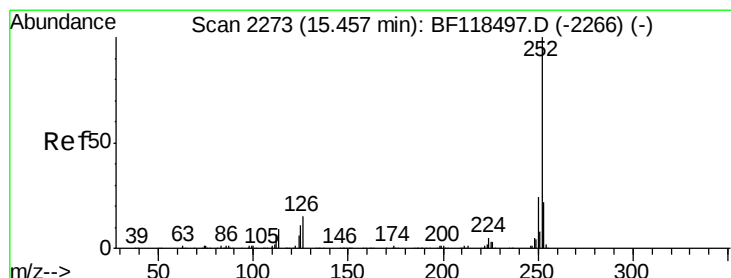
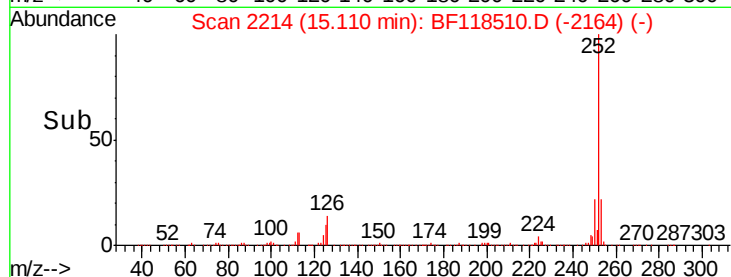
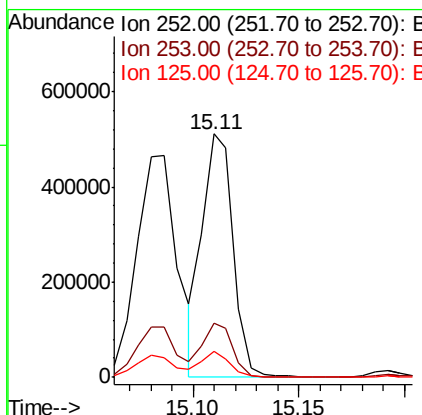
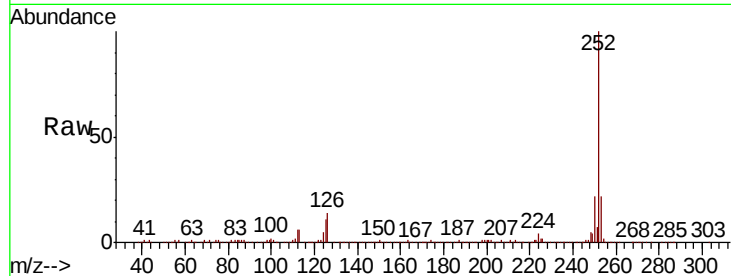
#89
Benzo(k)fluoranthene
Concen: 34.344 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	10.5	7.8	11.6

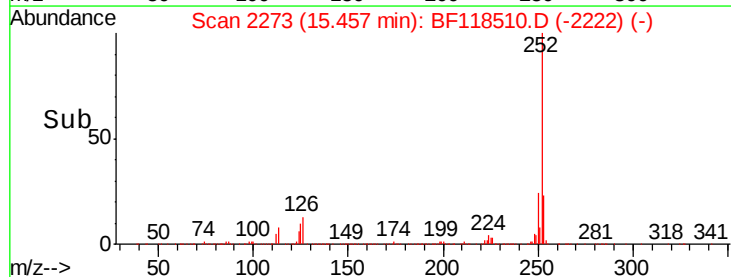
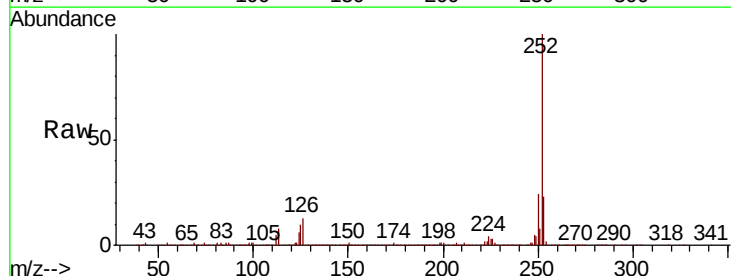
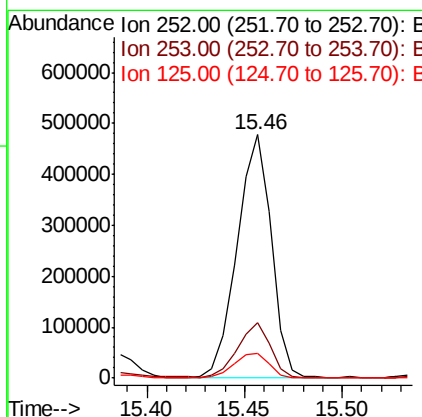
Manual Integrations
APPROVED

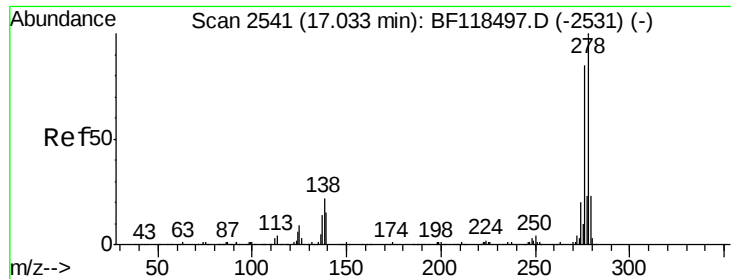
mohammad
1/9/2020 12:11:00 PM



#90
Benzo(a)pyrene
Concen: 44.482 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	10.4	9.0	13.6





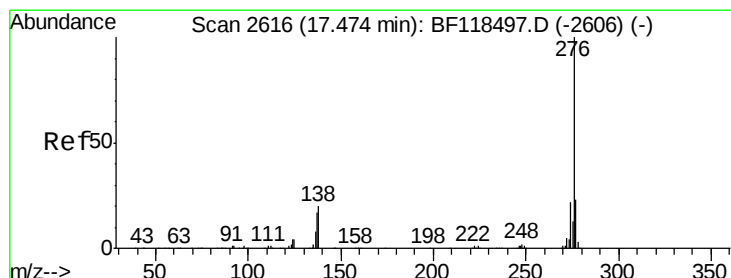
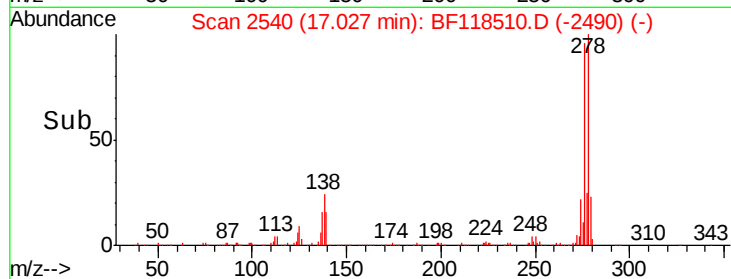
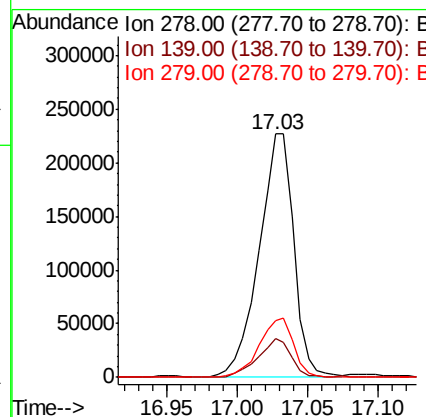
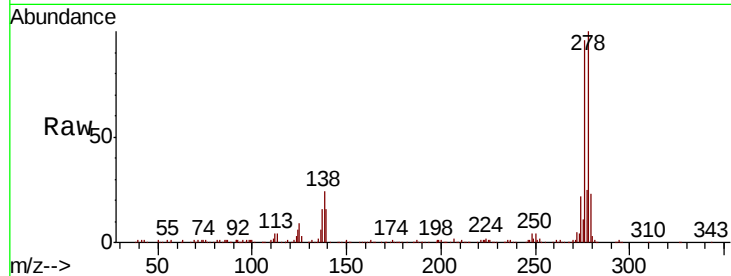
#91
Dibenzo(a,h)anthracene
Concen: 31.998 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:278	Resp:	389721
Ion Ratio	Lower	Upper
278	100	
139	16.1	11.9 17.9
279	23.4	18.6 27.8

Manual Integrations
APPROVED

mohammad
1/9/2020 12:11:00 PM



#92
Benzo(g,h,i)perylene
Concen: 35.155 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.00 min
Lab File: BF118510.D
Acq: 8 Jan 2020 20:45

Tgt Ion:276	Resp:	405704
Ion Ratio	Lower	Upper
276	100	
277	23.7	18.2 27.4
138	21.1	16.3 24.5

