

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120919\
 Data File : BF118148.D
 Acq On : 9 Dec 2019 17:02
 Operator : JU
 Sample : K6162-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 10 00:54:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	103557	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	409569	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	217330	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	397719	20.00	ng	0.00
76) Chrysene-d12	14.06	240	242156	20.00	ng	-0.01
87) Perylene-d12	15.54	264	242835	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	540863	91.48	ng	0.00
7) Phenol-d6	6.50	99	684283	95.68	ng	0.00
23) Nitrobenzene-d5	7.43	82	412093	56.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	231170	87.56	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	865913	60.63	ng	0.00
79) Terphenyl-d14	13.00	244	940738	66.80	ng	0.00

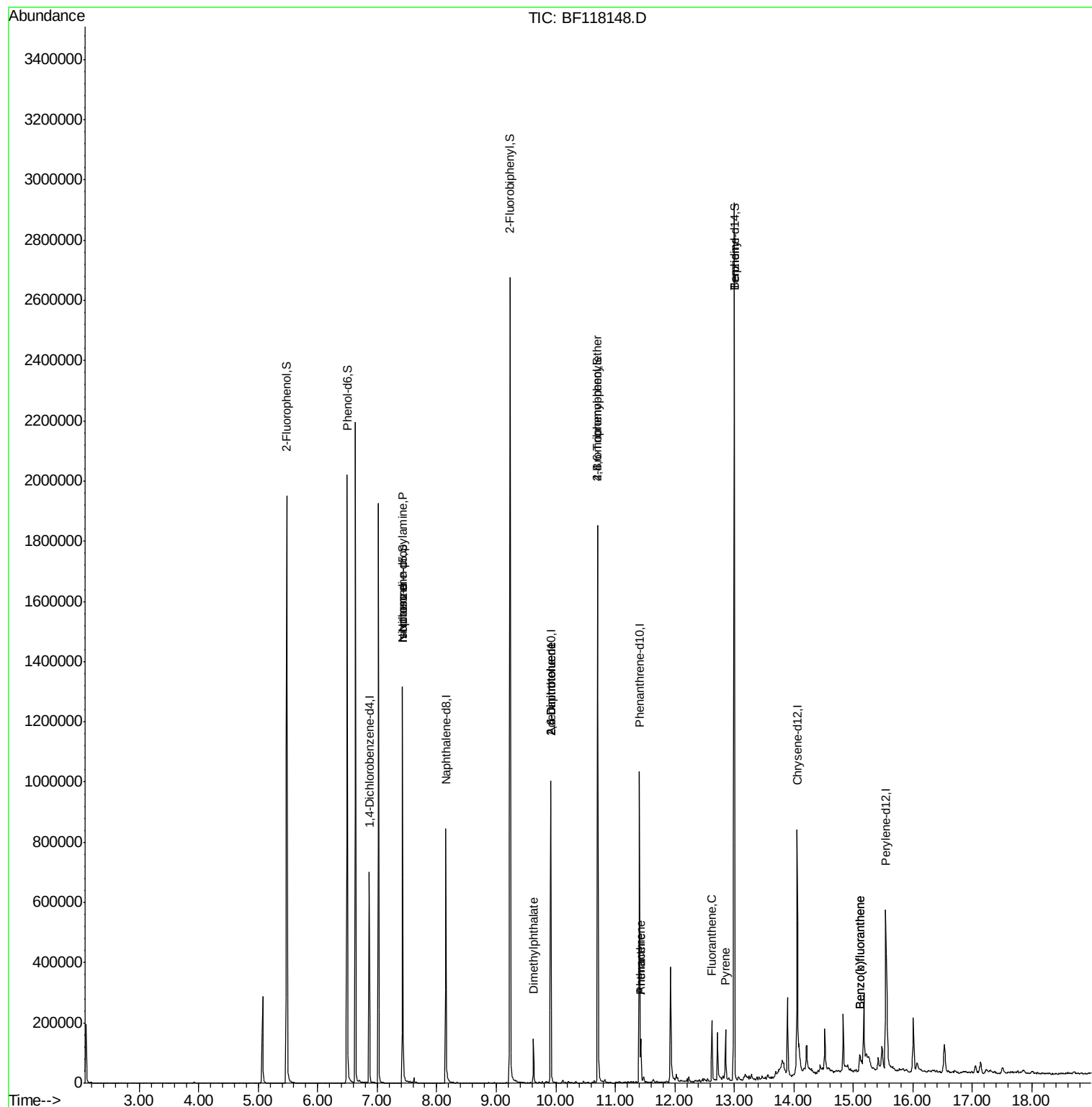
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	917	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	55290	12.723	ng	# 75
25) Isophorone	7.43	82	412088	33.390	ng	# 62
50) Dimethylphthalate	9.63	163	65953	4.108	ng	99
51) 2,6-Dinitrotoluene	9.92	165	27756	7.952	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	27756	5.957	ng	# 25
67) 4-Bromophenyl-phenylether	10.70	248	14880	3.278	ng	# 1
71) Phenanthrene	11.43	178	44562	2.108	ng	100
72) Anthracene	11.43	178	44562	2.113	ng	99
75) Fluoranthene	12.62	202	79014	3.655	ng	99
77) Benzidine	13.00	184	13152	2.063	ng	# 92
78) Pylene	12.86	202	74857	3.923	ng	97
88) Benzo(b)fluoranthene	15.11	252	42265	2.632	ng	97
89) Benzo(k)fluoranthene	15.11	252	42265	2.739	ng	# 97

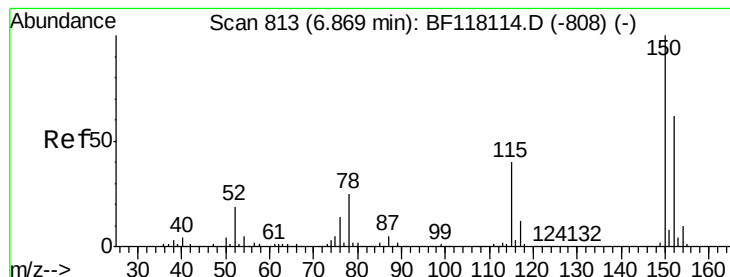
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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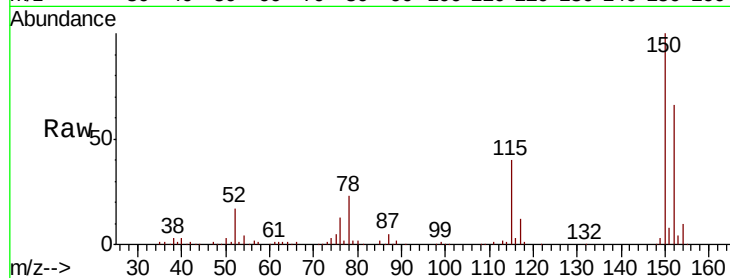


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF118148.D
Acq: 9 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	128.3	192.5
115	60.7	51.1	76.7

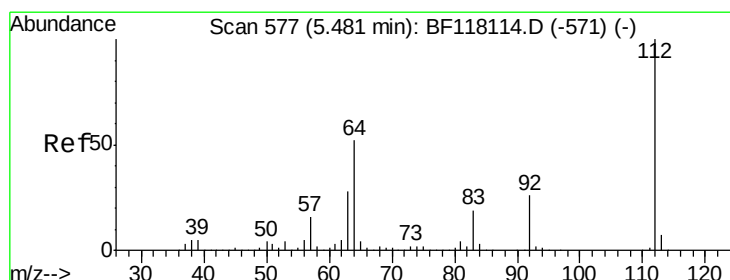
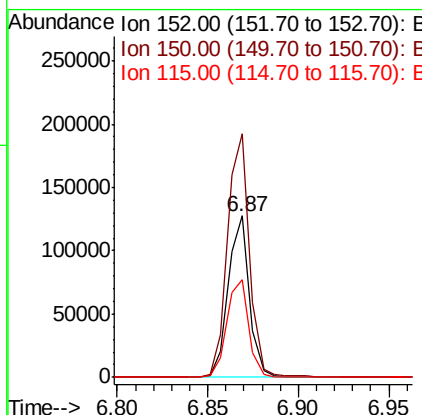
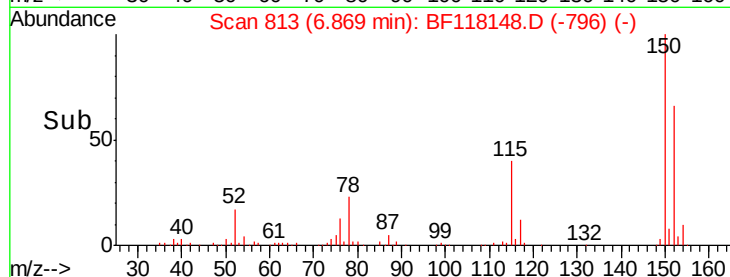


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

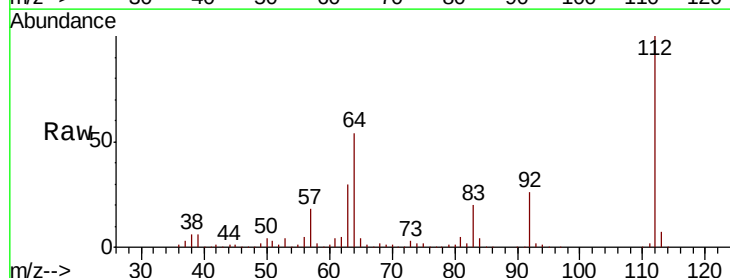
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.476 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118148.D
Acq: 9 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	41.3	61.9
63	29.9	22.4	33.6

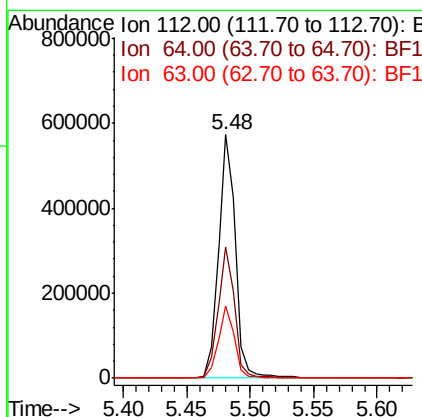
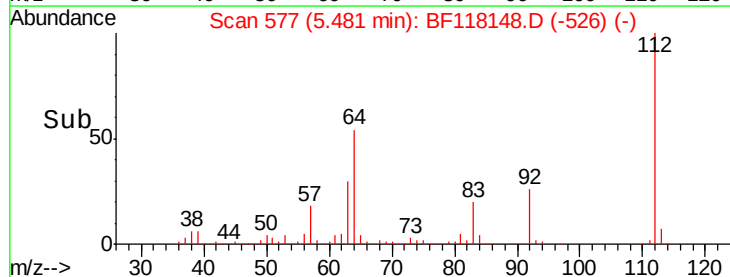


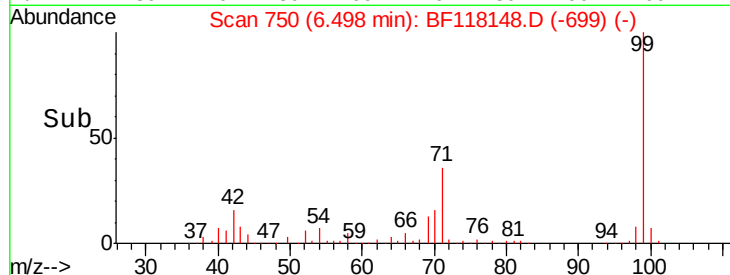
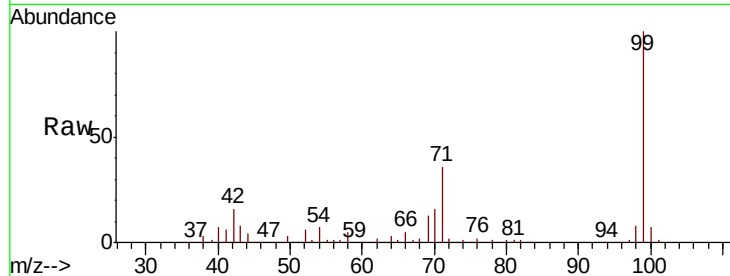
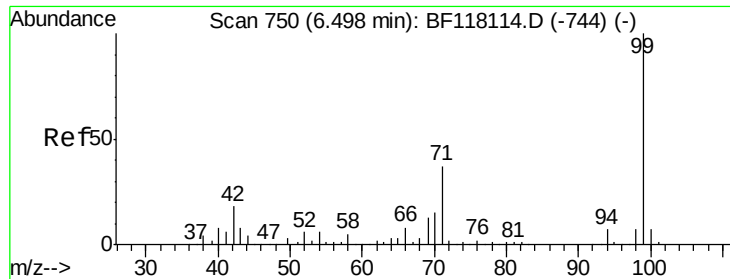
Abundance

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: 95.684 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

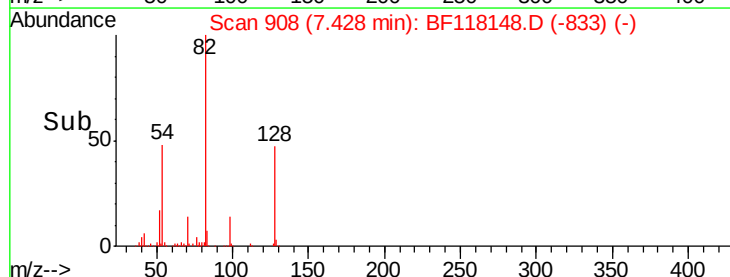
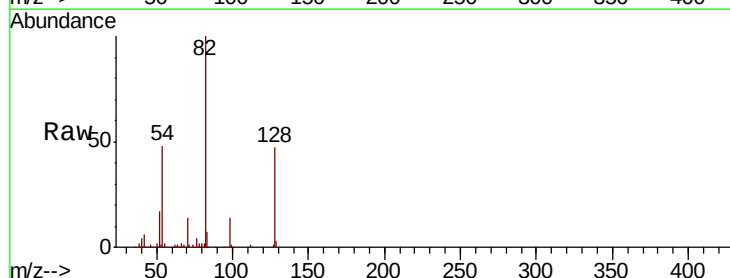
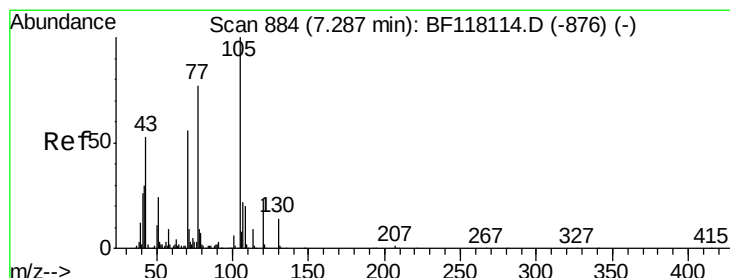
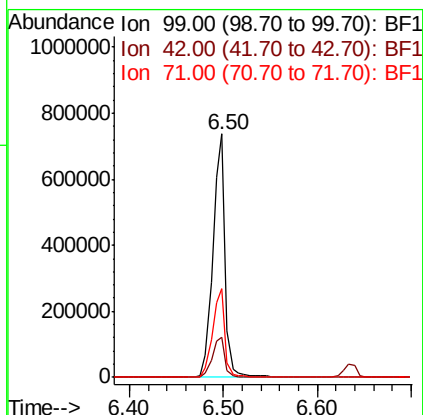
Tot Ion: 99 Resp: 684283

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 36.4 29.7 44.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.723 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Tgt Ion: 70 Resp: 55290

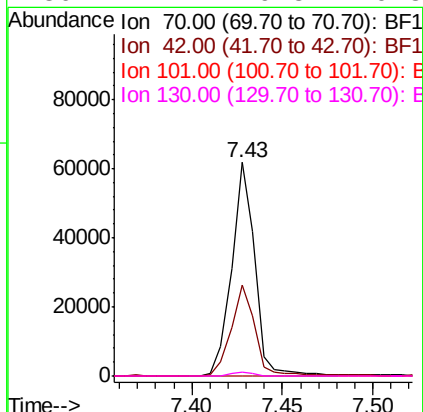
Ion Ratio Lower Upper

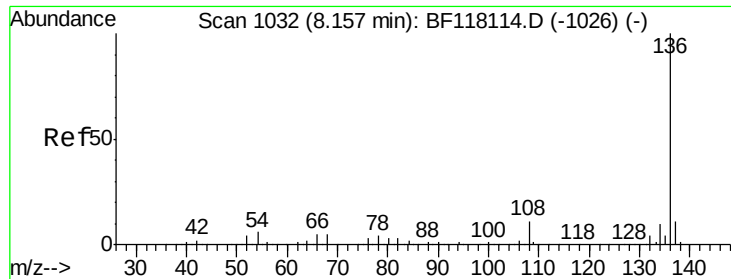
70 100

42 42.6 43.2 64.8#

101 0.0 8.1 12.1#

130 2.1 19.8 29.8#

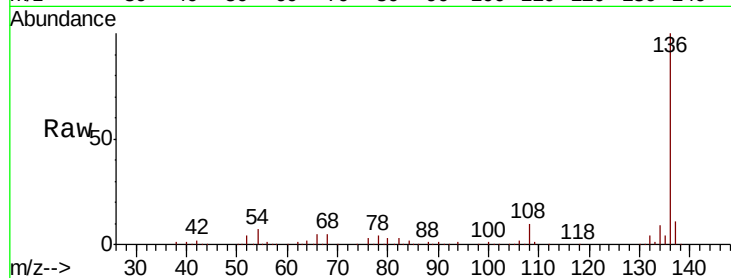




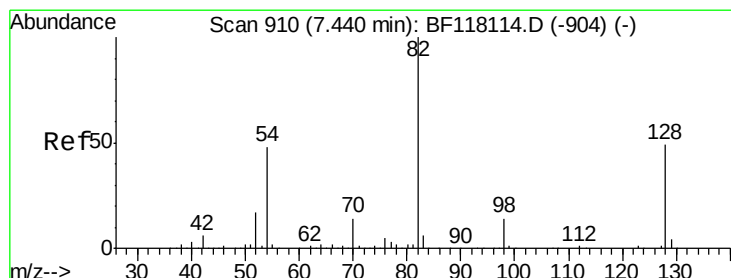
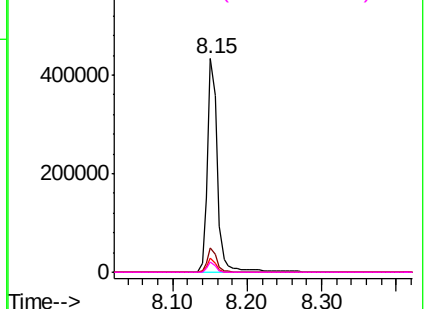
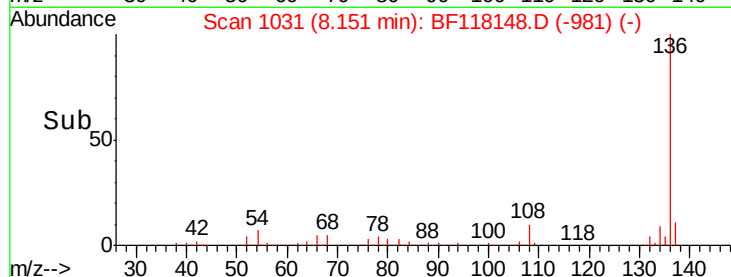
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF118148.D
Acq: 9 Dec 2019 17:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	409569
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.6
54	6.6	5.0 7.6
68	4.6	3.8 5.8

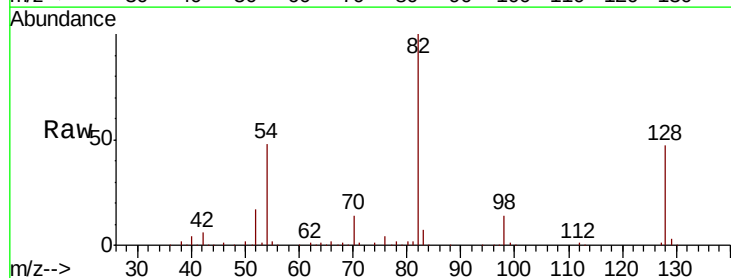


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

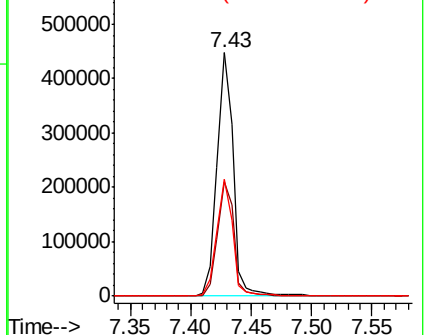
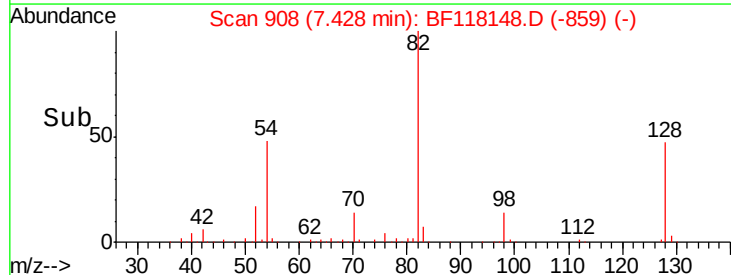


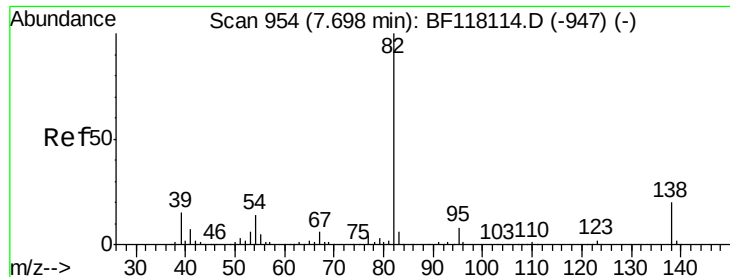
#23
Nitrobenzene-d5
Concen: 56.604 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF118148.D
Acq: 9 Dec 2019 17:02

Tgt Ion: 82	Resp:	412093
Ion	Ratio	Lower Upper
82	100	
128	47.2	39.1 58.7
54	48.1	38.2 57.2



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





#25

Isophorone

Concen: 33.390 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

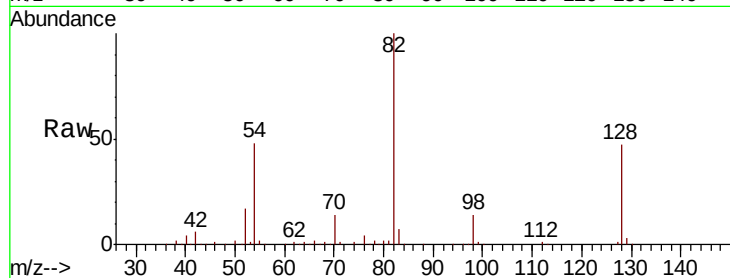
Tot Ion: 82 Resp: 412088

Ion Ratio Lower Upper

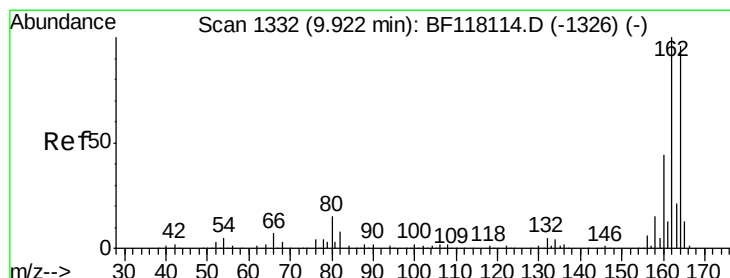
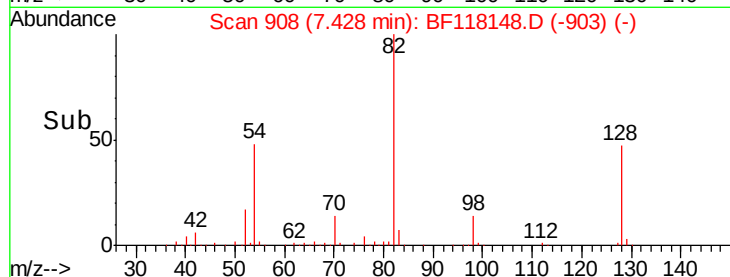
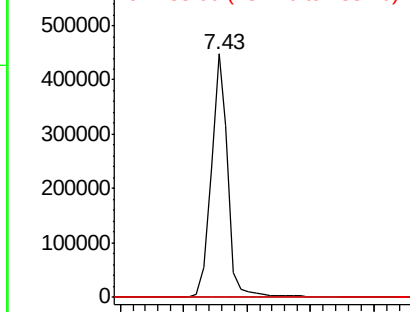
82 100

95 0.0 6.3 9.5#

138 0.0 16.3 24.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

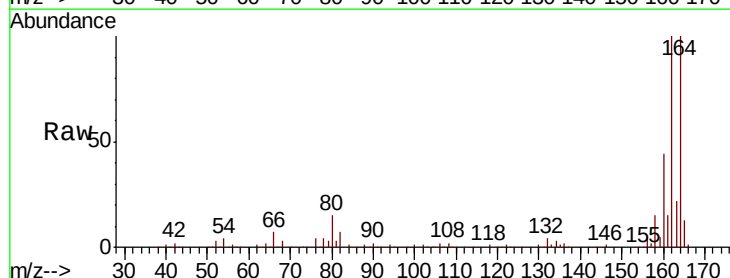
Tgt Ion: 164 Resp: 217330

Ion Ratio Lower Upper

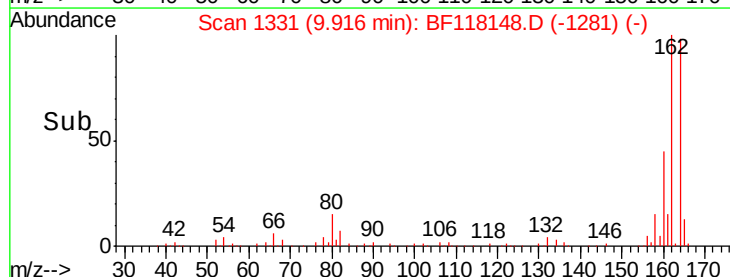
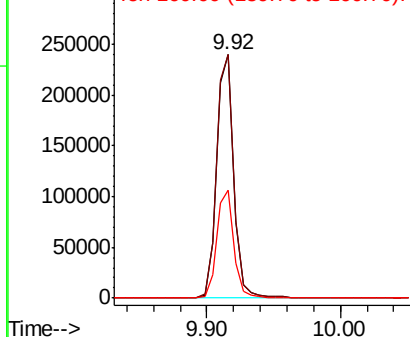
164 100

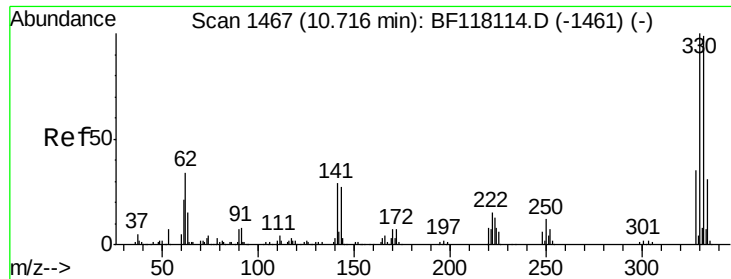
162 99.9 83.4 125.0

160 44.5 36.6 54.8



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

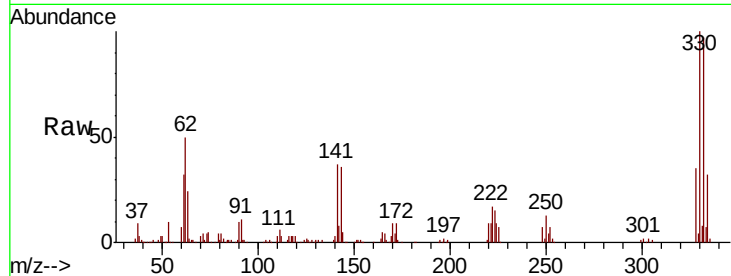




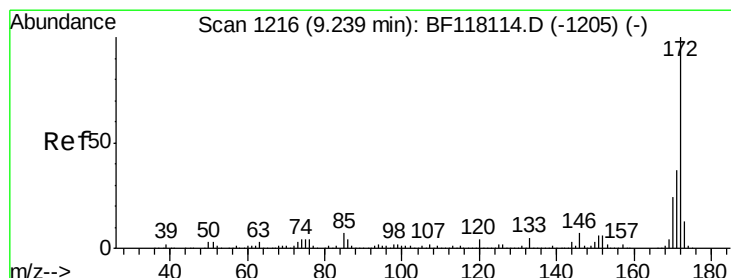
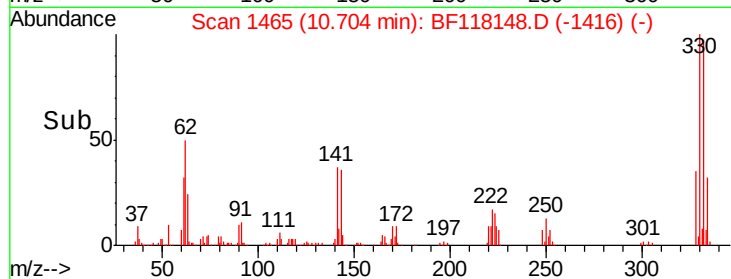
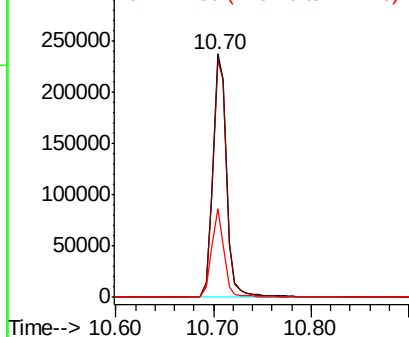
#42
 2,4,6-Tribromophenol
 Concen: 87.559 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.1	117.1
141	33.6	26.9	40.3

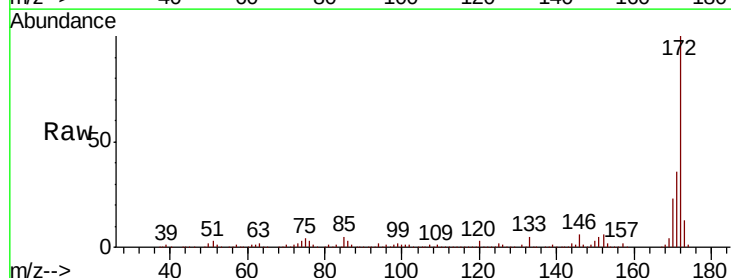


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

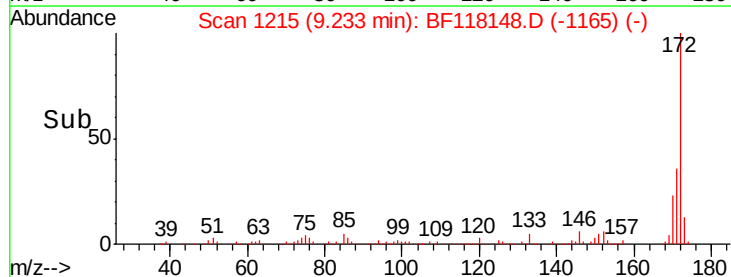
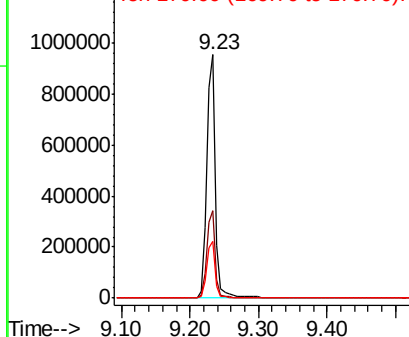


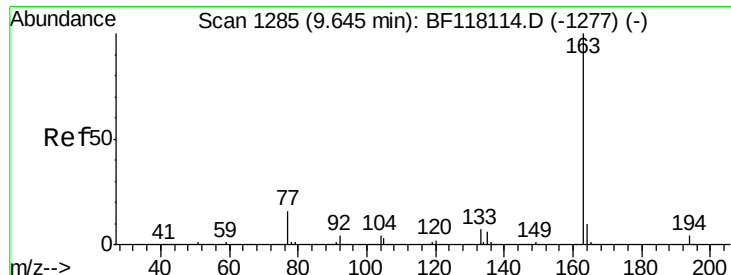
#45
 2-Fluorobiphenyl
 Concen: 60.627 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	23.4	19.4	29.2



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: 4.108 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Instrument :

BNA_F

ClientSampled :

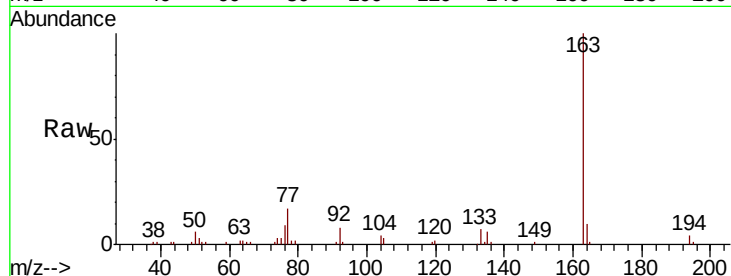
Tot Ion:163 Resp: 65953

Ion Ratio Lower Upper

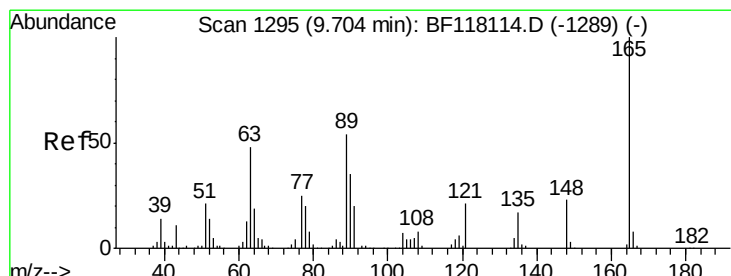
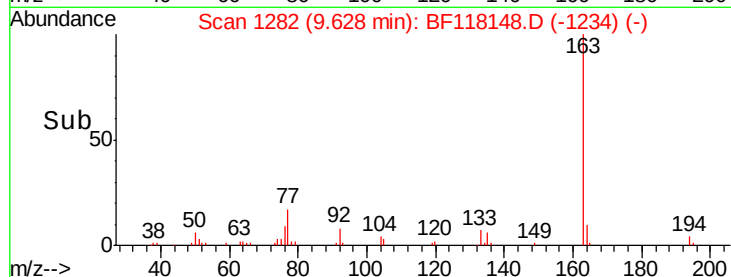
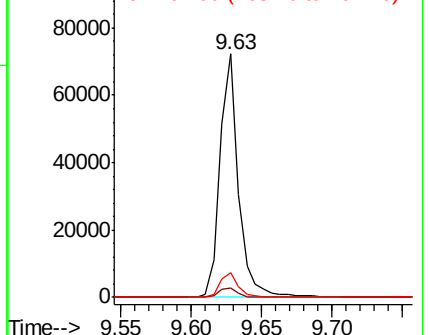
163 100

194 3.8 3.1 4.7

164 10.1 7.7 11.5



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: 7.952 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

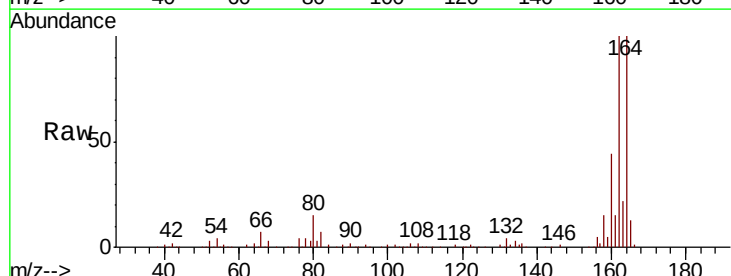
Tgt Ion:165 Resp: 27756

Ion Ratio Lower Upper

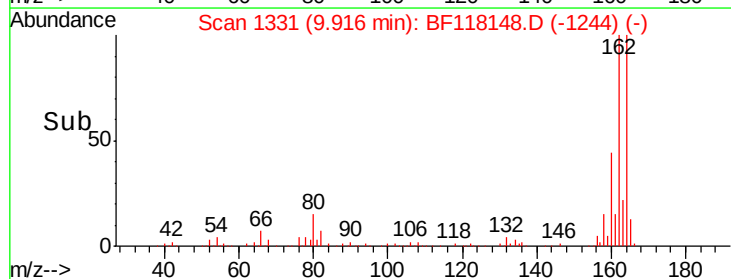
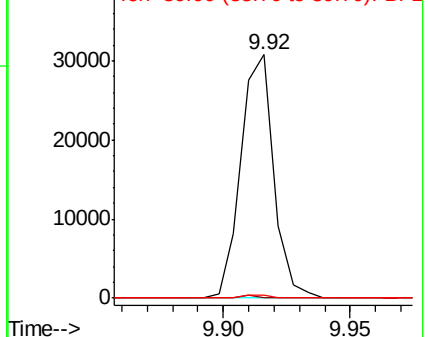
165 100

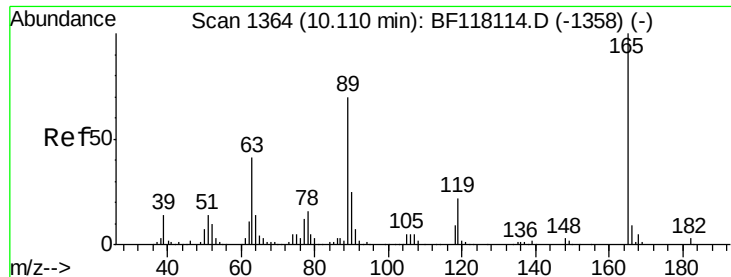
63 0.0 41.4 62.0#

89 1.4 42.9 64.3#



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

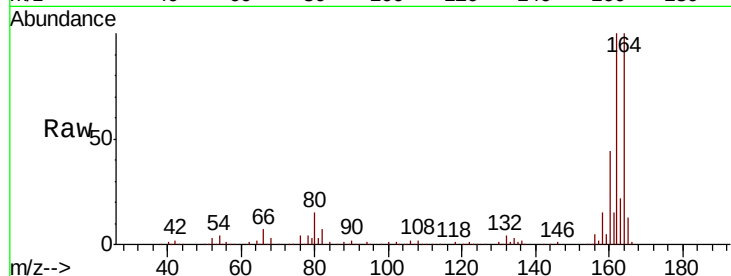




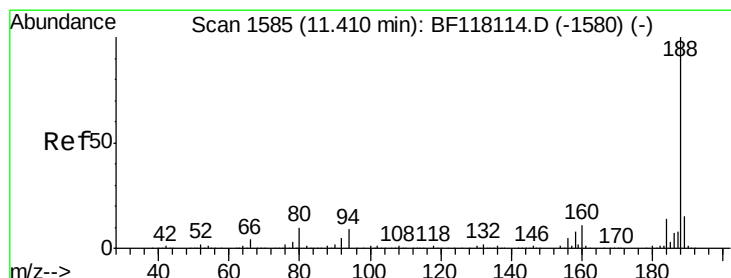
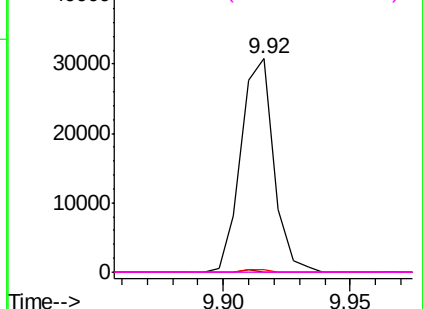
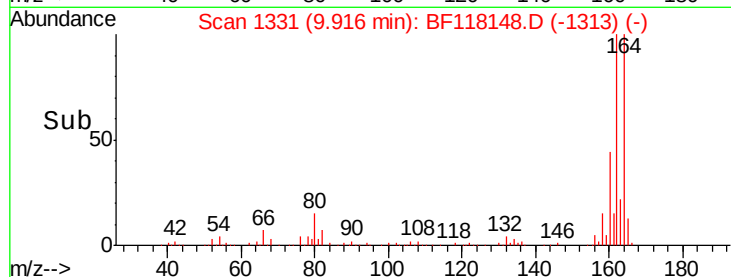
#57
 2,4-Dinitrotoluene
 Concen: 5.957 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	27756
Ion Ratio	Lower	Upper
165	100	
63	0.0	32.6 49.0#
89	1.4	56.1 84.1#
182	0.0	2.1 3.1#

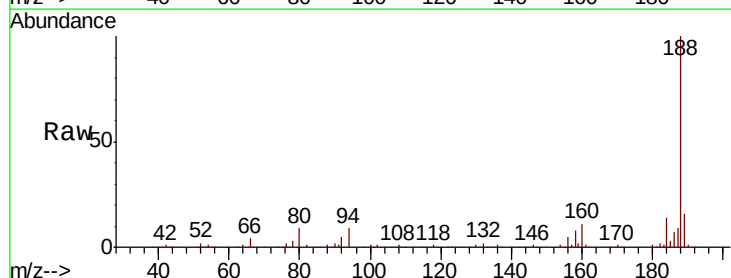


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

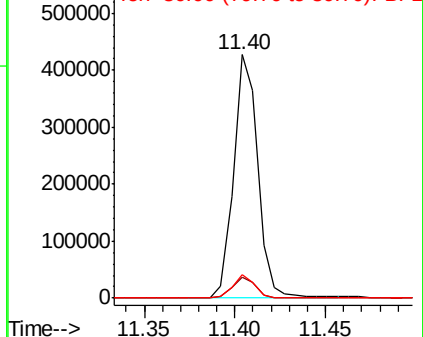
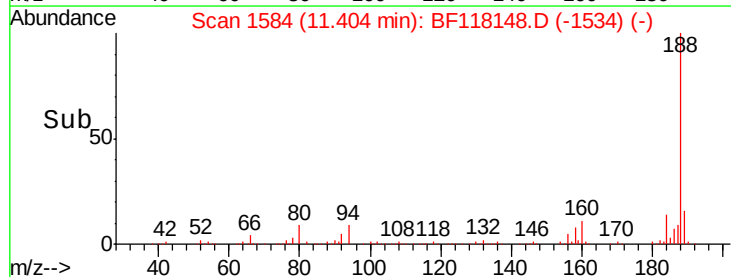


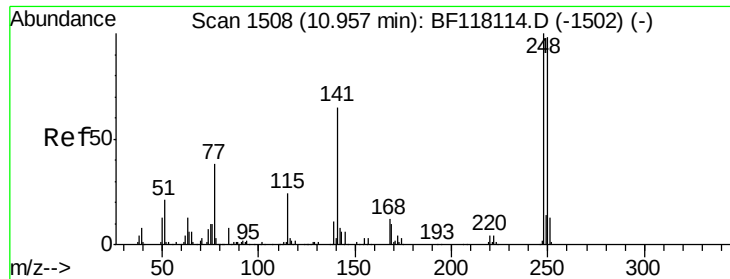
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Tgt Ion:188	Resp:	397719
Ion Ratio	Lower	Upper
188	100	
94	8.7	7.1 10.7
80	9.4	7.9 11.9



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

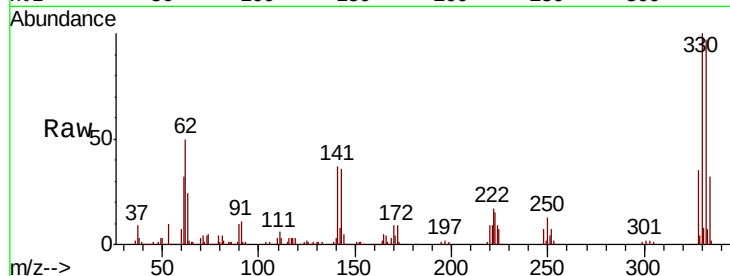




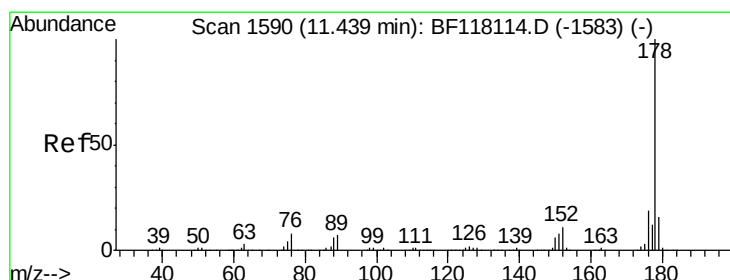
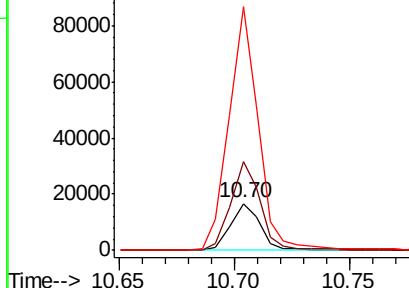
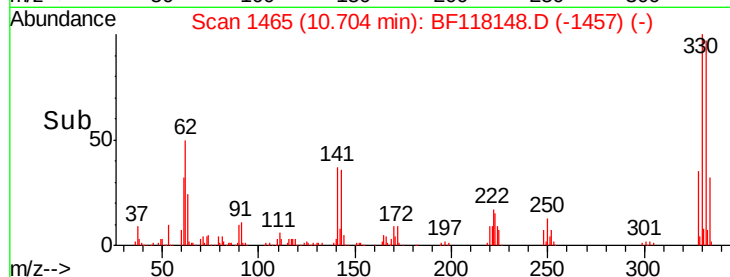
#67
 4-Bromophenyl-phenylether
 Concen: 3.278 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14880
 Ion Ratio Lower Upper
 248 100
 250 191.0 78.3 117.5#
 141 521.9 52.2 78.4#

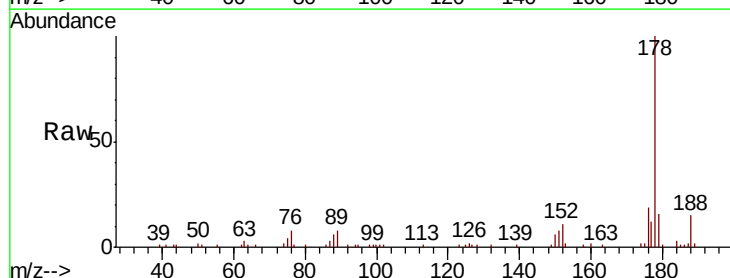


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

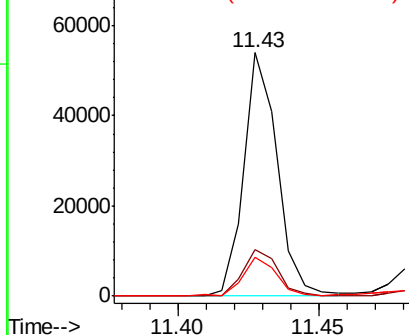
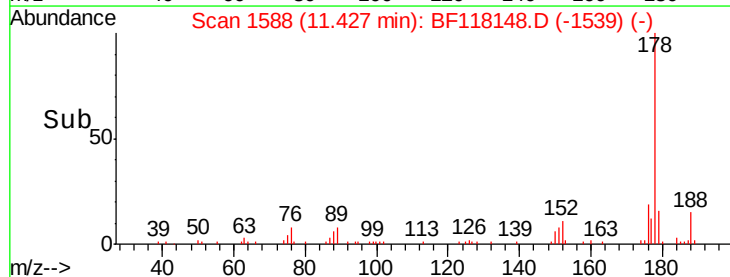


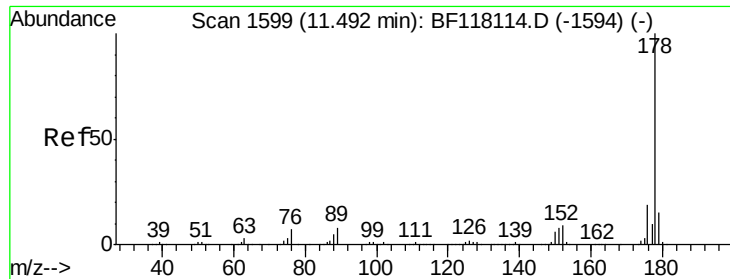
#71
 Phenanthrene
 Concen: 2.108 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Tgt Ion:178 Resp: 44562
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 15.7 12.6 18.8



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

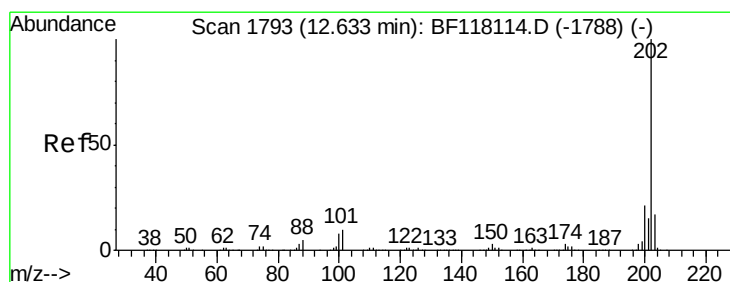
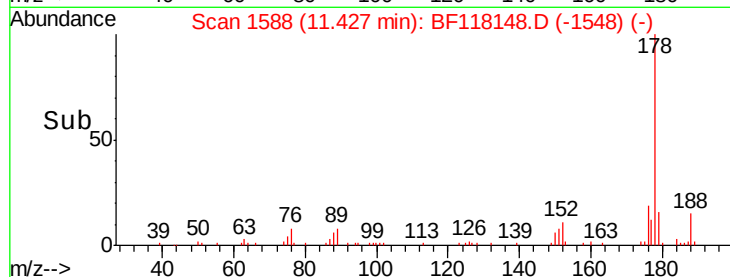
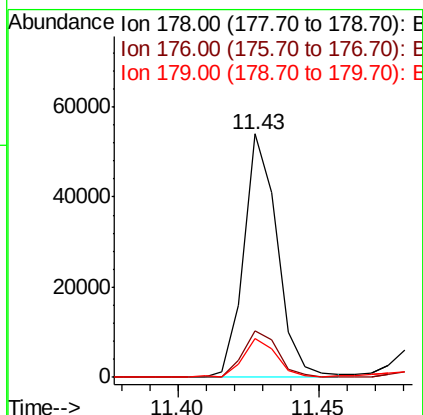
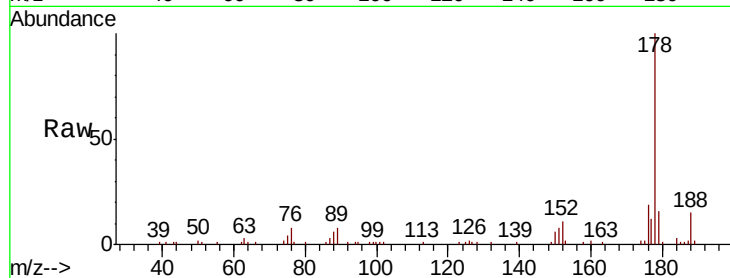




#72
 Anthracene
 Concen: 2.113 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.06 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

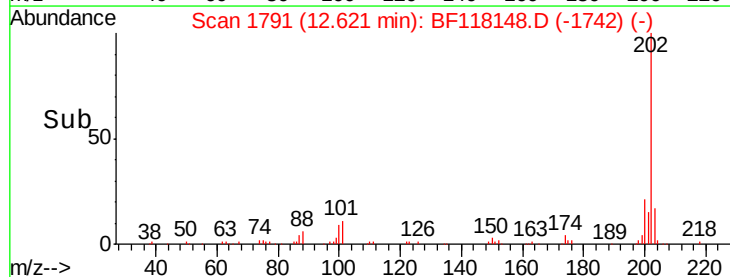
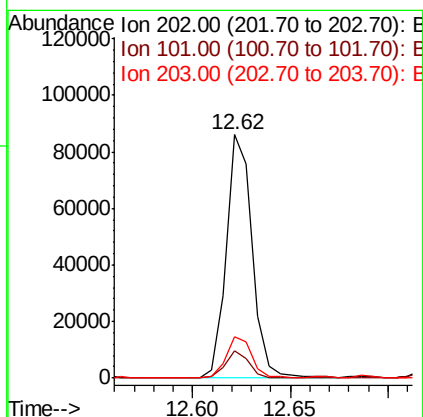
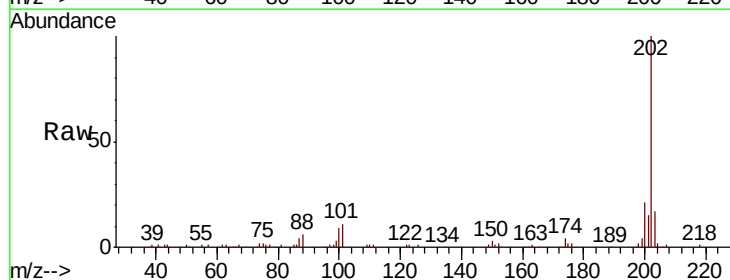
Instrument :
 BNA_F
 ClientSampleId :

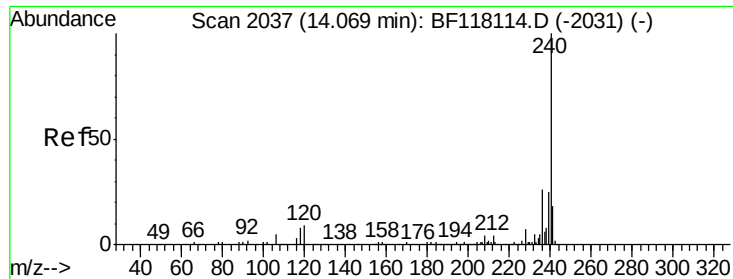
Tot Ion:178 Resp: 44562
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 15.7 12.2 18.4



#75
 Fluoranthene
 Concen: 3.655 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Tgt Ion:202 Resp: 79014
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.4
 203 16.9 0.0 37.2

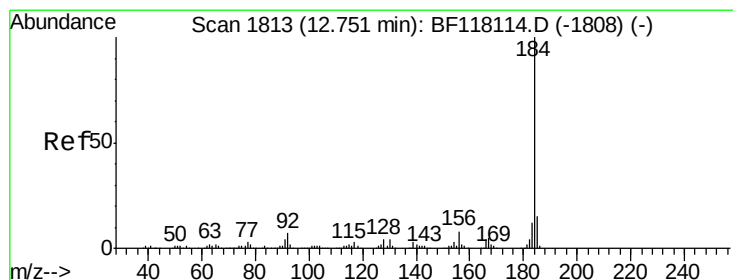
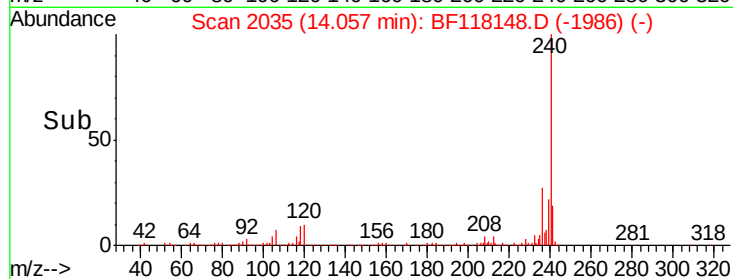
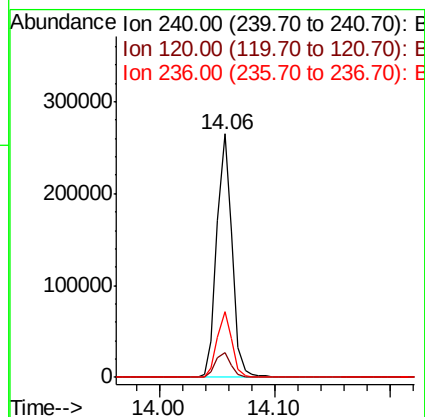
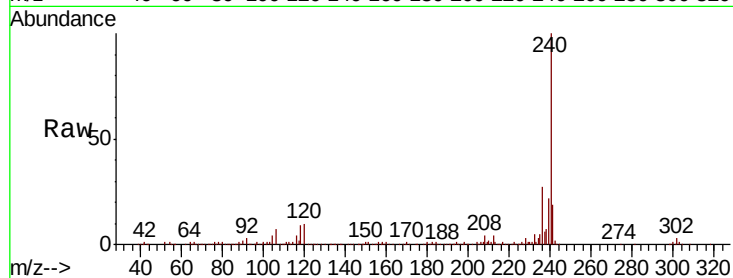




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

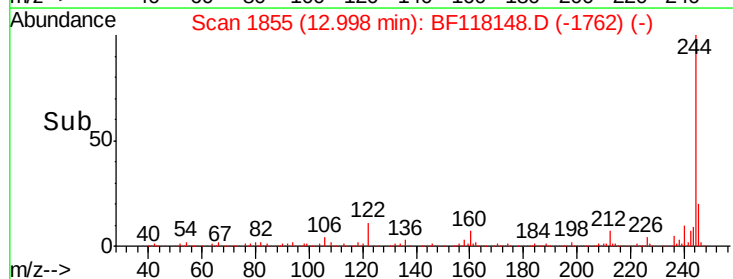
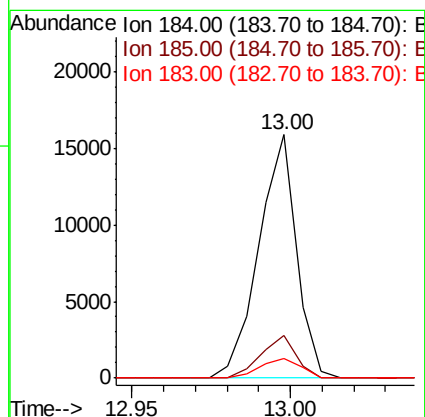
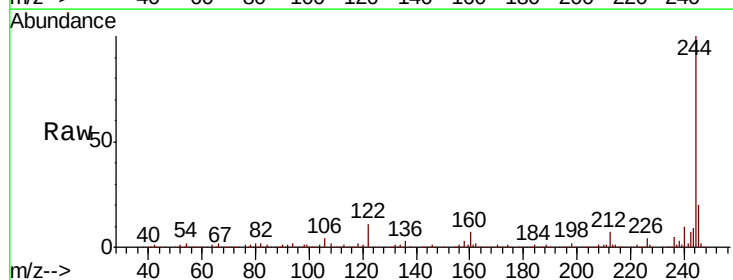
Instrument :
 BNA_F
 ClientSampleId :

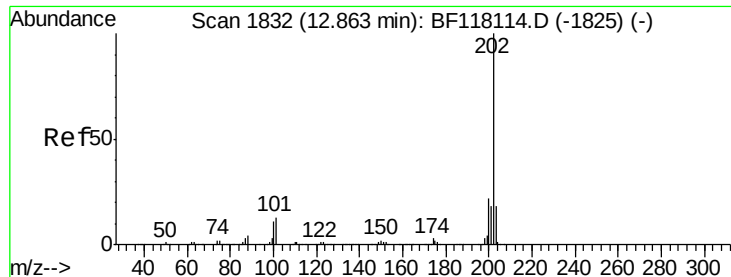
Tot Ion:240 Resp: 242156
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.1 10.7
 236 27.0 21.0 31.6



#77
 Benzidine
 Concen: 2.063 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.25 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Tgt Ion:184 Resp: 13152
 Ion Ratio Lower Upper
 184 100
 185 17.3 12.3 18.5
 183 7.9 9.9 14.9#





#78

Pvrene

Concen: 3.923 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

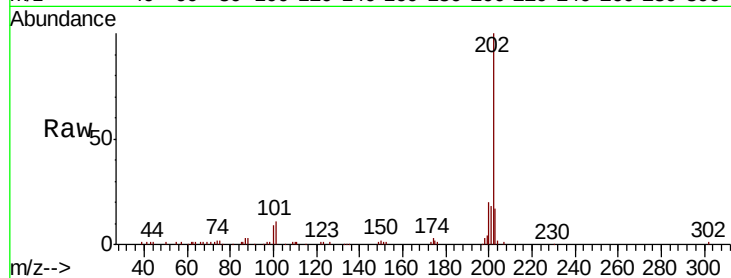
Tot Ion:202 Resp: 74857

Ion Ratio Lower Upper

202 100

200 20.1 17.5 26.3

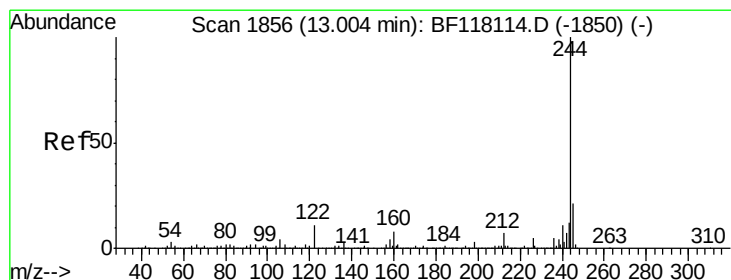
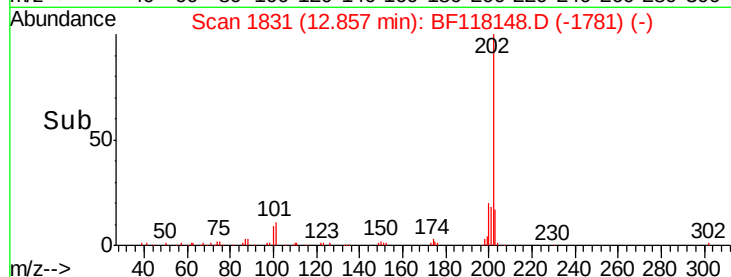
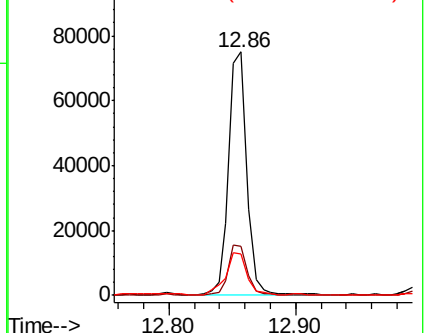
203 17.2 14.6 21.8



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: 66.805 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

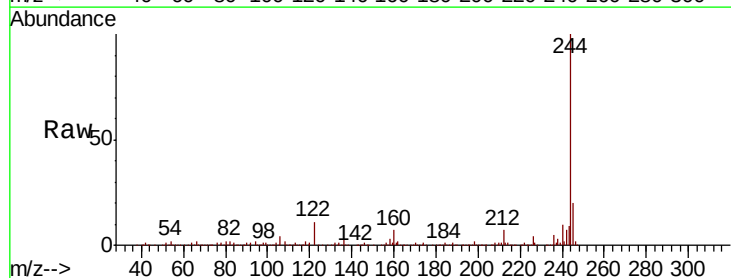
Tgt Ion:244 Resp: 940738

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

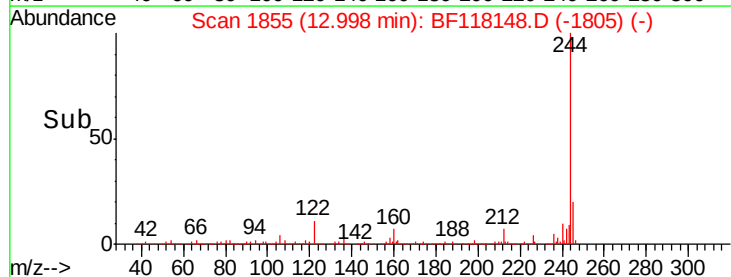
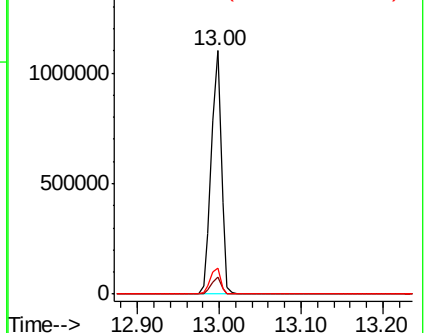
122 10.5 9.0 13.6

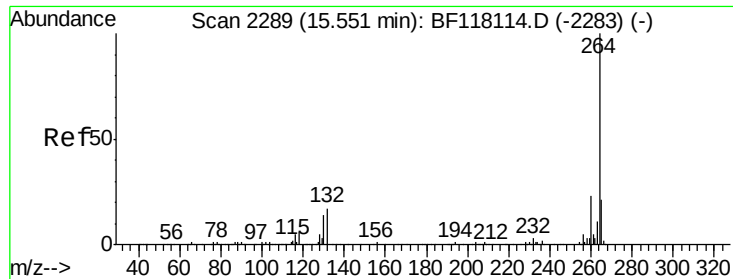


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

Instrument :

BNA_F

ClientSampleId :

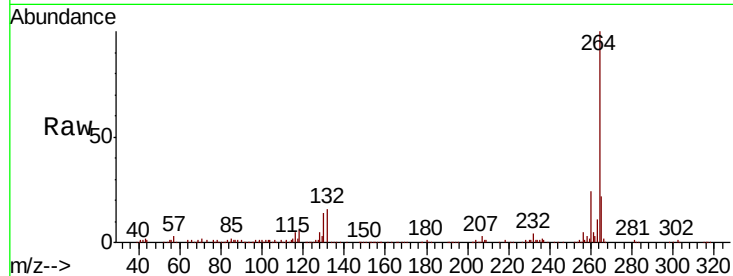
Tot Ion:264 Resp: 242835

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

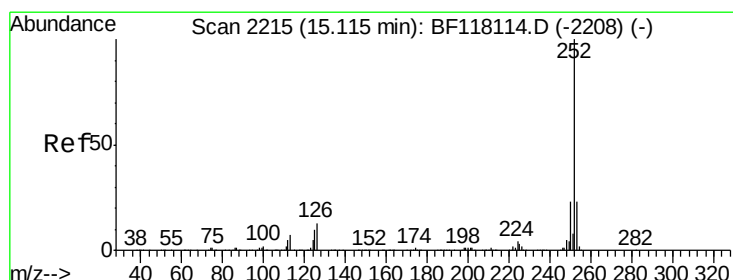
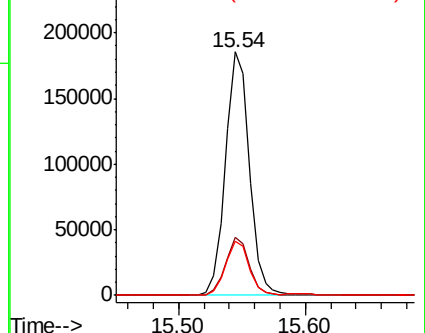
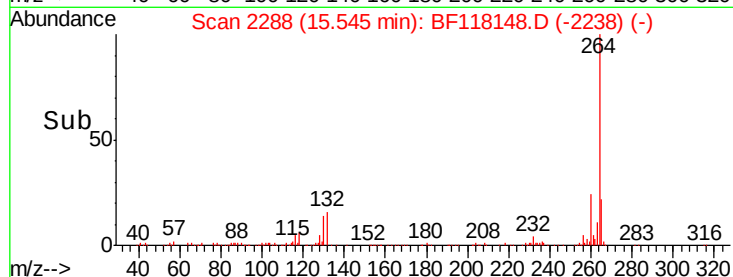
265 22.1 16.8 25.2



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: 2.632 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF118148.D

Acq: 9 Dec 2019 17:02

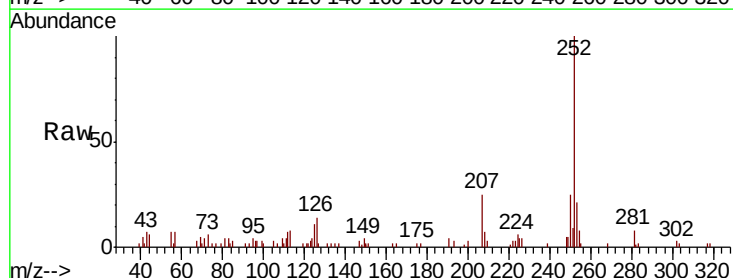
Tgt Ion:252 Resp: 42265

Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.4

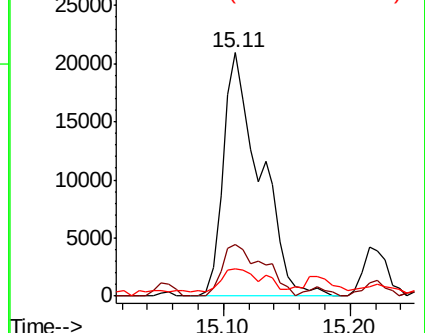
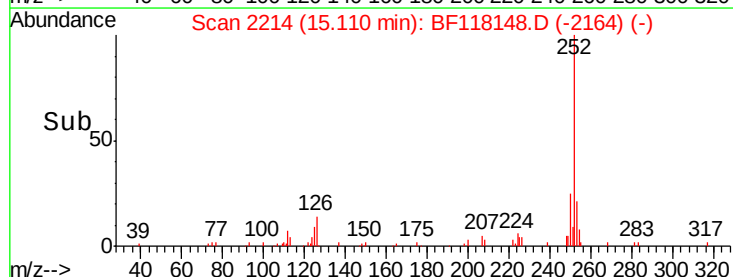
125 11.2 8.3 12.5

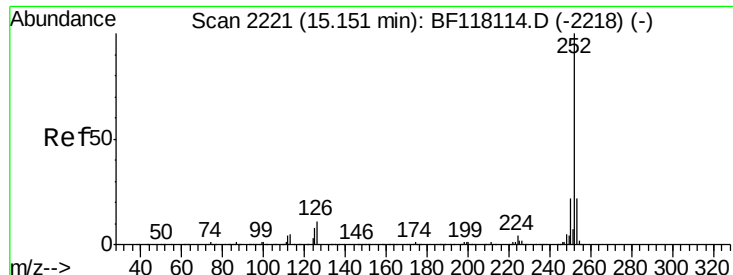


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 2.739 ng
 RT: 15.11 min Scan# 2214
 Delta R.T. -0.04 min
 Lab File: BF118148.D
 Acq: 9 Dec 2019 17:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	11.2	6.7	10.1

