

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
 Data File : BF117322.D
 Acq On : 3 Oct 2019 18:00
 Operator : JU
 Sample : K5095-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-5

Quant Time: Oct 04 06:44:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	56982	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	229986	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	130966	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	174462	20.00	ng	0.00
76) Chrysene-d12	13.97	240	90729	20.00	ng	0.00
87) Perylene-d12	15.43	264	85258	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	295999	81.10	ng	0.00
7) Phenol-d6	6.45	99	290655	61.62	ng	0.00
23) Nitrobenzene-d5	7.37	82	309626	70.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	114377	104.49	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	580918	69.35	ng	-0.01
79) Terphenyl-d14	12.91	244	520911	107.32	ng	0.00

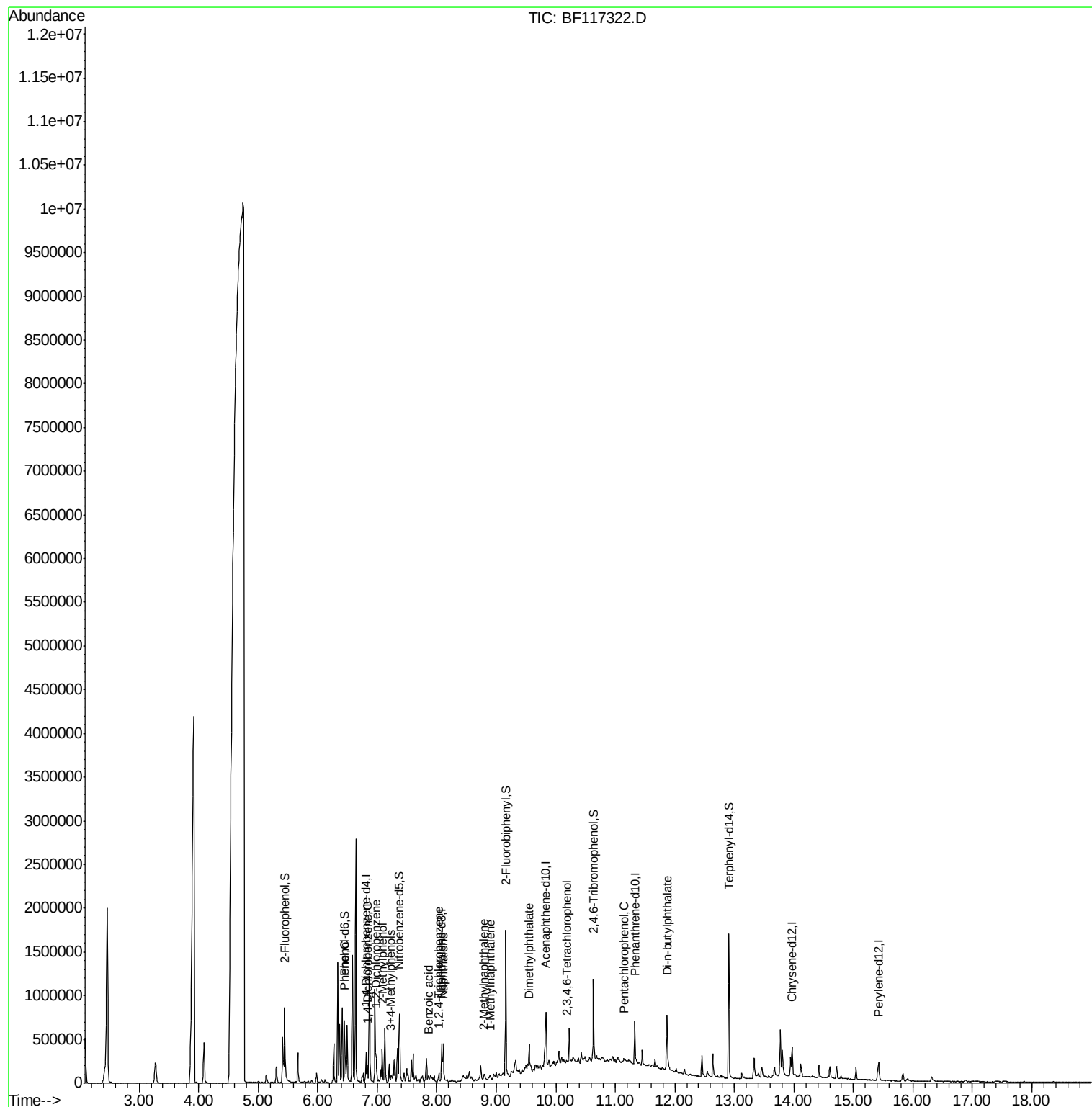
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	58160	11.185	ng	95
13) 1,4-Dichlorobenzene	6.83	146	13089	2.903	ng	100
14) 1,2-Dichlorobenzene	6.98	146	24866	5.923	ng	97
17) 2-Methylphenol	7.07	107	19619	5.945	ng	# 69
20) 3+4-Methylphenols	7.23	107	46930	11.418	ng	# 48
30) 1,2,4-Trichlorobenzene	8.03	180	18213	5.464	ng	96
31) Naphthalene	8.11	128	144435	13.058	ng	99
32) Benzoic acid	7.87	122	14914	12.380	ng	89
37) 2-Methylnaphthalene	8.80	142	23370	3.138	ng	97
38) 1-Methylnaphthalene	8.90	142	14223m	2.039	ng	
50) Dimethylphthalate	9.55	163	109161	11.772	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	3991	2.127	ng	# 57
70) Pentachlorophenol	11.15	266	3861	4.227	ng	# 70
74) Di-n-butylphthalate	11.88	149	46815	4.097	ng	97

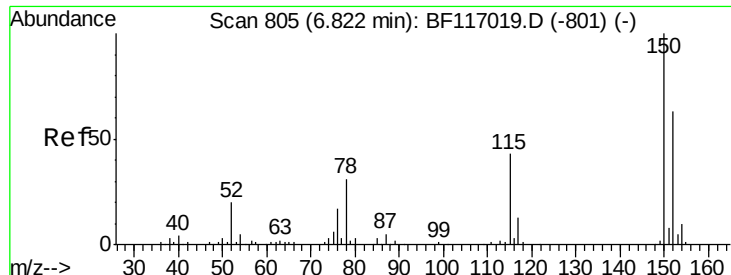
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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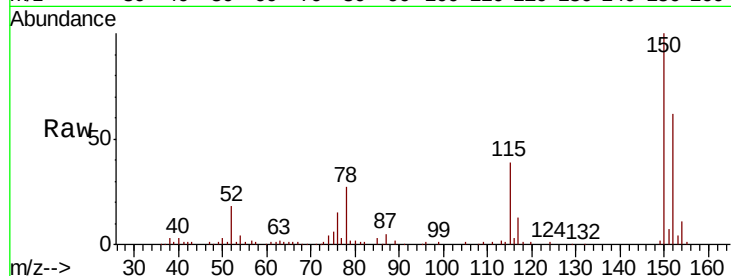


#1

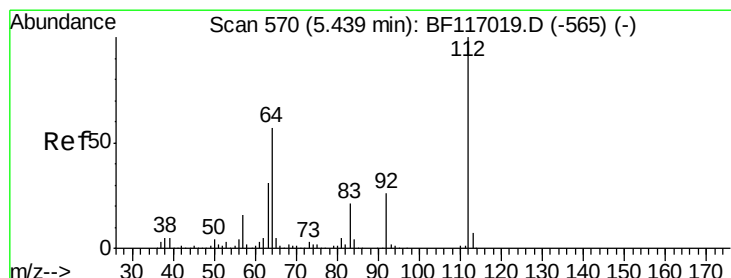
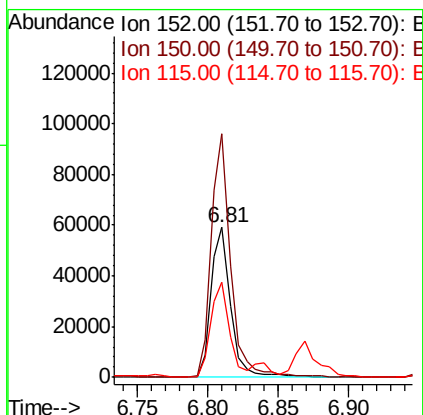
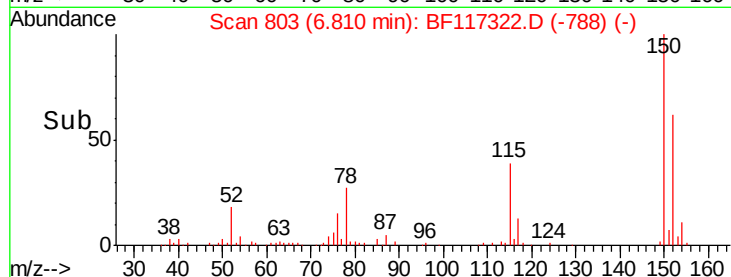
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-5

Tot Ion:152 Resp: 56982
Ion Ratio Lower Upper
152 100
150 162.3 127.5 191.3
115 63.2 55.0 82.4



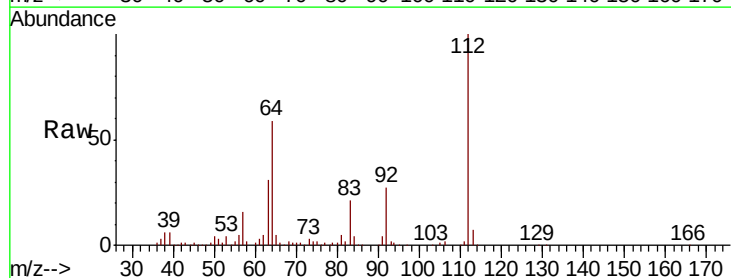
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



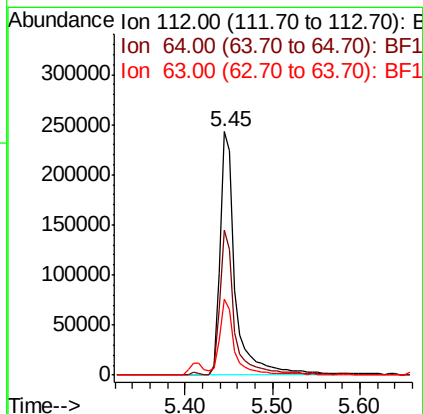
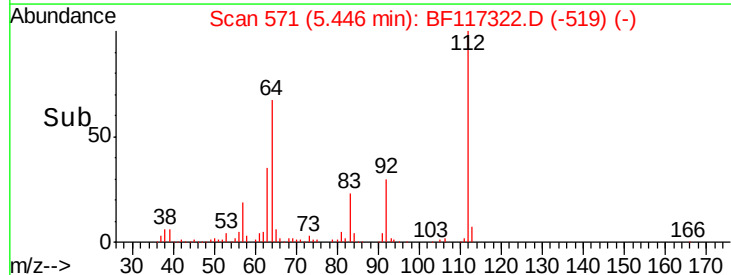
#5

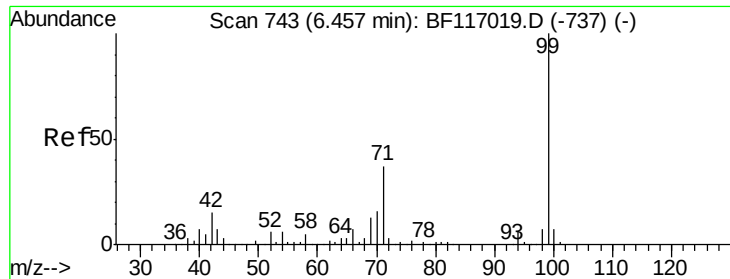
2-Fluorophenol
Concen: 81.101 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:112 Resp: 295999
Ion Ratio Lower Upper
112 100
64 59.4 45.7 68.5
63 31.0 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 61.621 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-5

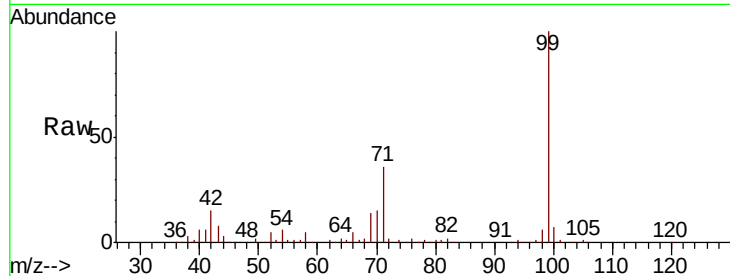
Tot Ion: 99 Resp: 290655

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

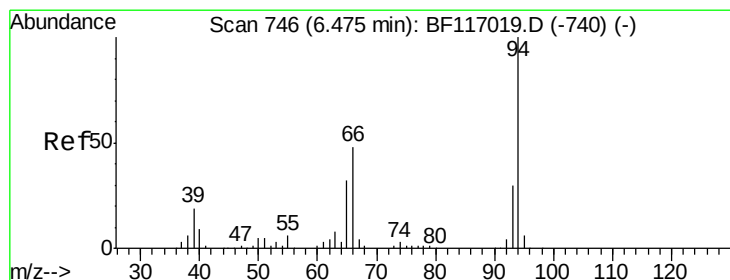
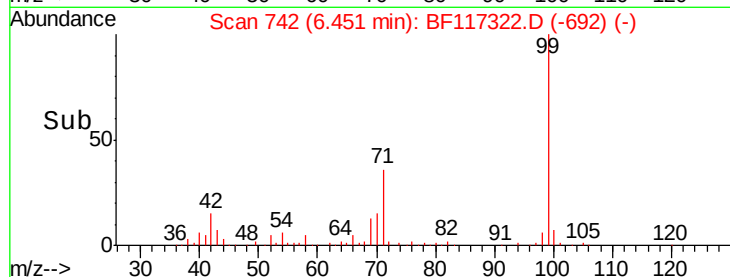
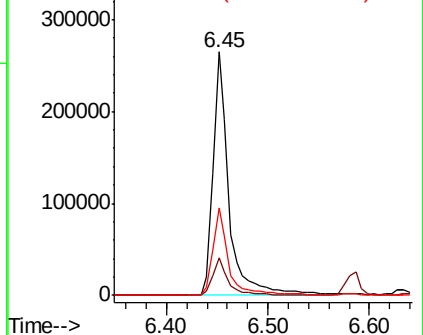
71 35.9 29.8 44.8



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



#10

Phenol

Concen: 11.185 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

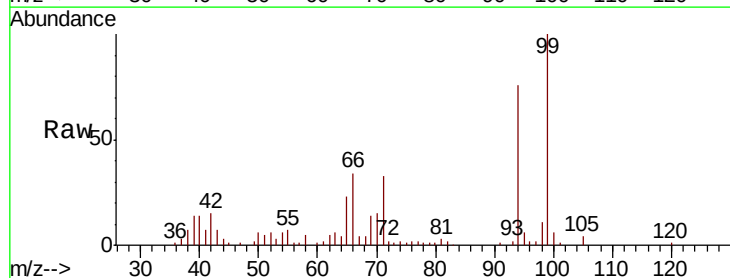
Tgt Ion: 94 Resp: 58160

Ion Ratio Lower Upper

94 100

65 30.7 12.5 52.5

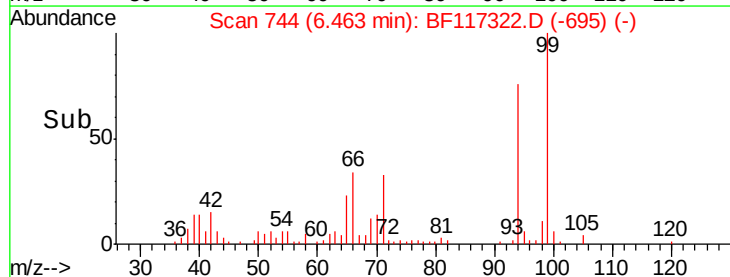
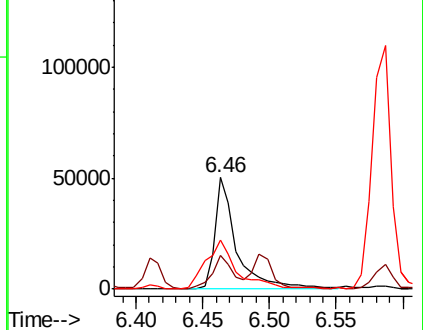
66 44.4 28.9 68.9

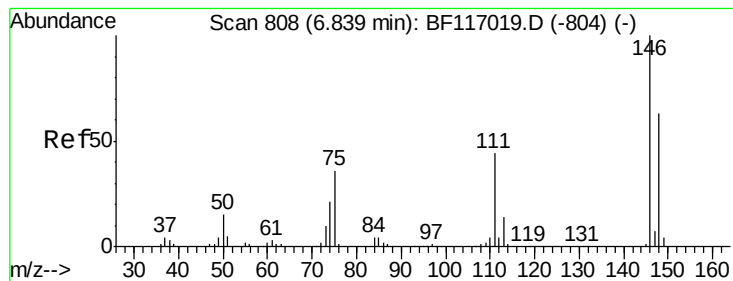


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#13

1,4-Dichlorobenzene

Concen: 2.903 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-5

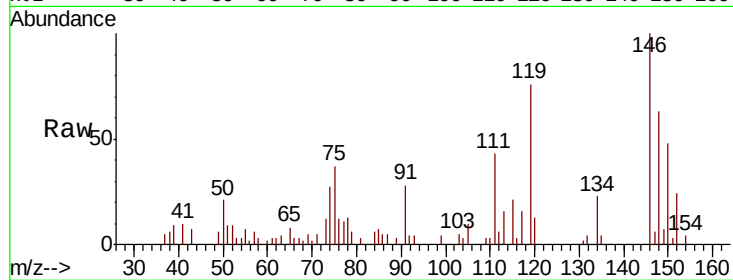
Tot Ion:146 Resp: 13089

Ion Ratio Lower Upper

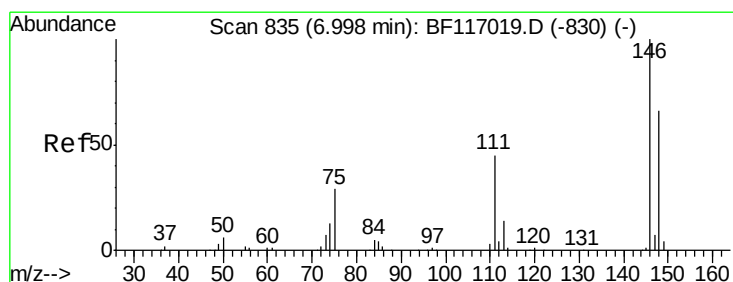
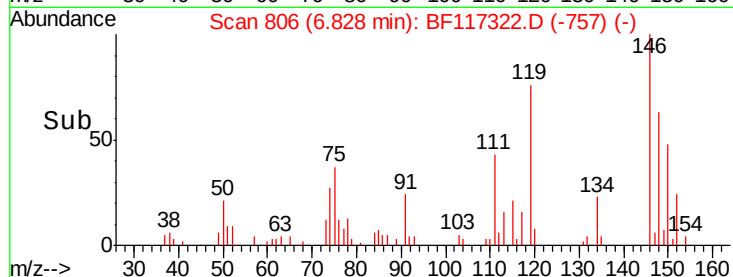
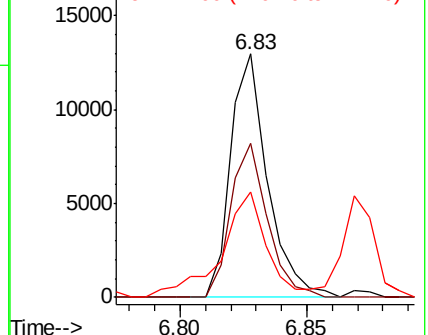
146 100

148 63.2 50.6 76.0

111 43.5 35.0 52.6



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: 5.923 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

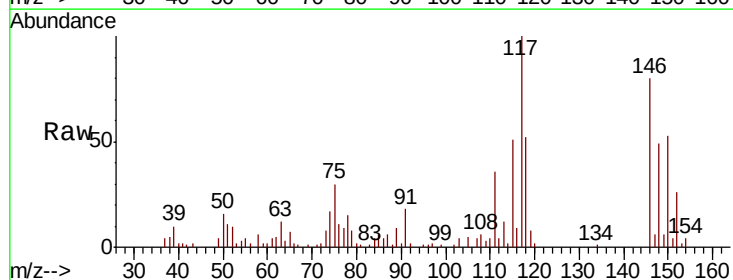
Tgt Ion:146 Resp: 24866

Ion Ratio Lower Upper

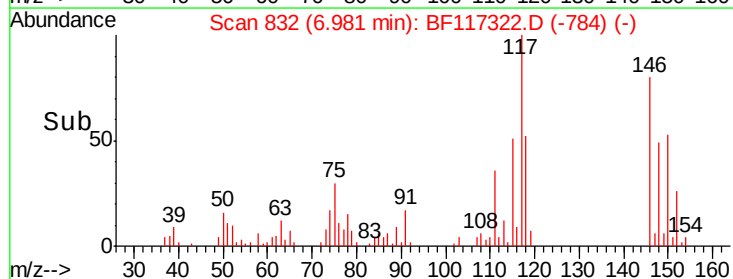
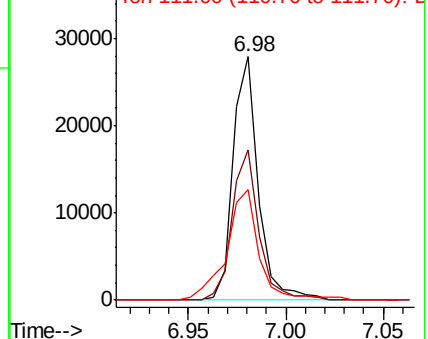
146 100

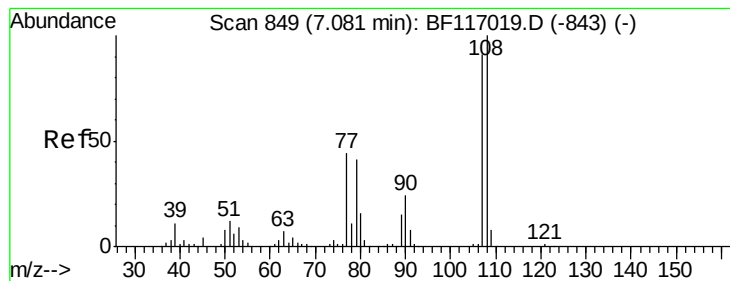
148 61.8 52.6 78.8

111 45.2 36.2 54.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

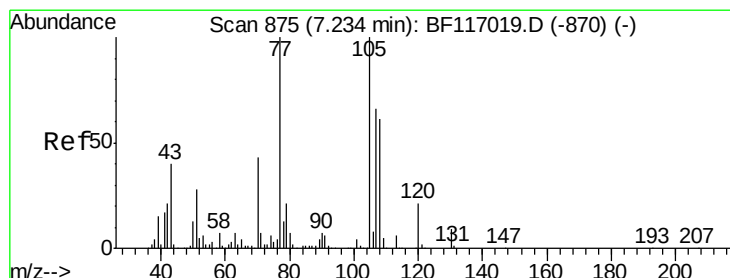
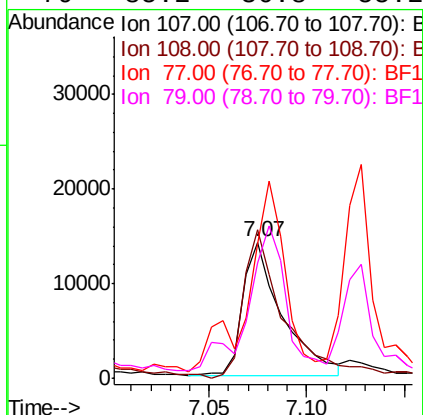
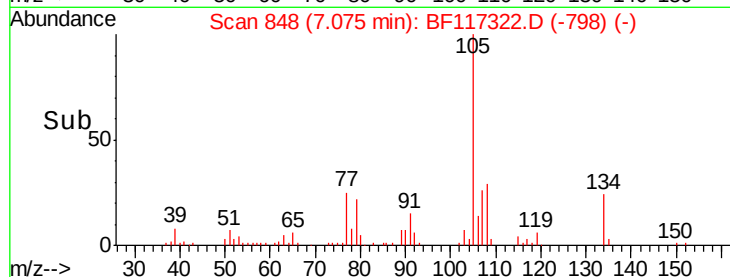
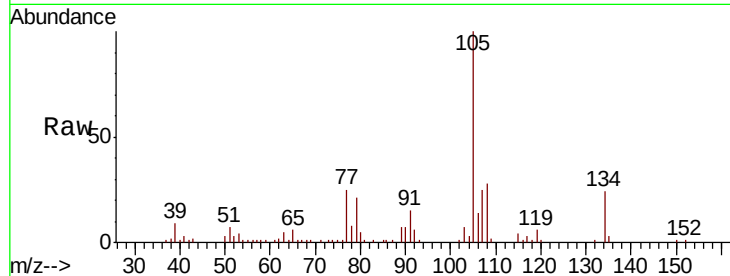




#17
2-Methylphenol
Concen: 5.945 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

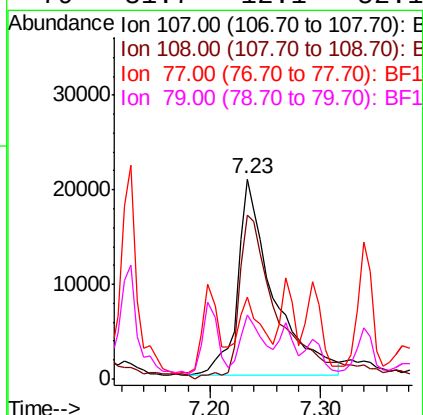
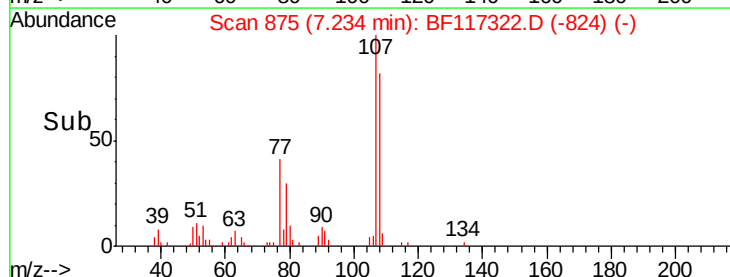
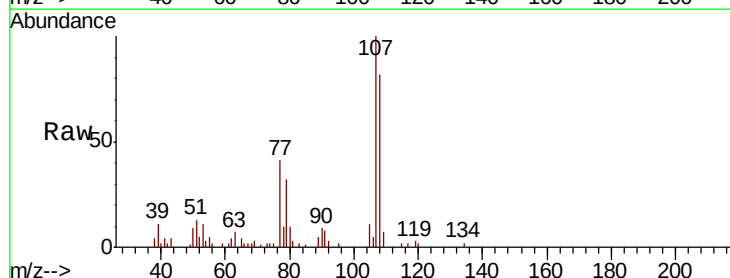
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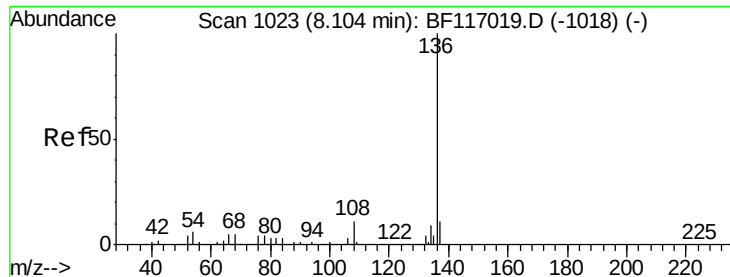
Tot Ion:107 Resp: 19619
Ion Ratio Lower Upper
107 100
108 109.1 87.7 131.5
77 99.1 38.6 58.0#
79 85.2 36.8 55.2#



#20
3+4-Methylphenols
Concen: 11.418 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:107 Resp: 46930
Ion Ratio Lower Upper
107 100
108 82.0 72.6 112.6
77 40.9 132.1 172.1#
79 31.7 12.1 52.1

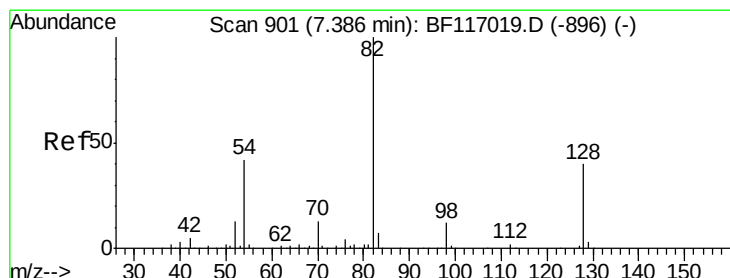
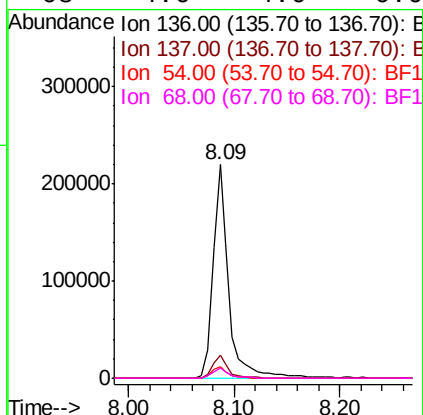
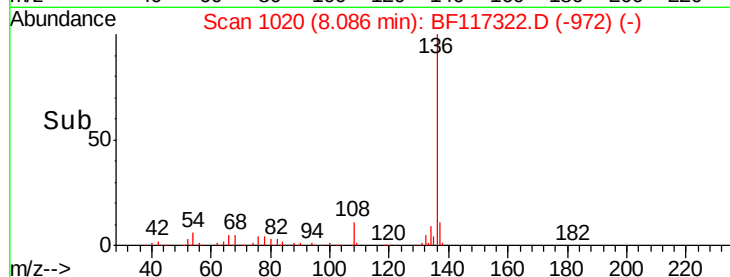
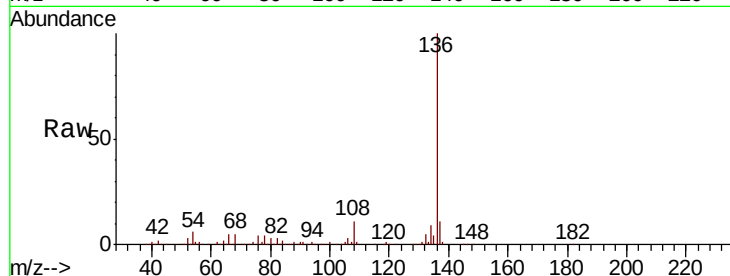




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

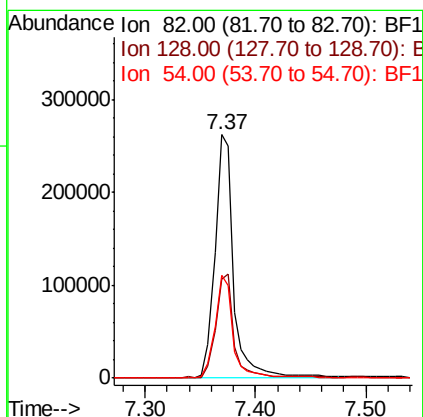
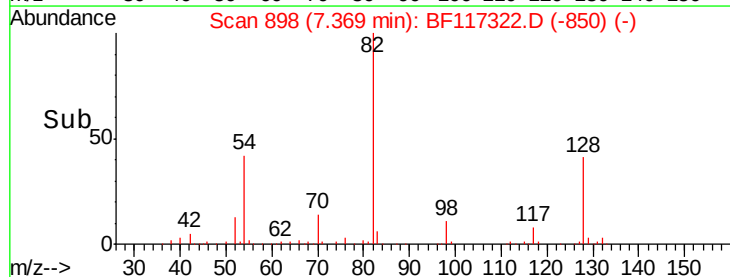
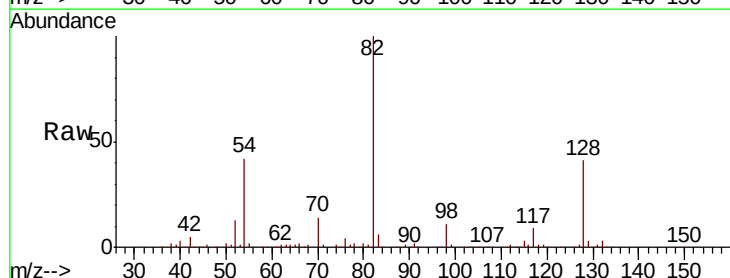
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-5

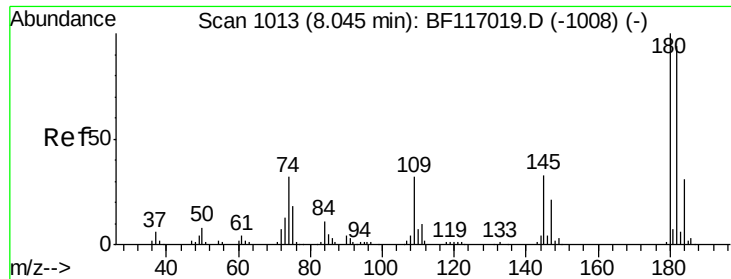
Tot Ion:136	Resp:	229986
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.4
54	5.6	4.5 6.7
68	4.6	4.0 6.0



#23
Nitrobenzene-d5
Concen: 70.737 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion: 82	Resp:	309626
Ion Ratio	Lower	Upper
82	100	
128	40.8	32.3 48.5
54	42.4	33.3 49.9

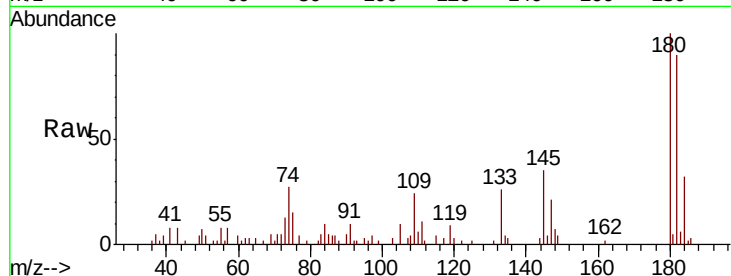




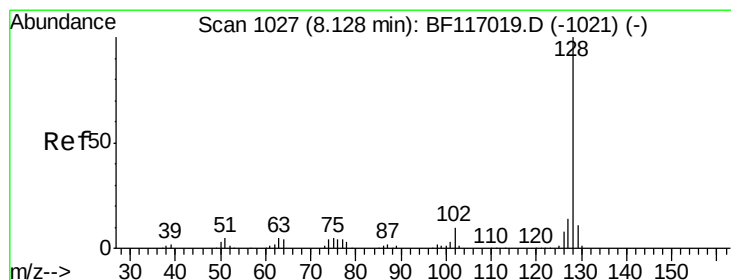
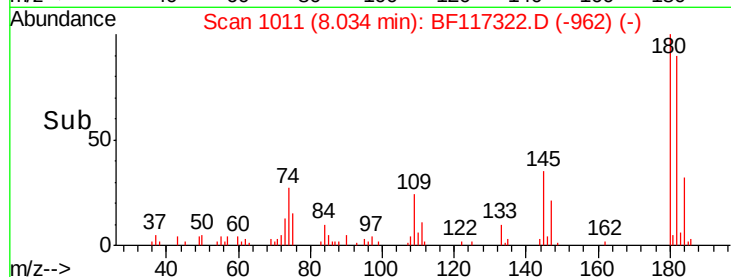
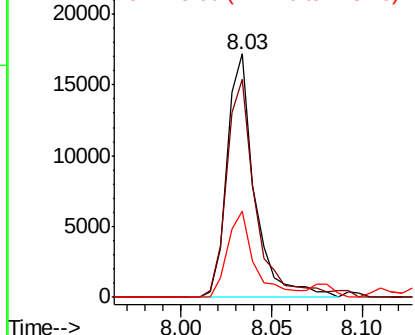
#30
 1,2,4-Trichlorobenzene
 Concen: 5.464 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF117322.D
 Acq: 3 Oct 2019 18:00

Instrument :
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 COMPOSITE-5

Tot Ion:180 Resp: 18213
 Ion Ratio Lower Upper
 180 100
 182 89.7 75.4 113.0
 145 35.1 26.7 40.1

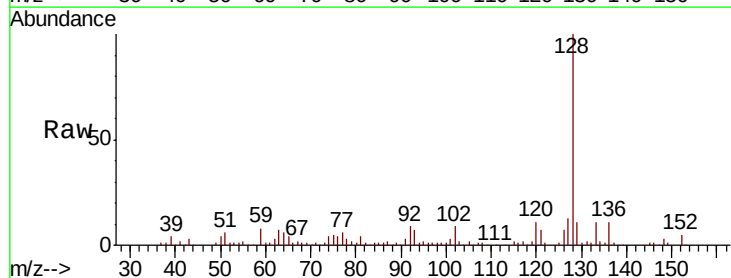


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

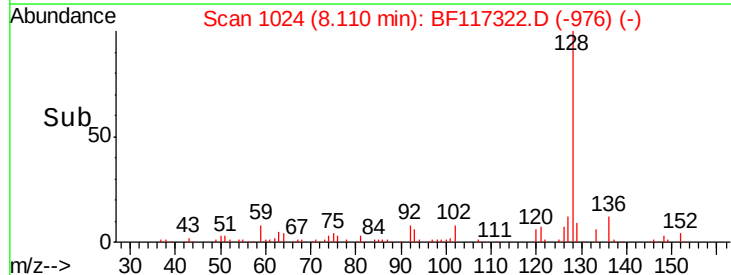
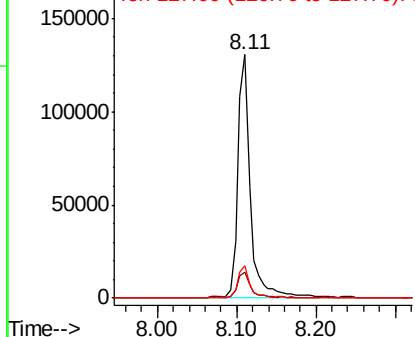


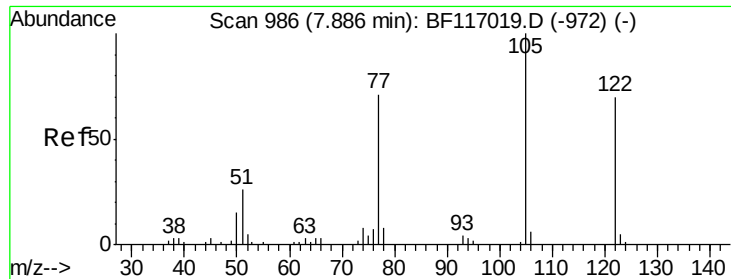
#31
 Naphthalene
 Concen: 13.058 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BF117322.D
 Acq: 3 Oct 2019 18:00

Tgt Ion:128 Resp: 144435
 Ion Ratio Lower Upper
 128 100
 129 10.5 9.0 13.4
 127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

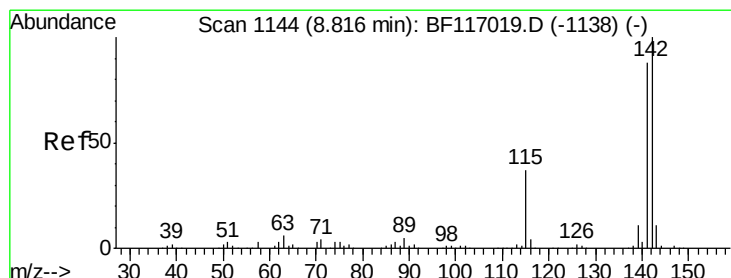
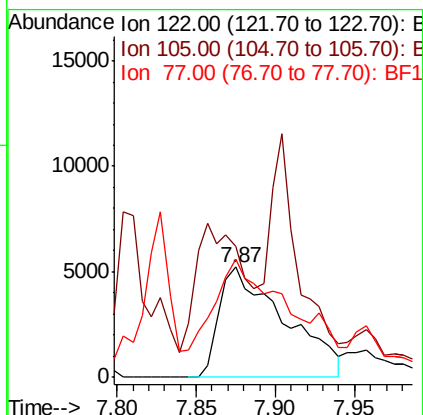
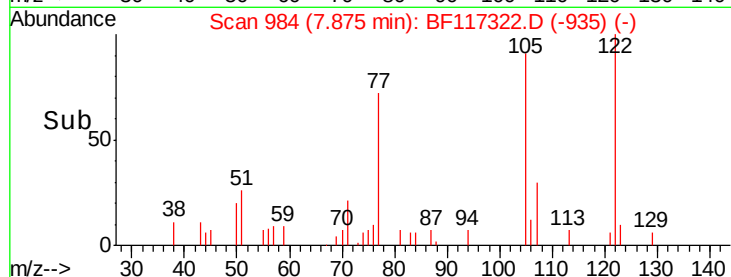
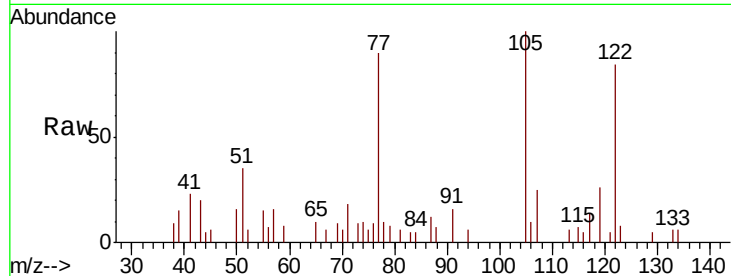




#32
Benzoic acid
Concen: 12.380 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

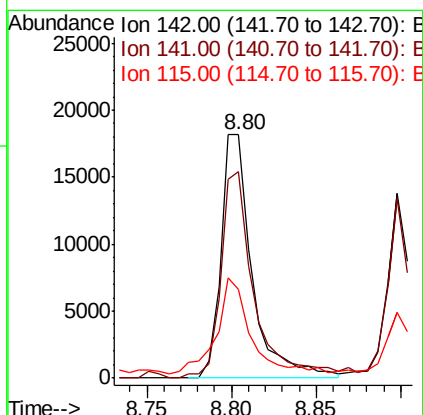
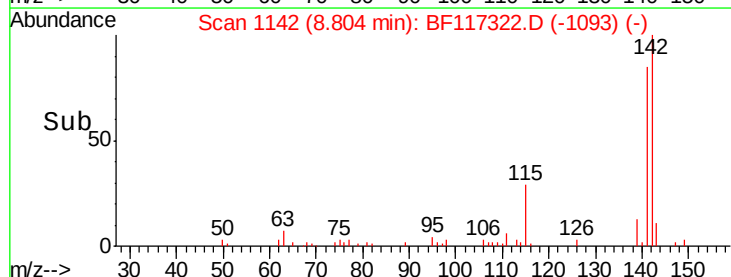
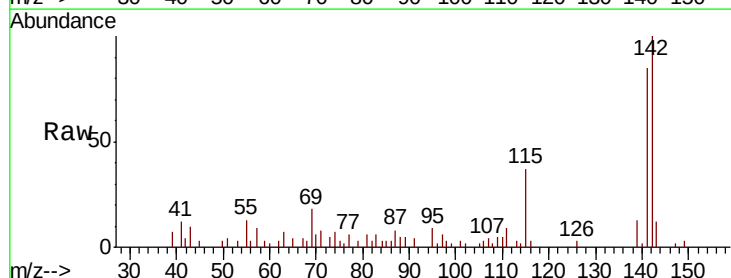
Instrument :
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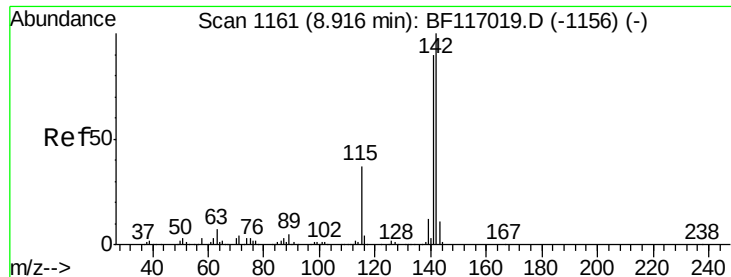
Tot Ion:122 Resp: 14914
Ion Ratio Lower Upper
122 100
105 119.3 114.8 154.8
77 107.2 78.7 118.7



#37
2-Methylnaphthalene
Concen: 3.138 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:142 Resp: 23370
Ion Ratio Lower Upper
142 100
141 84.6 70.7 106.1
115 36.7 29.4 44.0

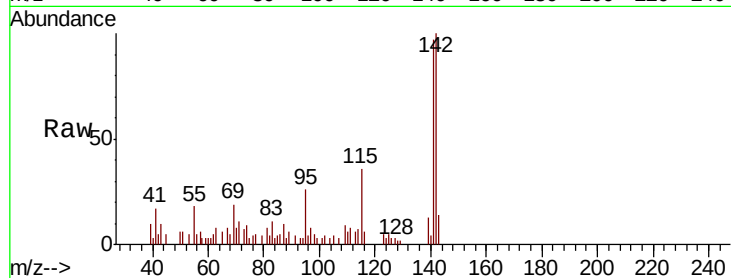




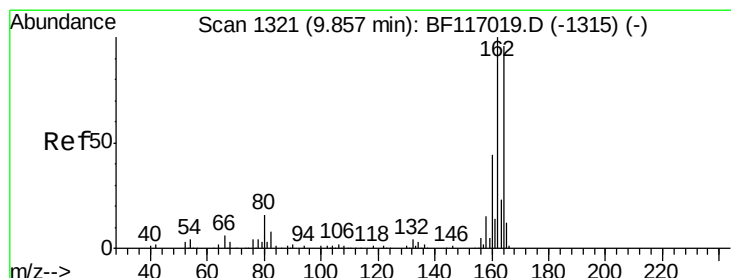
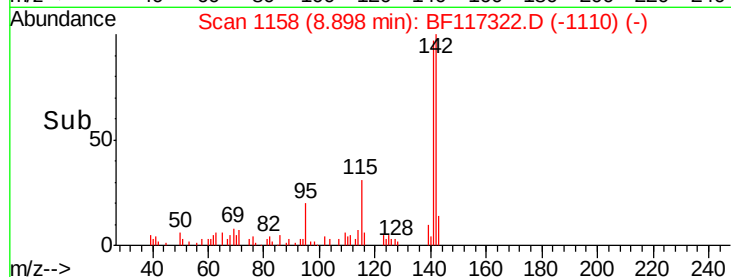
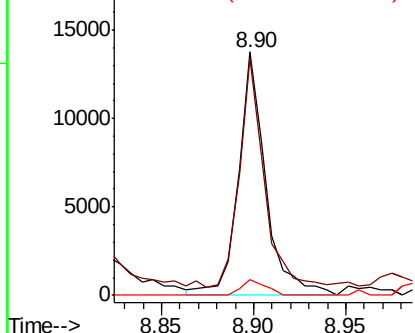
#38
1-Methylnaphthalene
Concen: 2.039 ng m
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-5

Tot Ion:142 Resp: 14223
Ion Ratio Lower Upper
142 100
141 97.2 71.9 107.9
116 6.3 3.2 4.8#

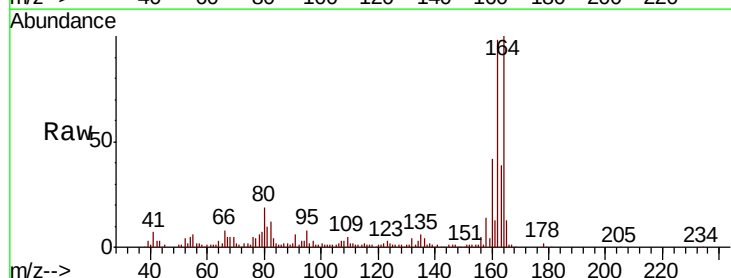


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

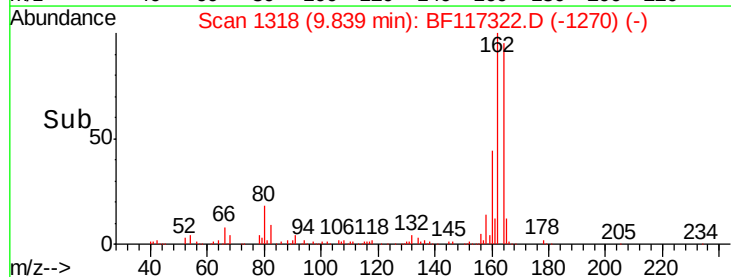
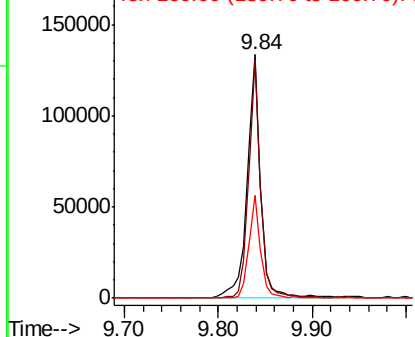


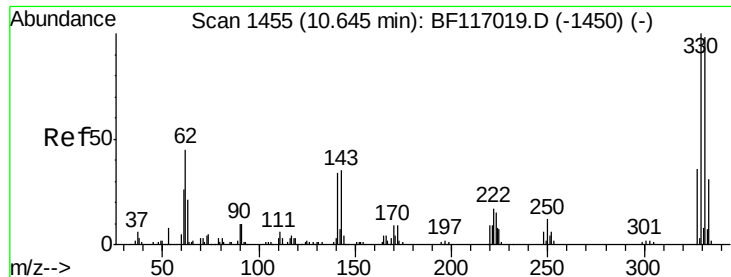
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:164 Resp: 130966
Ion Ratio Lower Upper
164 100
162 97.8 83.4 125.2
160 42.5 36.4 54.6



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





#42

2,4,6-Tribromophenol

Concen: 104.494 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-5

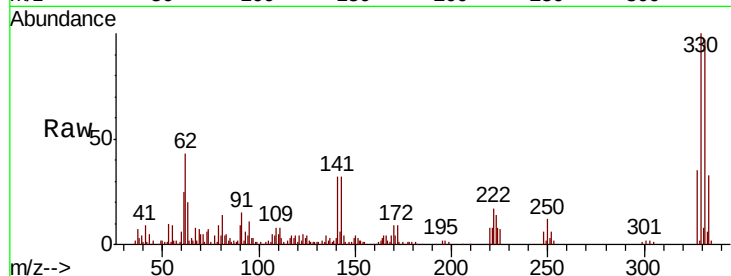
Tot Ion:330 Resp: 114377

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

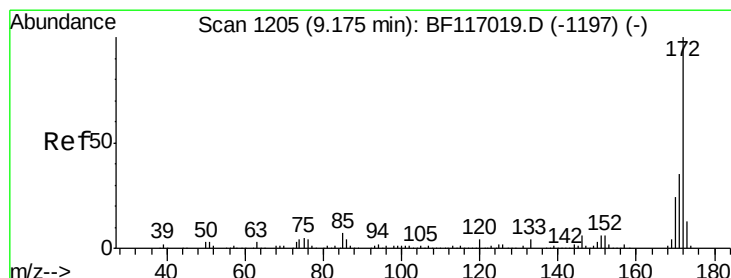
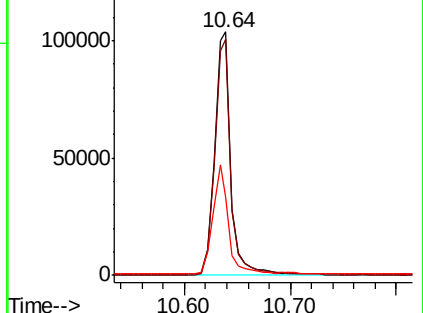
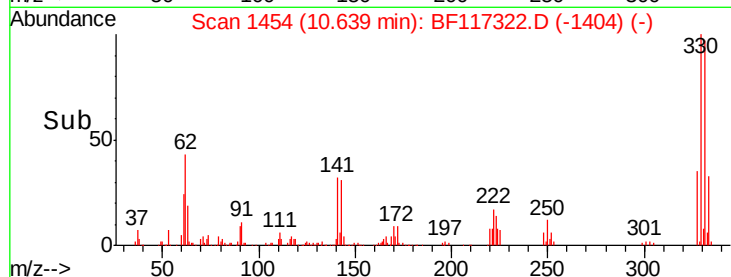
141 42.5 35.8 53.6



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



#45

2-Fluorobiphenyl

Concen: 69.355 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

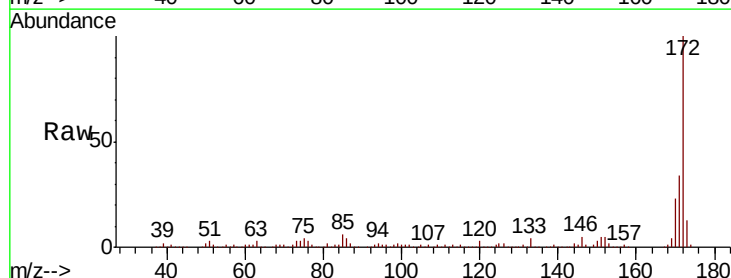
Tgt Ion:172 Resp: 580918

Ion Ratio Lower Upper

172 100

171 34.0 28.2 42.2

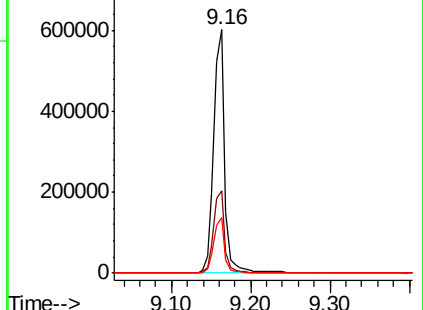
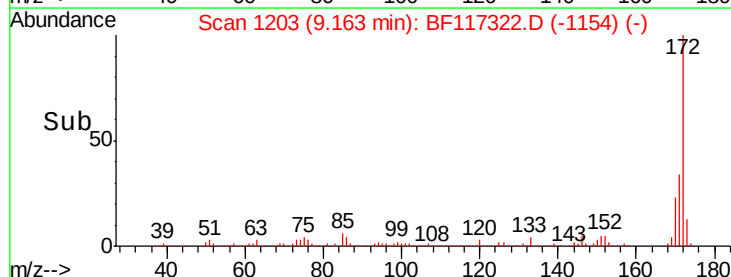
170 22.9 18.9 28.3

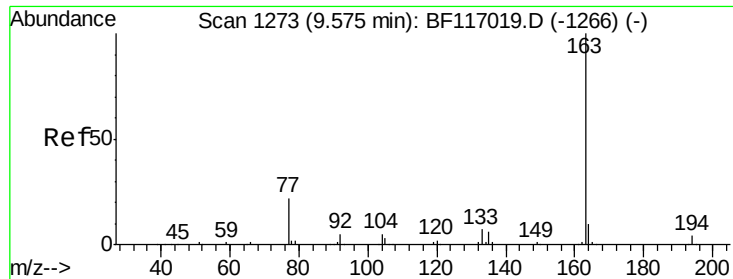


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

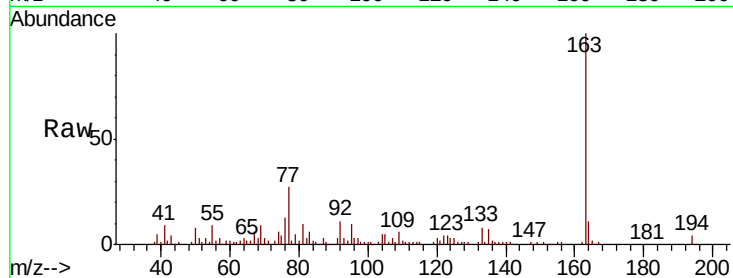




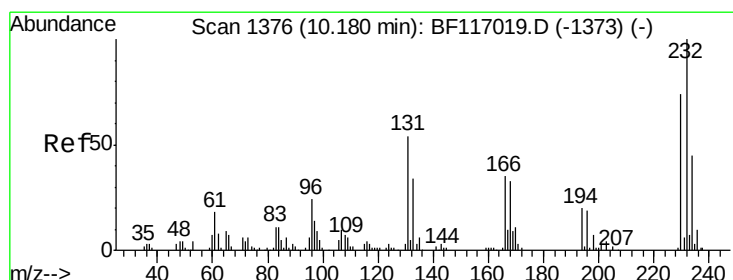
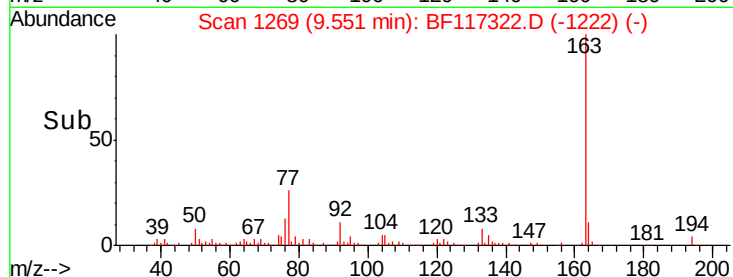
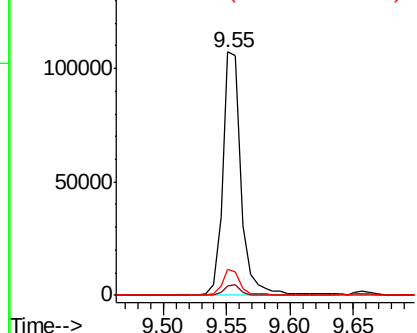
#50
Dimethylphthalate
Concen: 11.772 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-5

Tot Ion:	163	Resp:	109161
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	10.8	8.2	12.4

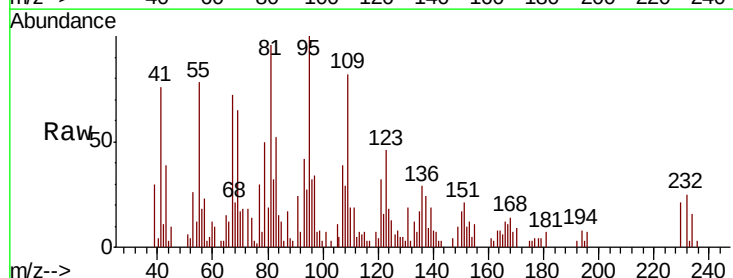


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

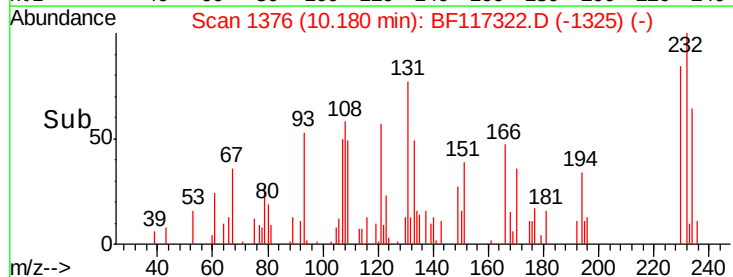
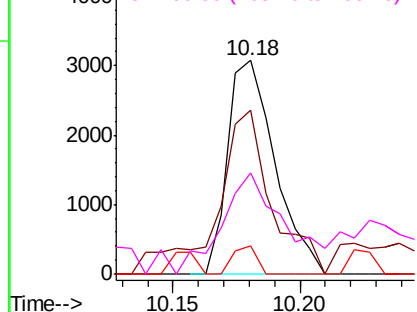


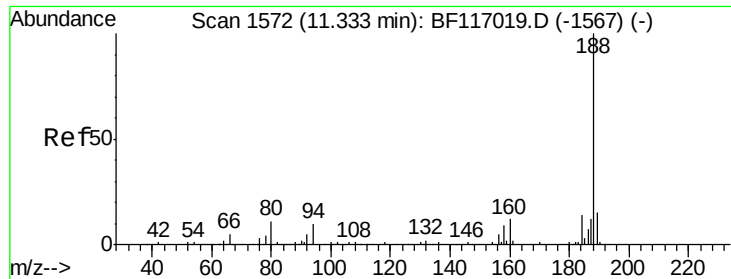
#59
2,3,4,6-Tetrachlorophenol
Concen: 2.127 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:	232	Resp:	3991
Ion Ratio	Lower	Upper	
232	100		
131	89.2	45.3	67.9#
130	6.5	1.8	2.8#
166	62.8	29.4	44.2#



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

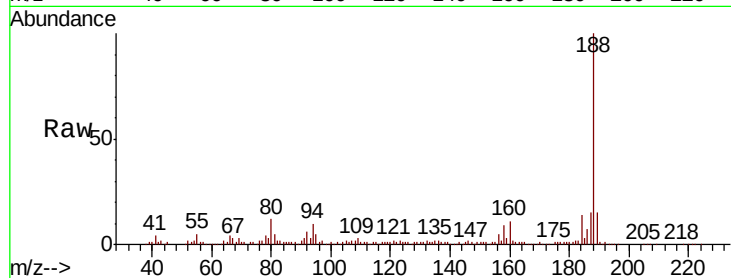




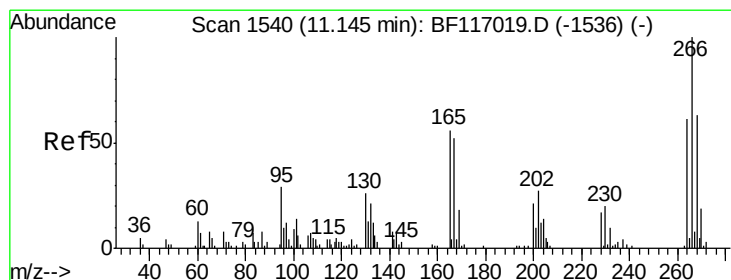
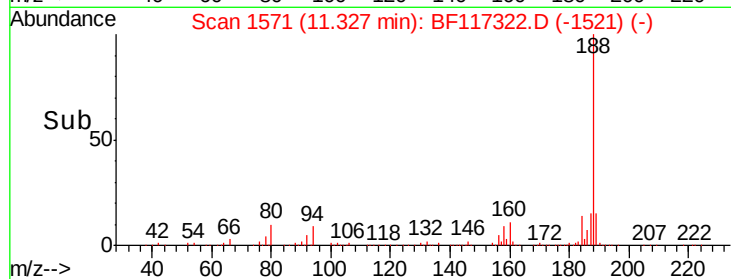
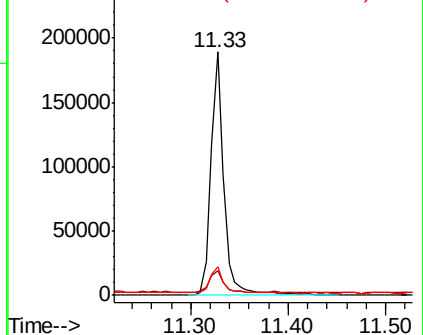
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-5

Tot Ion:188 Resp: 174462
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 11.5 9.0 13.6

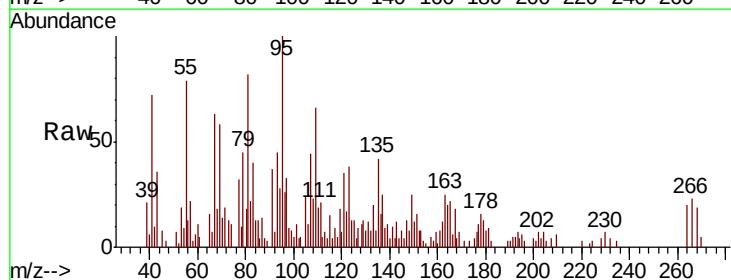


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

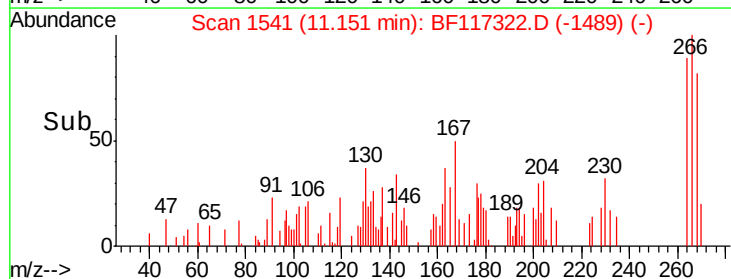
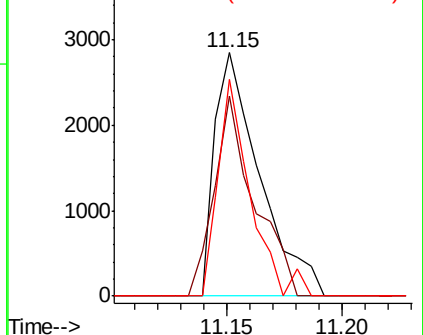


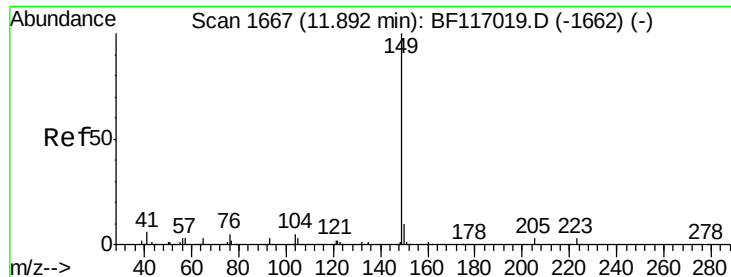
#70
Pentachlorophenol
Concen: 4.227 ng
RT: 11.15 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BF117322.D
Acq: 3 Oct 2019 18:00

Tgt Ion:266 Resp: 3861
Ion Ratio Lower Upper
266 100
268 82.1 50.5 75.7#
264 88.9 48.8 73.2#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#74

Di-n-butylphthalate

Concen: 4.097 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-5

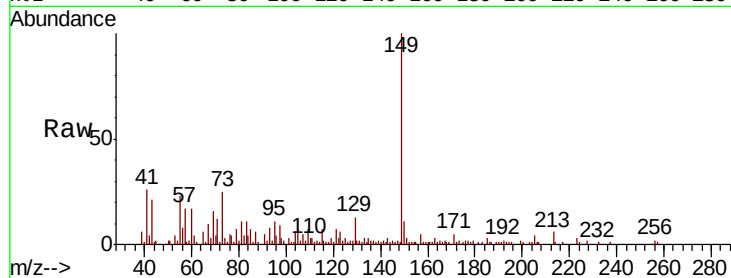
Tot Ion:149 Resp: 46815

Ion Ratio Lower Upper

149 100

150 10.7 7.7 11.5

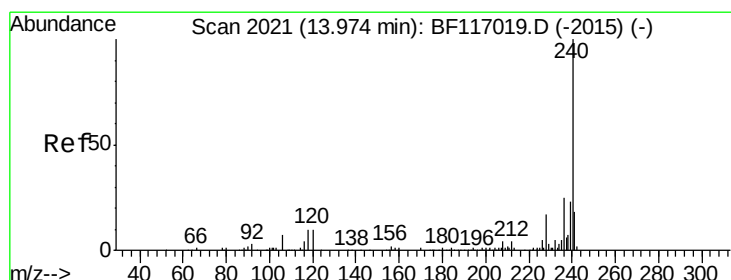
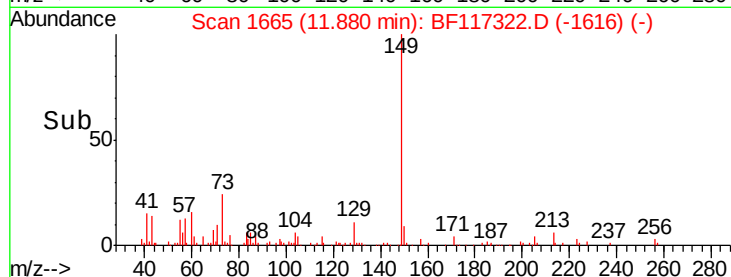
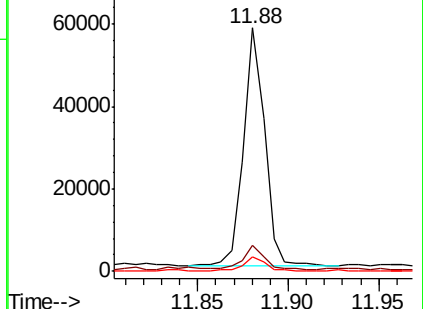
104 6.1 4.2 6.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117322.D

Acq: 3 Oct 2019 18:00

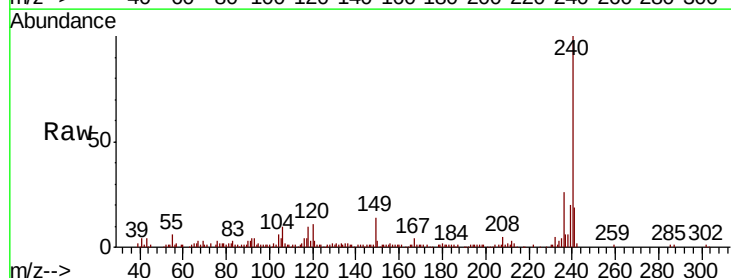
Tgt Ion:240 Resp: 90729

Ion Ratio Lower Upper

240 100

120 11.3 8.3 12.5

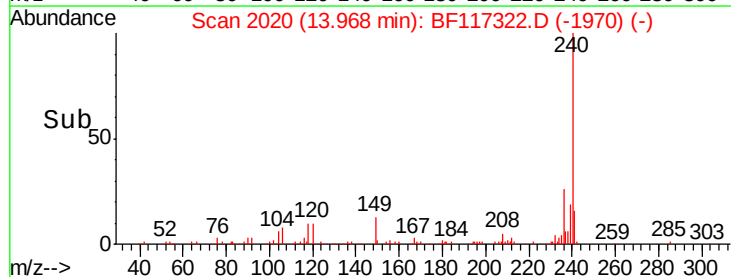
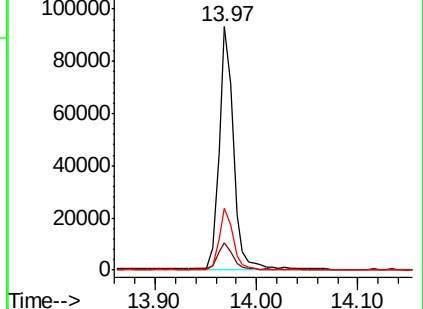
236 25.6 20.3 30.5

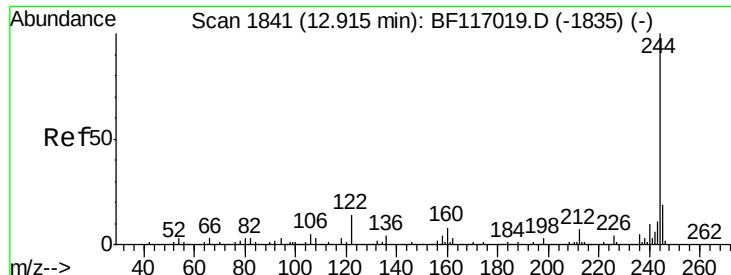


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

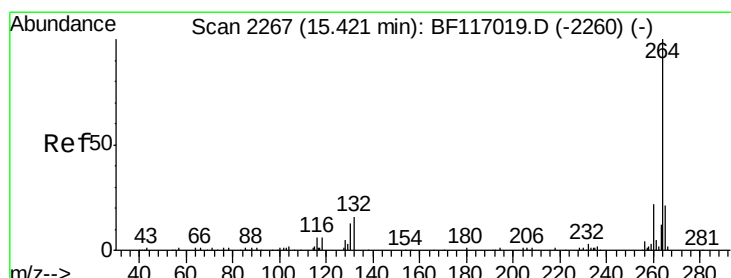
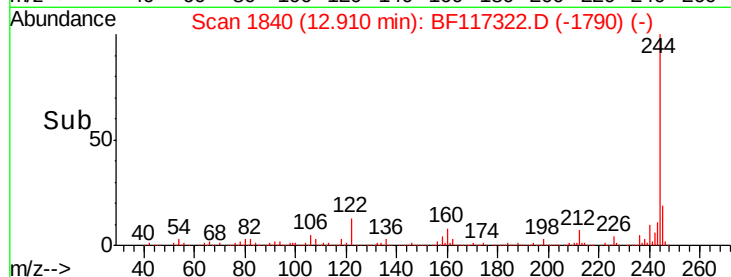
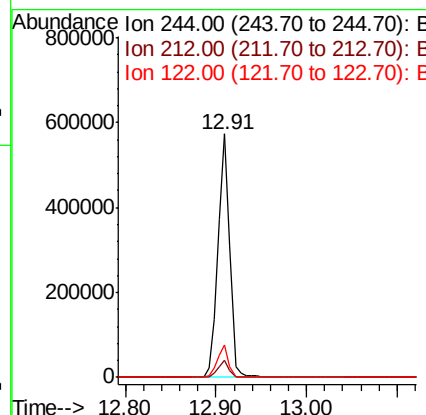
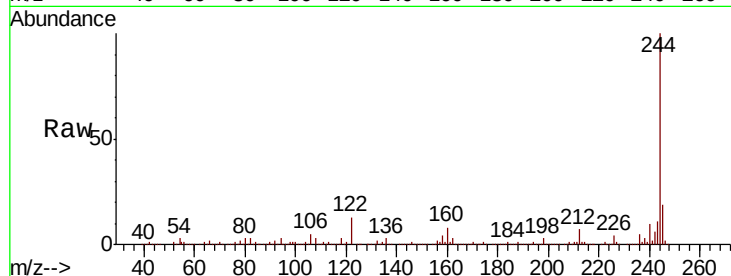




#79
 Terphenyl-d14
 Concen: 107.319 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117322.D
 Acq: 3 Oct 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-5

Tot Ion:244 Resp: 520911
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 13.4 11.3 16.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117322.D
 Acq: 3 Oct 2019 18:00

Tgt Ion:264 Resp: 85258
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.6 26.4
 265 21.0 16.6 24.8

