

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118017.D
 Acq On : 26 Nov 2019 19:52
 Operator : JU
 Sample : K5959-06 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 00:46:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	148170	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	476182	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	234651	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	353711	20.00	ng	0.00
76) Chrysene-d12	14.09	240	268001	20.00	ng	0.00
87) Perylene-d12	15.60	264	209875	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	289993	34.64	ng	0.00
7) Phenol-d6	6.52	99	385459	38.18	ng	0.00
23) Nitrobenzene-d5	7.45	82	248994	31.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	66766	26.88	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	511548	39.11	ng	0.00
79) Terphenyl-d14	13.03	244	445627	30.39	ng	0.00

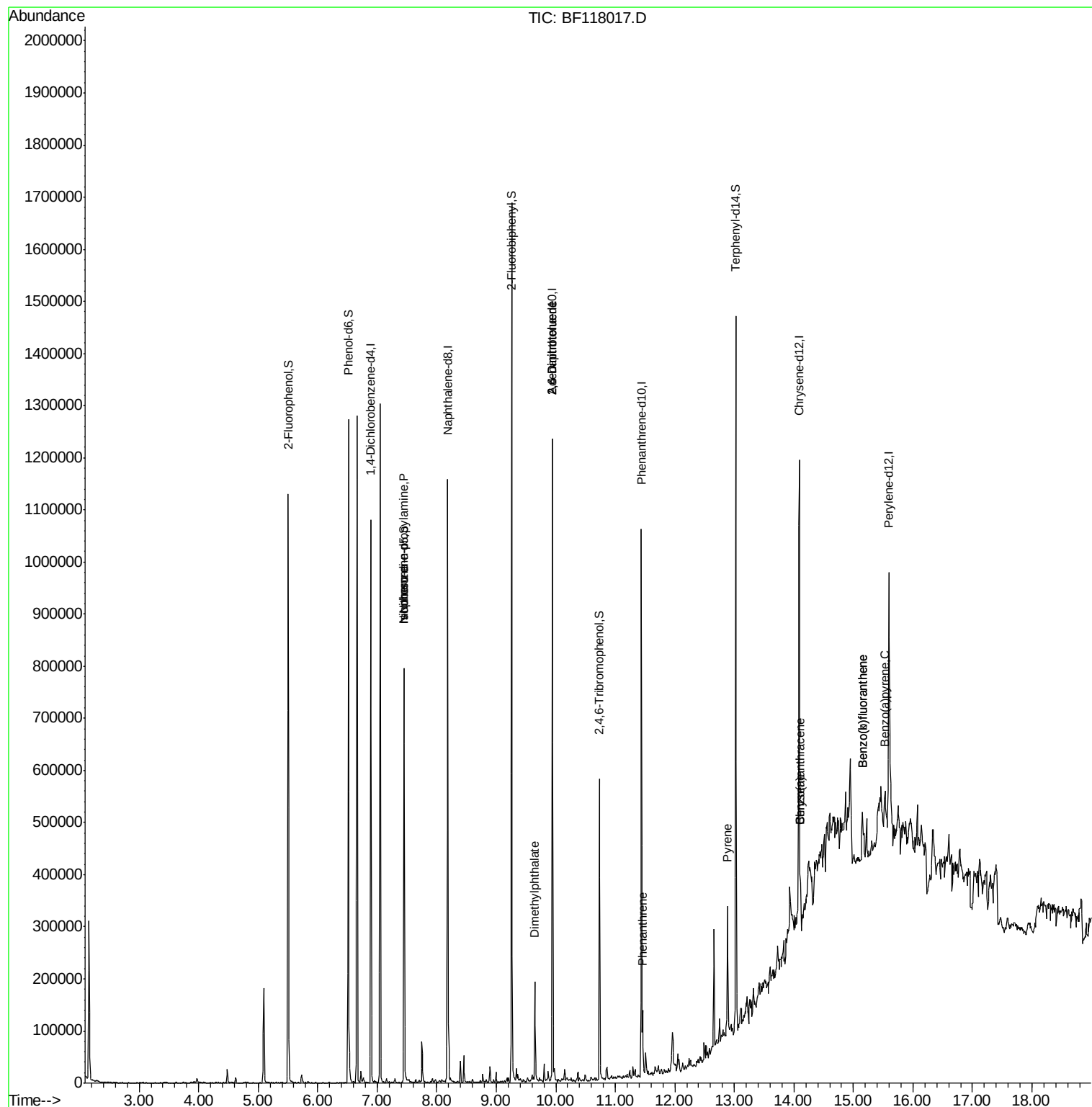
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	622	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	32456	5.211 ng	#	76
25) Isophorone	7.45	82	248993	16.959 ng	#	62
50) Dimethylphthalate	9.65	163	71451	4.342 ng		98
51) 2,6-Dinitrotoluene	9.95	165	30910	8.595 ng	#	23
57) 2,4-Dinitrotoluene	9.95	165	30910	6.757 ng	#	24
71) Phenanthrene	11.46	178	42647	2.398 ng		96
75) Fluoranthene	12.66	202	83760	Below Cal		99
78) Pyrene	12.89	202	90768	4.191 ng		98
81) Benzo(a)anthracene	14.12	228	50296	2.840 ng		93
83) Chrysene	14.12	228	50296	2.931 ng		98
88) Benzo(b)fluoranthene	15.15	252	59867	4.390 ng	#	87
89) Benzo(k)fluoranthene	15.15	252	59867	4.660 ng	#	86
90) Benzo(a)pyrene	15.53	252	33811	2.820 ng	#	84

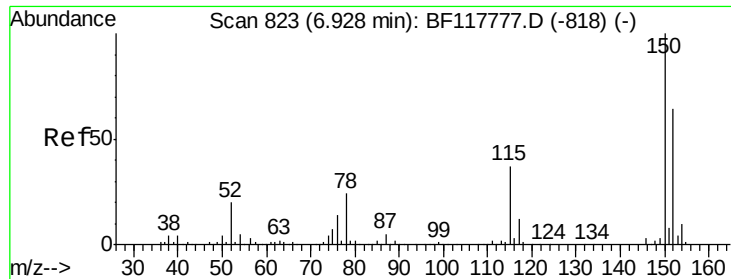
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118017.D
Acq On : 26 Nov 2019 19:52
Operator : JU
Sample : K5959-06 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Nov 27 00:46:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration



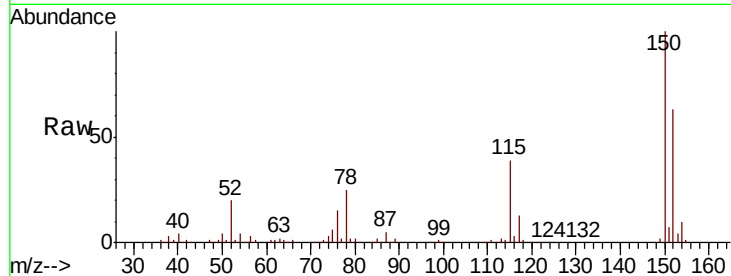


#1

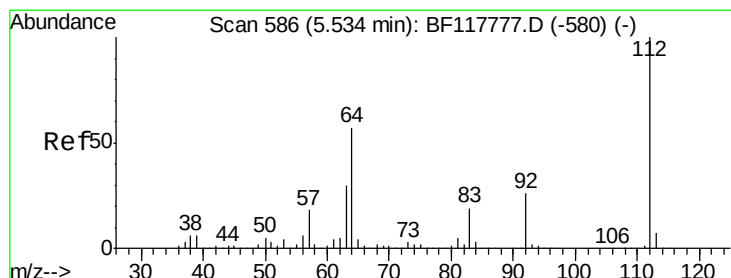
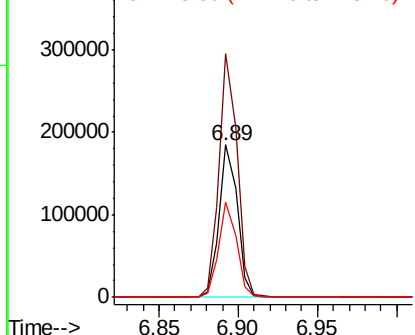
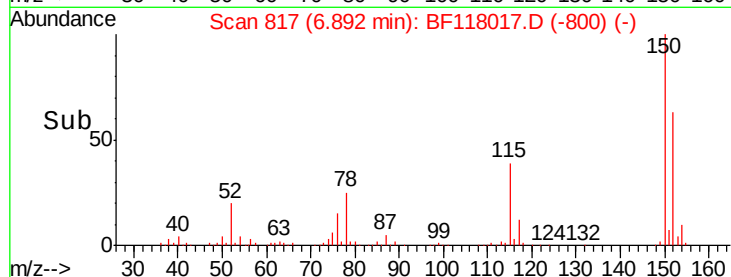
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148170
Ion Ratio Lower Upper
152 100
150 159.9 125.3 187.9
115 62.5 47.0 70.4



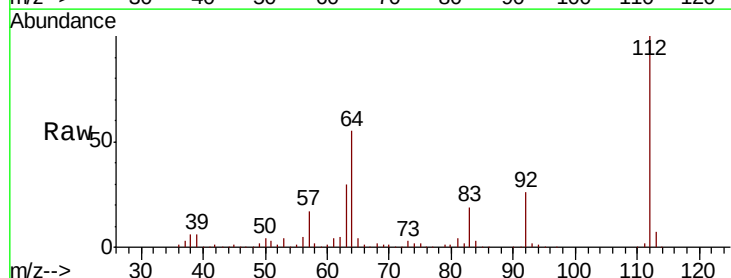
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



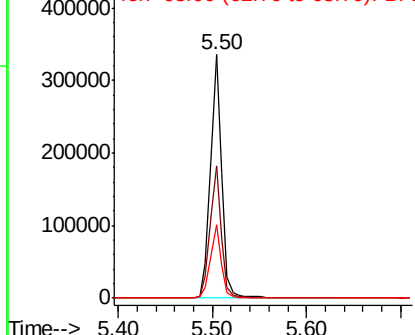
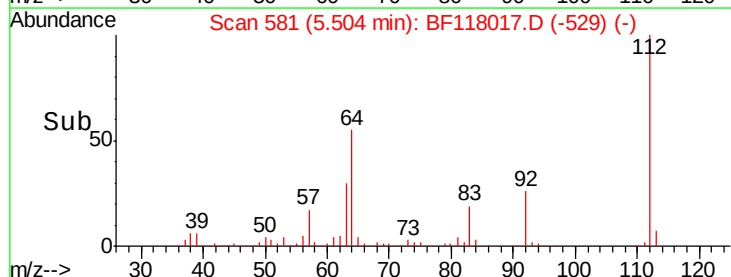
#5

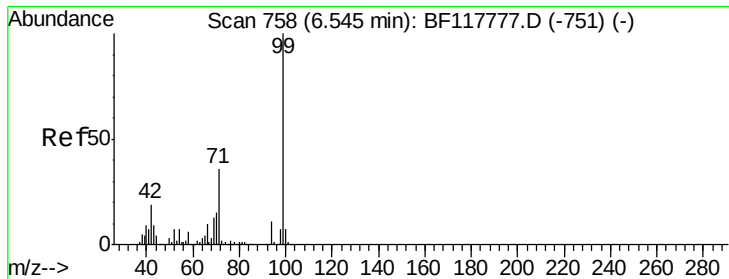
2-Fluorophenol
Concen: 34.644 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion:112 Resp: 289993
Ion Ratio Lower Upper
112 100
64 54.5 45.6 68.4
63 29.9 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: 38.178 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampleId :

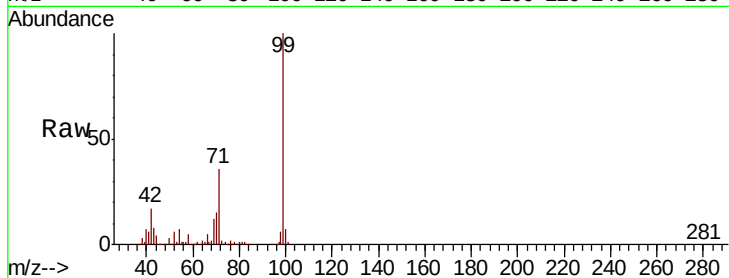
Tot Ion: 99 Resp: 385459

Ion Ratio Lower Upper

99 100

42 16.9 14.9 22.3

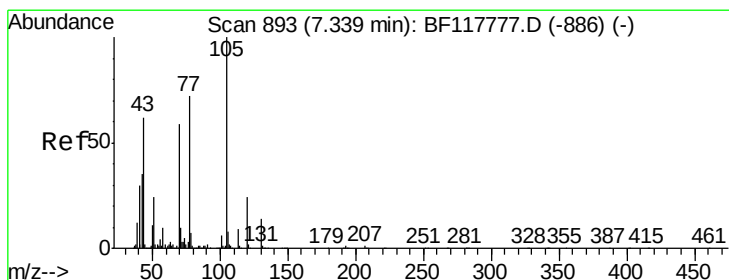
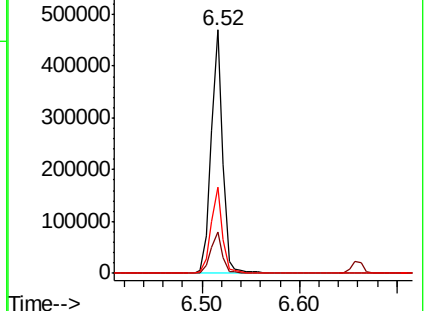
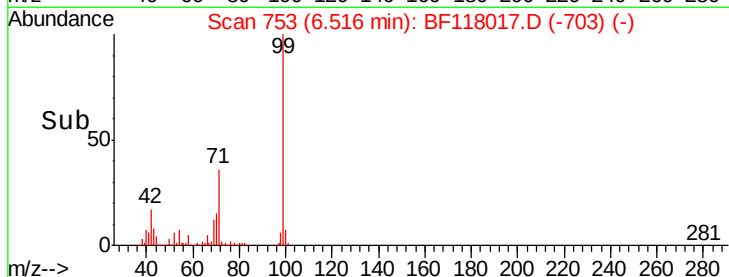
71 35.6 28.6 43.0



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: 5.211 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Tgt Ion: 70 Resp: 32456

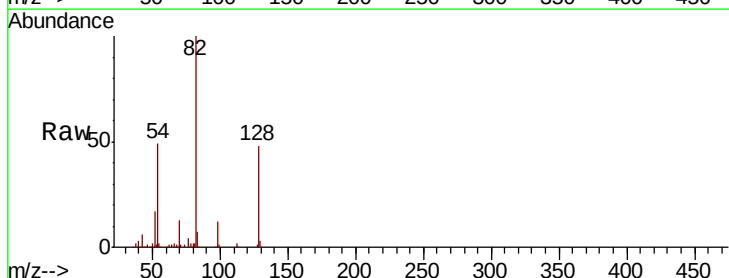
Ion Ratio Lower Upper

70 100

42 48.0 47.4 71.2

101 0.0 8.4 12.6#

130 2.1 18.8 28.2#

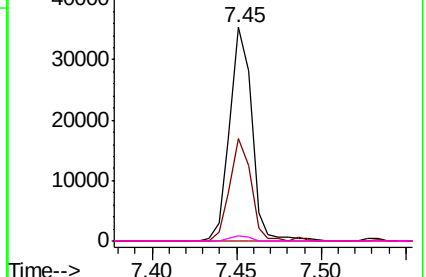
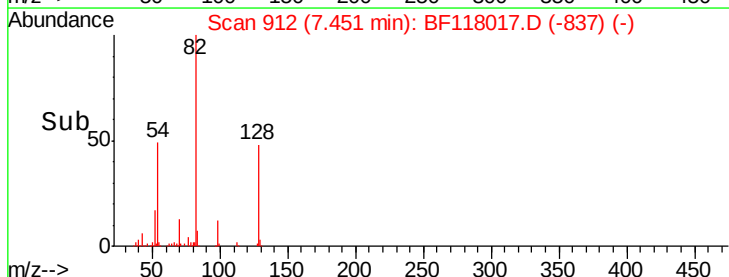


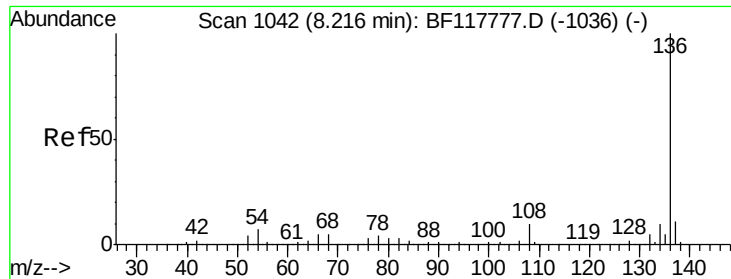
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

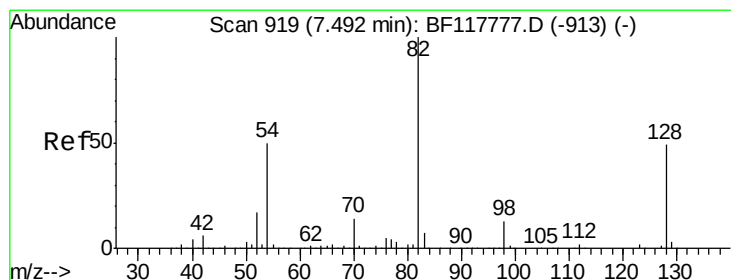
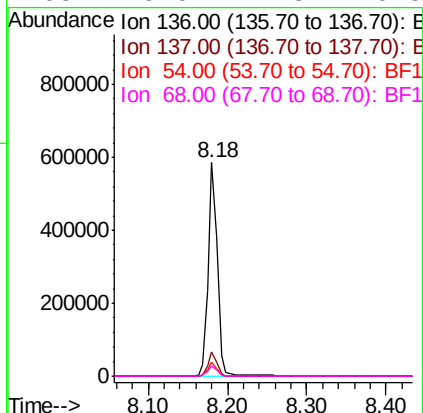
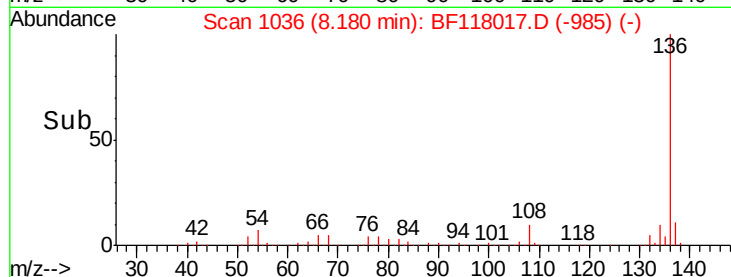
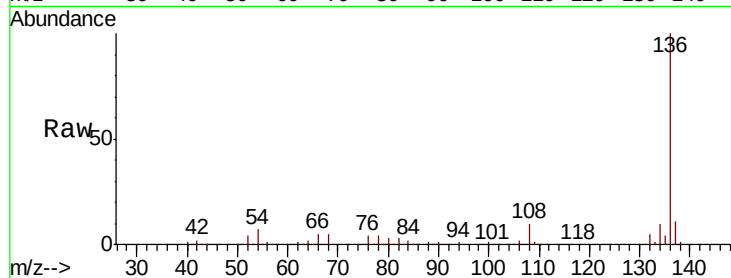




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

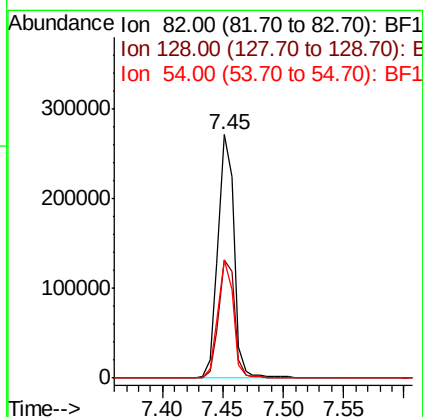
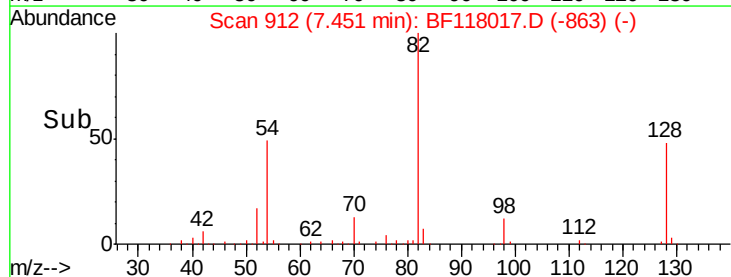
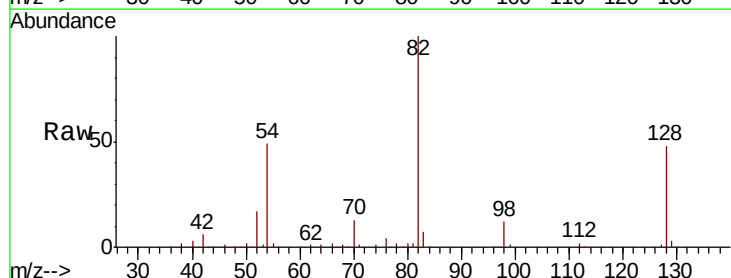
Instrument :
BNA_F
ClientSampleId :

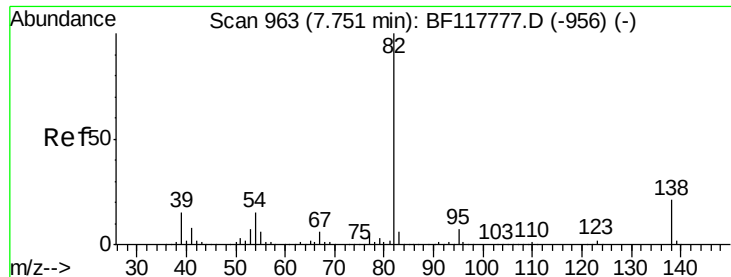
Tot Ion:136	Resp:	476182
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	6.7	5.4 8.2
68	5.0	4.3 6.5



#23
Nitrobenzene-d5
Concen: 31.084 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion: 82	Resp:	248994
Ion Ratio	Lower	Upper
82	100	
128	48.5	38.9 58.3
54	48.7	39.8 59.6





#25

Isophorone

Concen: 16.959 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampleId :

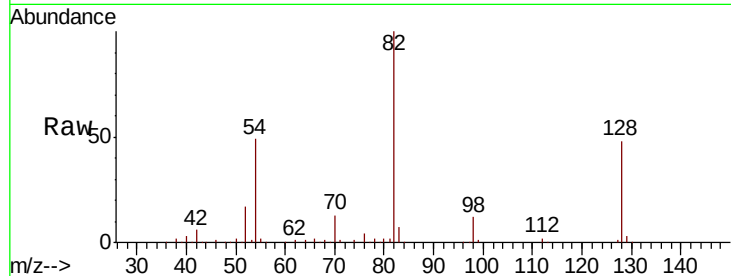
Tot Ion: 82 Resp: 248993

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

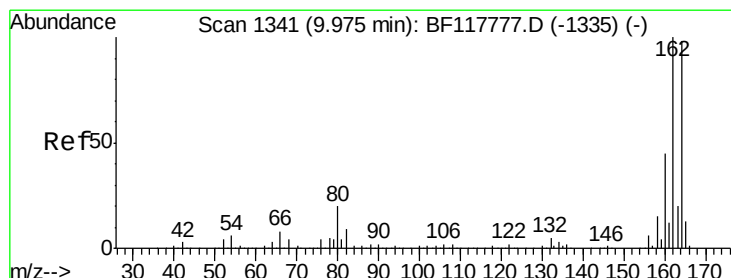
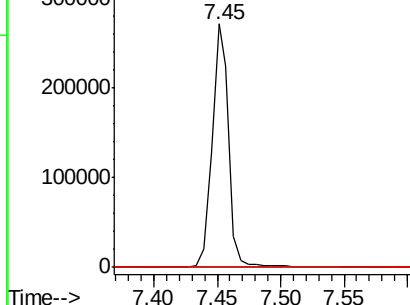
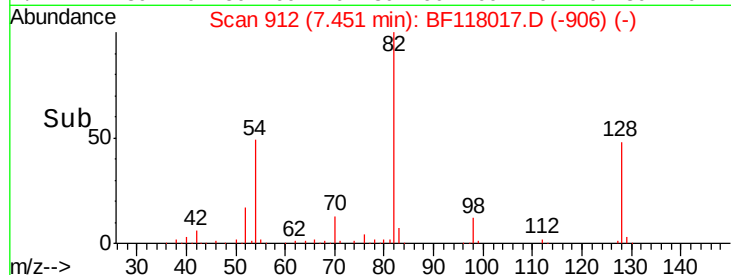
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF118017.D (-906) (-)

Ion 95.00 (94.70 to 95.70): BF118017.D (-906) (-)

Ion 138.00 (137.70 to 138.70): BF118017.D (-906) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

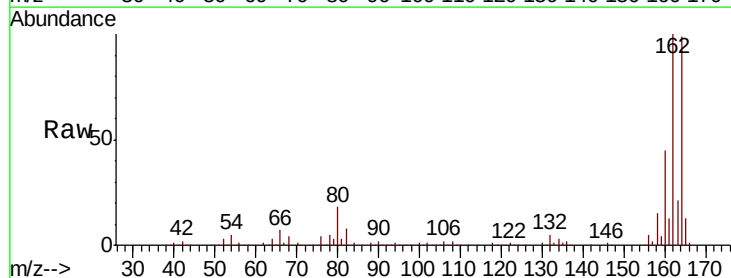
Tgt Ion: 164 Resp: 234651

Ion Ratio Lower Upper

164 100

162 100.7 81.3 121.9

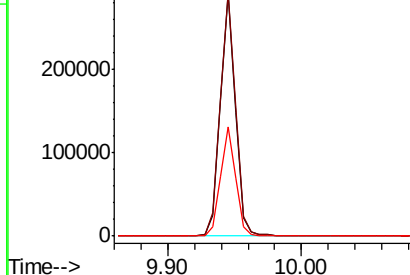
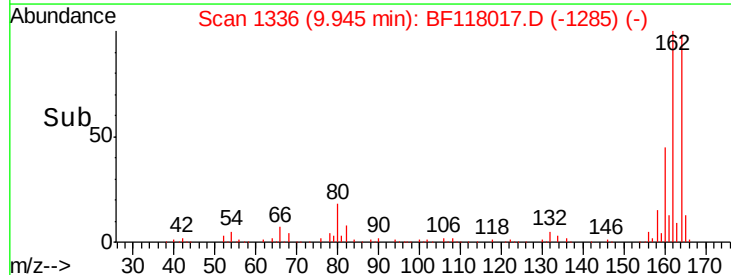
160 44.9 36.6 55.0

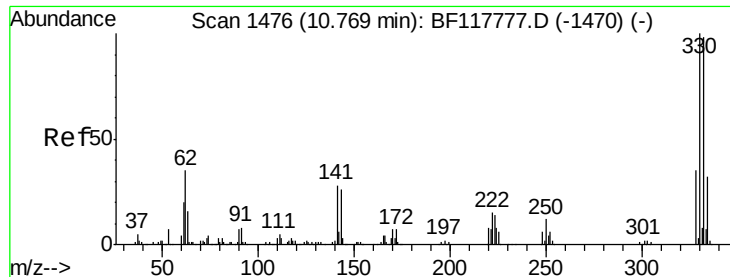


Abundance Ion 164.00 (163.70 to 164.70): BF118017.D (-1285) (-)

Ion 162.00 (161.70 to 162.70): BF118017.D (-1285) (-)

Ion 160.00 (159.70 to 160.70): BF118017.D (-1285) (-)





#42

2,4,6-Tribromophenol

Concen: 26.876 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampled :

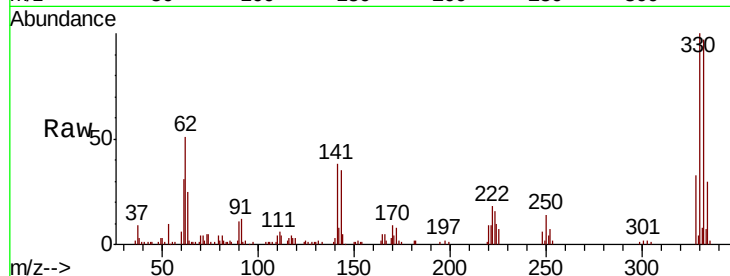
Tot Ion:330 Resp: 66766

Ion Ratio Lower Upper

330 100

332 99.1 76.7 115.1

141 34.3 27.7 41.5

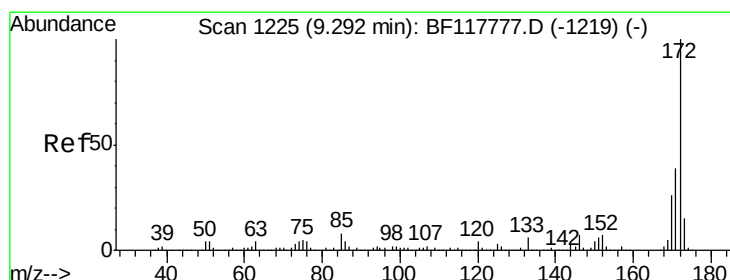
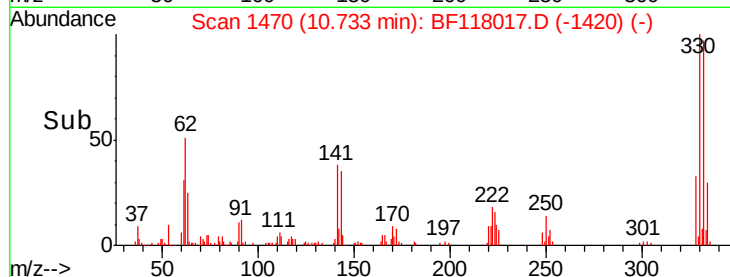
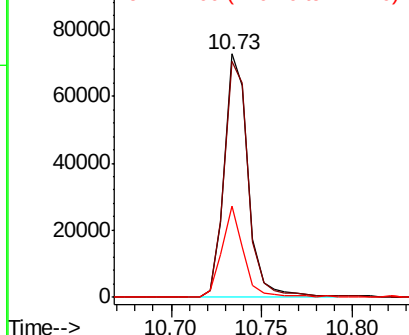


Abundance

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



#45

2-Fluorobiphenyl

Concen: 39.111 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

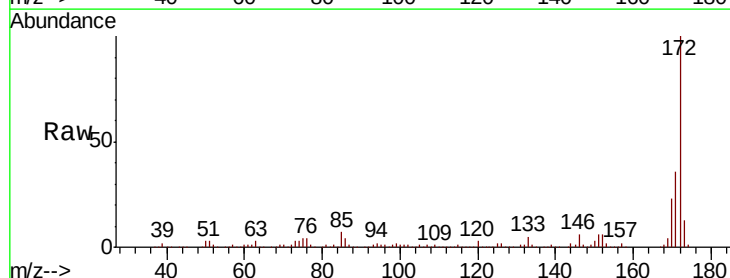
Tgt Ion:172 Resp: 511548

Ion Ratio Lower Upper

172 100

171 35.5 30.9 46.3

170 23.3 21.0 31.4

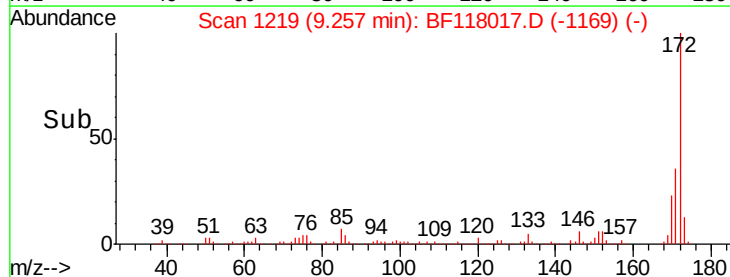
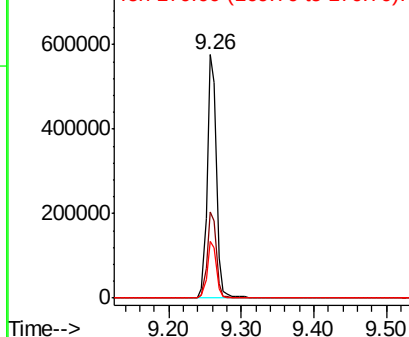


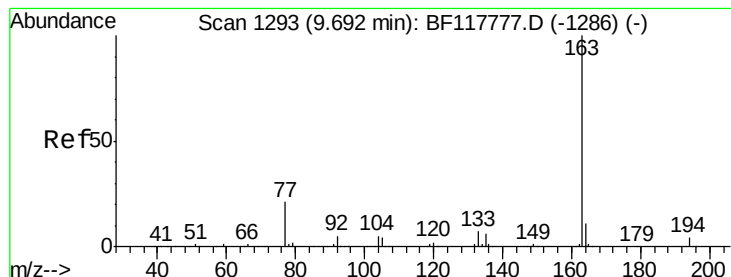
Abundance

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: 4.342 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampleId :

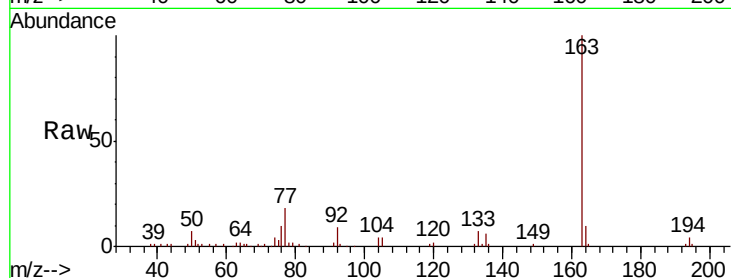
Tot Ion:163 Resp: 71451

Ion Ratio Lower Upper

163 100

194 3.6 3.3 4.9

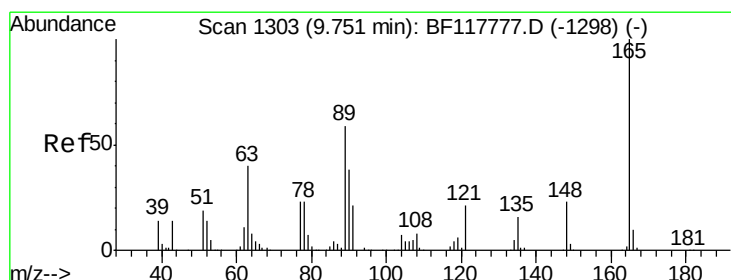
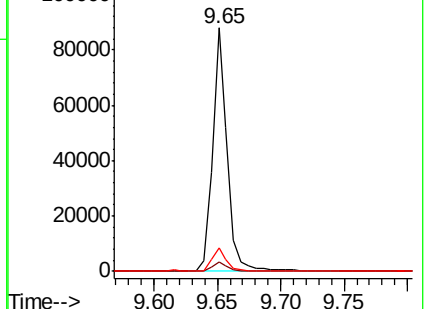
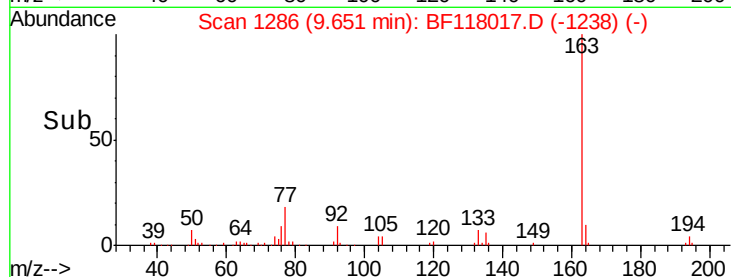
164 9.9 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 8.595 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.22 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

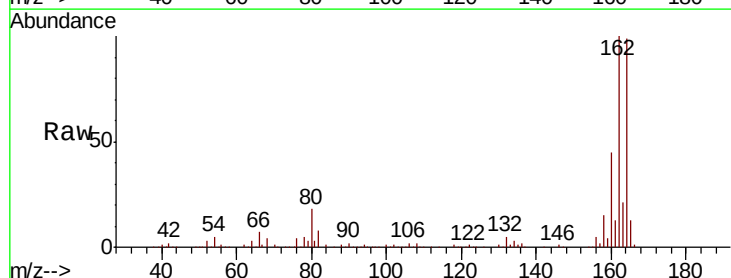
Tgt Ion:165 Resp: 30910

Ion Ratio Lower Upper

165 100

63 1.2 46.0 69.0#

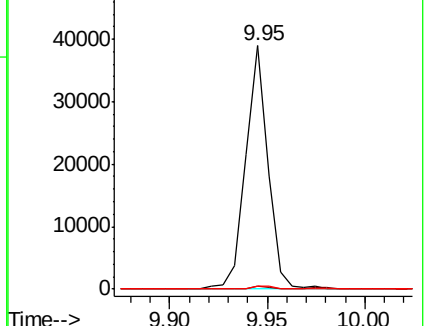
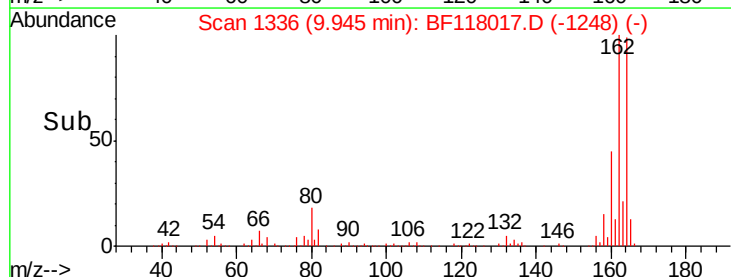
89 1.2 47.7 71.5#

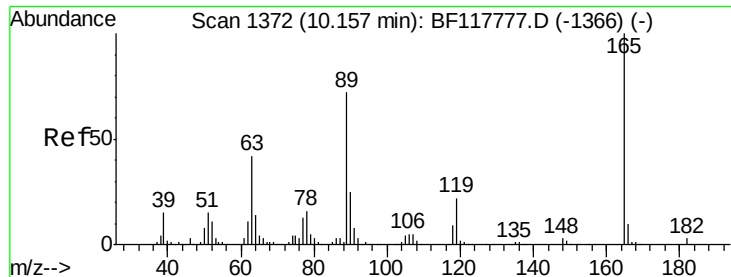


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

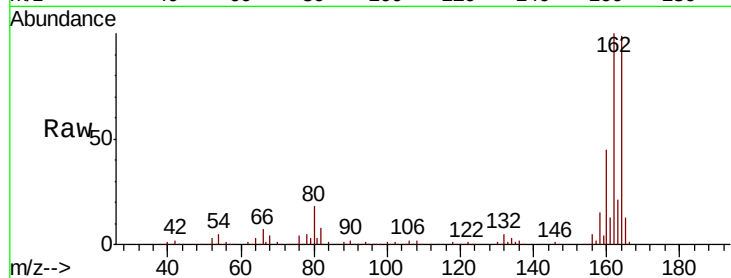




#57
2,4-Dinitrotoluene
Concen: 6.757 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.19 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.7	50.5#
89	1.2	57.3	85.9#
182	0.0	2.3	3.5#



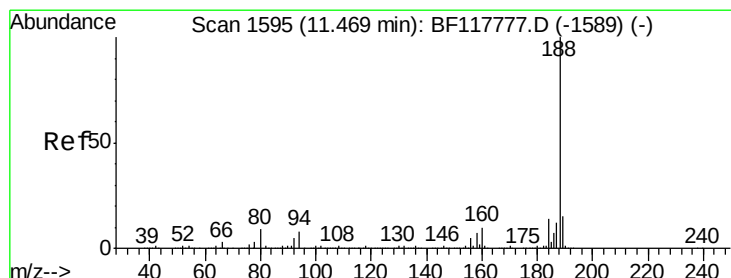
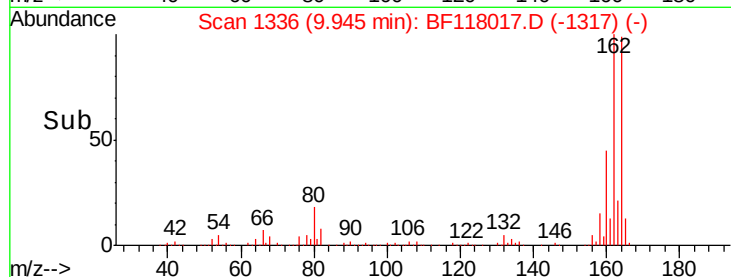
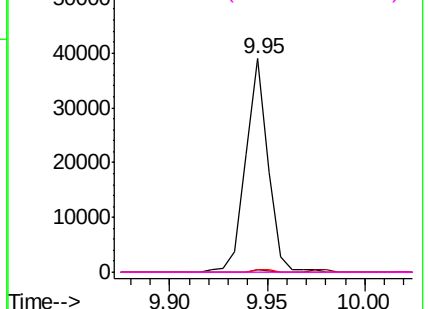
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

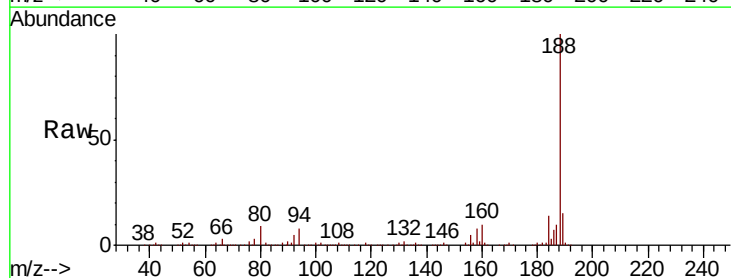
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	8.9	7.2	10.8

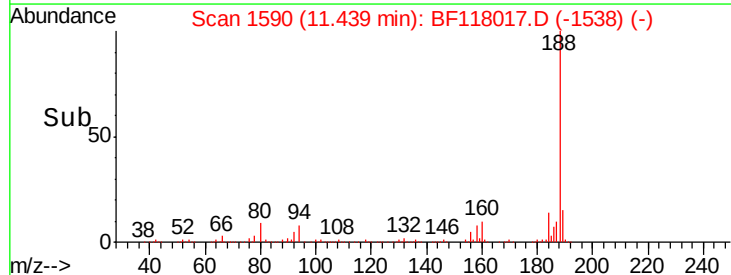
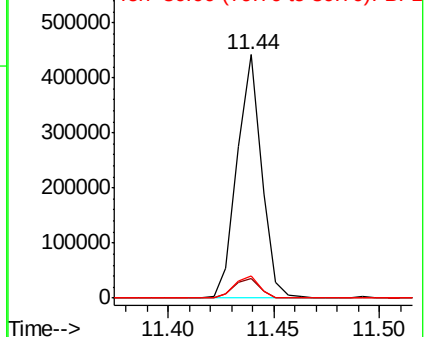


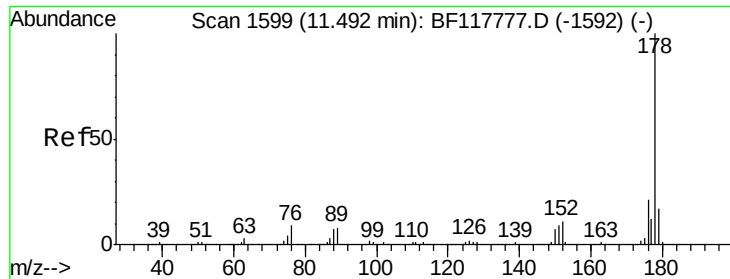
Abundance

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

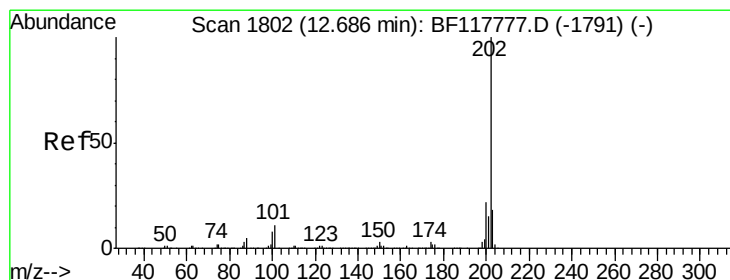
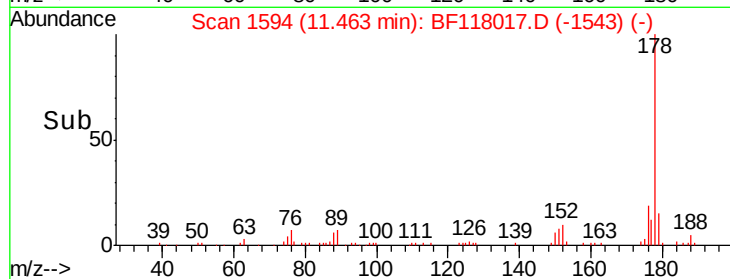
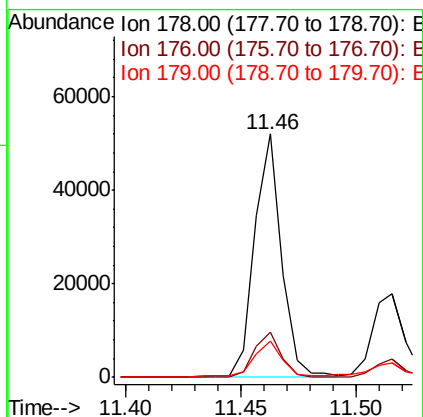
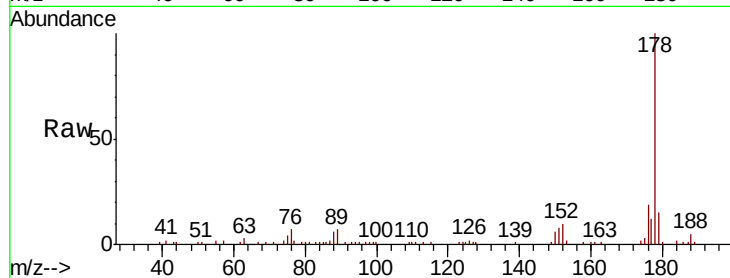




#71
Phenanthrene
Concen: 2.398 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

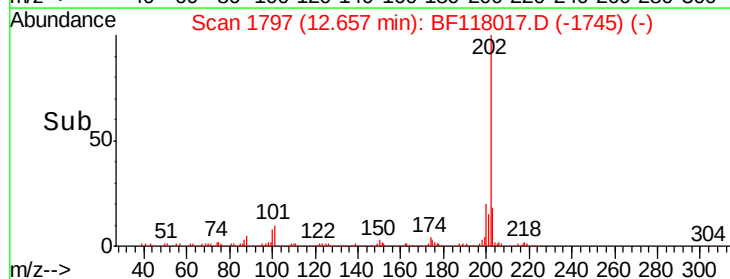
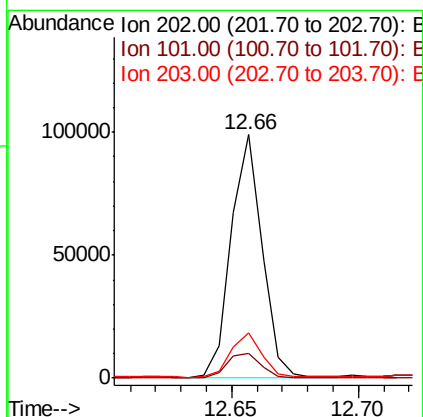
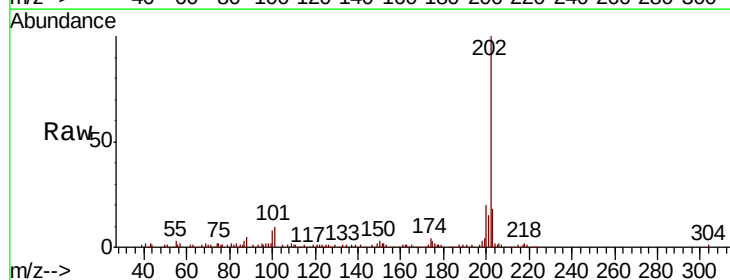
Instrument :
BNA_F
ClientSampleId :

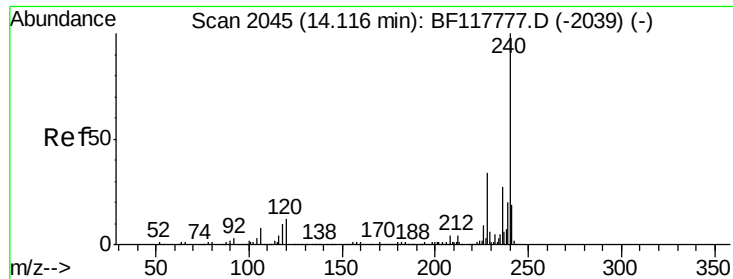
Tot Ion:178 Resp: 42647
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 14.8 13.2 19.8



#75
Fluoranthene
Concen: Below Cal
RT: 12.66 min Scan# 1797
Delta R.T. 0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion:202 Resp: 83760
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.1
203 18.4 0.0 38.2

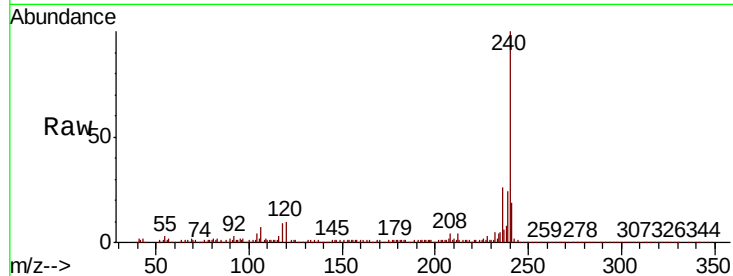




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.1	21.3	31.9

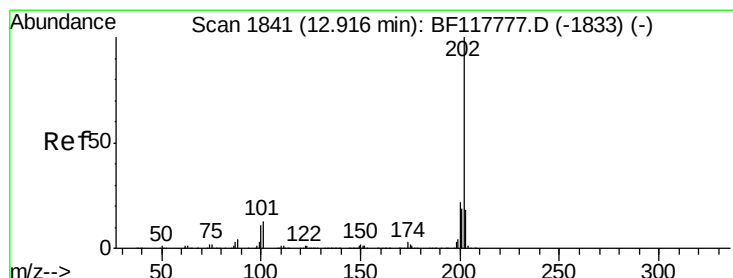
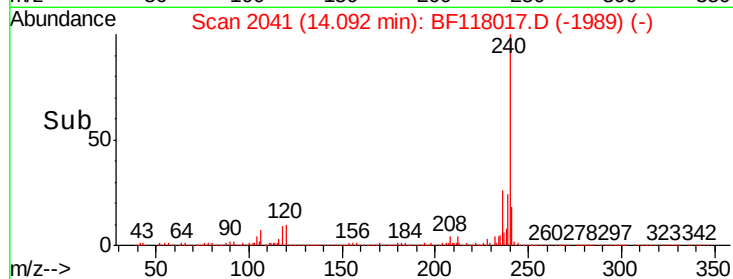
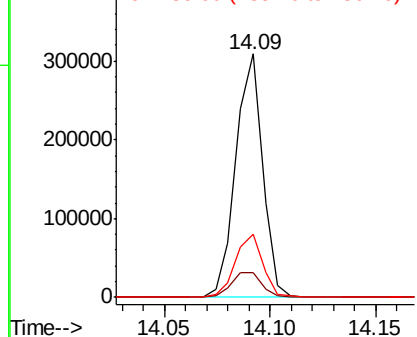


Abundance

Ion 240.00 (239.70 to 240.70): E

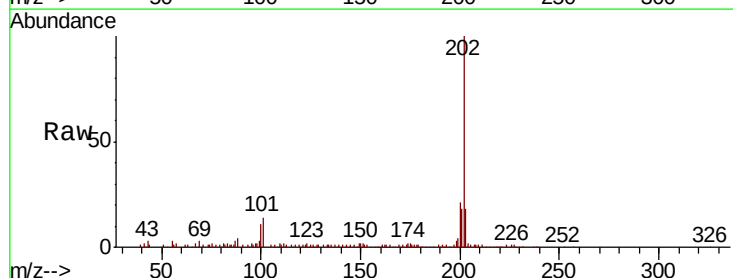
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 4.191 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.8
203	17.8	14.6	22.0

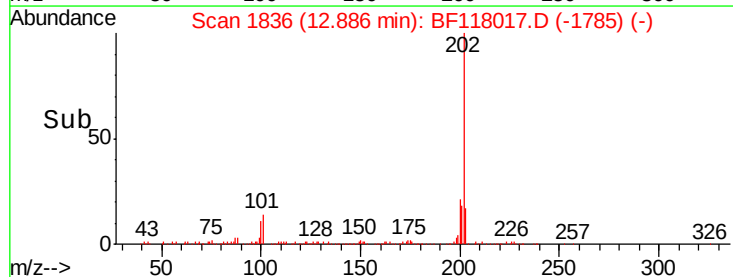
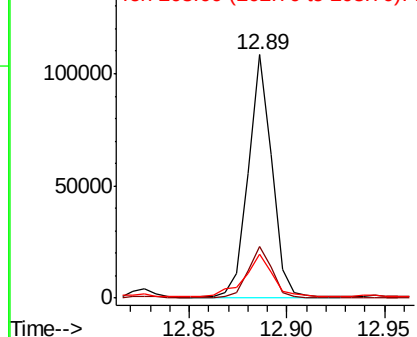


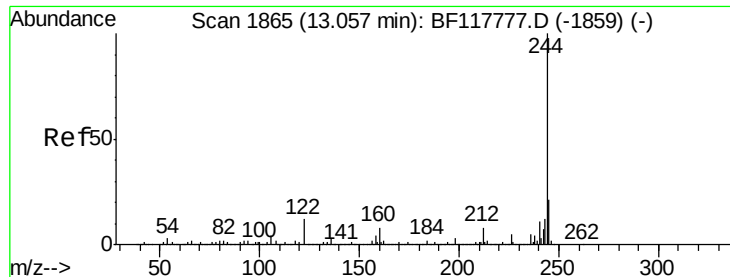
Abundance

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: 30.389 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.00 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampleId :

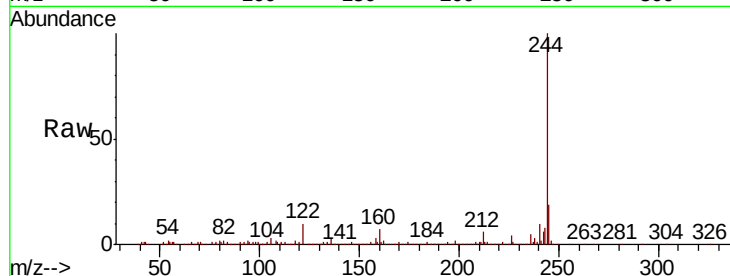
Tot Ion:244 Resp: 445627

Ion Ratio Lower Upper

244 100

212 6.5 6.3 9.5

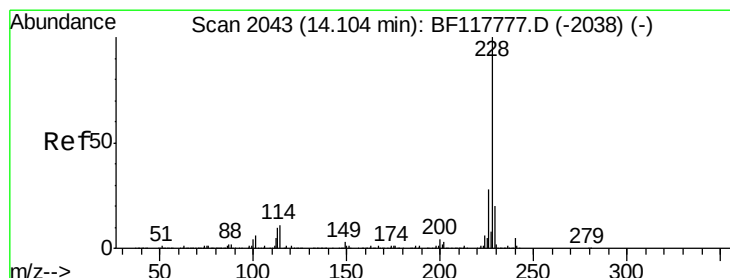
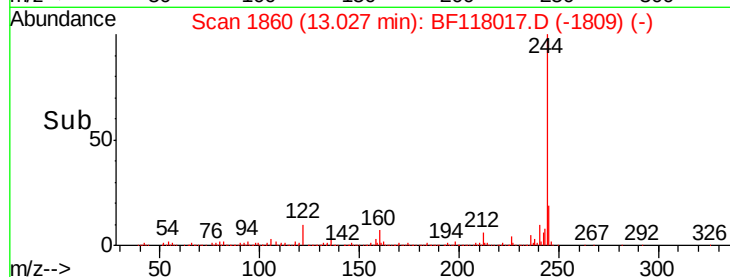
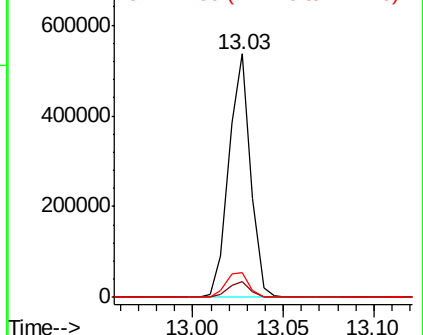
122 10.0 9.4 14.2



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: 2.840 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.04 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

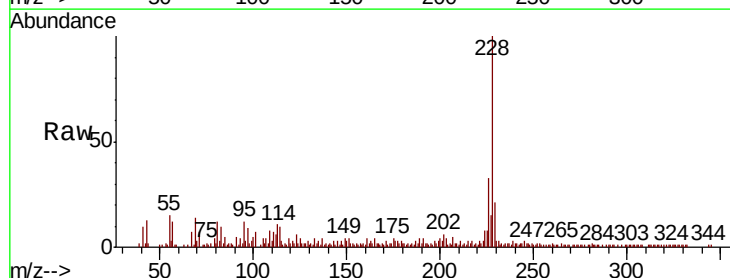
Tgt Ion:228 Resp: 50296

Ion Ratio Lower Upper

228 100

226 32.5 22.2 33.2

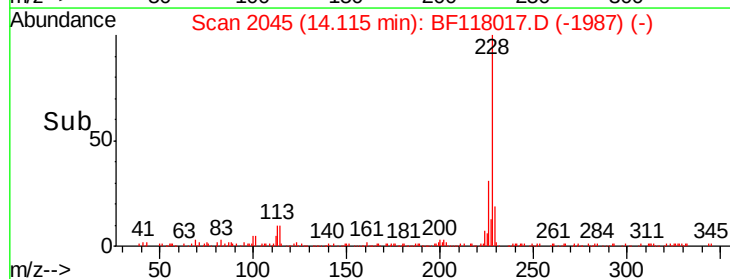
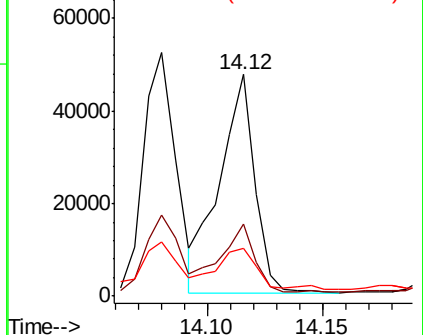
229 21.4 15.9 23.9

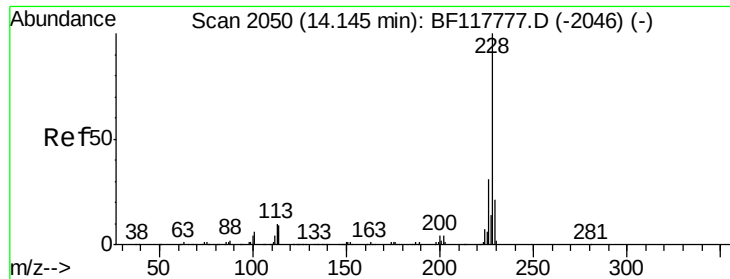


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

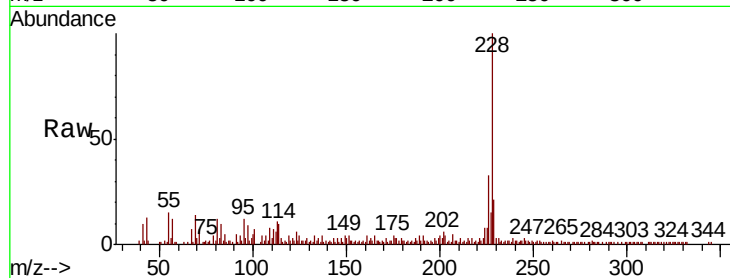




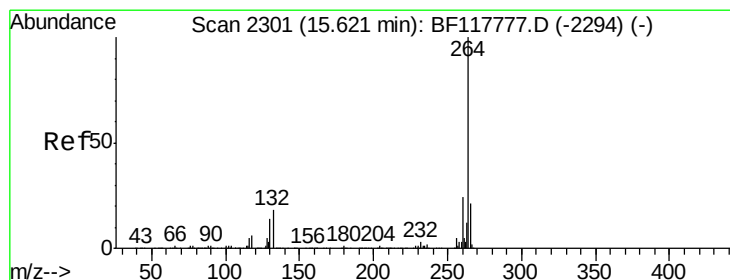
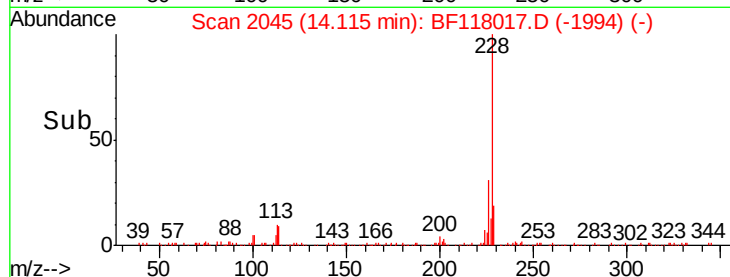
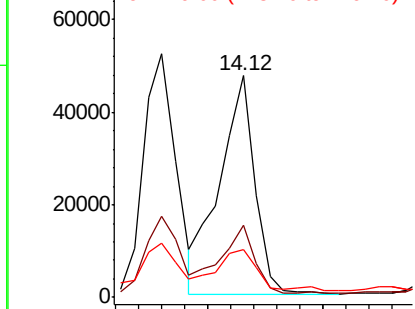
#83
Chrysene
Concen: 2.931 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot	Ion:228	Resp:	50296
Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.4
229	21.4	16.6	25.0

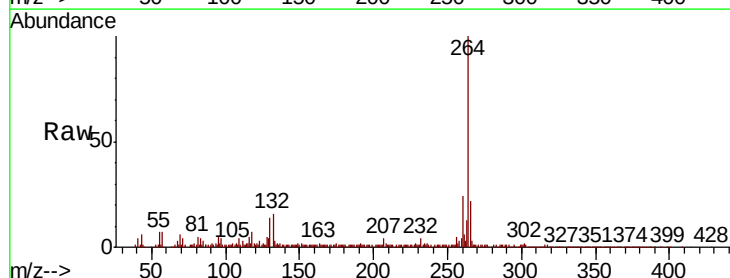


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

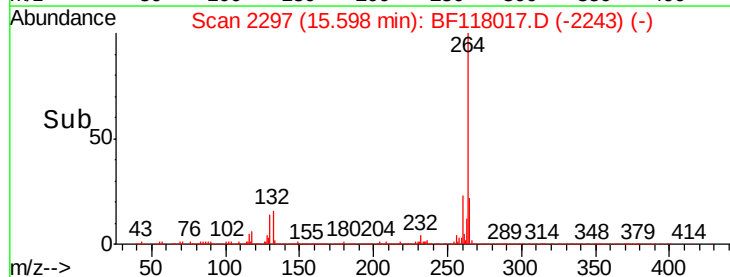
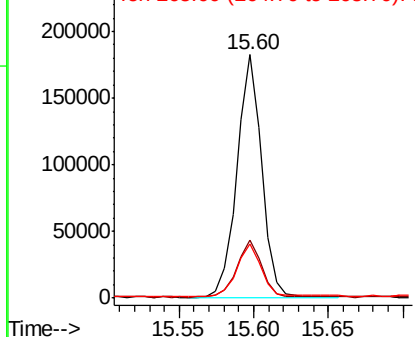


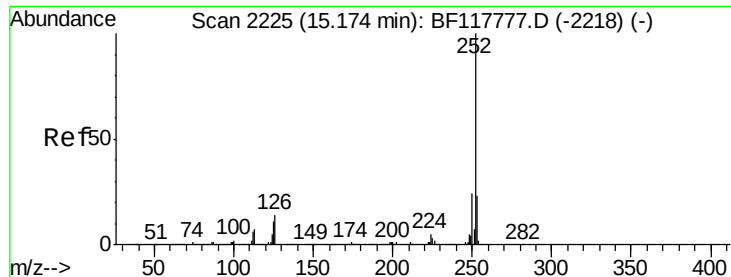
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.02 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt	Ion:264	Resp:	209875
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.1	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

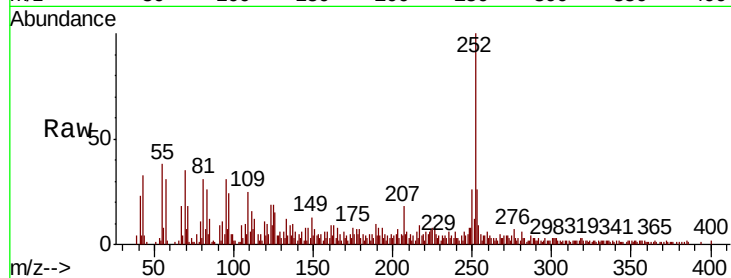




#88
Benzo(b)fluoranthene
Concen: 4.390 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	19.3	8.6	13.0

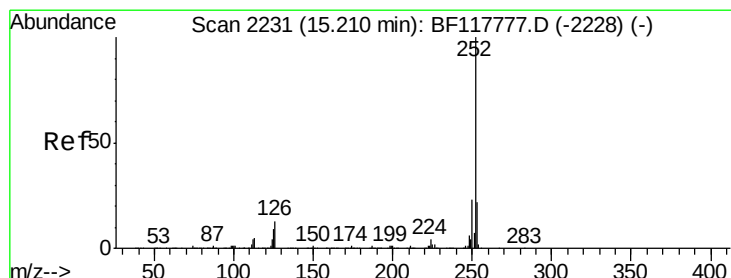
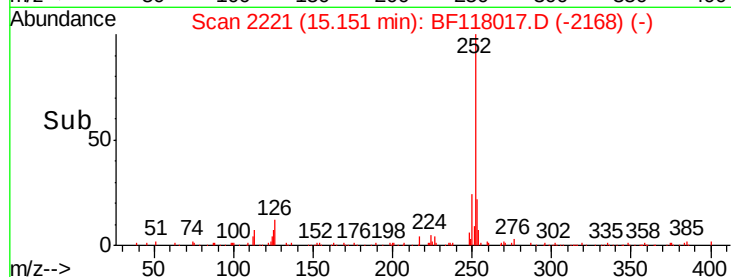
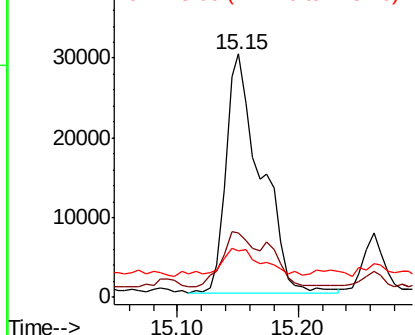


Abundance

Ion 252.00 (251.70 to 252.70): E

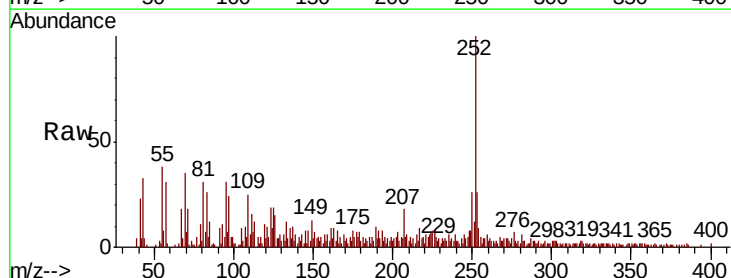
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.660 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF118017.D
Acq: 26 Nov 2019 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3
125	19.3	7.9	11.9

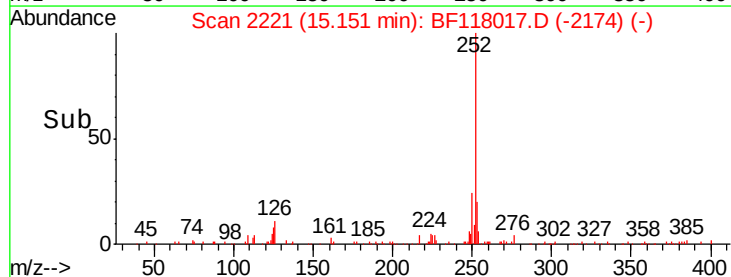
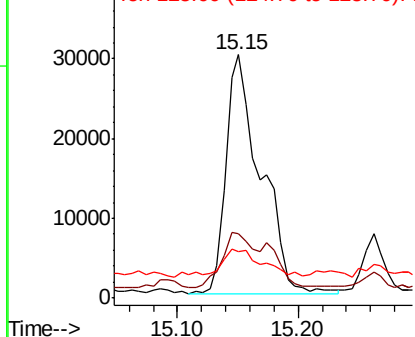


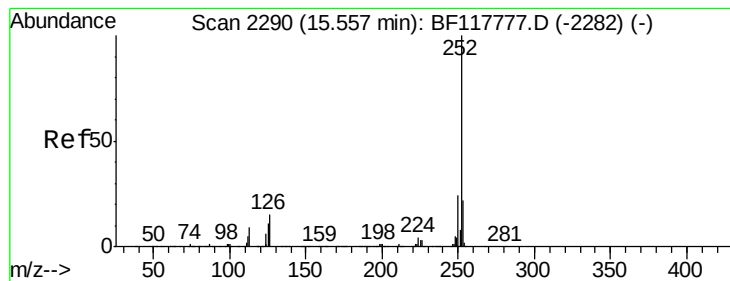
Abundance

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: 2.820 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF118017.D

Acq: 26 Nov 2019 19:52

Instrument :

BNA_F

ClientSampleId :

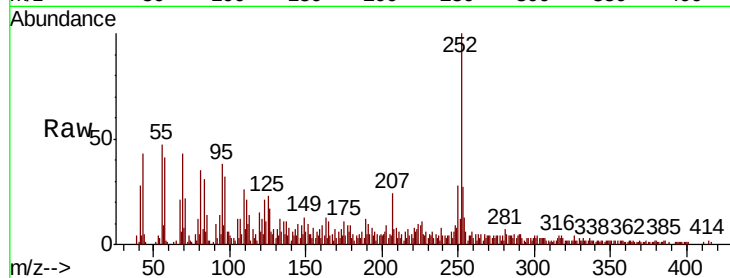
Tot Ion: 252 Resp: 33811

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.6#

125 22.6 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

