

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118063.D
 Acq On : 3 Dec 2019 15:33
 Operator : JU
 Sample : K5675-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 16:00:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

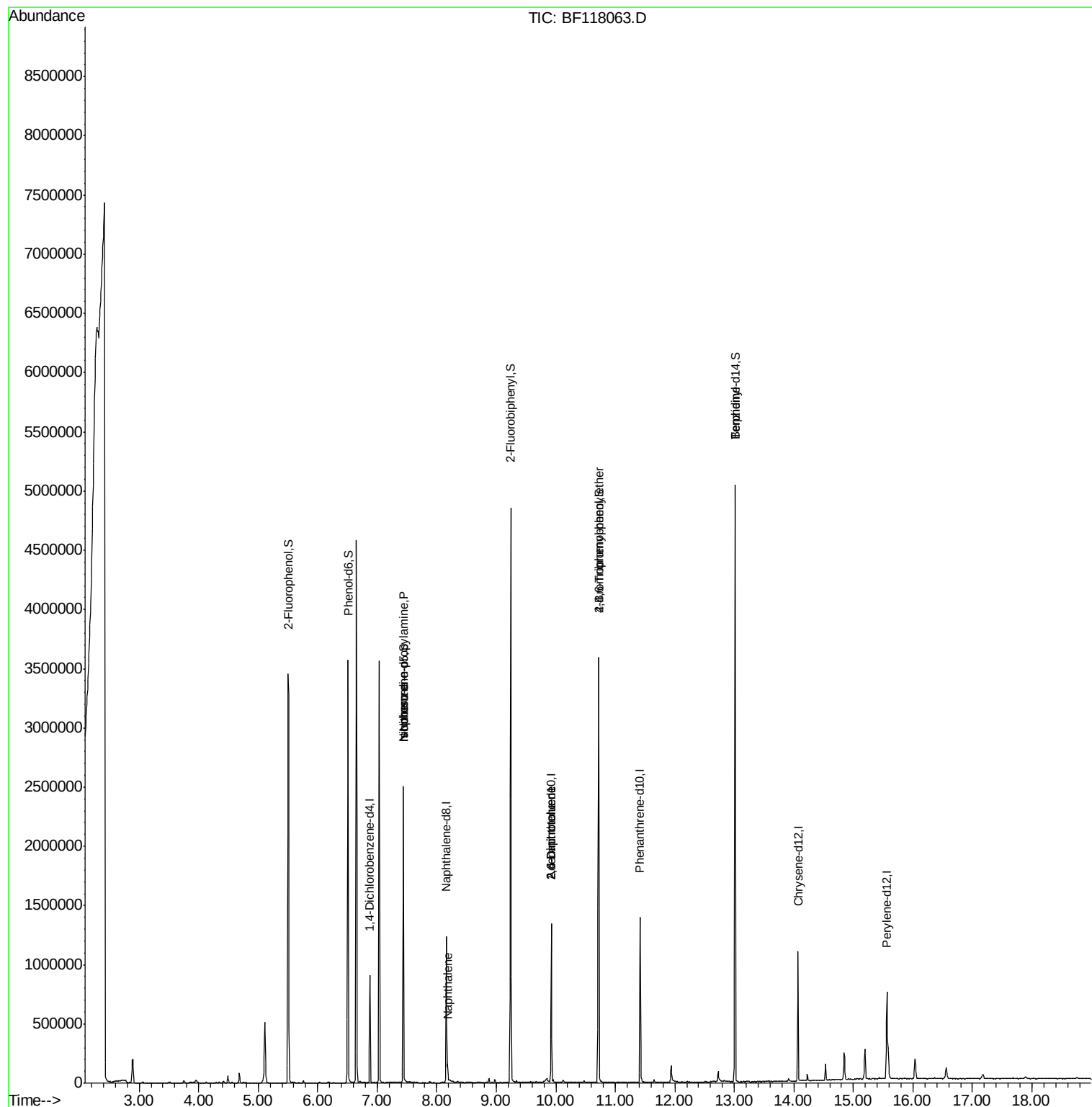
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	138199	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	545457	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	288883	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	528257	20.00	ng	0.00
76) Chrysene-d12	14.07	240	328456	20.00	ng	0.00
87) Perylene-d12	15.56	264	329271	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1095450	140.31	ng	0.02
7) Phenol-d6	6.51	99	1334014	141.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	850924	92.74	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	477637	156.17	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1640749	101.89	ng	0.00
79) Terphenyl-d14	13.02	244	1909822	106.27	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	2165	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	7.44	70	116410	20.038 ng	#	1
25) Isophorone	7.44	82	850910	50.596 ng	#	75
31) Naphthalene	8.18	128	60993	2.399 ng	#	63
51) 2,6-Dinitrotoluene	9.93	165	36985	8.354 ng	#	99
57) 2,4-Dinitrotoluene	9.93	165	36985	6.567 ng	#	25
67) 4-Bromophenyl-phenylether	10.72	248	30376	5.329 ng	#	32
75) Fluoranthene	12.64	202	2156	Below Cal	#	1
77) Benzdine	13.01	184	25761	2.394 ng	#	84
						91

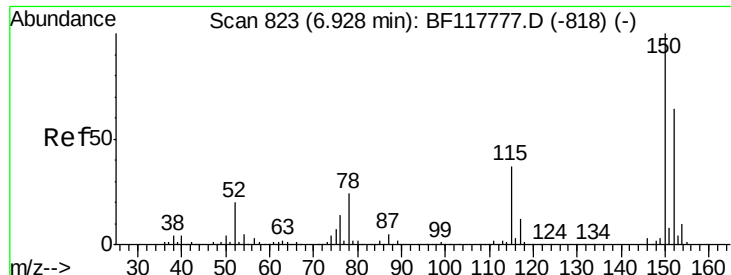
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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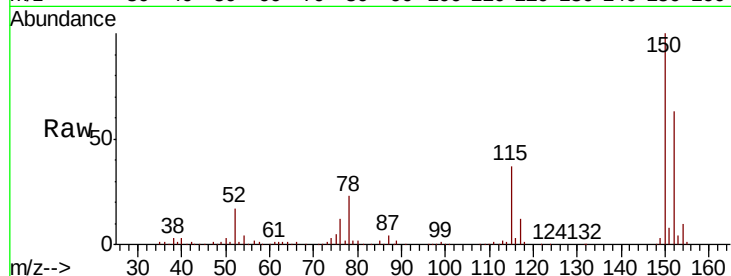


#1

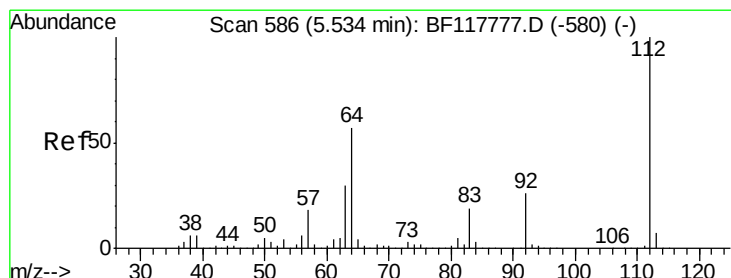
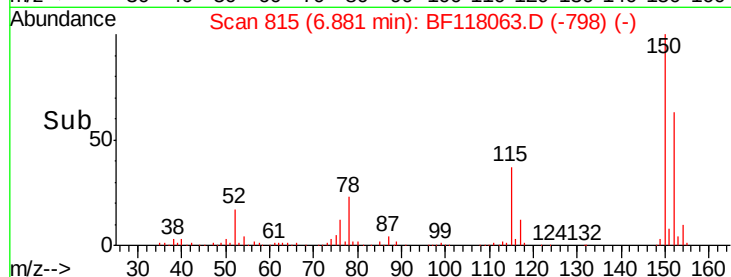
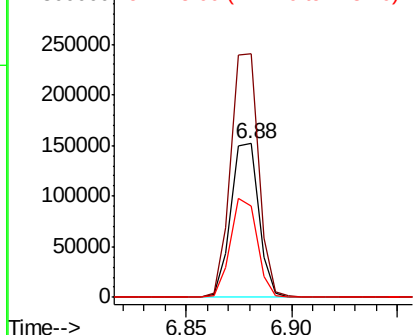
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138199
Ion Ratio Lower Upper
152 100
150 158.5 121.4 182.2
115 59.1 48.8 73.2



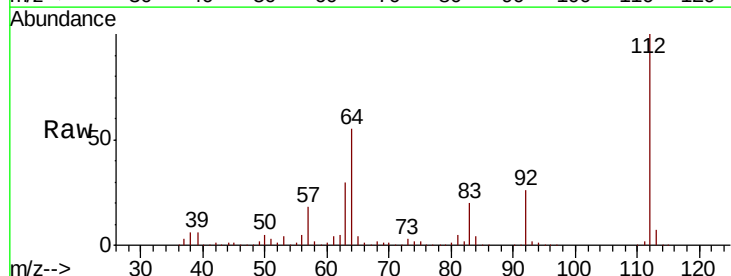
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



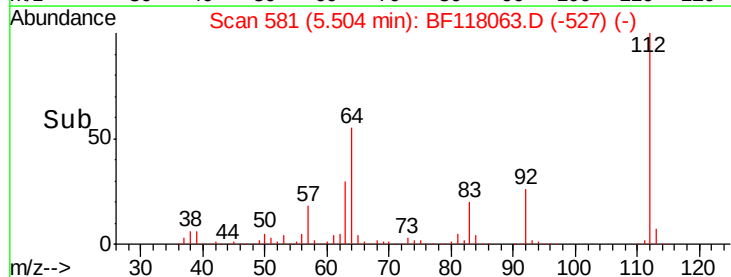
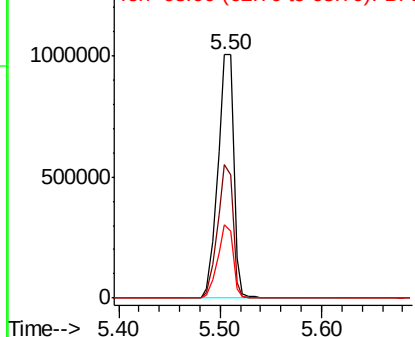
#5

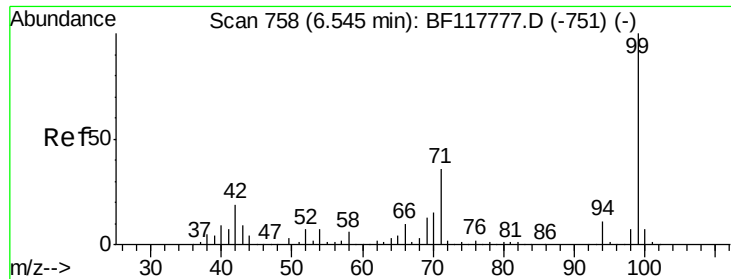
2-Fluorophenol
Concen: 140.309 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:112 Resp: 1095450
Ion Ratio Lower Upper
112 100
64 55.1 45.1 67.7
63 30.1 24.6 37.0



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: 141.661 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

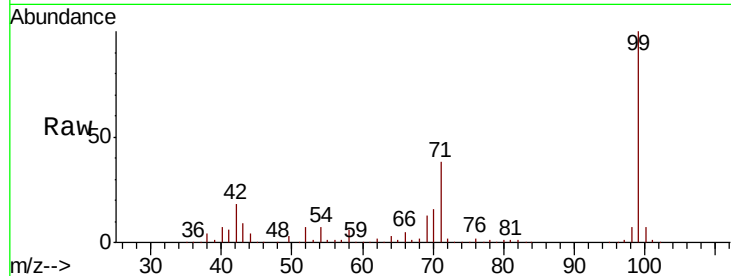
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1334014

Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.0	21.0
71	38.0	29.2	43.8

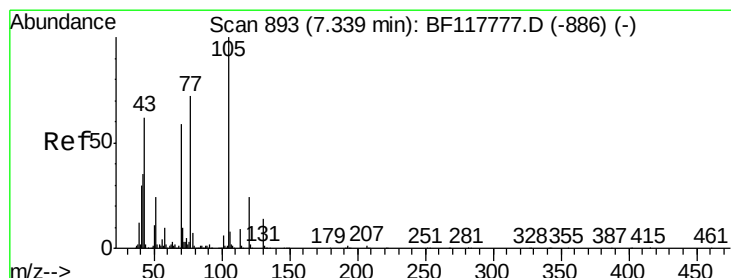
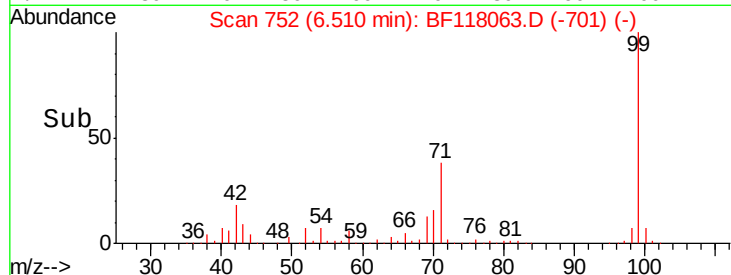
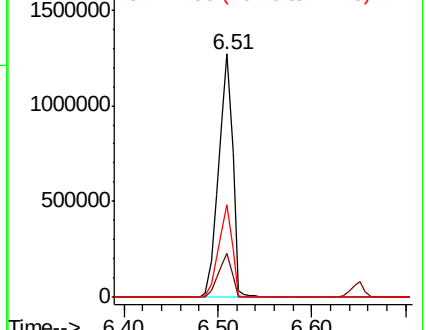


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 20.038 ng

RT: 7.44 min Scan# 910

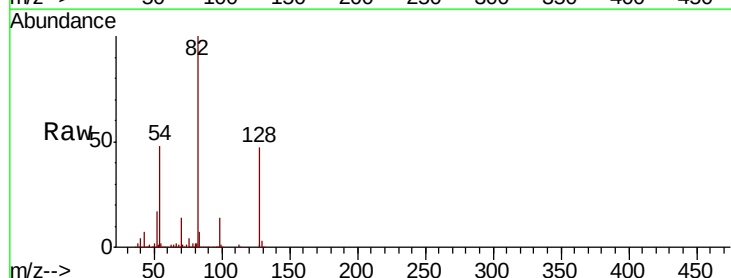
Delta R.T. 0.15 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

Tgt Ion: 70 Resp: 116410

Ion	Ratio	Lower	Upper
70	100		
42	46.2	46.0	69.0
101	0.0	8.8	13.2#
130	2.2	19.8	29.6#



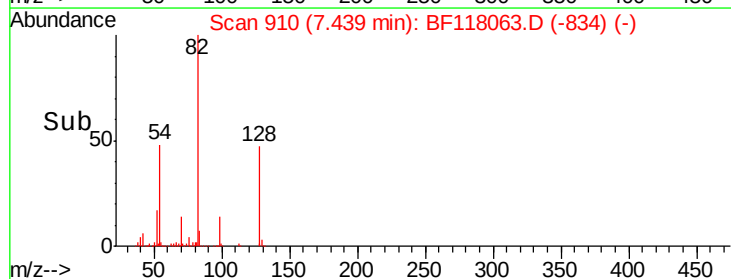
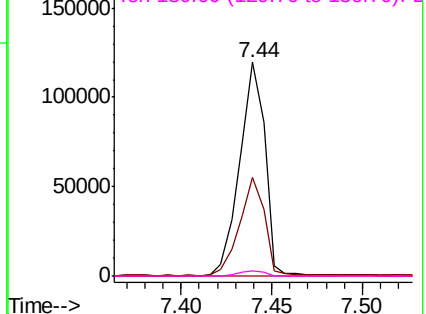
Abundance

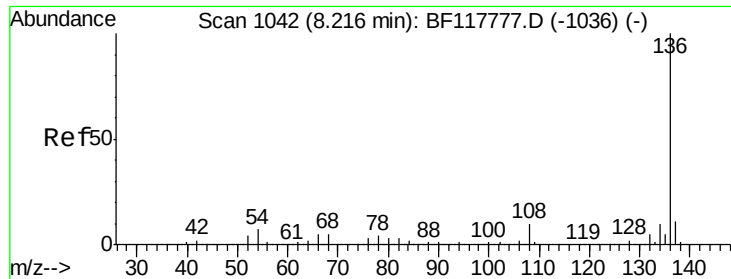
Ion 70.00 (69.70 to 70.70): BF1

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

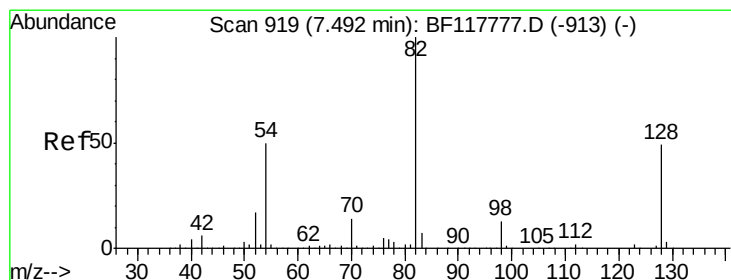
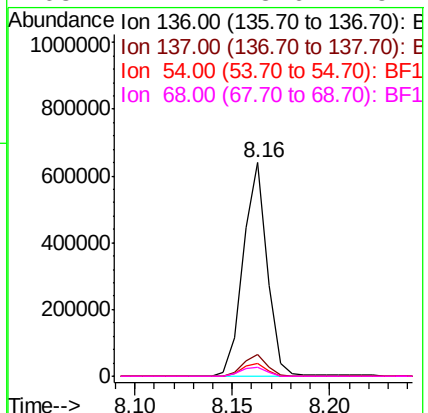
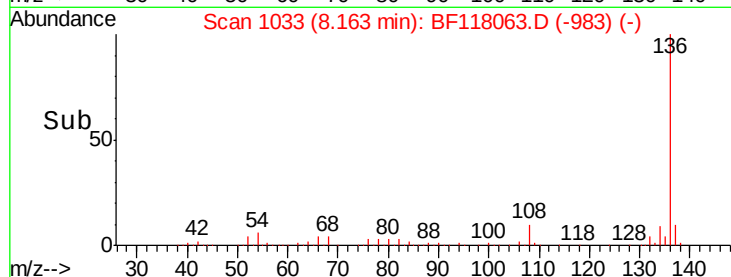
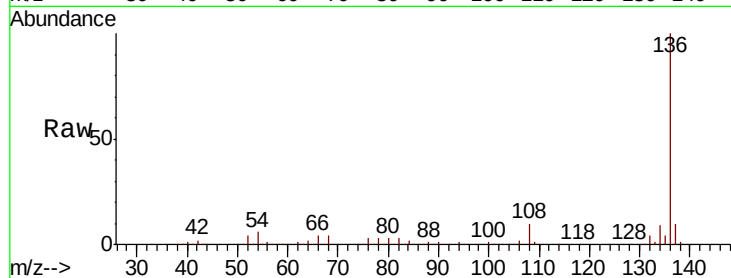




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

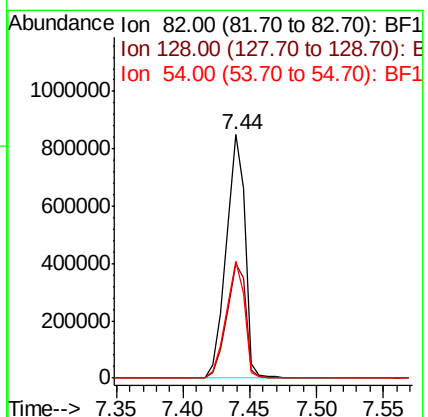
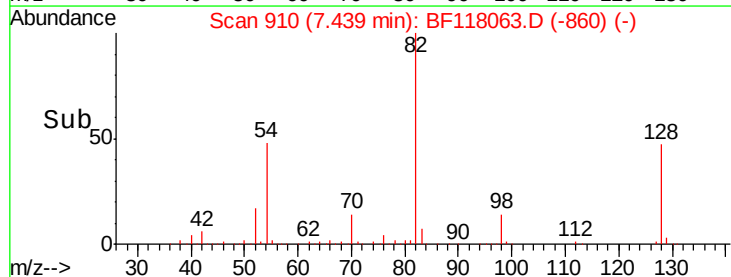
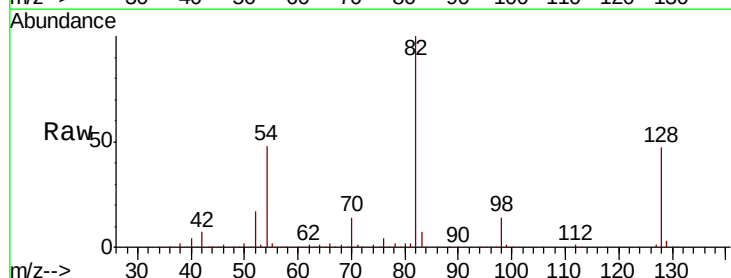
Instrument :
BNA_F
ClientSampleId :

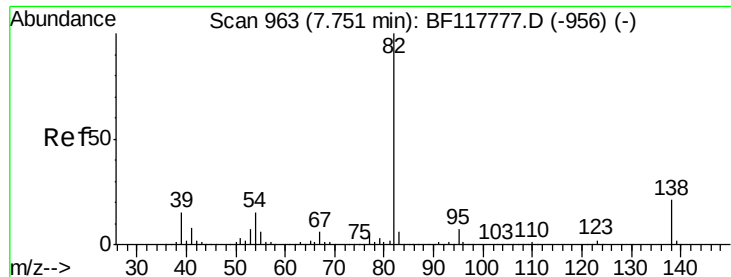
Tot Ion:	136	Resp:	545457
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	6.0	4.9	7.3
68	4.4	3.6	5.4



#23
Nitrobenzene-d5
Concen: 92.737 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:	82	Resp:	850924
Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.2	57.4
54	48.0	39.0	58.4





#25

Isophorone

Concen: 50.596 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

Instrument :

BNA_F

ClientSampleId :

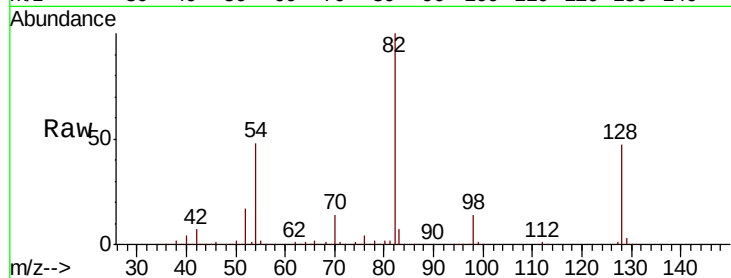
Tot Ion: 82 Resp: 850910

Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.2#

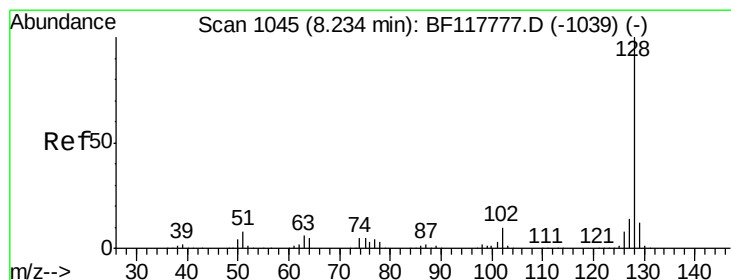
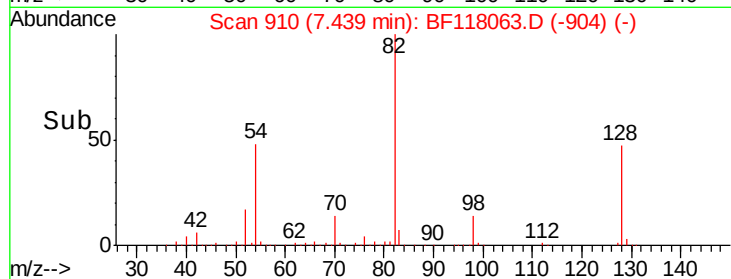
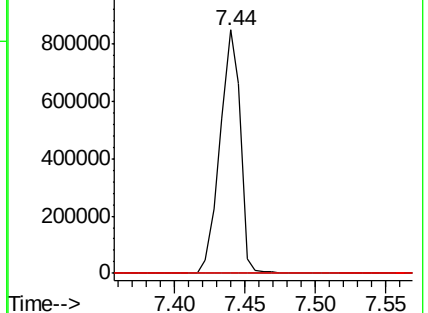
138 0.0 15.9 23.9#



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: 2.399 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

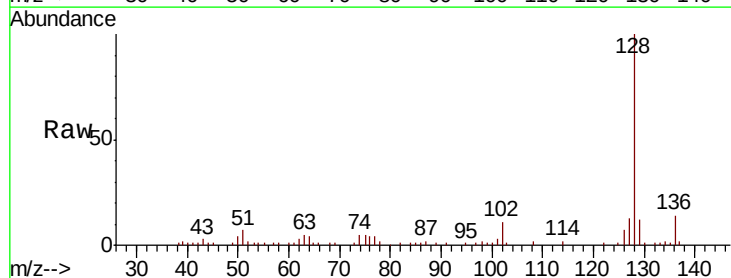
Tgt Ion: 128 Resp: 60993

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

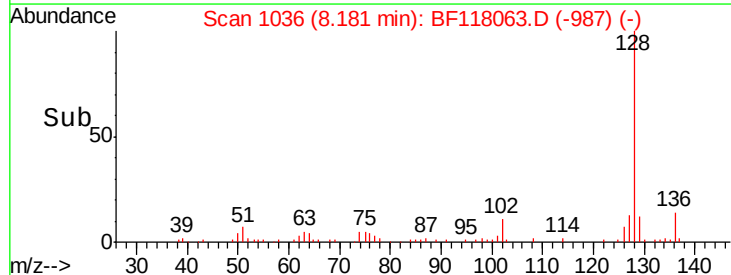
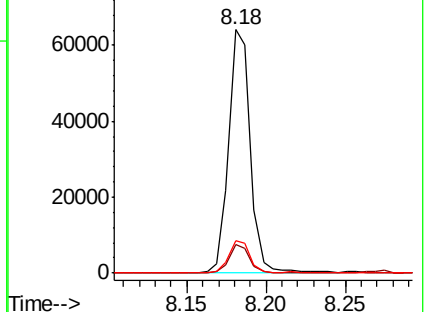
127 13.4 10.6 16.0

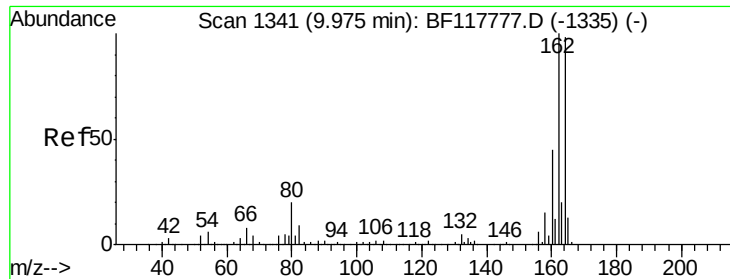


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

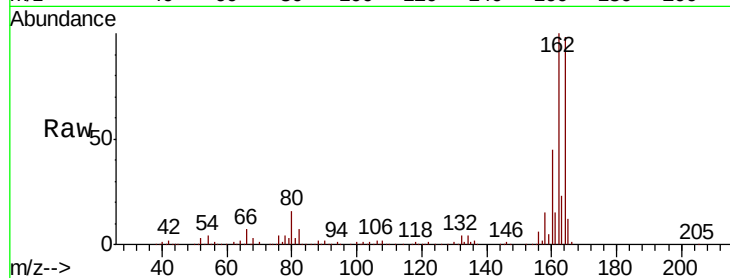




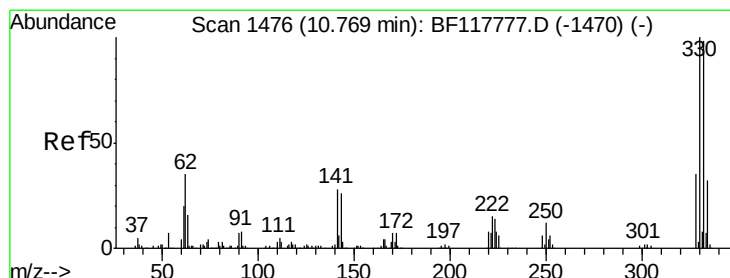
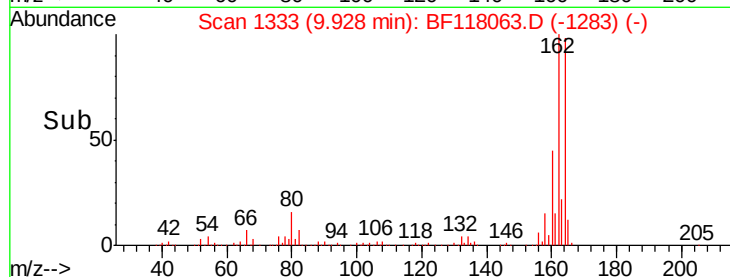
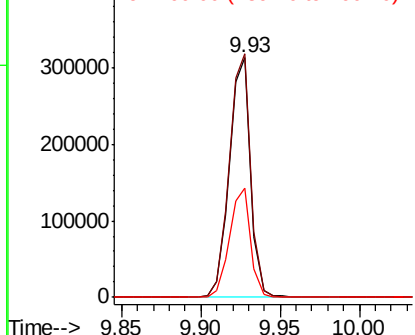
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 288883
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.8
160 45.6 35.9 53.9

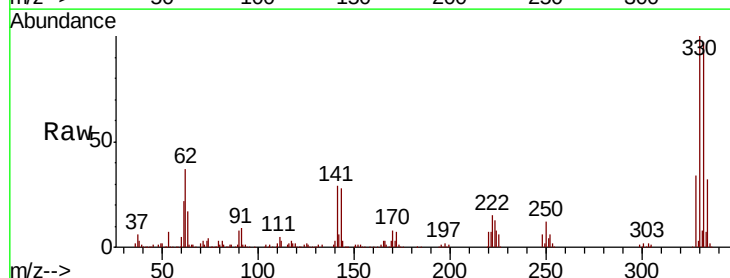


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

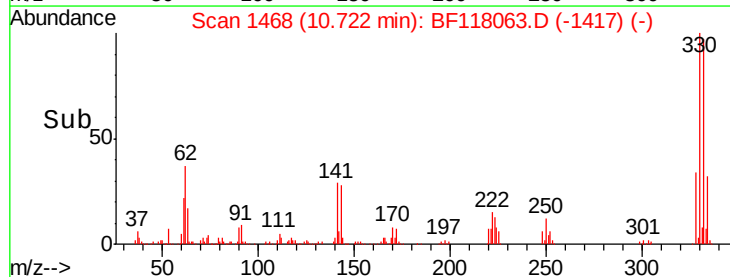
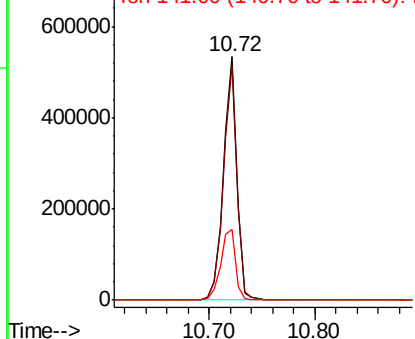


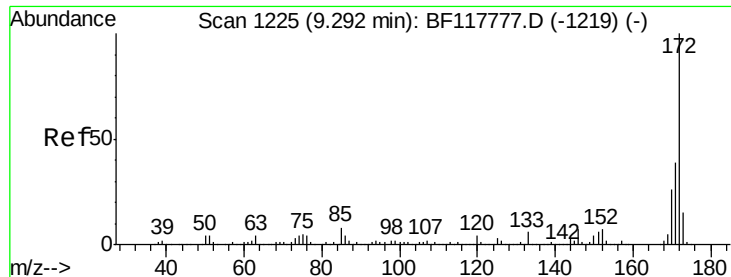
#42
2,4,6-Tribromophenol
Concen: 156.174 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:330 Resp: 477637
Ion Ratio Lower Upper
330 100
332 96.9 78.3 117.5
141 32.2 26.4 39.6



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

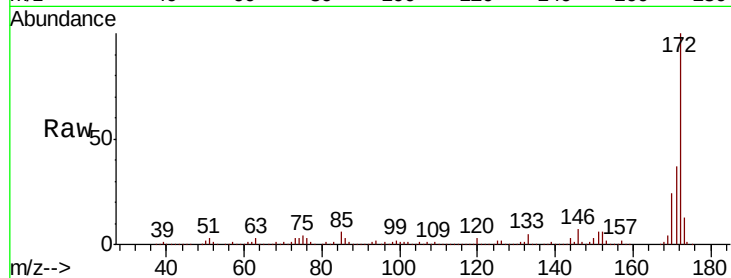




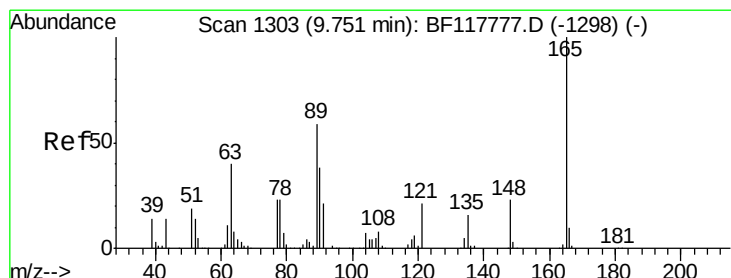
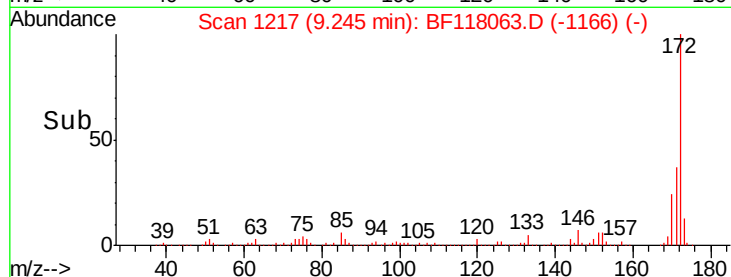
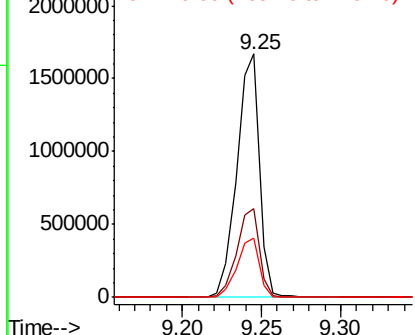
#45
2-Fluorobiphenyl
Concen: 101.895 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1640749
Ion Ratio Lower Upper
172 100
171 36.7 29.2 43.8
170 24.2 19.3 28.9

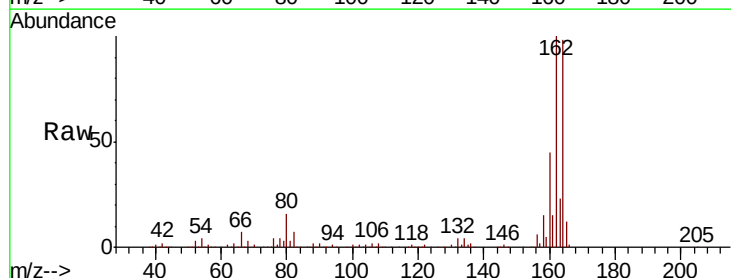


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

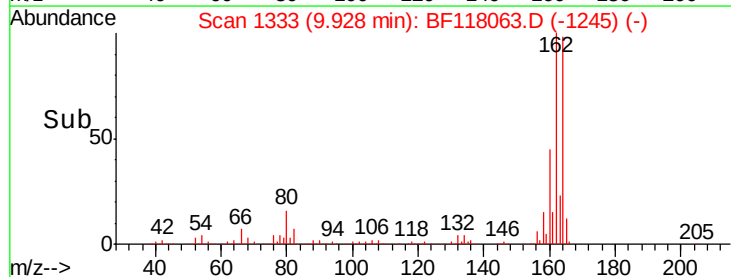
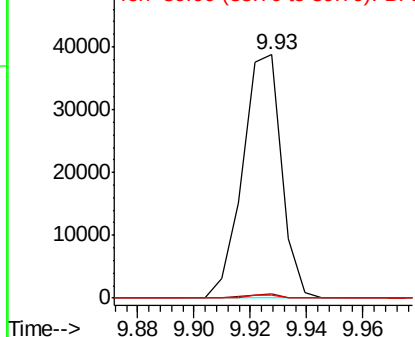


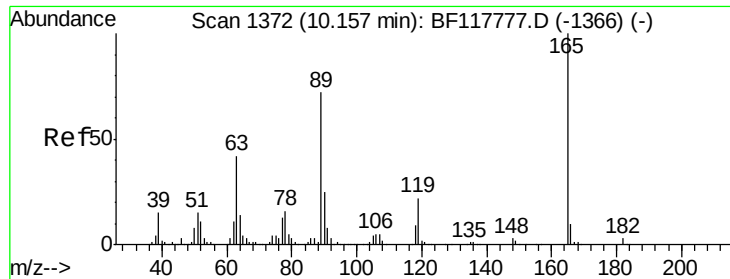
#51
2,6-Dinitrotoluene
Concen: 8.354 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:165 Resp: 36985
Ion Ratio Lower Upper
165 100
63 1.6 43.9 65.9#
89 1.0 45.5 68.3#



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

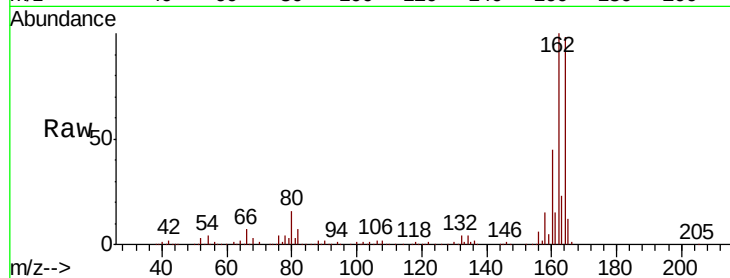




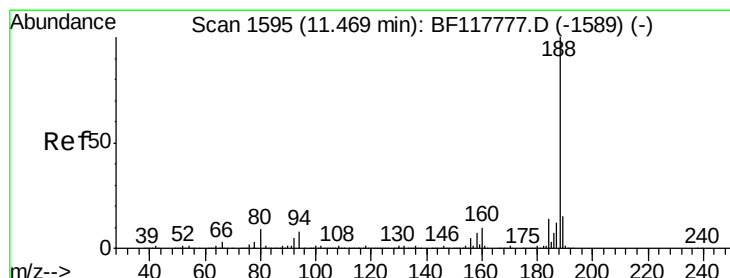
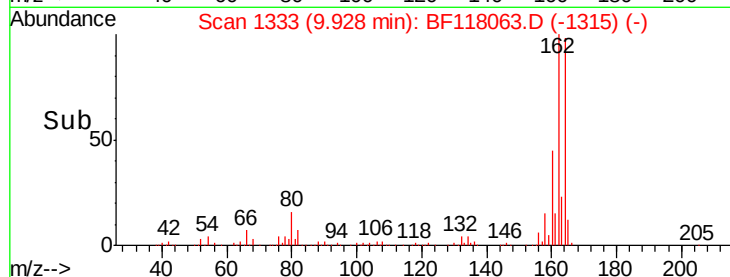
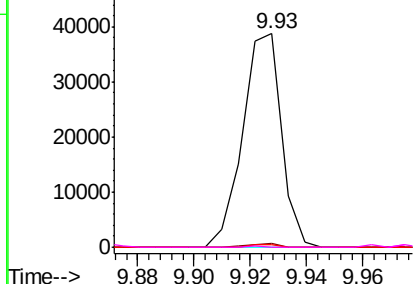
#57
 2,4-Dinitrotoluene
 Concen: 6.567 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF118063.D
 Acq: 3 Dec 2019 15:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 36985
 Ion Ratio Lower Upper
 165 100
 63 1.6 26.5 39.7#
 89 1.0 47.2 70.8#
 182 0.0 2.3 3.5#

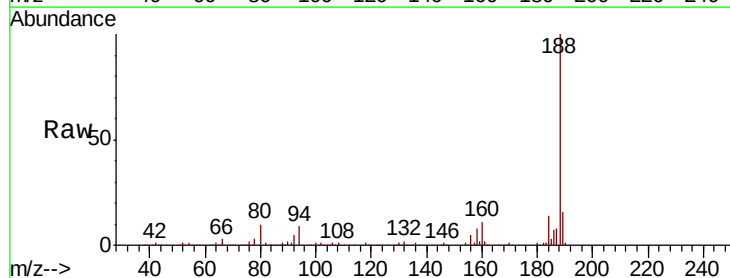


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

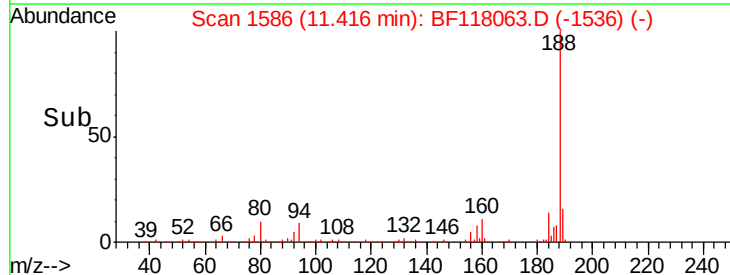
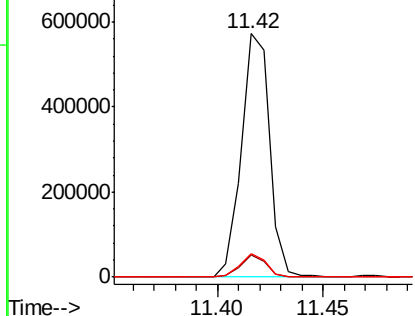


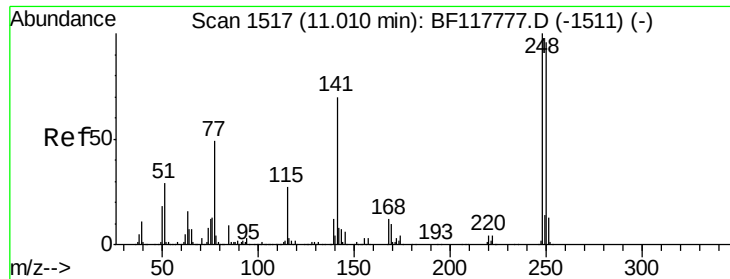
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF118063.D
 Acq: 3 Dec 2019 15:33

Tgt Ion:188 Resp: 528257
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.0 10.6
 80 9.8 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

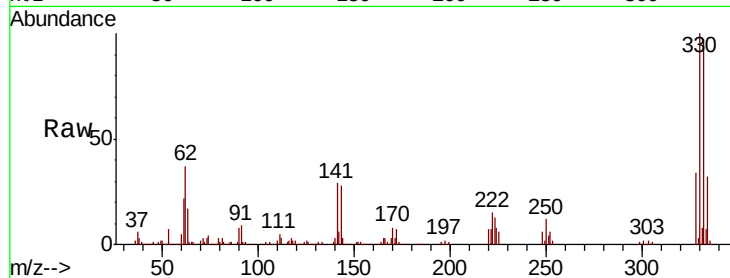




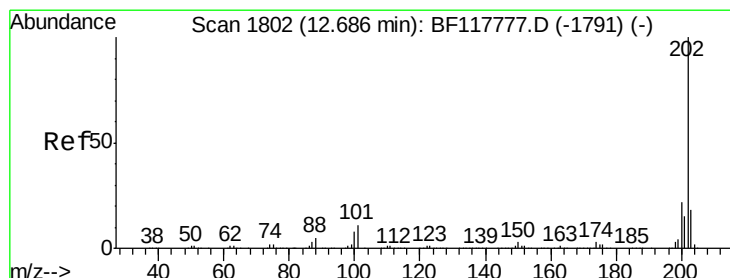
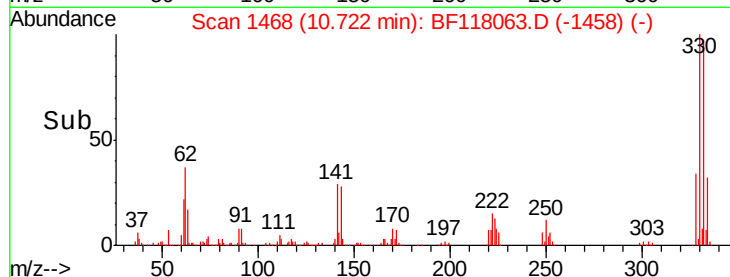
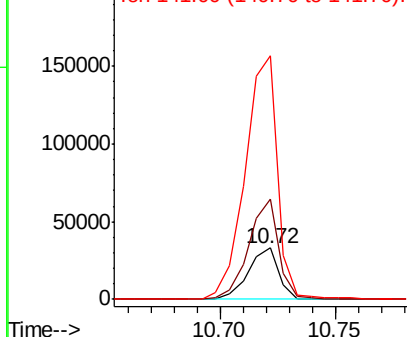
#67
4-Bromophenyl-phenylether
Concen: 5.329 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 30376
Ion Ratio Lower Upper
248 100
250 196.8 78.0 117.0#
141 475.6 64.0 96.0#

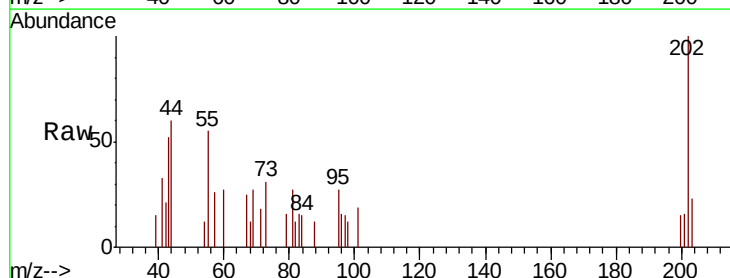


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

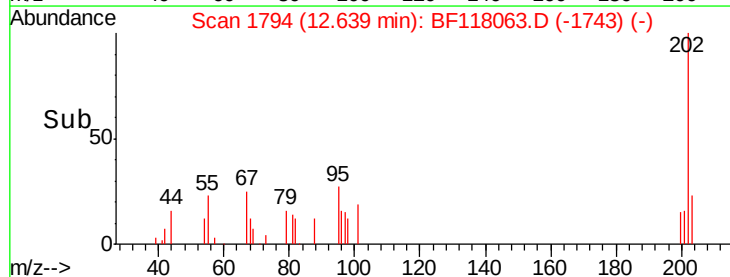
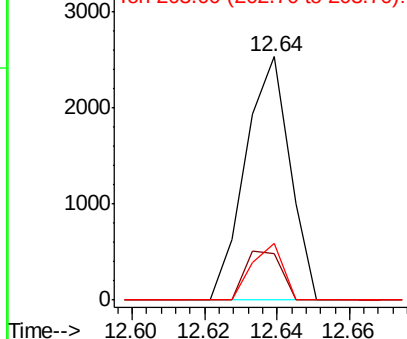


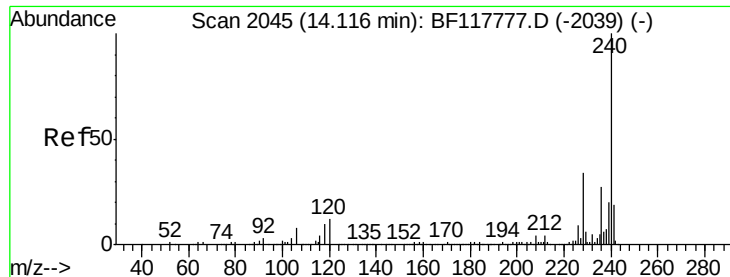
#75
Fluoranthene
Concen: Below Cal
RT: 12.64 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:202 Resp: 2156
Ion Ratio Lower Upper
202 100
101 19.2 0.0 31.5
203 23.1 0.0 37.6



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

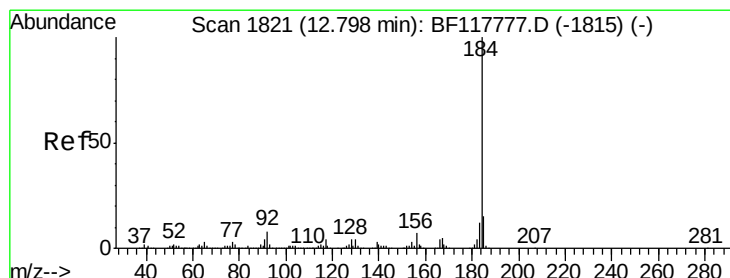
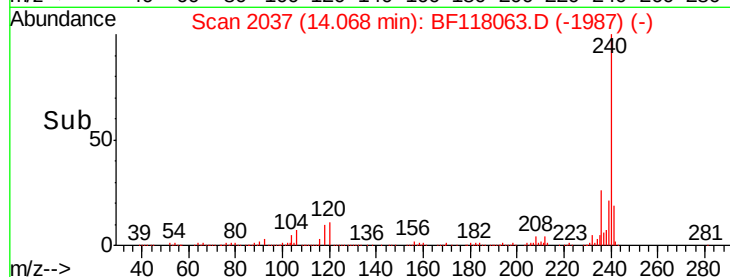
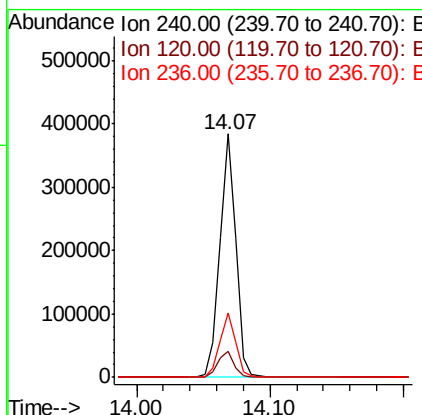
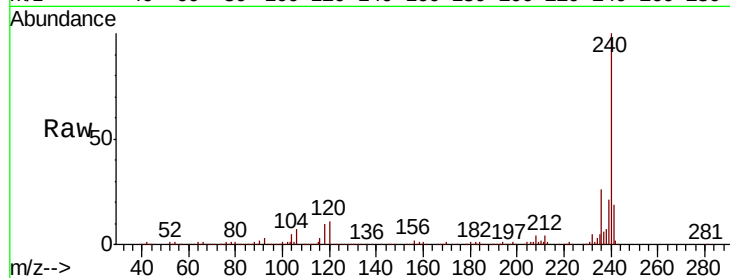




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

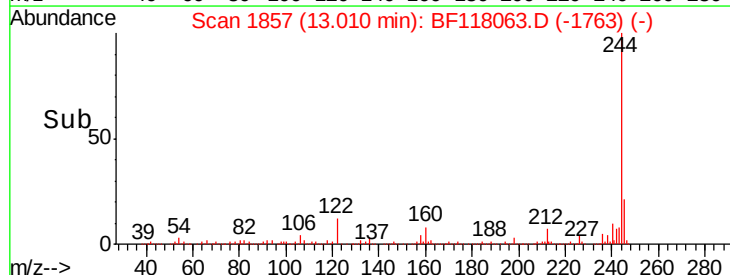
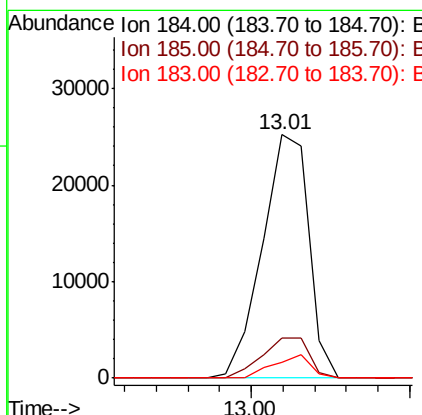
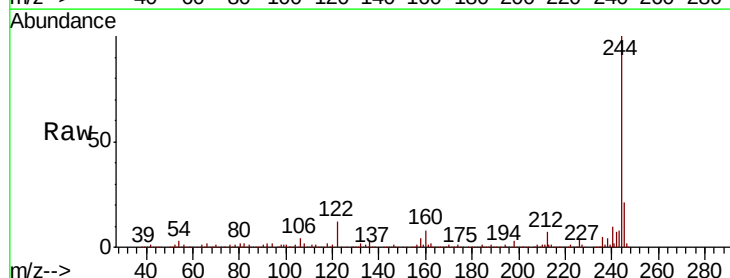
Instrument :
BNA_F
ClientSampleId :

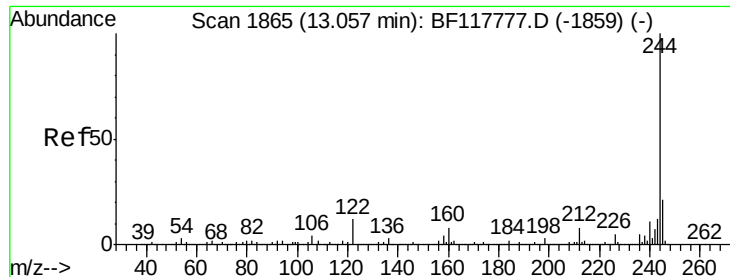
Tot Ion:240 Resp: 328456
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 26.4 20.6 31.0



#77
Benzidine
Concen: 2.394 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.25 min
Lab File: BF118063.D
Acq: 3 Dec 2019 15:33

Tgt Ion:184 Resp: 25761
Ion Ratio Lower Upper
184 100
185 16.5 11.6 17.4
183 6.4 9.7 14.5#





#79

Terphenyl-d14

Concen: 106.267 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

Instrument :

BNA_F

ClientSampled :

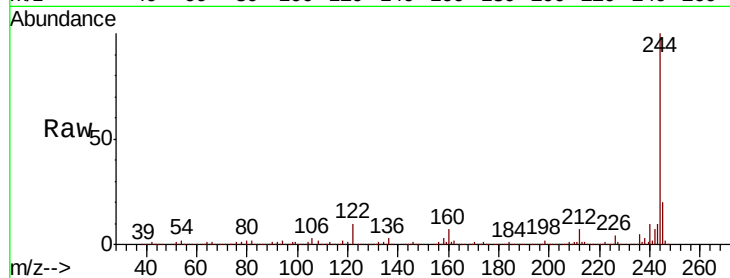
Tot Ion:244 Resp: 1909822

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

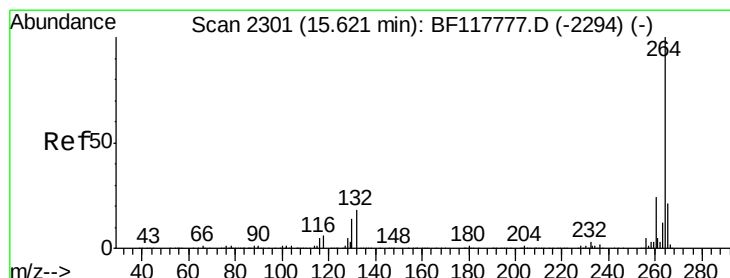
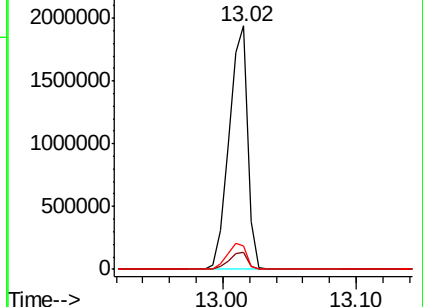
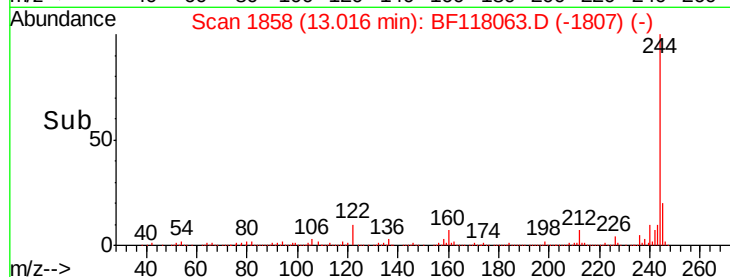
122 9.6 7.2 10.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF118063.D

Acq: 3 Dec 2019 15:33

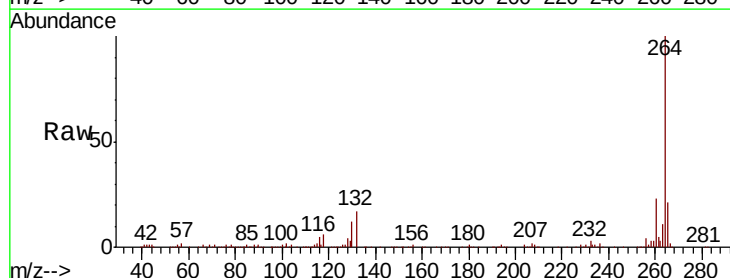
Tgt Ion:264 Resp: 329271

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 21.2 16.4 24.6



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

