

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117918.D
 Acq On : 21 Nov 2019 17:54
 Operator : JU
 Sample : K5865-15RX
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Quant Time: Nov 22 00:23:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114137	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	454930	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	243985	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	482646	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	371147	20.00	ng	-0.01
87) Perylene-d12	15.62	264	420142	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	231781	35.95	ng	-0.01
7) Phenol-d6	6.53	99	791036	101.71	ng	-0.01
23) Nitrobenzene-d5	7.47	82	534996	69.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	3697	1.43	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1124972	82.72	ng	-0.01
79) Terphenyl-d14	13.05	244	1526848	75.19	ng	0.00

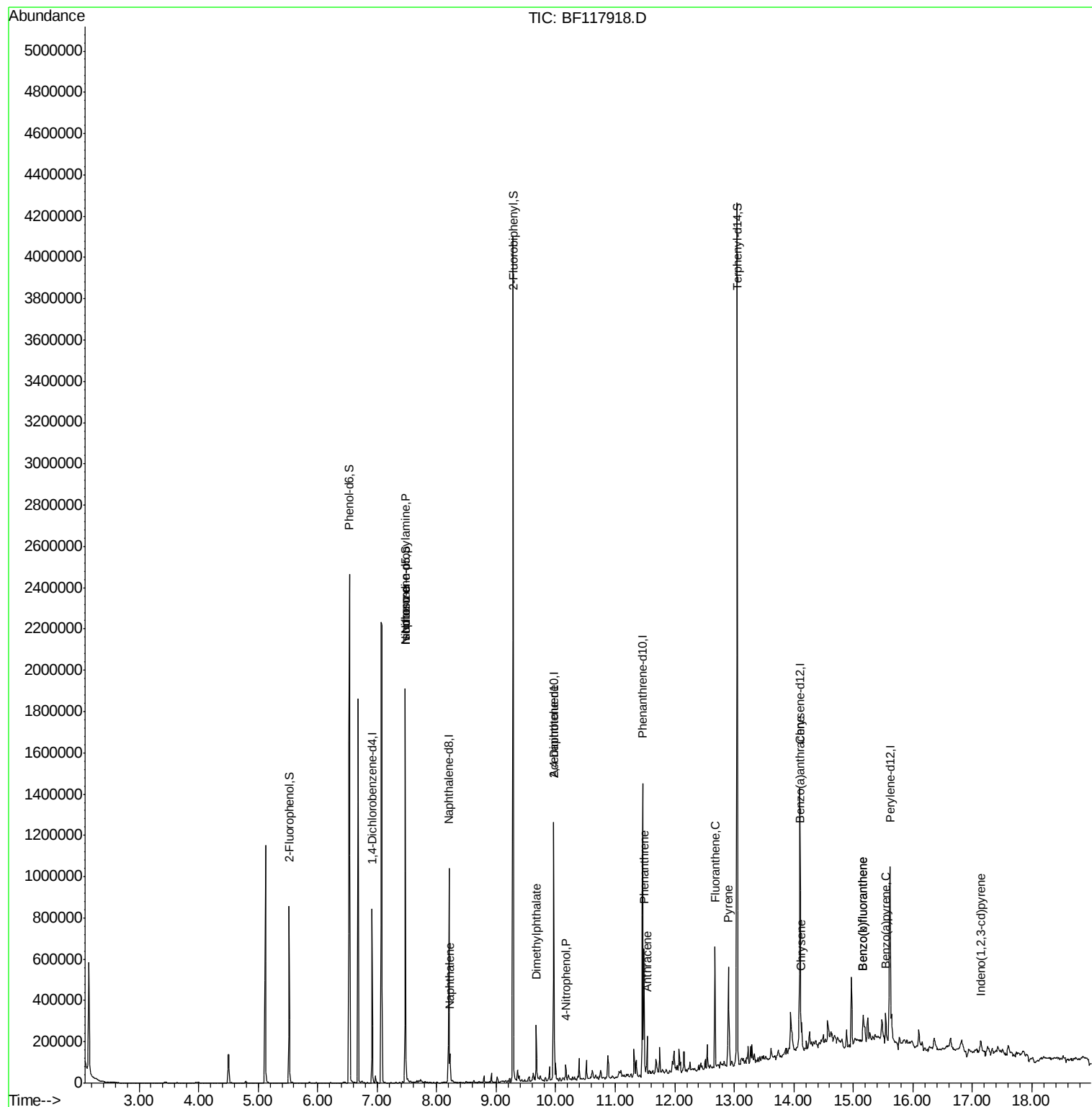
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	383	Below Cal		# 83
19) n-Nitroso-di-n-propylamine	7.47	70	74729	15.575	ng	# 76
25) Isophorone	7.47	82	534990	38.141	ng	# 62
31) Naphthalene	8.22	128	48716	2.297	ng	97
50) Dimethylphthalate	9.67	163	106613	6.231	ng	98
56) 4-Nitrophenol	10.17	139	8740	2.617	ng	# 13
57) 2,4-Dinitrotoluene	9.96	165	32988	6.935	ng	# 25
71) Phenanthrene	11.48	178	204514	8.428	ng	97
72) Anthracene	11.53	178	65701	2.731	ng	97
75) Fluoranthene	12.67	202	219605	2.898	ng	98
78) Pyrene	12.90	202	183910	6.131	ng	99
81) Benzo(a)anthracene	14.09	228	82498	3.364	ng	99
83) Chrysene	14.13	228	65841	2.770	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	40886	2.021	ng	94
88) Benzo(b)fluoranthene	15.16	252	111787	4.095	ng	# 95
89) Benzo(k)fluoranthene	15.16	252	111787	4.346	ng	# 94
90) Benzo(a)pyrene	15.54	252	65018	2.709	ng	96

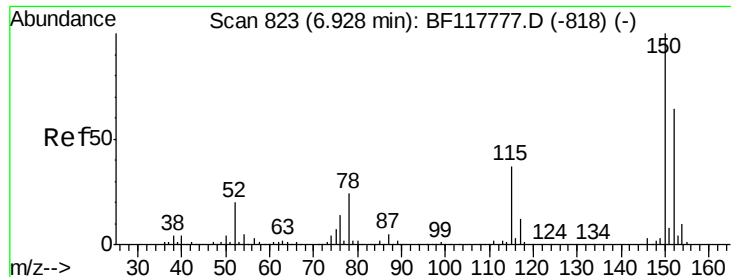
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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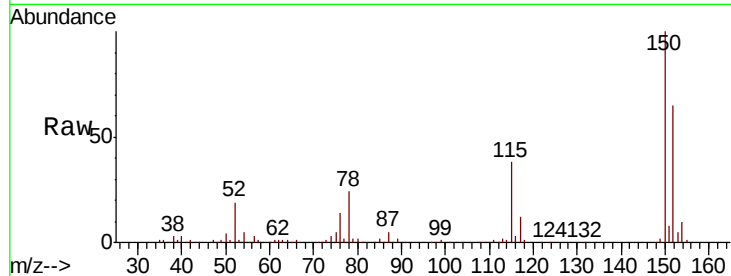


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.3	187.9
115	58.5	47.0	70.4

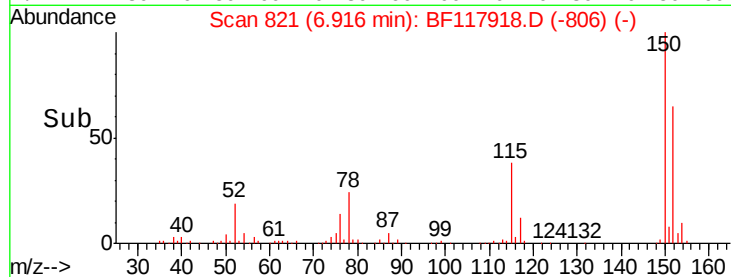
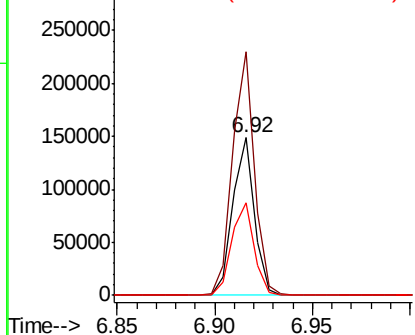


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

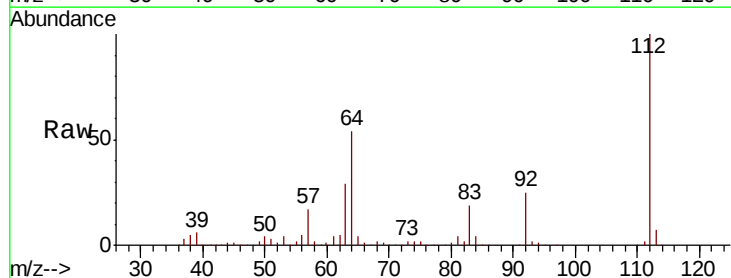
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 35.946 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.6	68.4
63	29.0	24.1	36.1

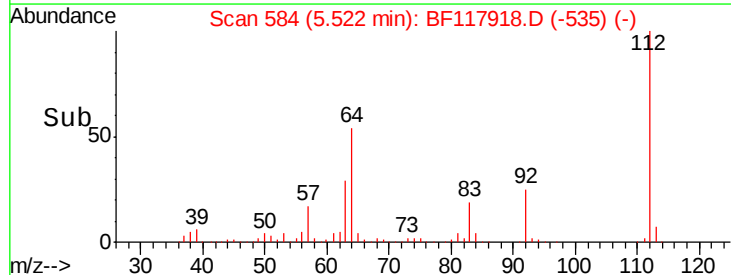
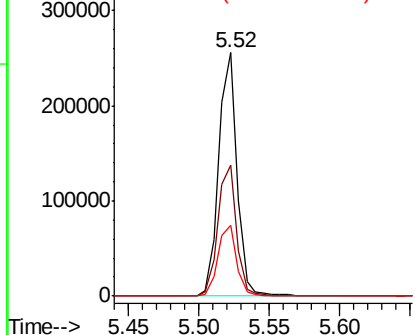


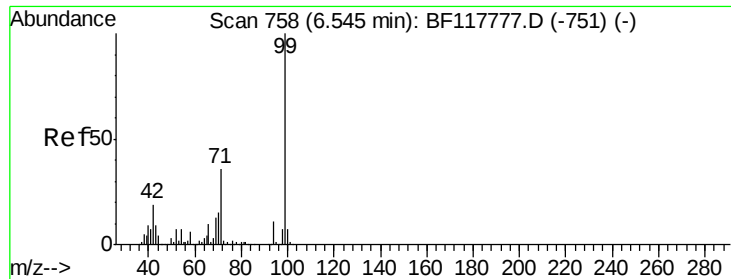
Abundance

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: 101.710 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

ClientSampleId :

3-(16-18)RX

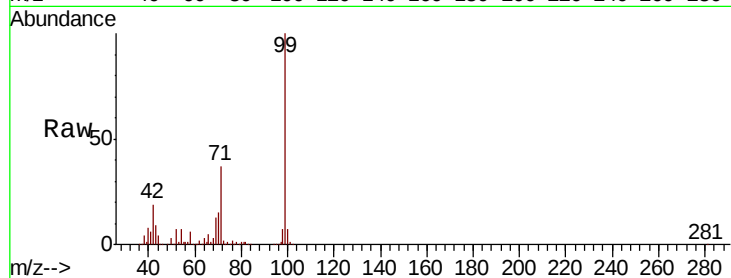
Tot Ion: 99 Resp: 791036

Ion Ratio Lower Upper

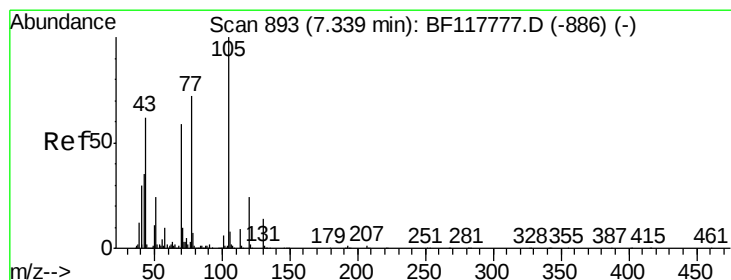
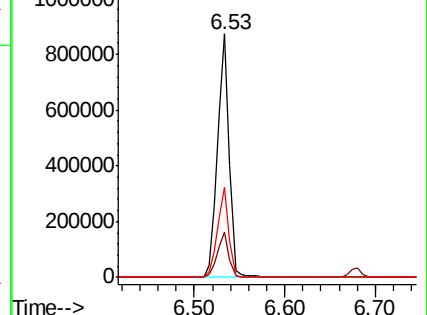
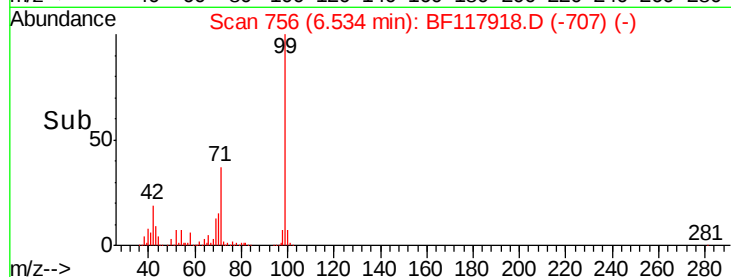
99 100

42 18.7 14.9 22.3

71 36.9 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.575 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Tgt Ion: 70 Resp: 74729

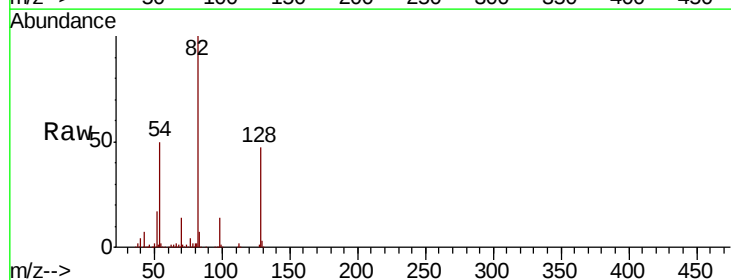
Ion Ratio Lower Upper

70 100

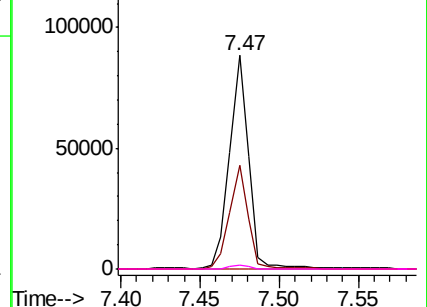
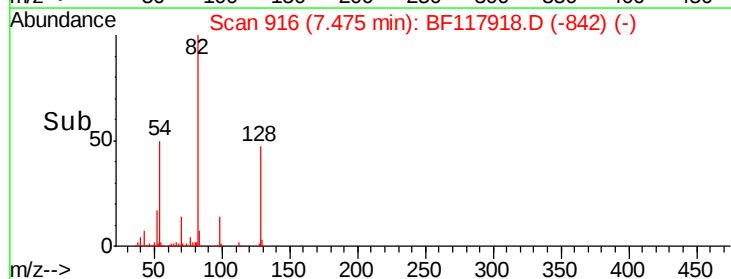
42 48.4 47.4 71.2

101 0.0 8.4 12.6#

130 1.8 18.8 28.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

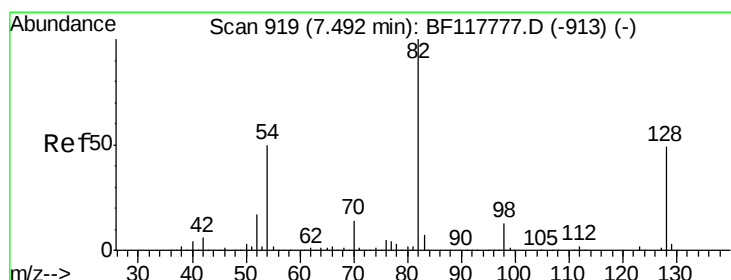
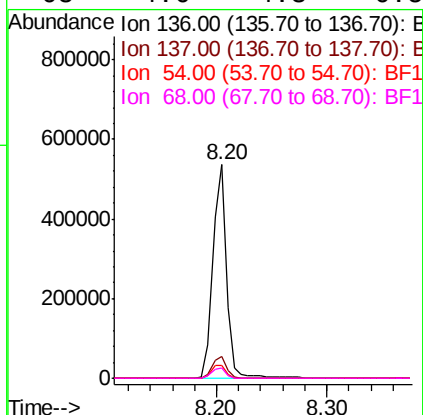
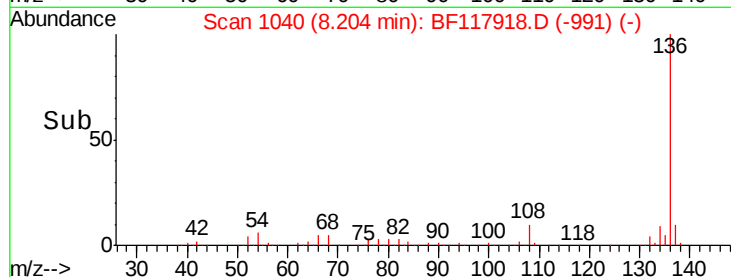
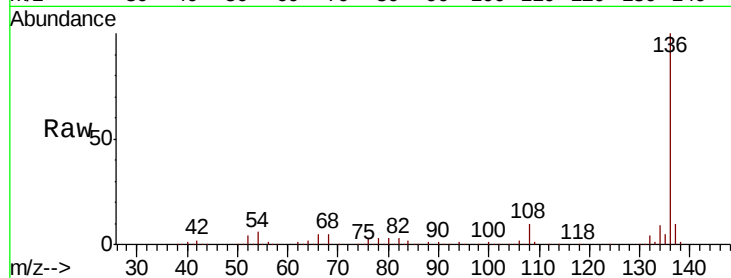




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

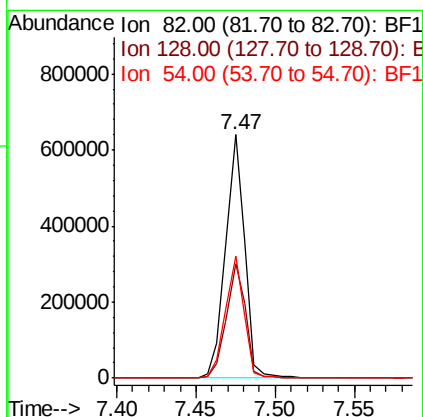
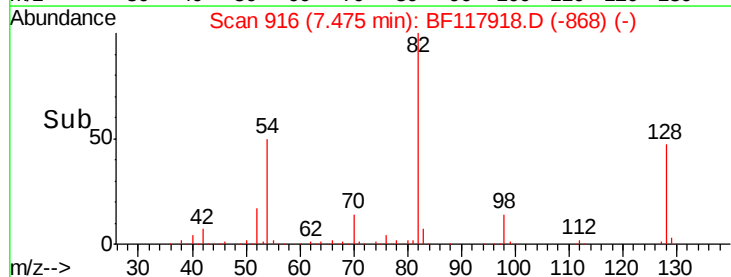
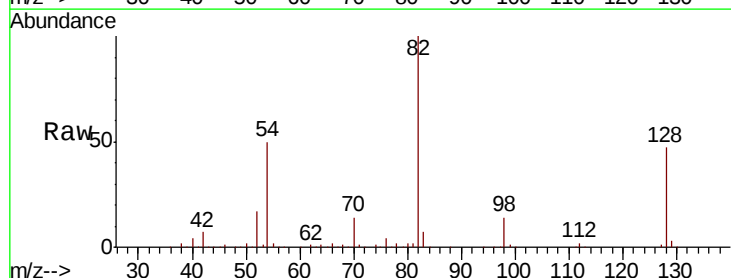
Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

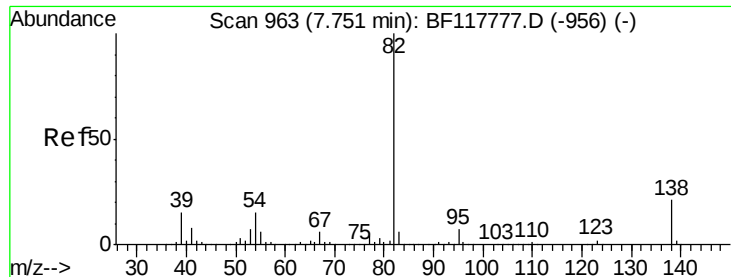
Tot Ion:136	Resp:	454930
Ion	Ratio	Lower Upper
136	100	
137	10.4	9.0 13.4
54	6.3	5.4 8.2
68	4.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 69.908 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion: 82	Resp:	534996
Ion	Ratio	Lower Upper
82	100	
128	46.8	38.9 58.3
54	50.4	39.8 59.6





#25

Isophorone

Concen: 38.141 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

ClientSampleId :

3-(16-18)RX

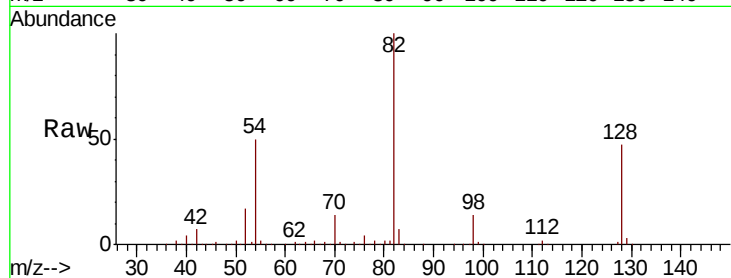
Tot Ion: 82 Resp: 534990

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

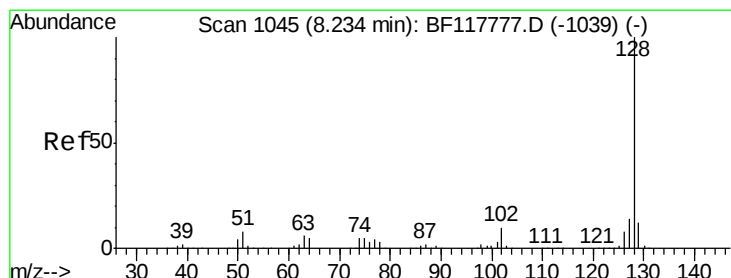
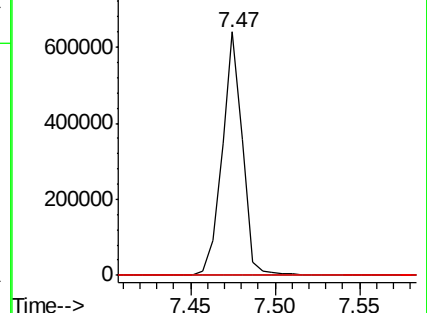
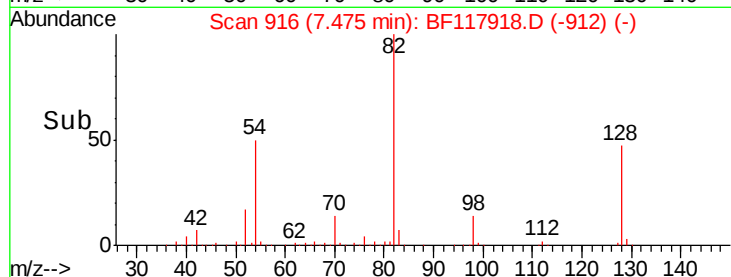
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.297 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

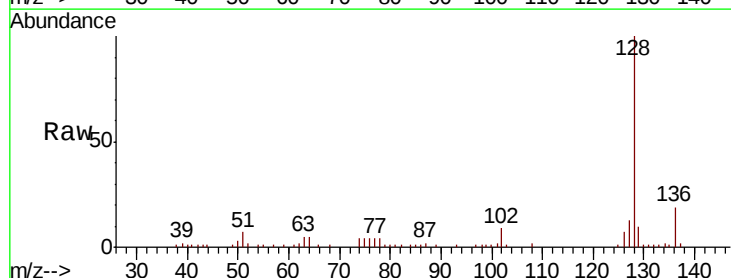
Tgt Ion: 128 Resp: 48716

Ion Ratio Lower Upper

128 100

129 10.4 9.5 14.3

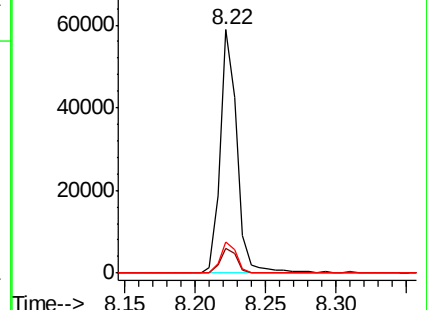
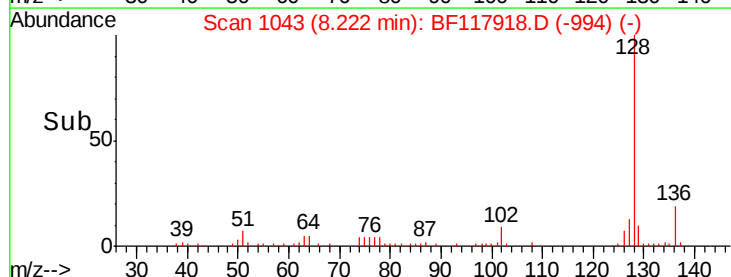
127 12.9 11.3 16.9

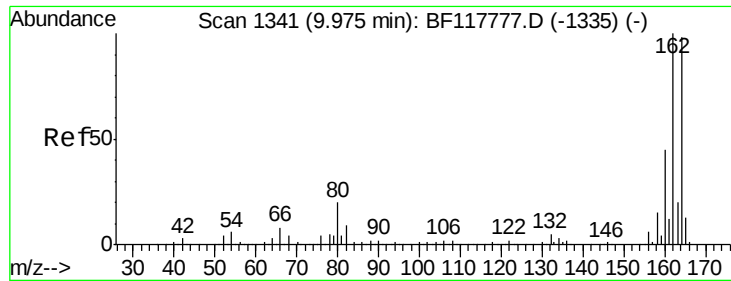


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

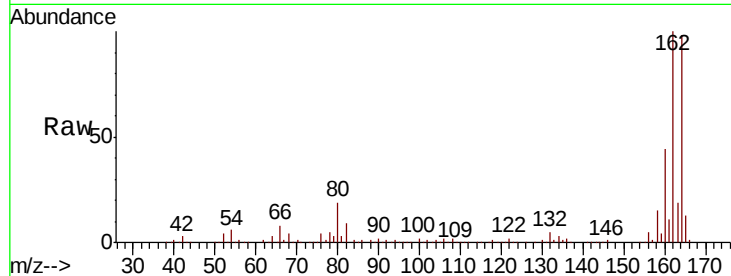




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion:164 Resp: 243985
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.8 36.6 55.0



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

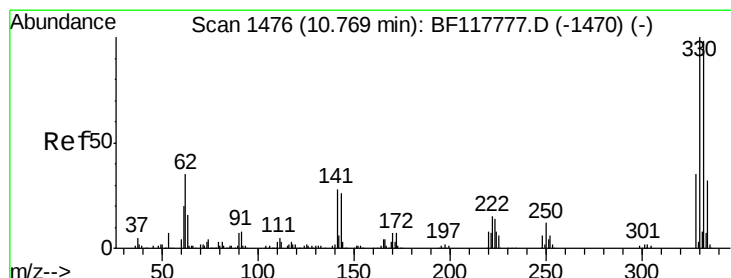
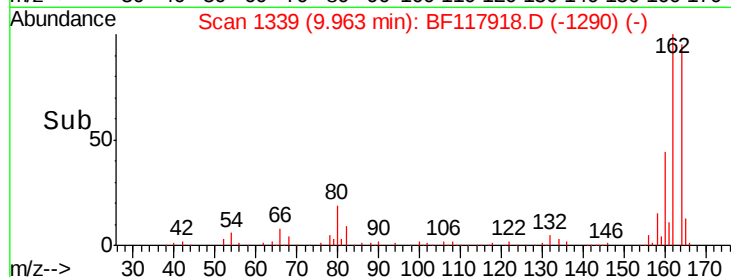
9.96

300000

200000

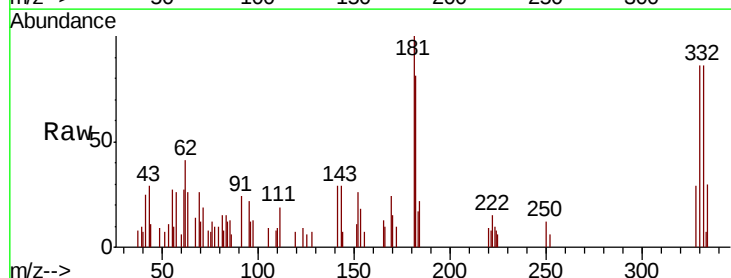
100000

Time-->



#42
2,4,6-Tribromophenol
Concen: 1.431 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion:330 Resp: 3697
Ion Ratio Lower Upper
330 100
332 100.9 76.7 115.1
141 45.2 27.7 41.5#



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

10.76

5000

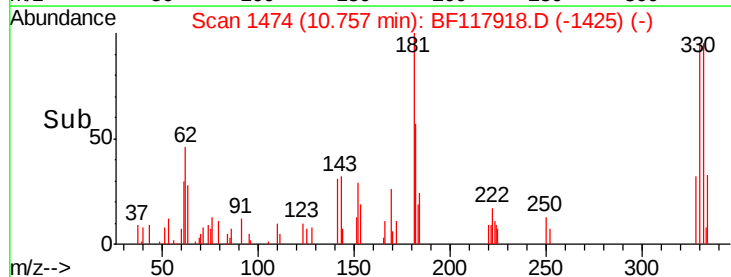
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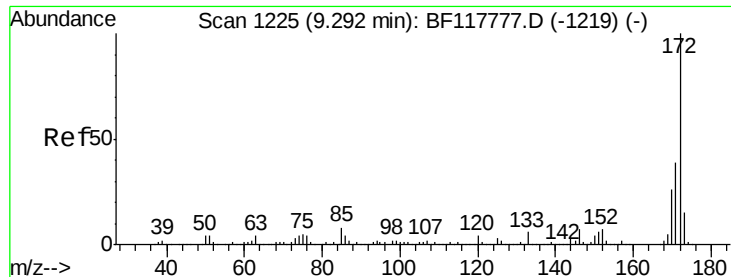
3000

2000

1000

Time-->



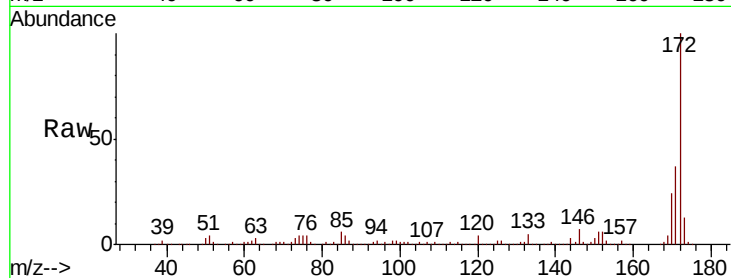


#45
 2-Fluorobiphenyl
 Concen: 82.720 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

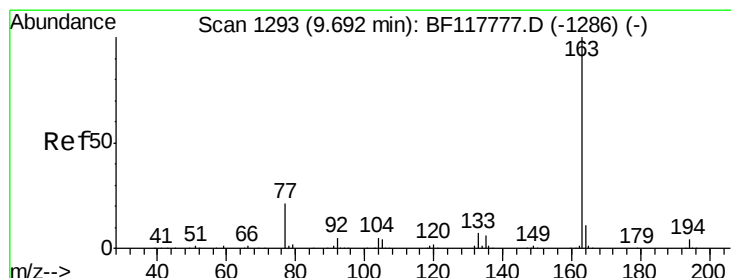
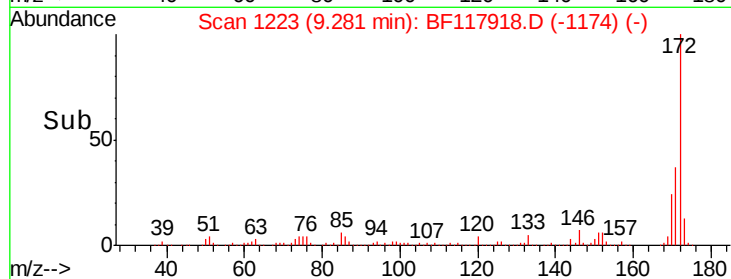
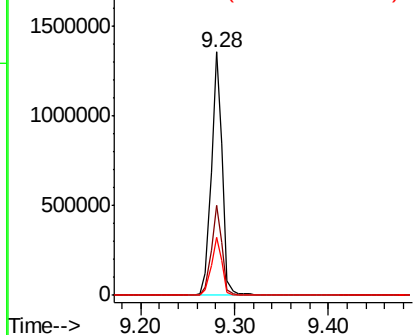
Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion:172 Resp: 1124972

Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.9	46.3
170	24.1	21.0	31.4



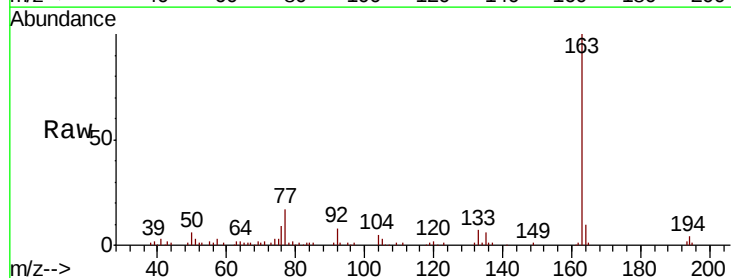
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



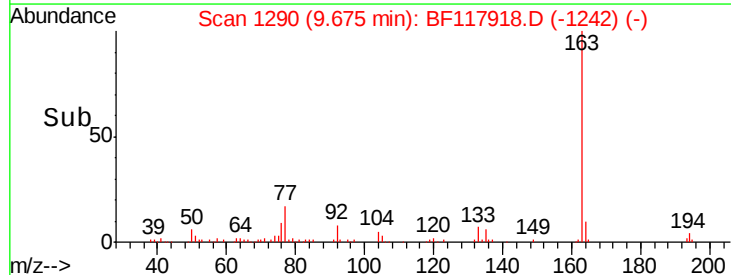
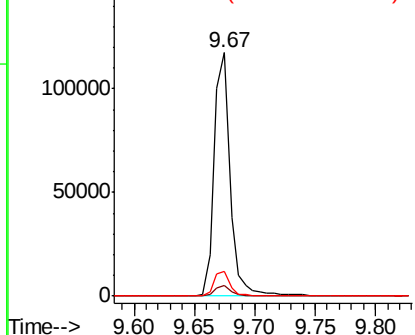
#50
 Dimethylphthalate
 Concen: 6.231 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

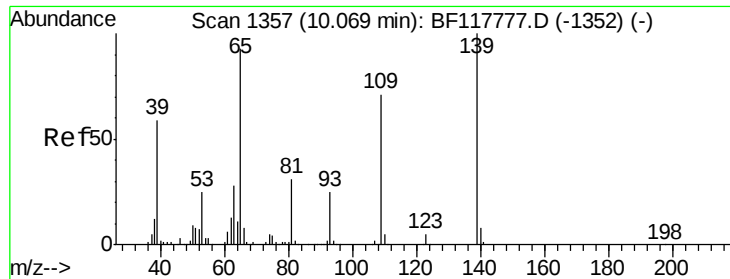
Tgt Ion:163 Resp: 106613

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.7	13.1



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

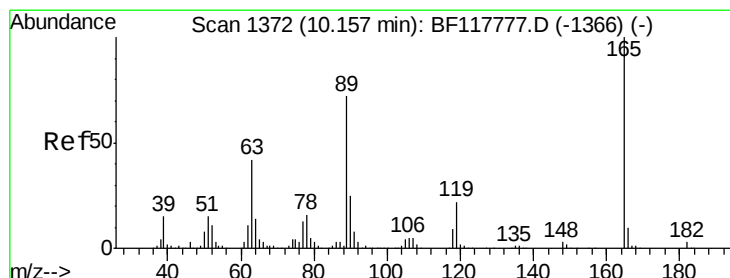
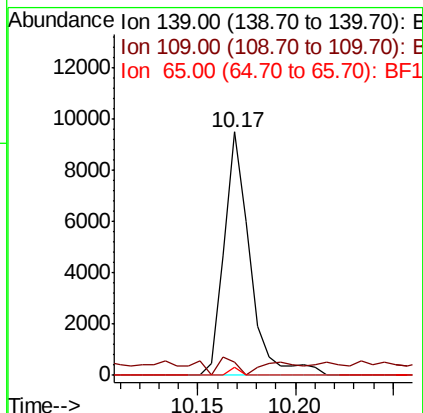
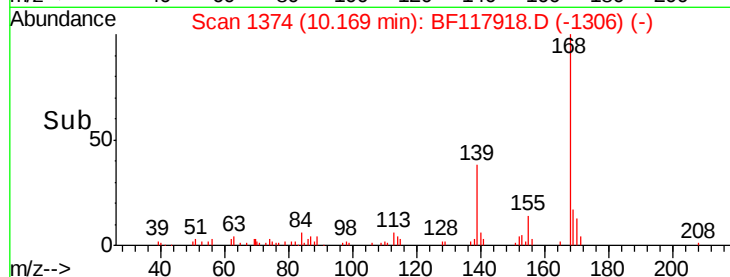
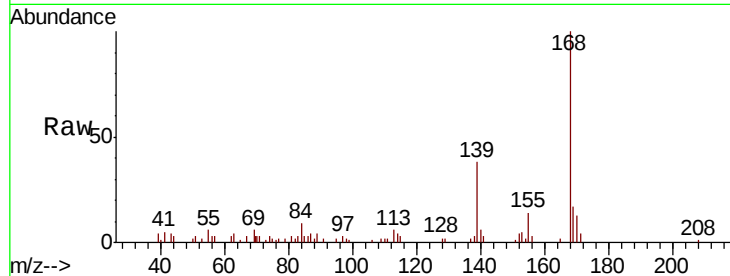




#56
4-Nitrophenol
Concen: 2.617 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.10 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

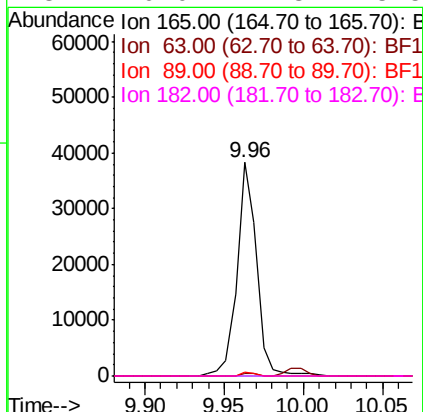
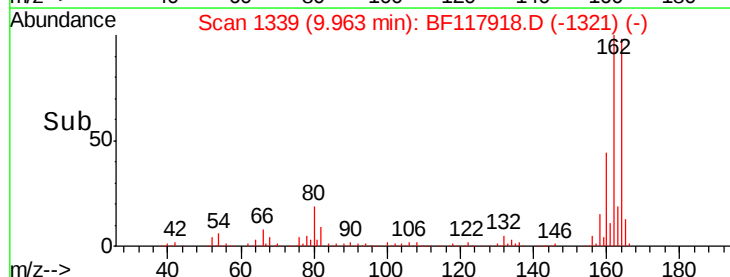
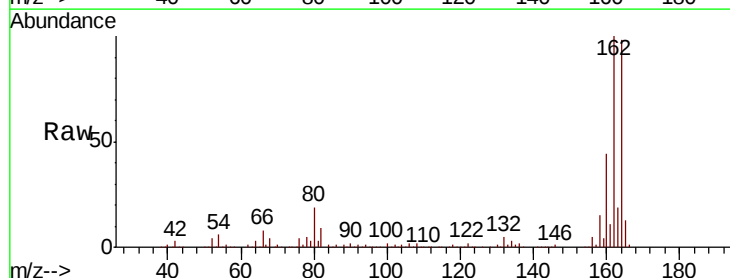
Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

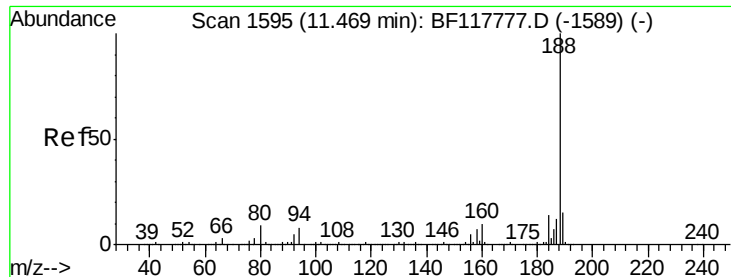
Tot Ion:139 Resp: 8740
Ion Ratio Lower Upper
139 100
109 5.6 50.8 90.8#
65 3.2 73.6 113.6#



#57
2,4-Dinitrotoluene
Concen: 6.935 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion:165 Resp: 32988
Ion Ratio Lower Upper
165 100
63 1.4 33.7 50.5#
89 1.9 57.3 85.9#
182 0.0 2.3 3.5#

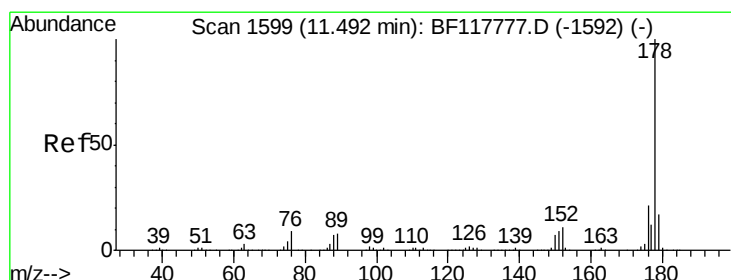
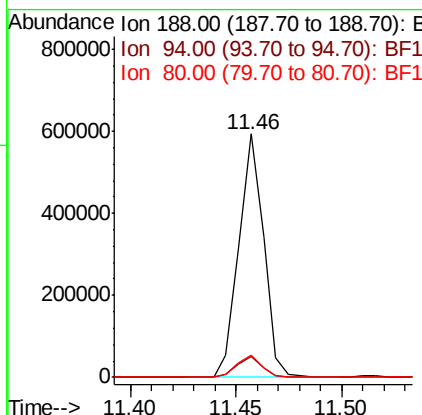
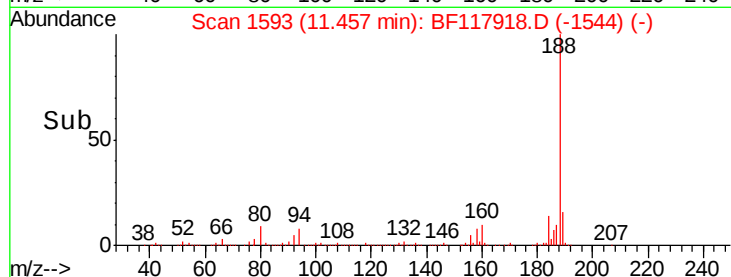
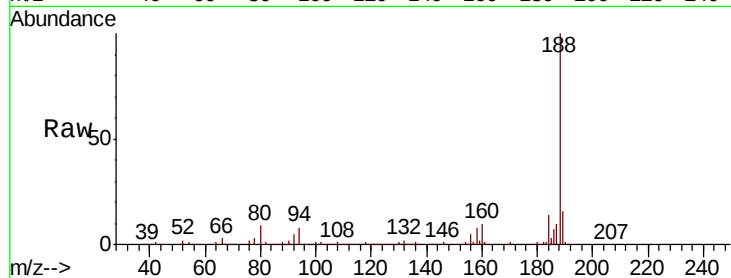




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

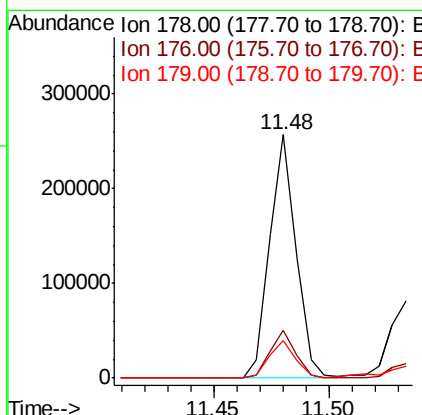
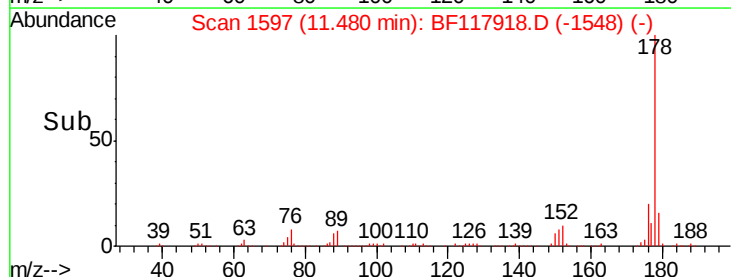
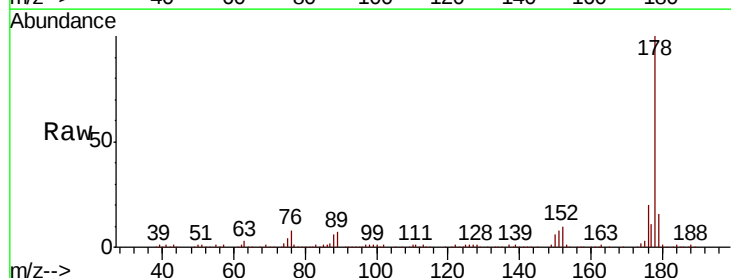
Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

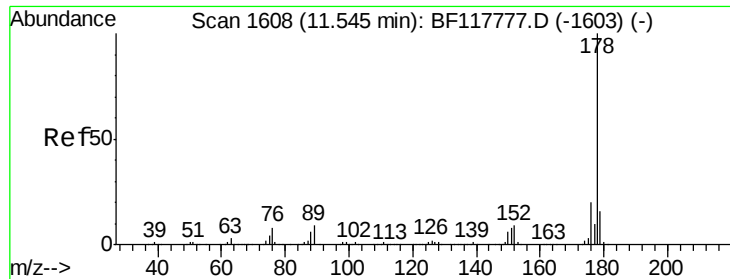
Tot Ion:188 Resp: 482646
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.2 7.2 10.8



#71
Phenanthrene
Concen: 8.428 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion:178 Resp: 204514
Ion Ratio Lower Upper
178 100
176 19.5 16.6 25.0
179 15.5 13.2 19.8

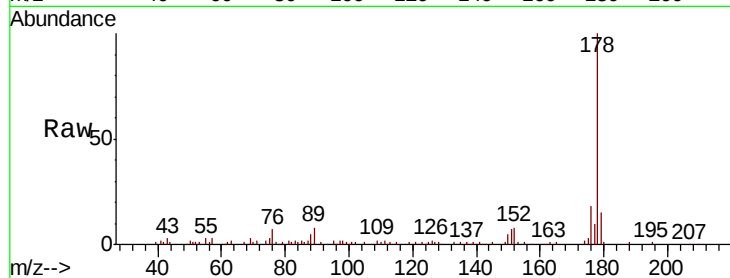




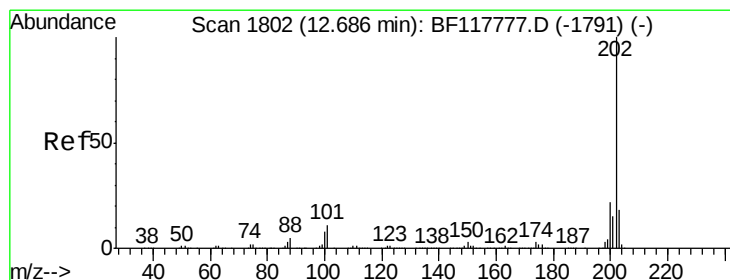
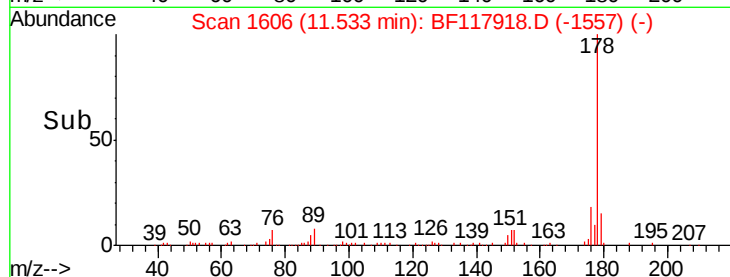
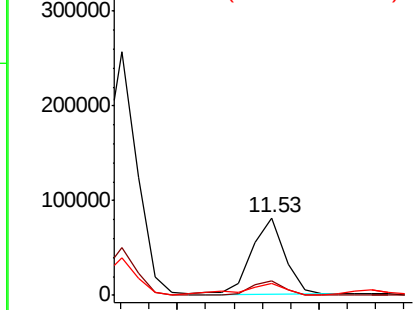
#72
 Anthracene
 Concen: 2.731 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Instrument :
 BNA_F
 ClientSampleId :
 3-(16-18)RX

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.1	24.1
179	15.0	13.0	19.4

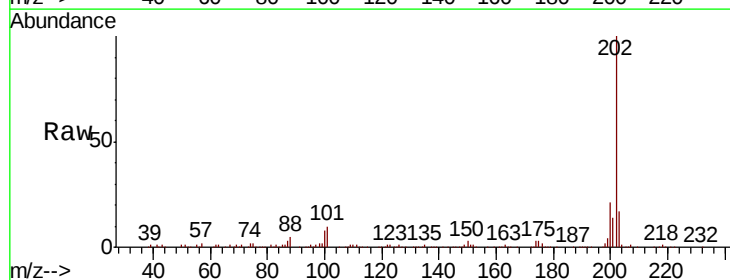


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

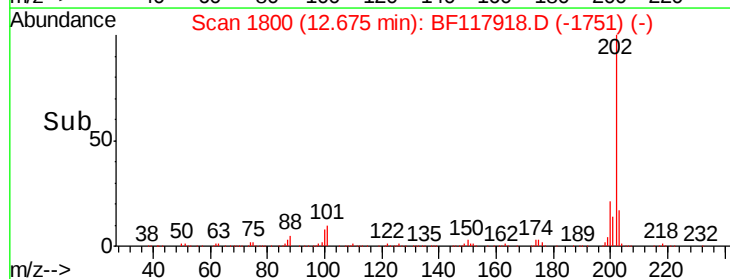
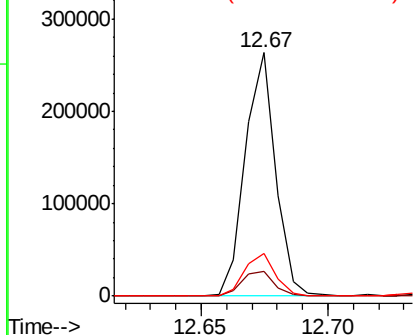


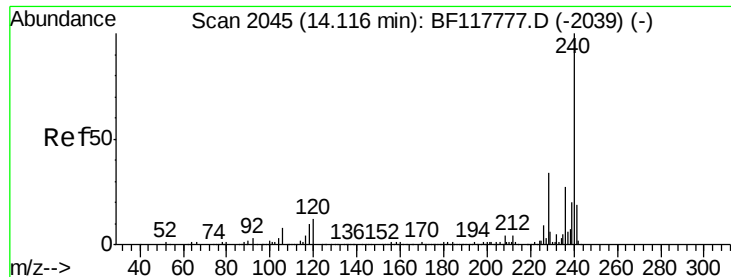
#75
 Fluoranthene
 Concen: 2.898 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BF117918.D
 Acq: 21 Nov 2019 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.1
203	17.3	0.0	38.2



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

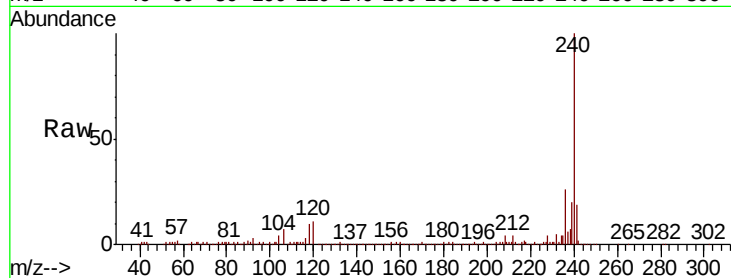
BNA_F

ClientSampleId :

3-(16-18)RX

Tot Ion:240 Resp: 371147

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	26.2	21.3	31.9

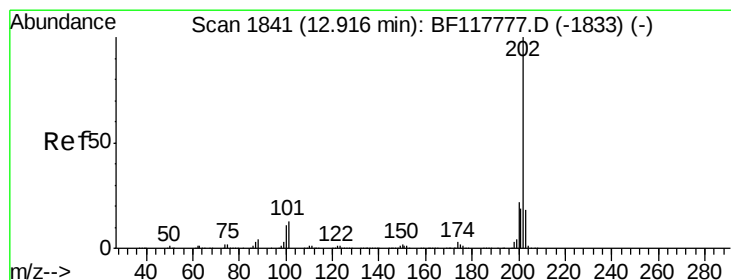
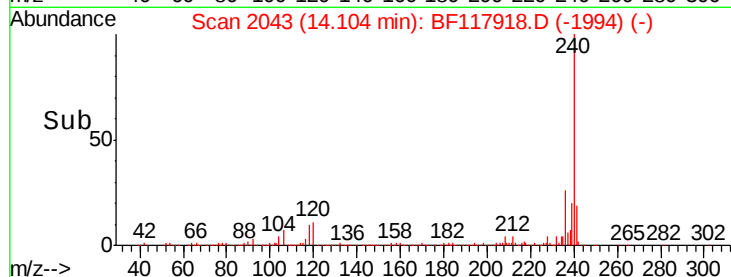
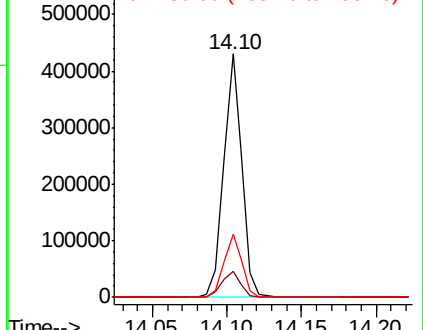


Abundance

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



#78

Pyrene

Concen: 6.131 ng

RT: 12.90 min Scan# 1839

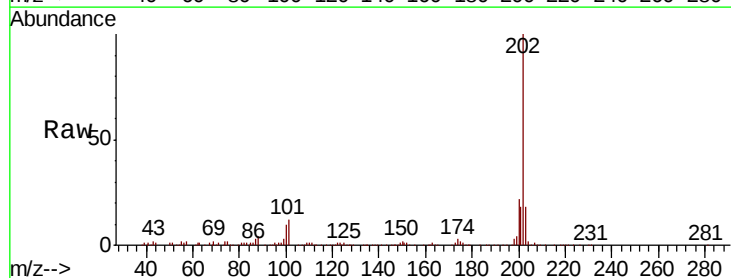
Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Tgt Ion:202 Resp: 183910

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.8	26.8
203	17.8	14.6	22.0

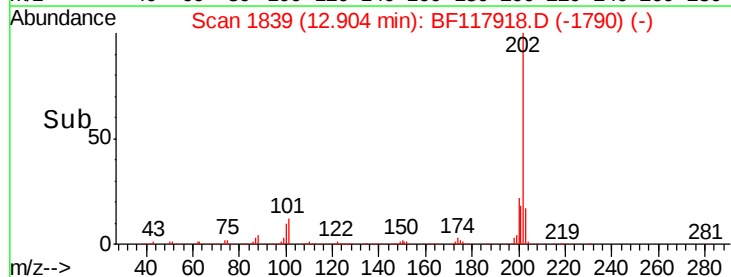
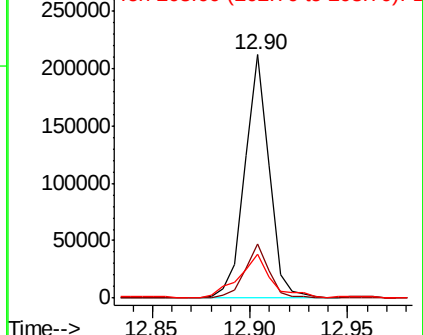


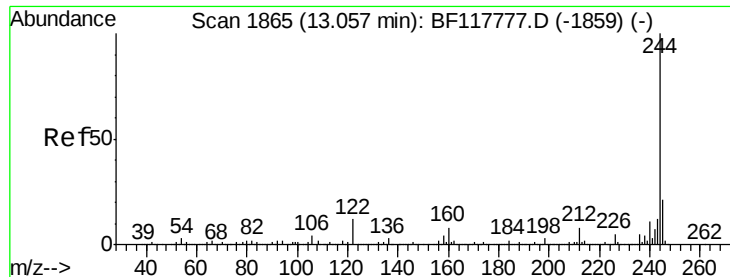
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.185 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

ClientSampleId :

3-(16-18)RX

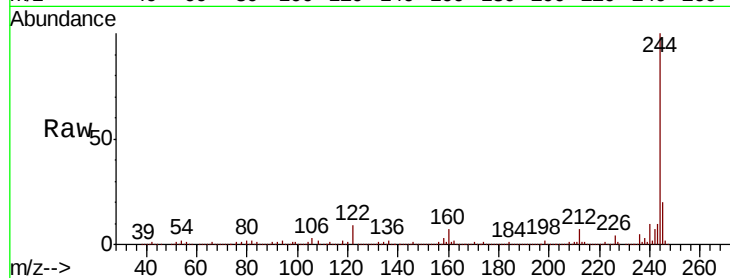
Tot Ion:244 Resp: 1526848

Ion Ratio Lower Upper

244 100

212 6.6 6.3 9.5

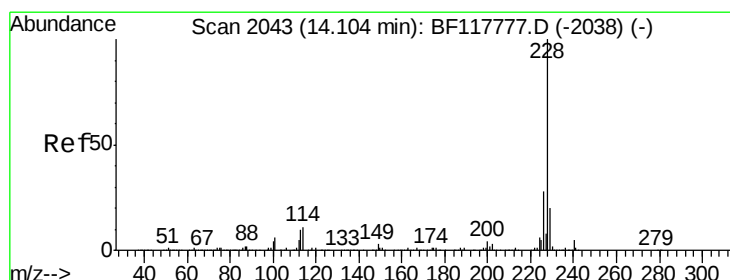
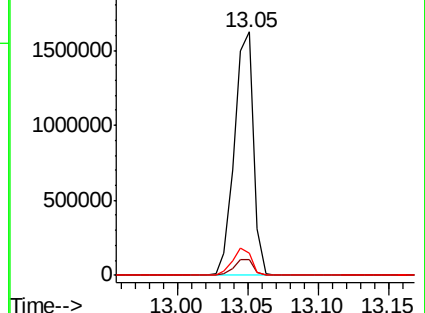
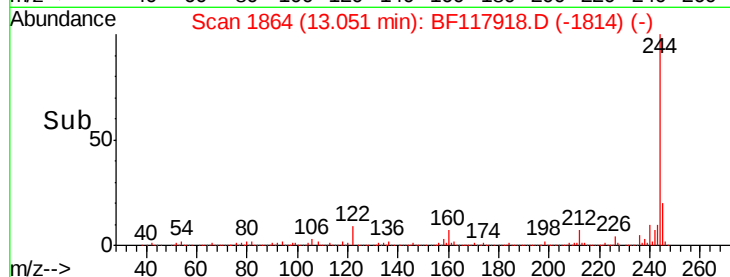
122 9.2 9.4 14.2#



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



#81

Benzo(a)anthracene

Concen: 3.364 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

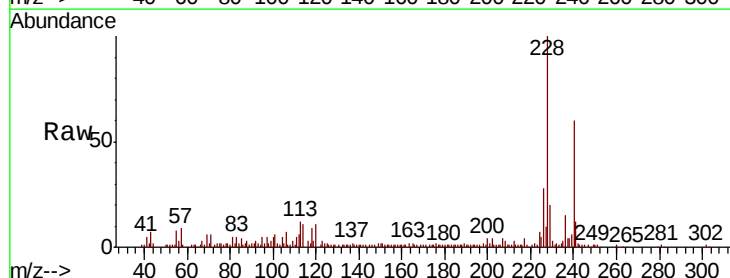
Tgt Ion:228 Resp: 82498

Ion Ratio Lower Upper

228 100

226 27.6 22.2 33.2

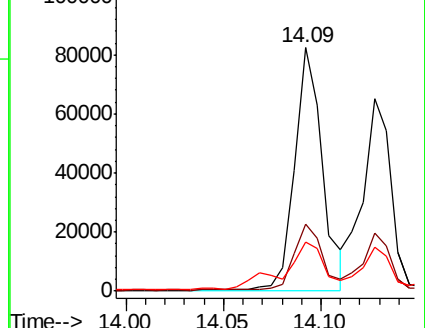
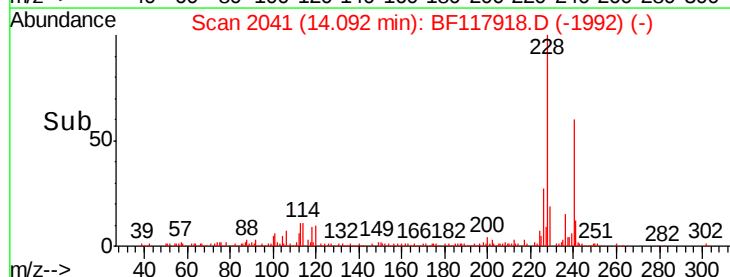
229 20.4 15.9 23.9

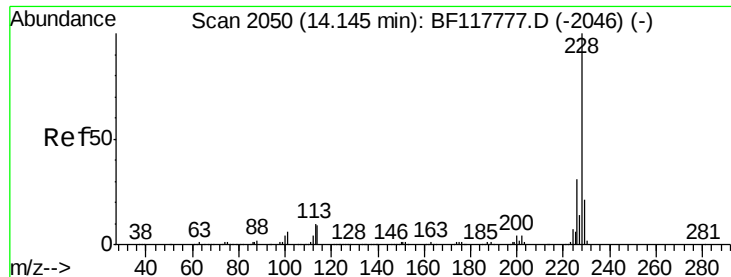


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

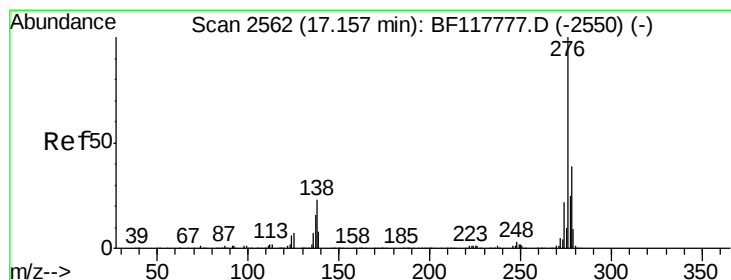
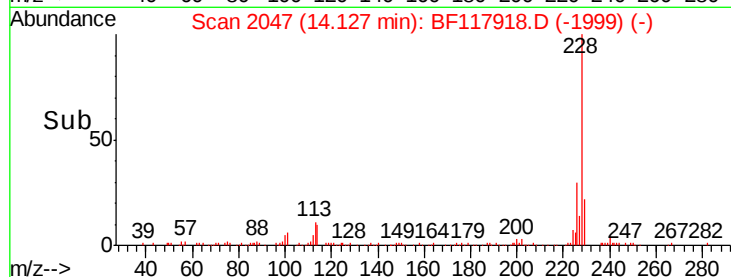
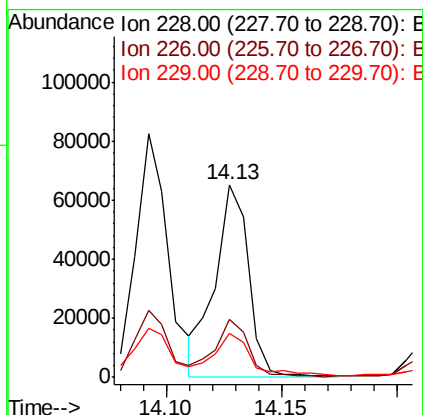
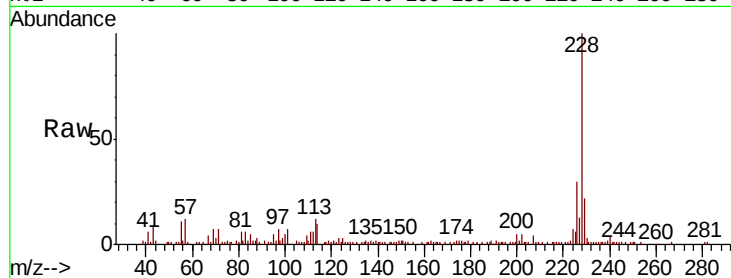




#83
Chrysene
Concen: 2.770 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

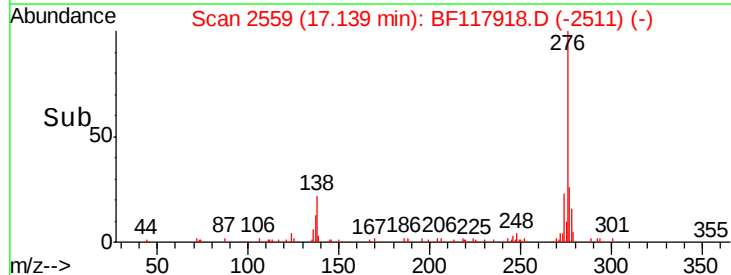
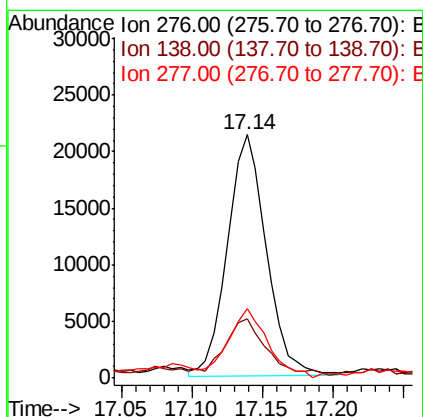
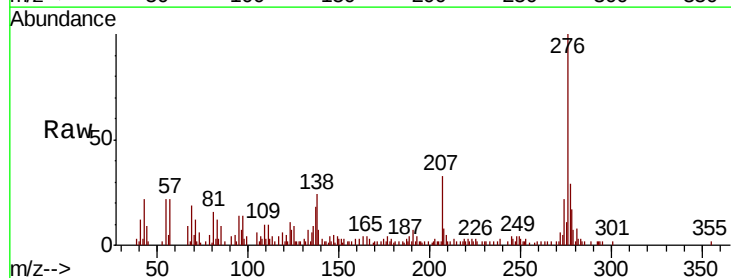
Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

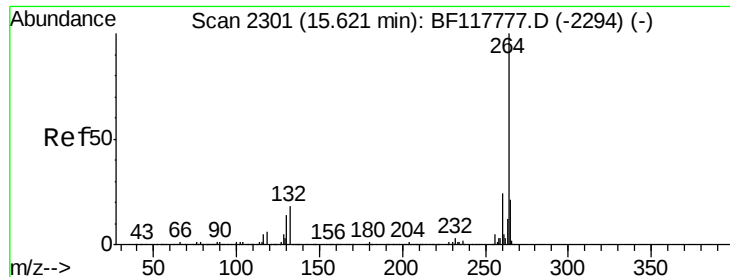
Tot Ion:228 Resp: 65841
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.4
229 22.5 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.021 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion:276 Resp: 40886
Ion Ratio Lower Upper
276 100
138 24.2 20.9 31.3
277 29.7 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

Instrument :

BNA_F

ClientSampleId :

3-(16-18)RX

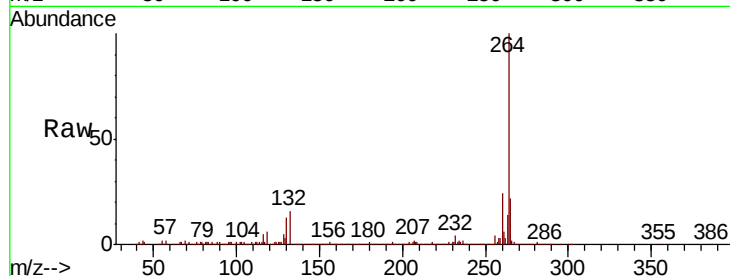
Tot Ion:264 Resp: 420142

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

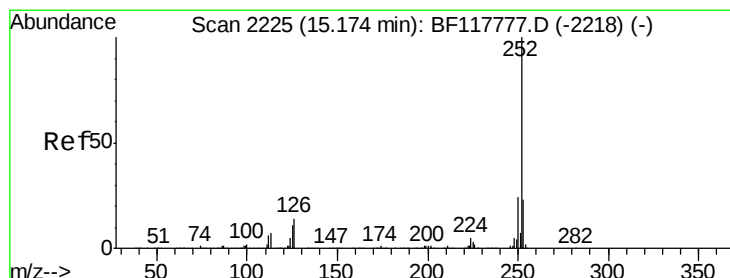
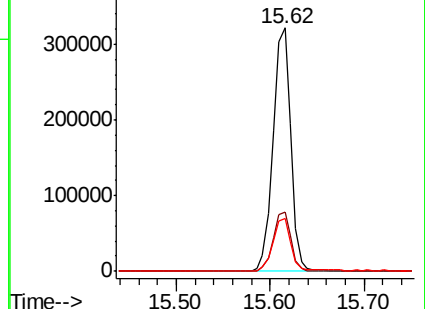
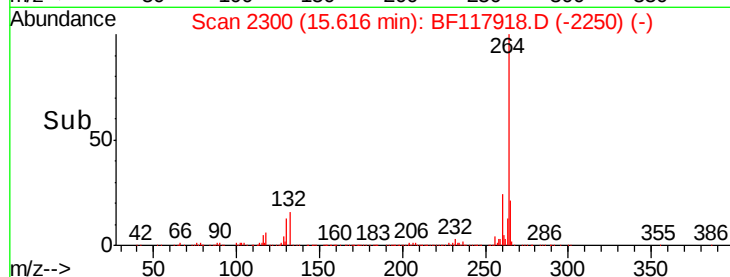
265 21.6 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.095 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF117918.D

Acq: 21 Nov 2019 17:54

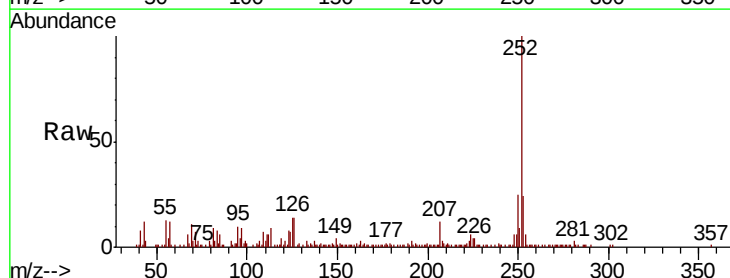
Tgt Ion:252 Resp: 111787

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

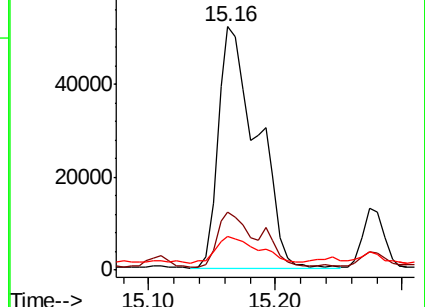
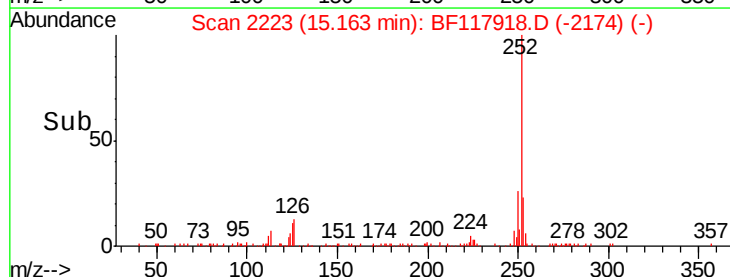
125 14.0 8.6 13.0#

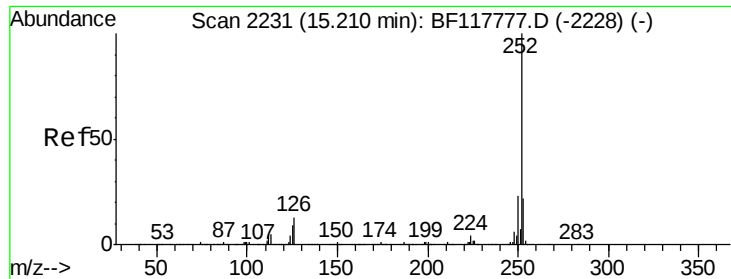


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

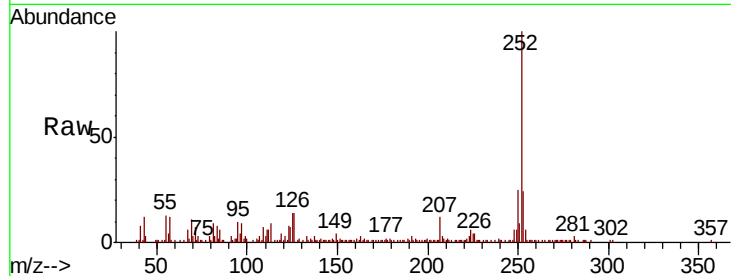




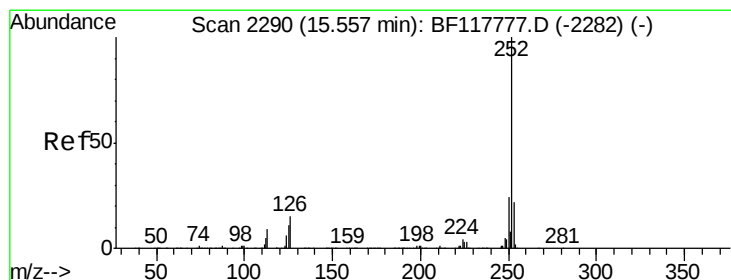
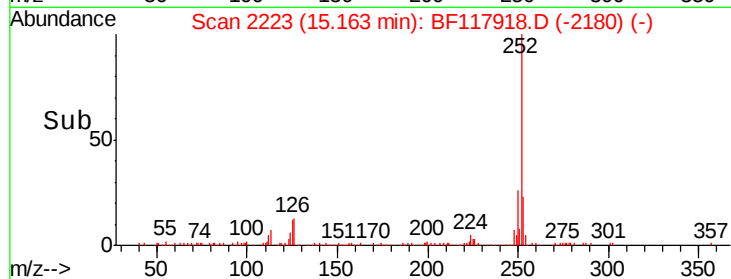
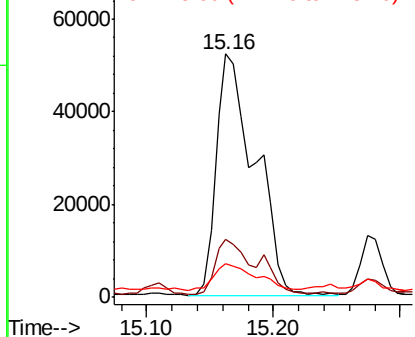
#89
Benzo(k)fluoranthene
Concen: 4.346 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Instrument :
BNA_F
ClientSampleId :
3-(16-18)RX

Tot Ion:252 Resp: 111787
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 14.0 7.9 11.9#

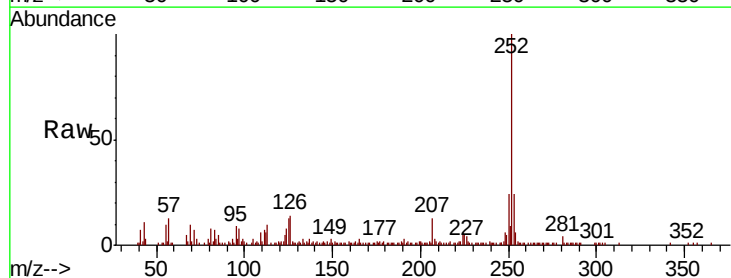


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.709 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF117918.D
Acq: 21 Nov 2019 17:54

Tgt Ion:252 Resp: 65018
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 13.3 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

