

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118345.D
 Acq On : 27 Dec 2019 18:40
 Operator : JU
 Sample : K6431-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 28 00:00:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	148100	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	582788	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	306916	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	553950	20.00	ng	0.00
76) Chrysene-d12	14.05	240	341090	20.00	ng	0.00
87) Perylene-d12	15.54	264	397455	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	869409	100.21	ng	0.00
7) Phenol-d6	6.49	99	1099250	102.13	ng	0.00
23) Nitrobenzene-d5	7.42	82	658652	64.64	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	360252	95.05	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1299355	64.62	ng	0.00
79) Terphenyl-d14	12.99	244	1322544	64.33	ng	0.00

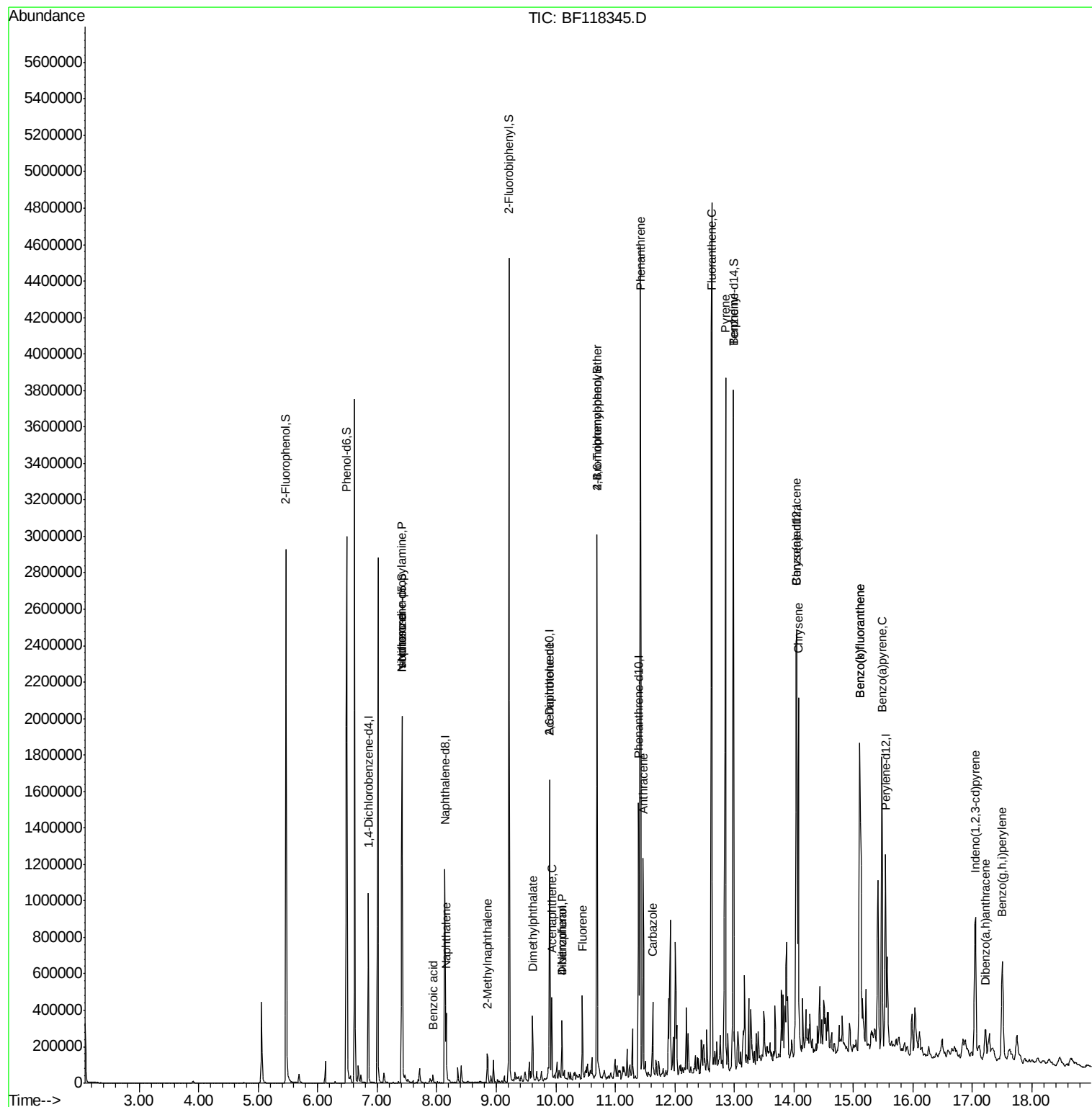
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	89556	13.507	ng	# 78
25) Isophorone	7.42	82	655041	36.887	ng	# 62
31) Naphthalene	8.16	128	168954	5.704	ng	# 99
32) Benzoic acid	7.93	122	241	5.711	ng	# 11
37) 2-Methylnaphthalene	8.86	142	41470	2.045	ng	# 97
50) Dimethylphthalate	9.61	163	130498	5.664	ng	# 99
51) 2,6-Dinitrotoluene	9.90	165	41792	8.414	ng	# 27
52) Acenaphthene	9.93	154	95575	5.415	ng	# 99
55) Dibenzofuran	10.10	168	108690	4.168	ng	# 98
56) 4-Nitrophenol	10.10	139	44121	12.260	ng	# 8
58) Fluorene	10.45	166	128400	6.099	ng	# 98
67) 4-Bromophenyl-phenylether	10.69	248	22562	3.480	ng	# 1
71) Phenanthrene	11.42	178	1677969	55.565	ng	# 99
72) Anthracene	11.47	178	408104	13.501	ng	# 98
73) Carbazole	11.63	167	153921	5.739	ng	# 98
75) Fluoranthene	12.62	202	1903157	62.446	ng	# 97
77) Benzidine	12.98	184	19076	2.041	ng	# 95
78) Pyrene	12.85	202	1616451	58.034	ng	# 98
81) Benzo(a)anthracene	14.04	228	859518	36.000	ng	# 99
83) Chrysene	14.07	228	682239	29.843	ng	# 97
86) Indeno(1,2,3-cd)pyrene	17.05	276	493924	25.357	ng	# 94
88) Benzo(b)fluoranthene	15.10	252	1326987	50.297	ng	# 97
89) Benzo(k)fluoranthene	15.10	252	1326987	52.383	ng	# 98
90) Benzo(a)pyrene	15.48	252	736299	31.681	ng	# 96
91) Dibenzo(a,h)anthracene	17.22	278	100462	4.981	ng	# 96
92) Benzo(g,h,i)perylene	17.50	276	441871	22.680	ng	# 97

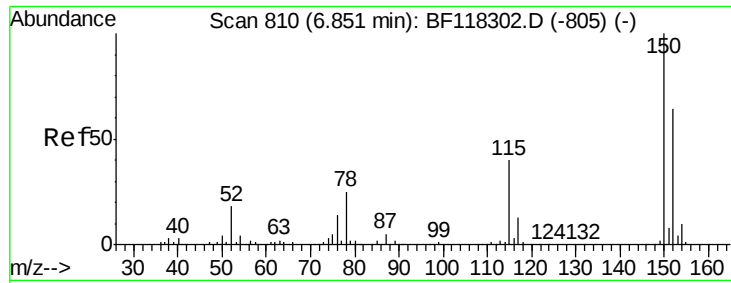
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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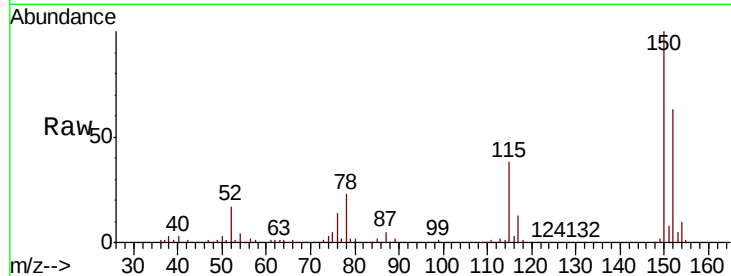


#1

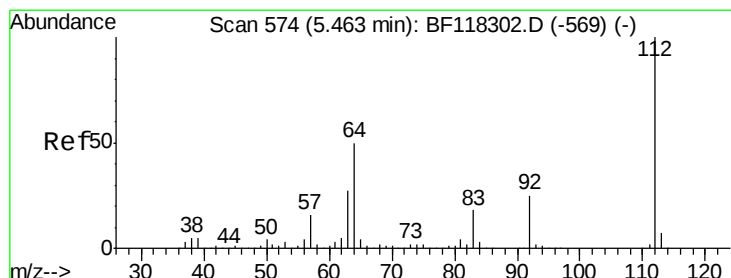
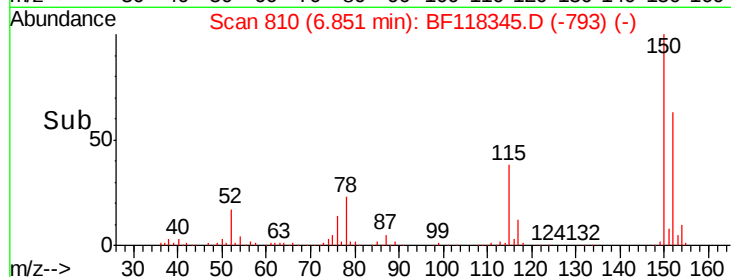
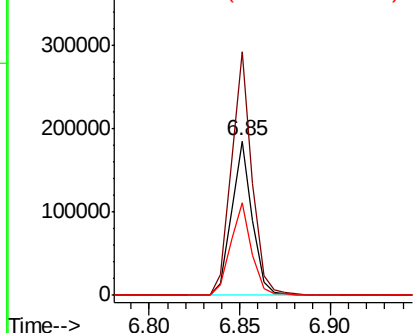
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148100
Ion Ratio Lower Upper
152 100
150 158.0 125.4 188.2
115 59.7 50.2 75.4



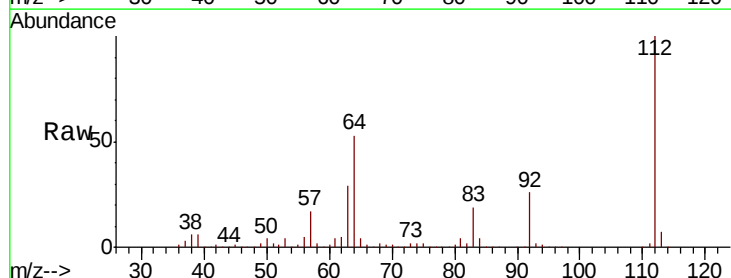
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



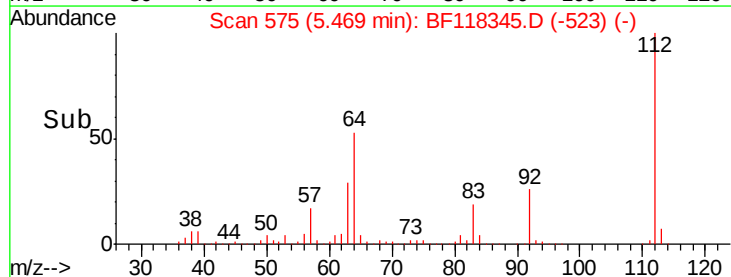
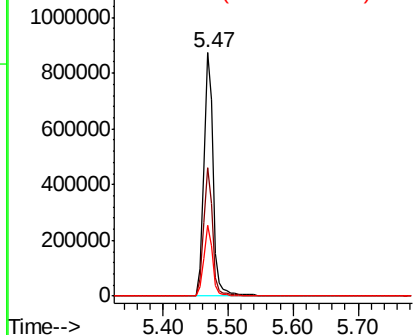
#5

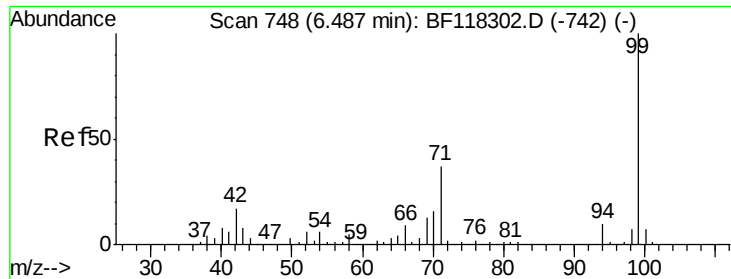
2-Fluorophenol
Concen: 100.207 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion:112 Resp: 869409
Ion Ratio Lower Upper
112 100
64 52.8 39.7 59.5
63 29.2 21.7 32.5



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: 102.133 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

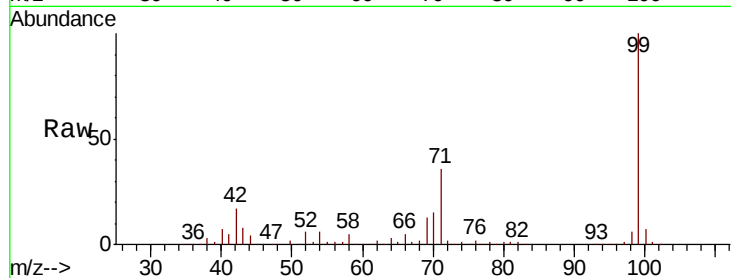
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1099250

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.5	20.3
71	36.4	29.4	44.2

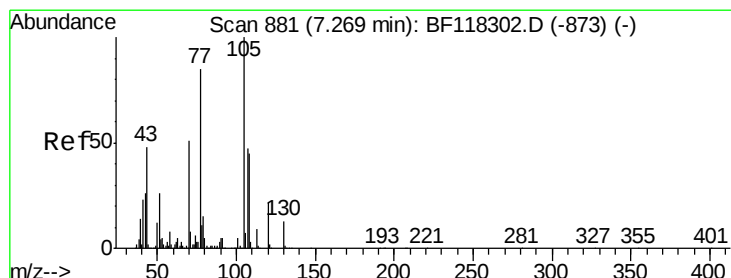
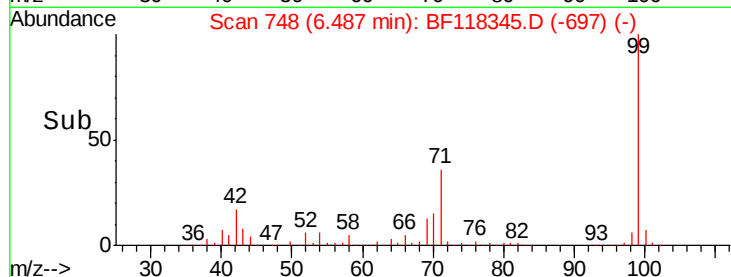
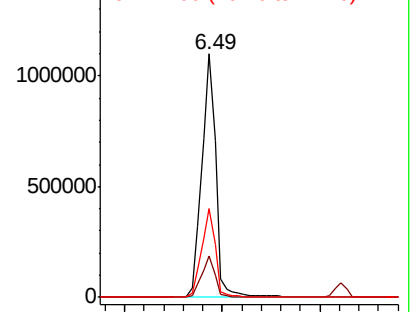


Abundance

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: 13.507 ng

RT: 7.42 min Scan# 906

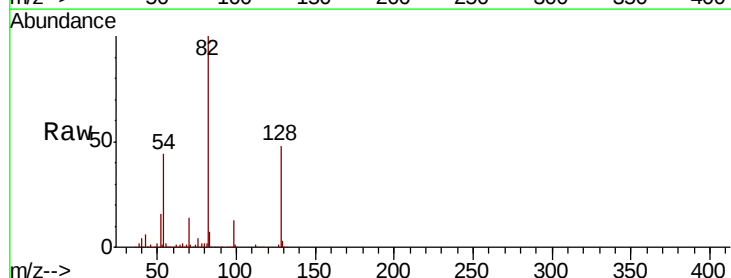
Delta R.T. 0.15 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Tgt Ion: 70 Resp: 89556

Ion	Ratio	Lower	Upper
70	100		
42	44.9	41.1	61.7
101	0.0	8.3	12.5#
130	2.1	20.1	30.1#



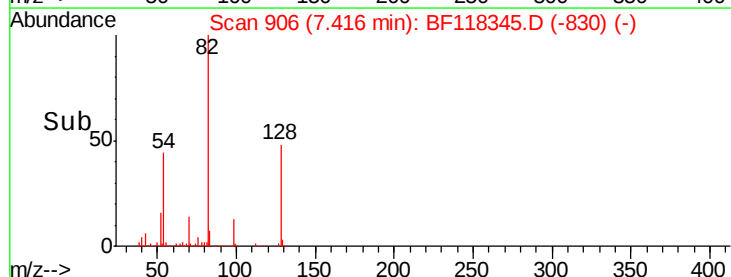
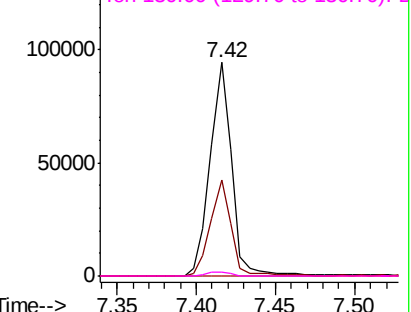
Abundance

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

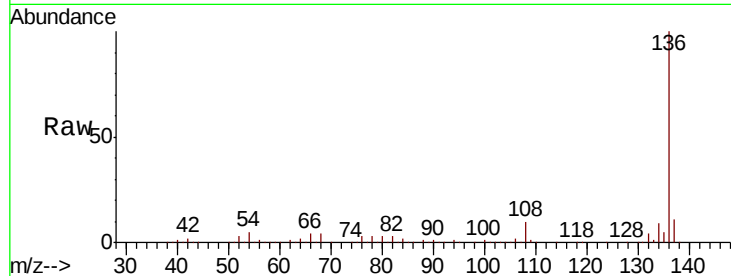




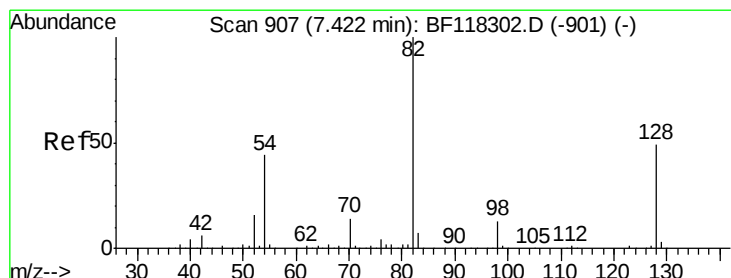
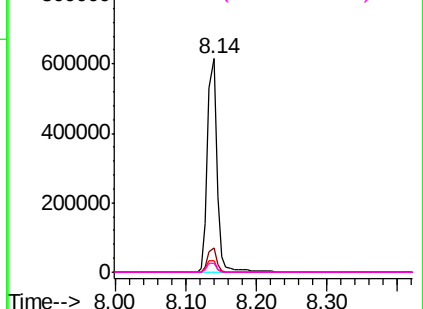
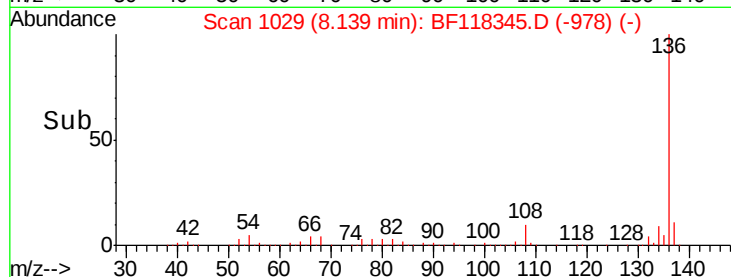
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	582788
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	5.5	4.2 6.4
68	4.2	3.5 5.3

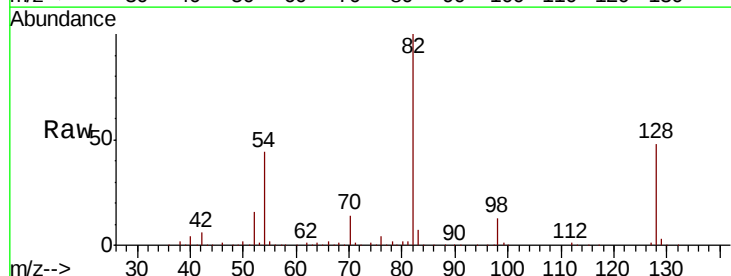


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

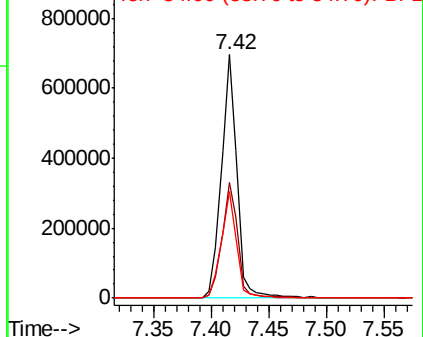
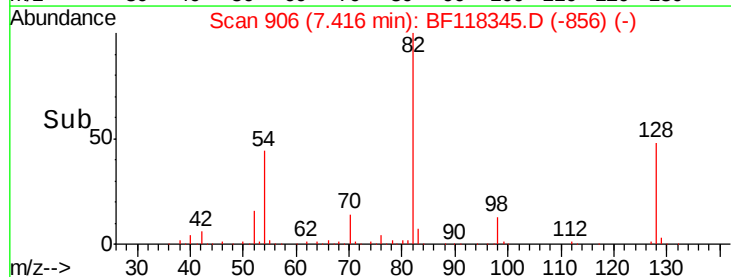


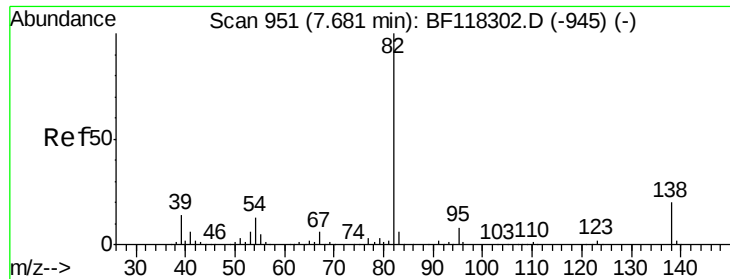
#23
Nitrobenzene-d5
Concen: 64.640 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion: 82	Resp:	658652
Ion Ratio	Lower	Upper
82	100	
128	47.6	39.6 59.4
54	44.0	34.9 52.3



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: 36.887 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampled :

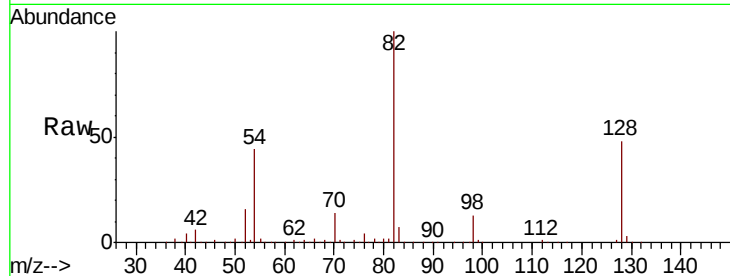
Tot Ion: 82 Resp: 655041

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

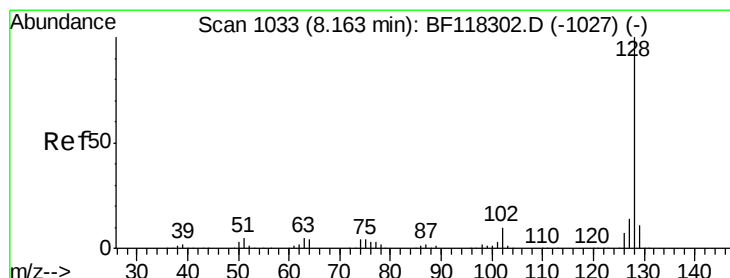
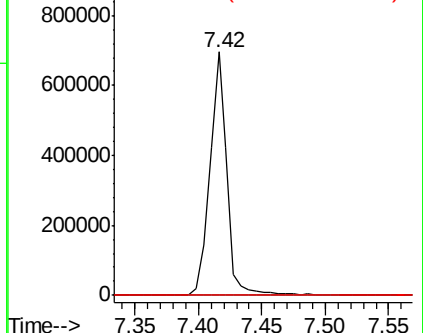
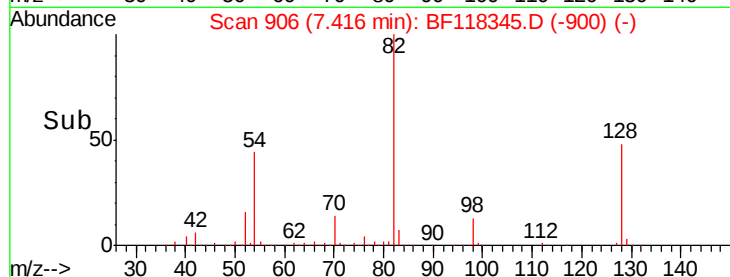
138 0.0 16.2 24.2#



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: 5.704 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

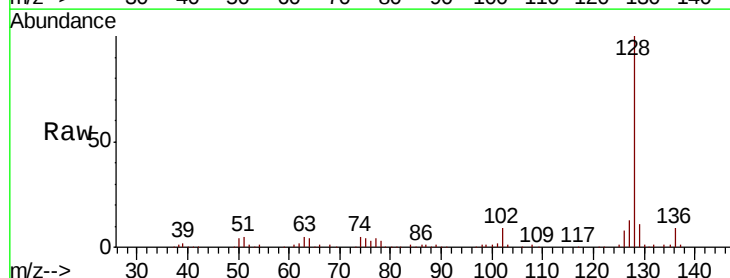
Tgt Ion: 128 Resp: 168954

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

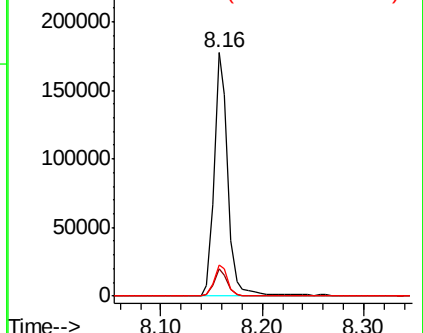
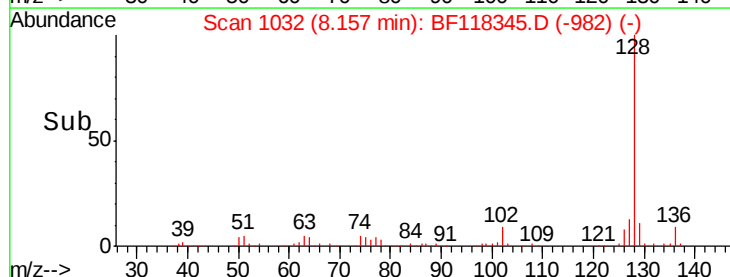
127 13.0 11.0 16.4

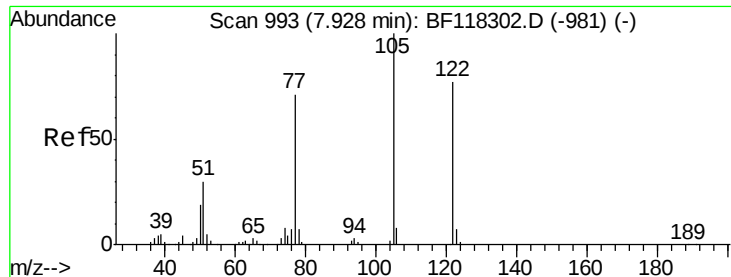


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 5.711 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampleId :

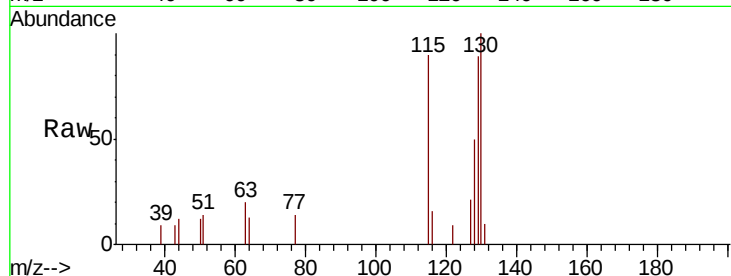
Tot Ion:122 Resp: 241

Ion Ratio Lower Upper

122 100

105 0.0 106.8 146.8#

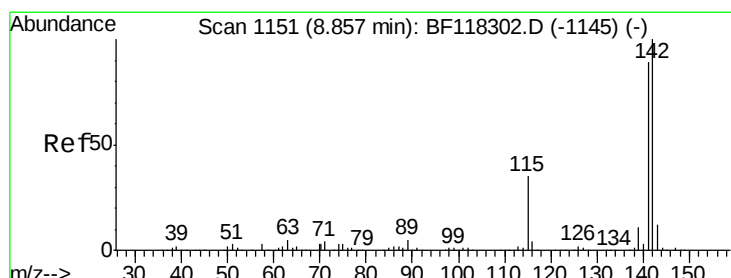
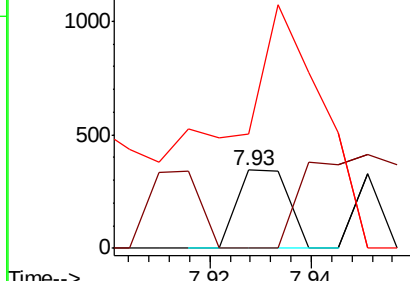
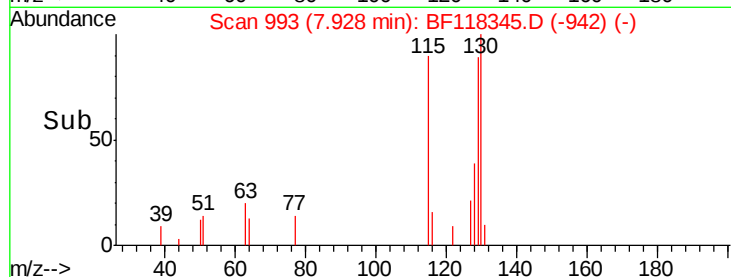
77 146.2 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 2.045 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

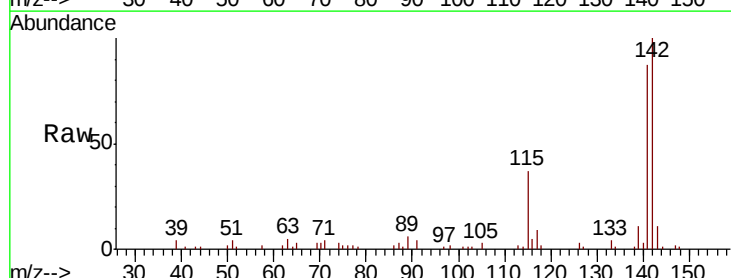
Tgt Ion:142 Resp: 41470

Ion Ratio Lower Upper

142 100

141 86.7 71.2 106.8

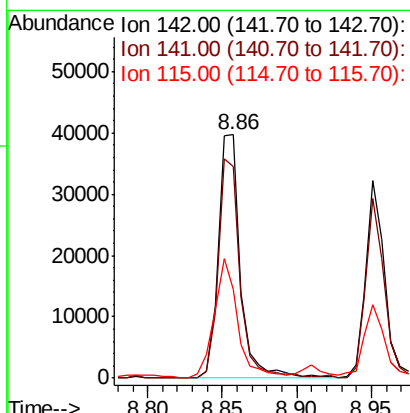
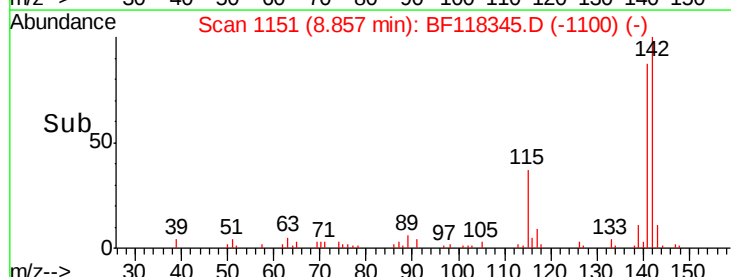
115 36.6 28.0 42.0

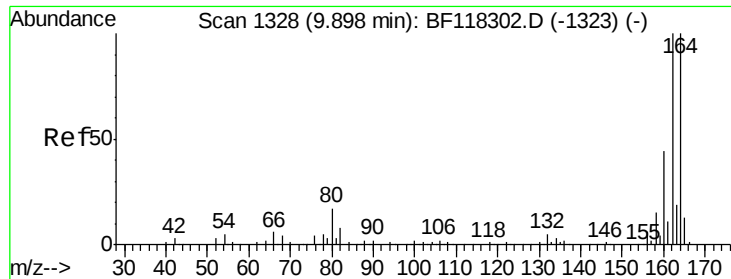


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampleId :

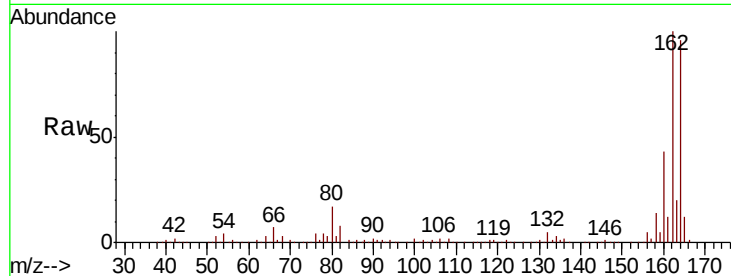
Tot Ion:164 Resp: 306916

Ion Ratio Lower Upper

164 100

162 103.7 80.0 120.0

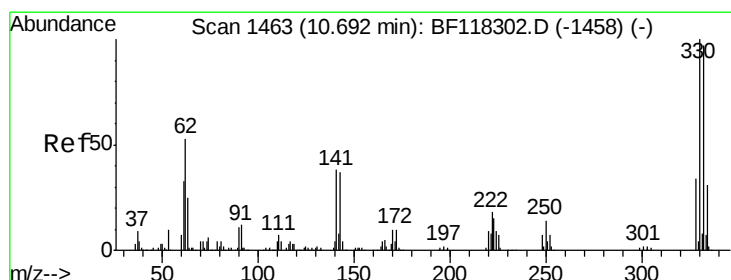
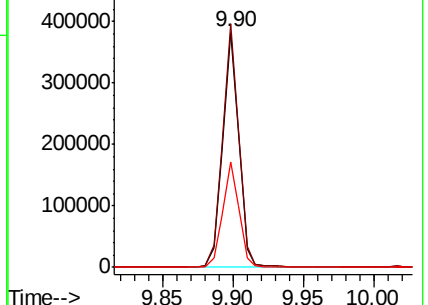
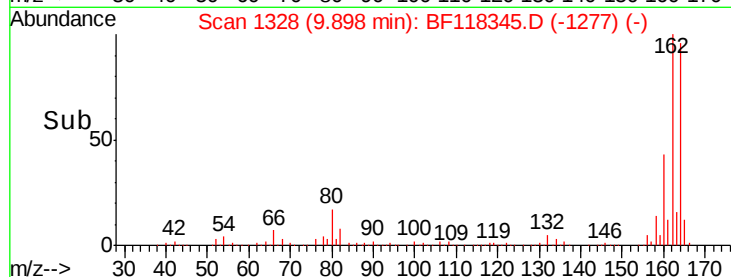
160 45.1 34.8 52.2



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: 95.049 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

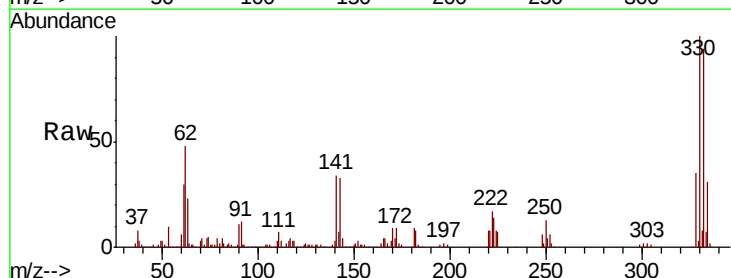
Tgt Ion:330 Resp: 360252

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

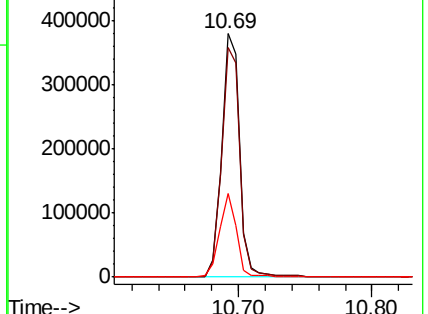
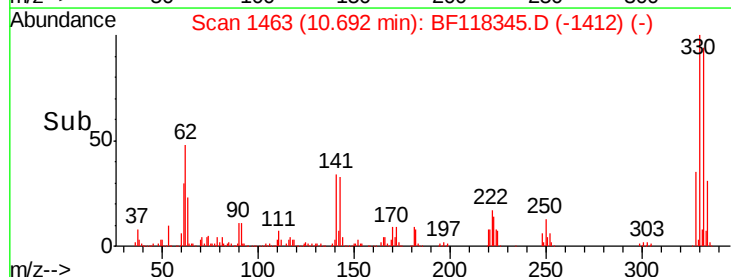
141 32.7 26.0 39.0

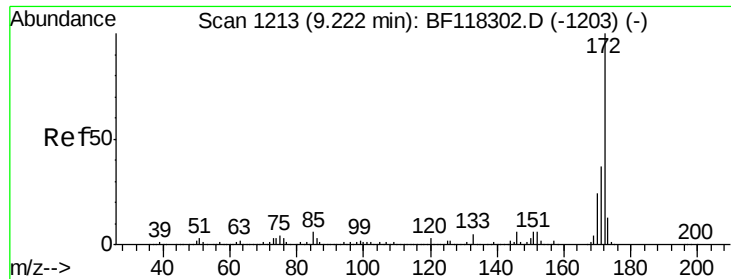


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

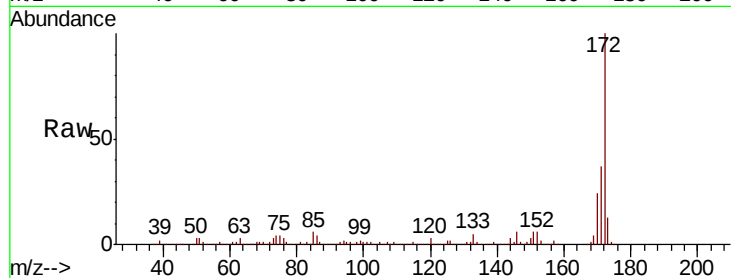




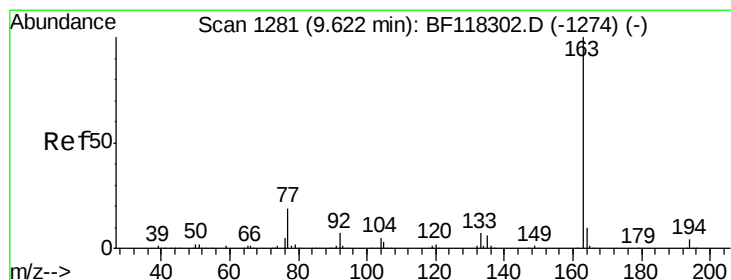
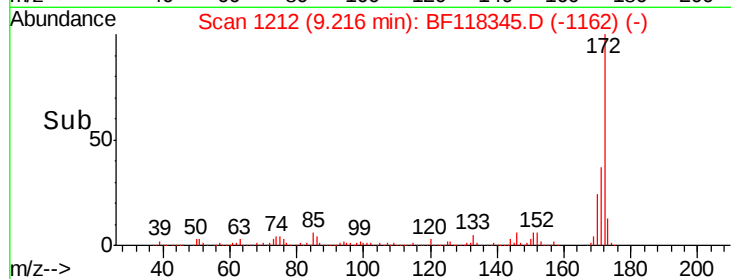
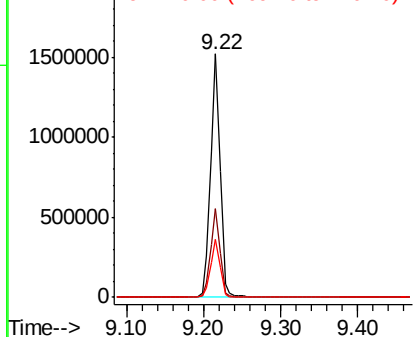
#45
2-Fluorobiphenyl
Concen: 64.624 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1299355
Ion Ratio Lower Upper
172 100
171 36.6 29.3 43.9
170 24.0 19.2 28.8

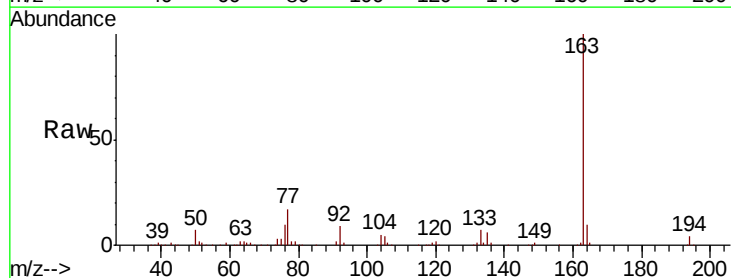


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

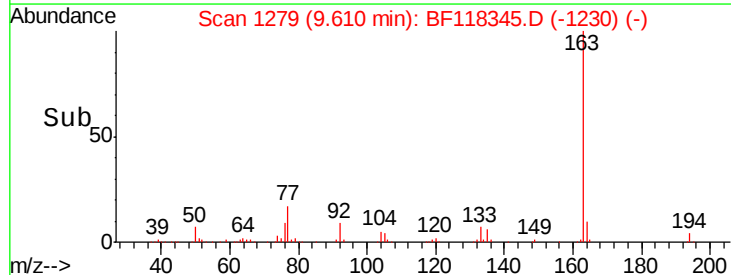
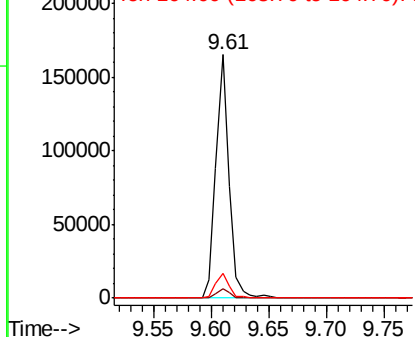


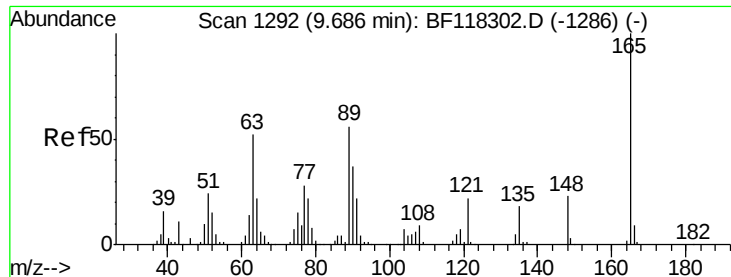
#50
Dimethylphthalate
Concen: 5.664 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion:163 Resp: 130498
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.2 7.9 11.9



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

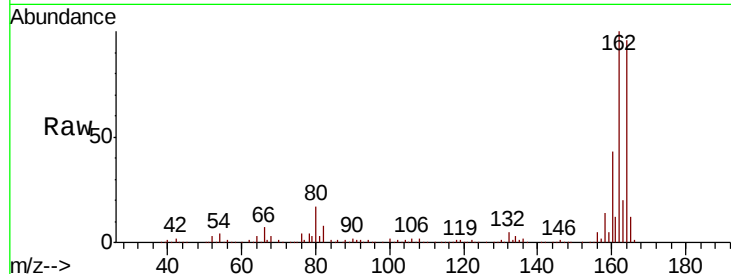




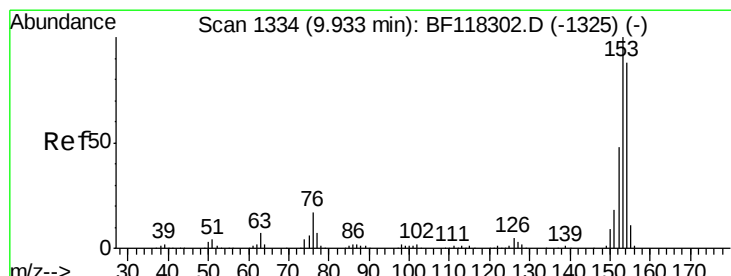
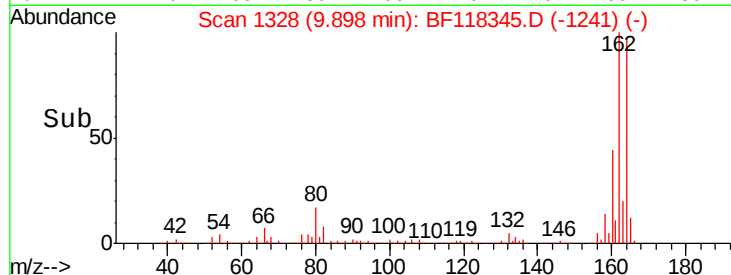
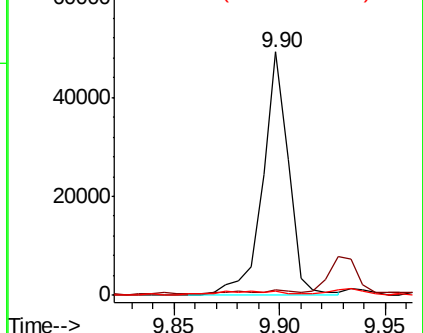
#51
2,6-Dinitrotoluene
Concen: 8.414 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.2	63.4#
89	1.9	44.4	66.6#

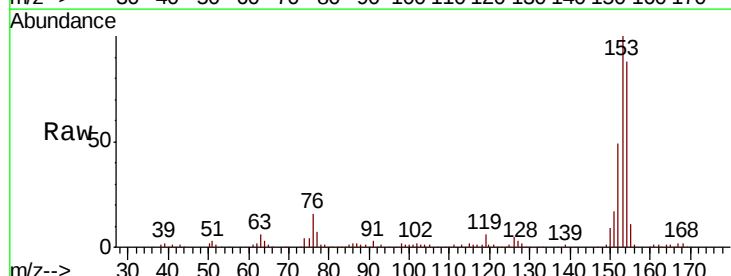


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

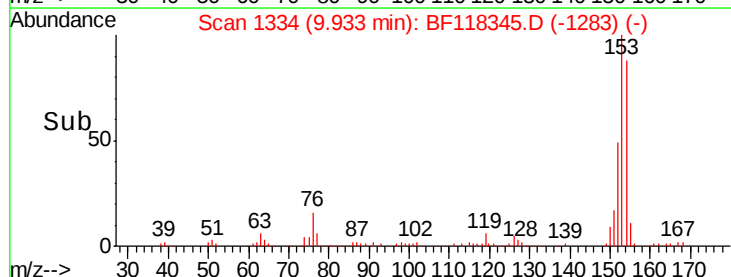
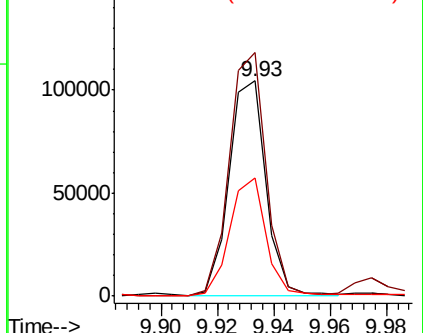


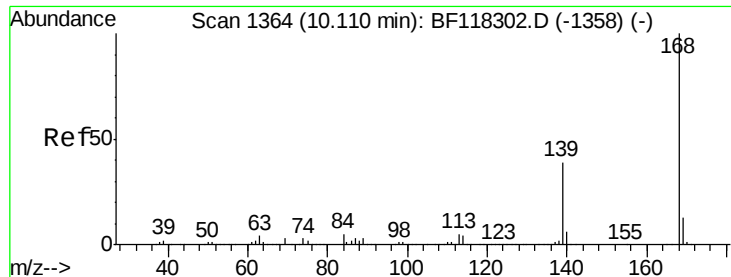
#52
Acenaphthene
Concen: 5.415 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.6	136.0
152	55.0	43.1	64.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

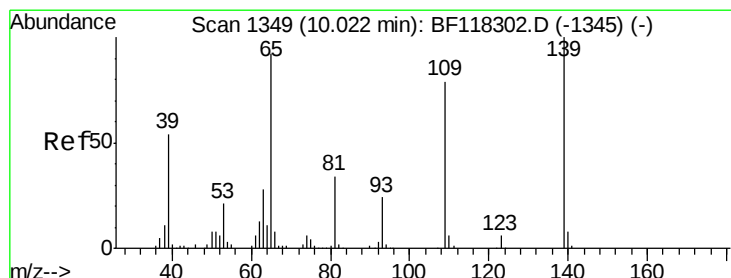
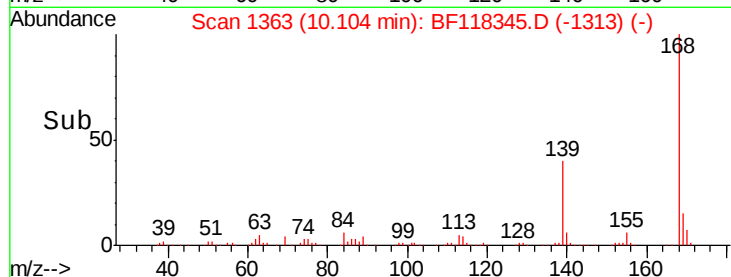
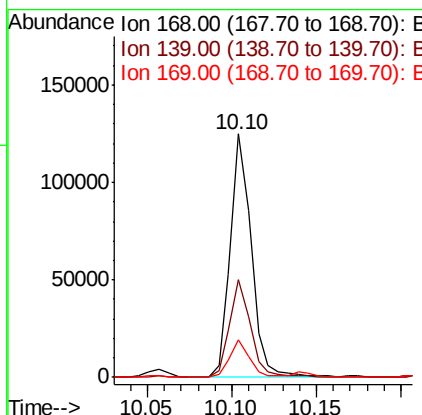
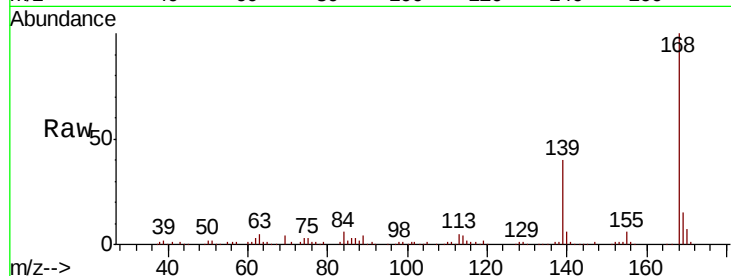




#55
Dibenzenofuran
Concen: 4.168 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

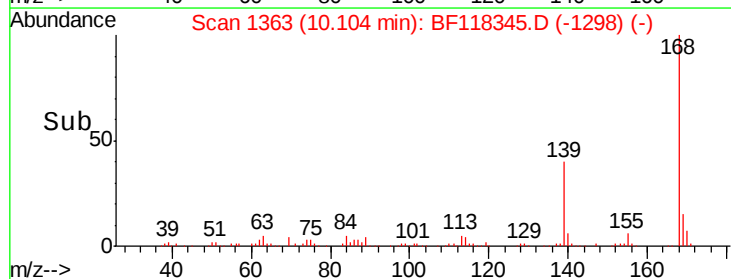
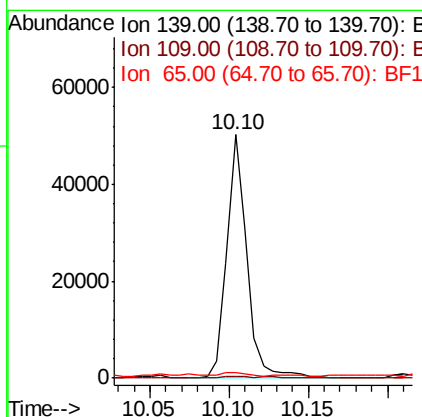
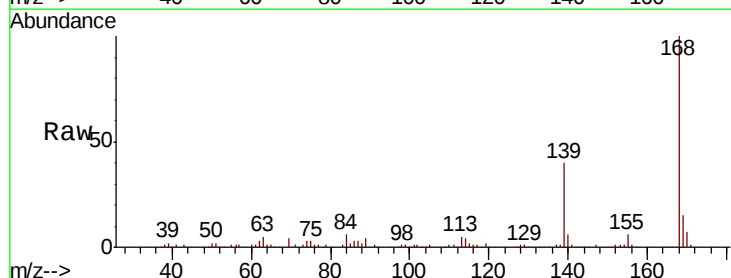
Instrument :
BNA_F
ClientSampleId :

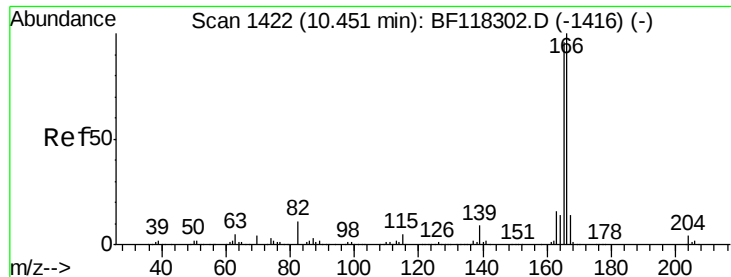
Tot Ion:168 Resp: 108690
Ion Ratio Lower Upper
168 100
139 40.2 31.5 47.3
169 15.3 10.4 15.6



#56
4-Nitrophenol
Concen: 12.260 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion:139 Resp: 44121
Ion Ratio Lower Upper
139 100
109 0.8 59.3 99.3#
65 2.3 72.4 112.4#

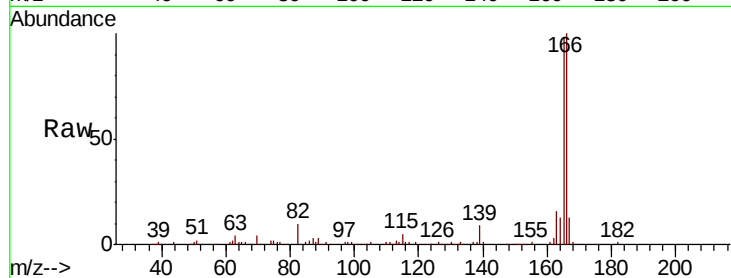




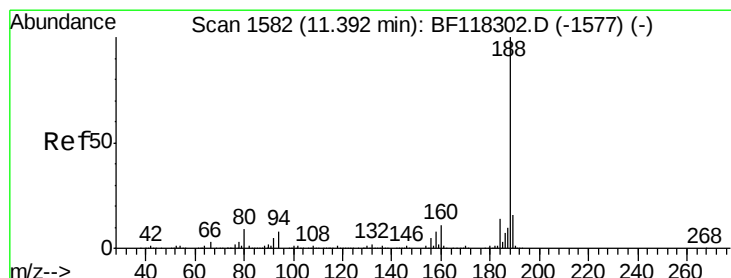
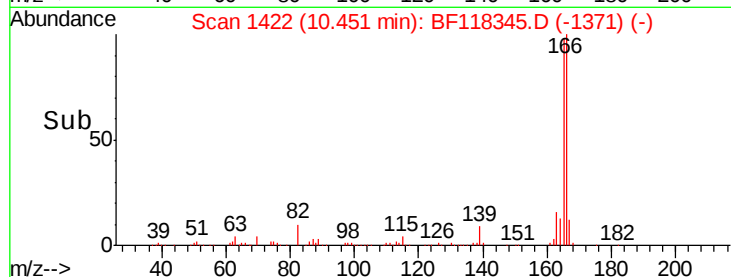
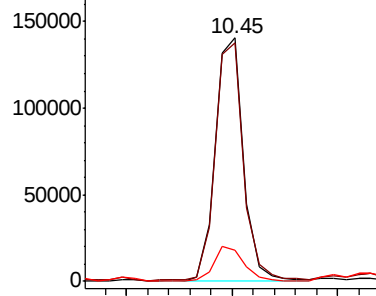
#58
 Fluorene
 Concen: 6.099 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.0	115.4
167	12.7	10.9	16.3

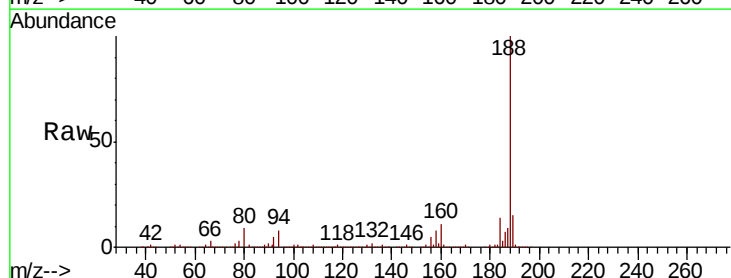


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

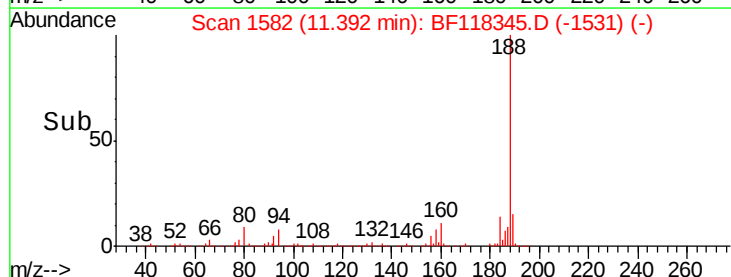
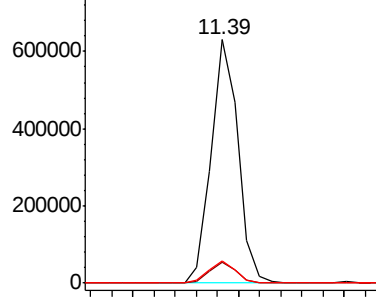


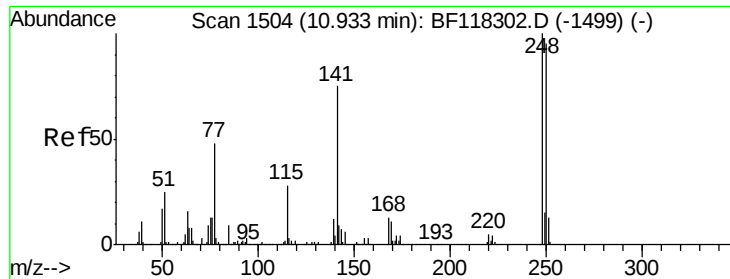
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	9.2	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

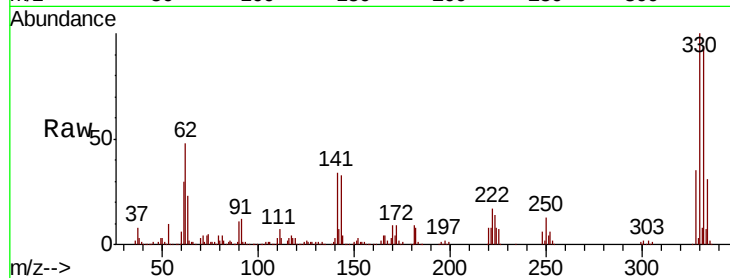




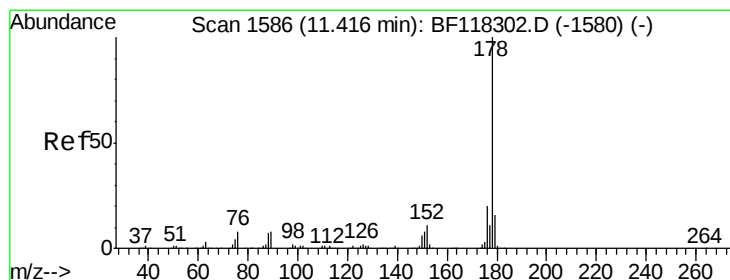
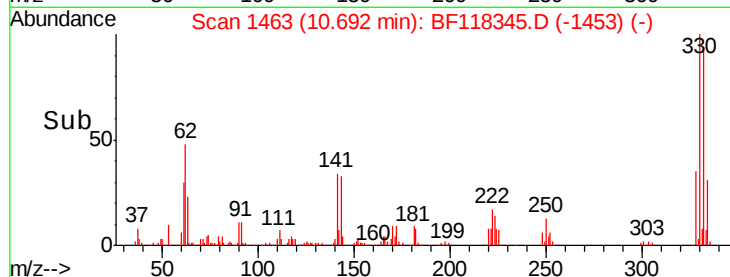
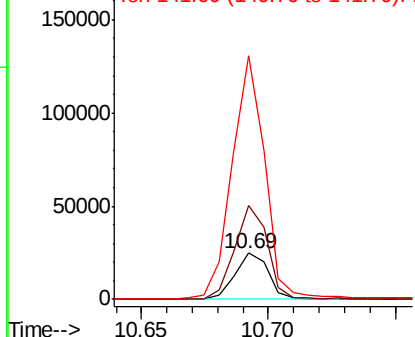
#67
 4-Bromophenyl-phenylether
 Concen: 3.480 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 22562
 Ion Ratio Lower Upper
 248 100
 250 203.8 76.4 114.6#
 141 530.6 60.2 90.2#

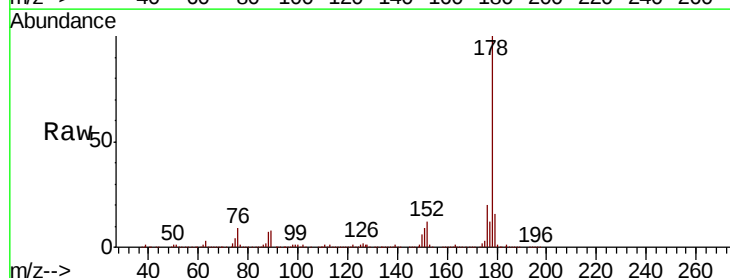


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

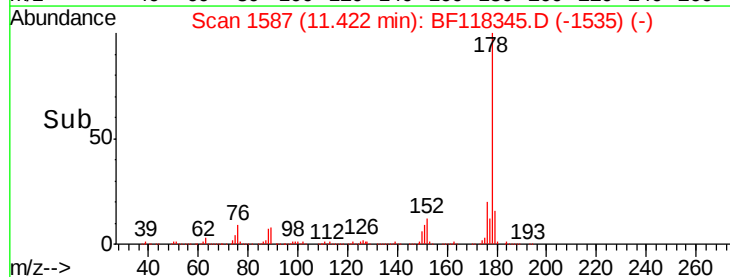
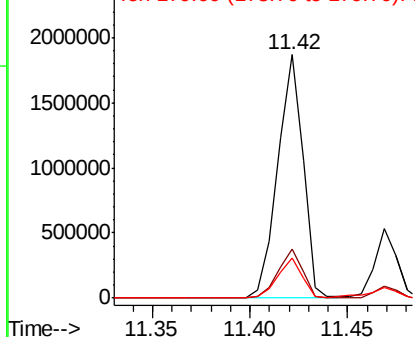


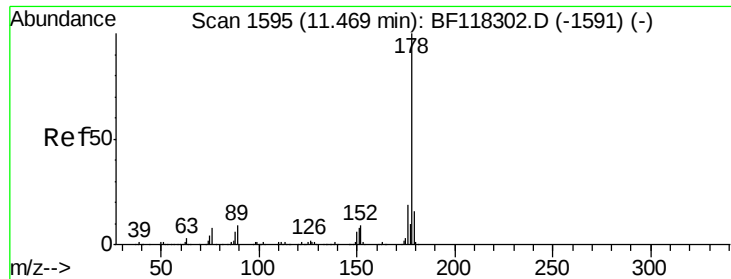
#71
 Phenanthrene
 Concen: 55.565 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Tgt Ion:178 Resp: 1677969
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.6 23.4
 179 16.3 12.6 19.0



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

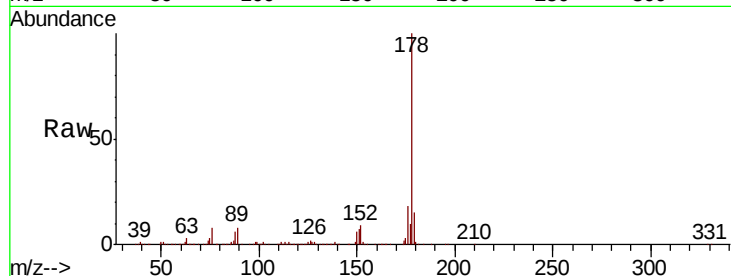




#72
 Anthracene
 Concen: 13.501 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.2	22.8
179	15.2	12.9	19.3

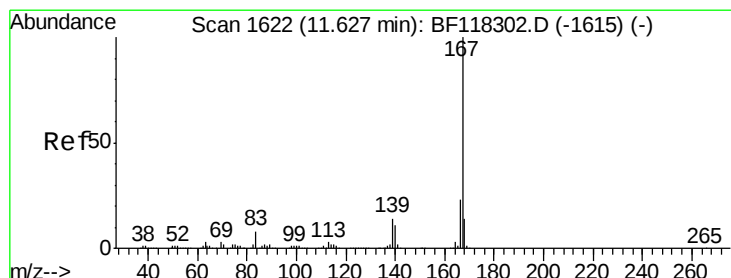
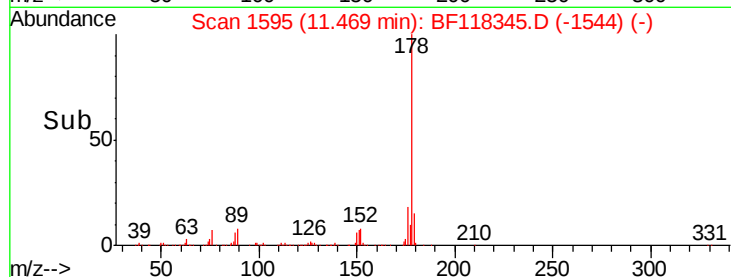
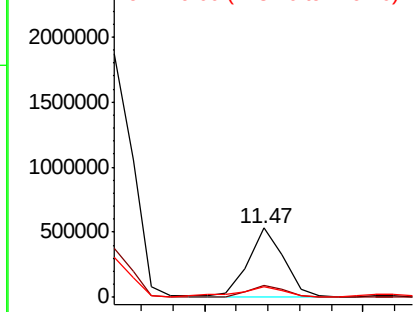


Abundance

Ion 178.00 (177.70 to 178.70): E

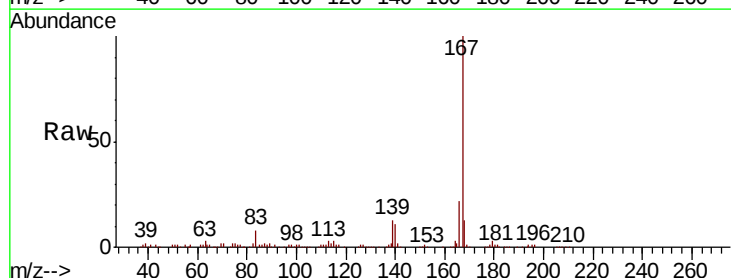
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Carbazole
 Concen: 5.739 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: BF118345.D
 Acq: 27 Dec 2019 18:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	13.4	11.5	17.3

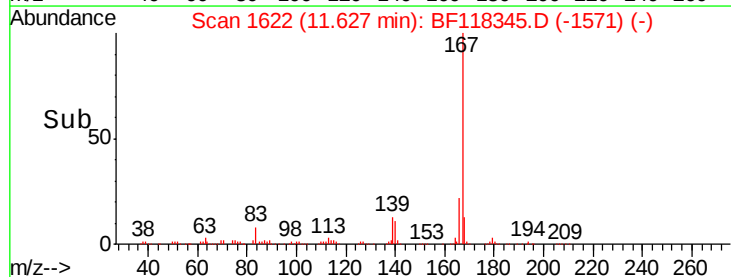
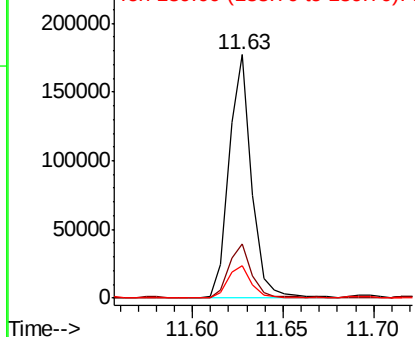


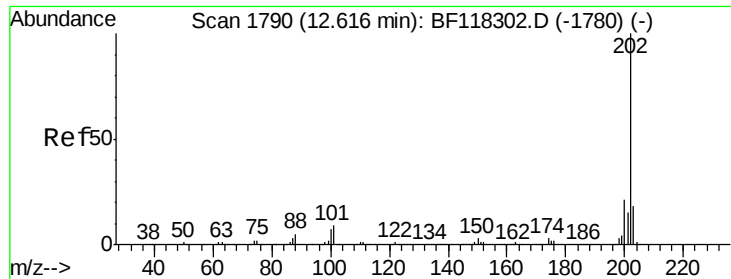
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 62.446 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

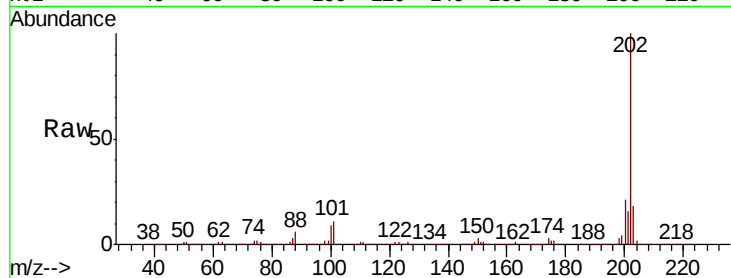
Instrument :

BNA_F

ClientSampled :

Tot Ion:202 Resp: 1903157

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	29.5
203	18.4	0.0	37.6

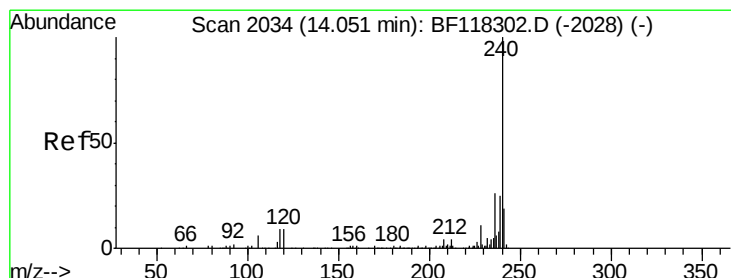
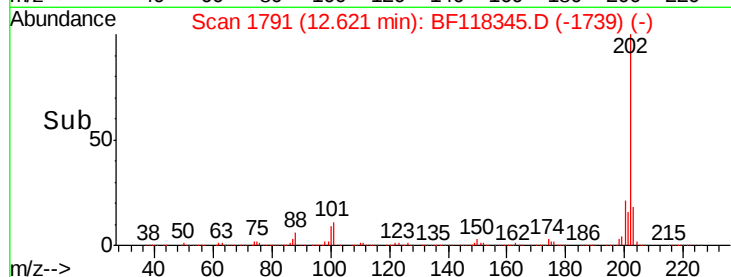
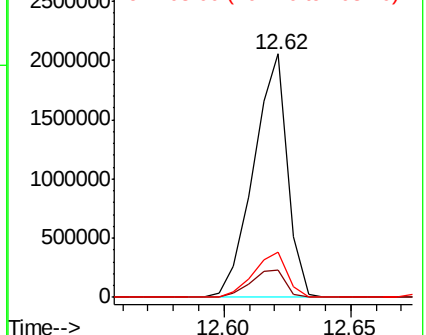


Abundance

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: 14.05 min Scan# 2034

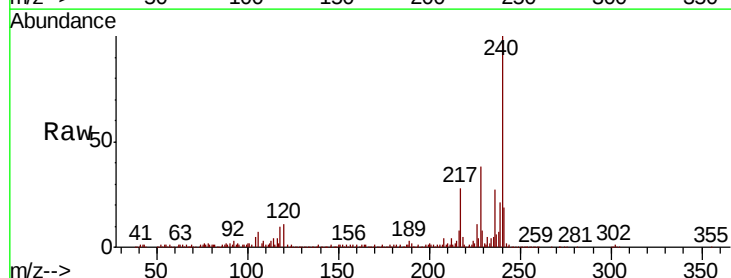
Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Tgt Ion:240 Resp: 341090

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.1	10.7#
236	26.7	21.0	31.6

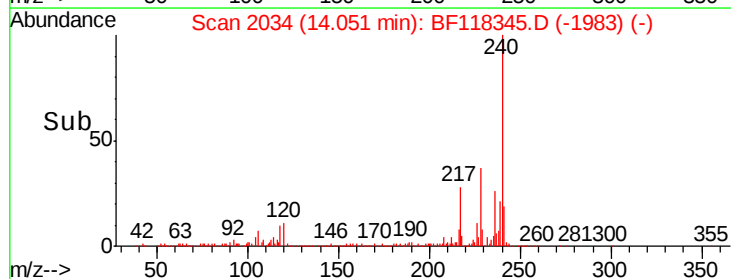
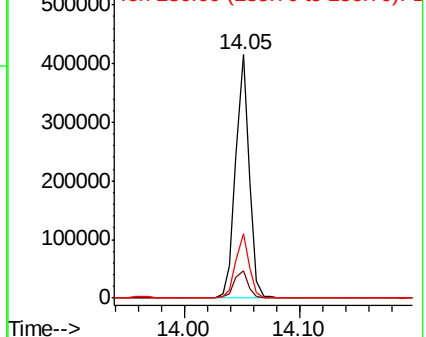


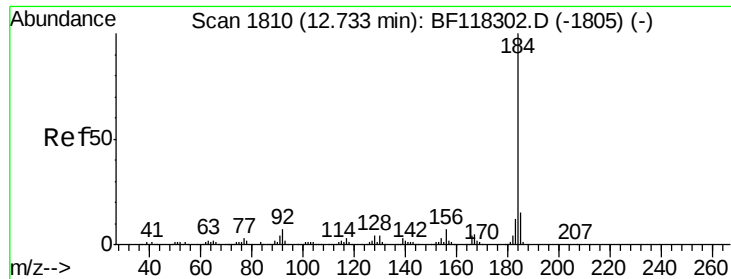
Abundance

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





#77

Benzidine

Concen: 2.041 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.25 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampled :

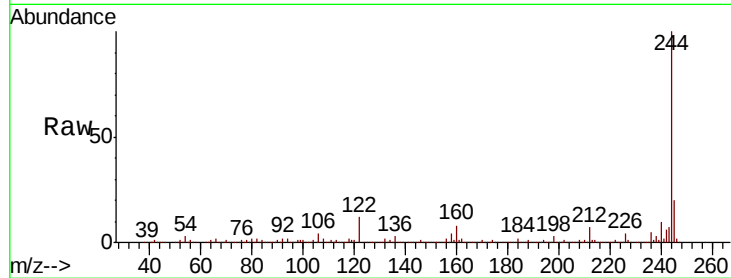
Tot Ion:184 Resp: 19076

Ion Ratio Lower Upper

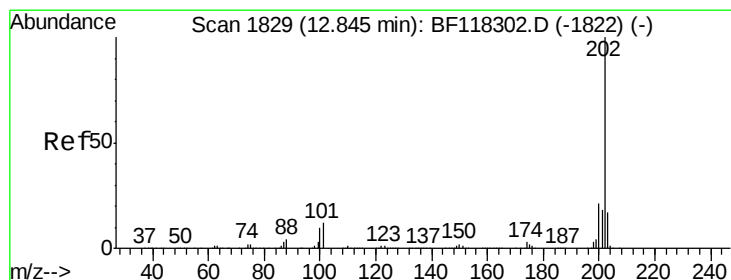
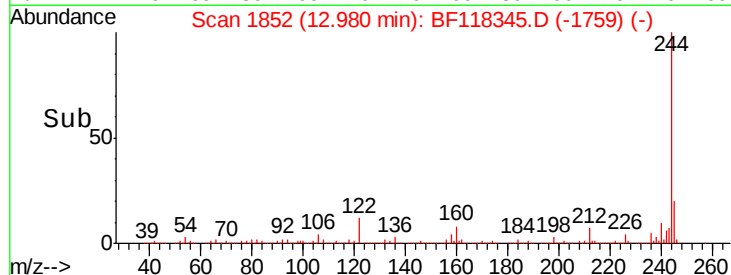
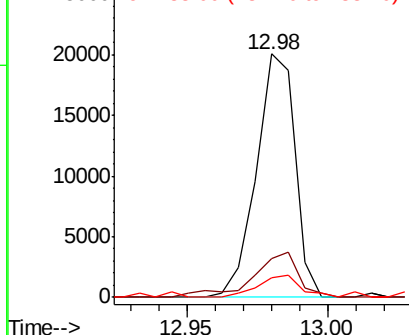
184 100

185 16.1 12.3 18.5

183 8.3 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 58.034 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

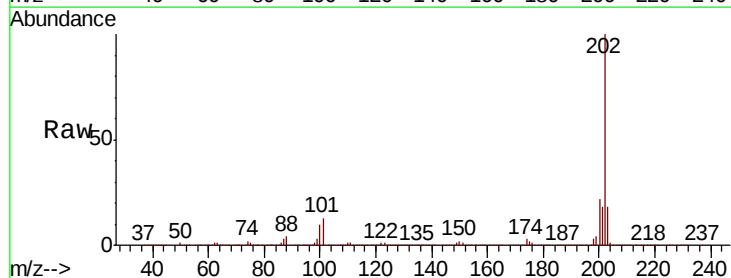
Tgt Ion:202 Resp: 1616451

Ion Ratio Lower Upper

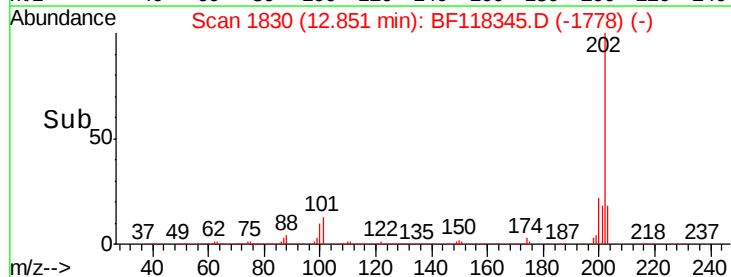
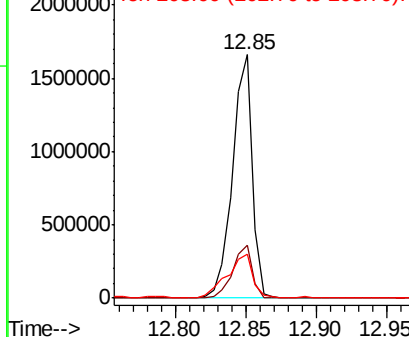
202 100

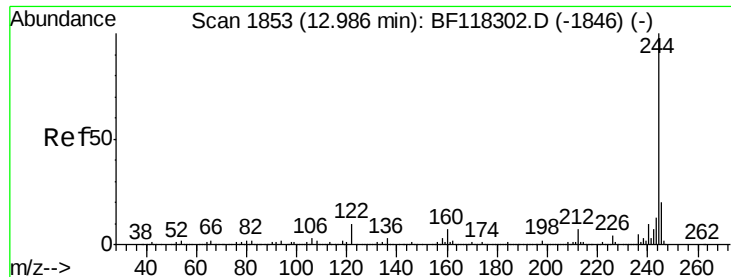
200 21.7 16.8 25.2

203 18.2 13.9 20.9



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: 64.327 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampleId :

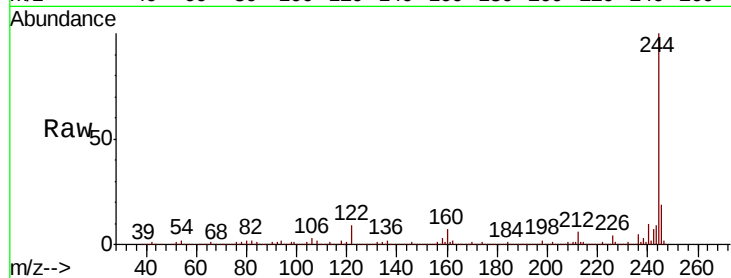
Tot Ion:244 Resp: 1322544

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

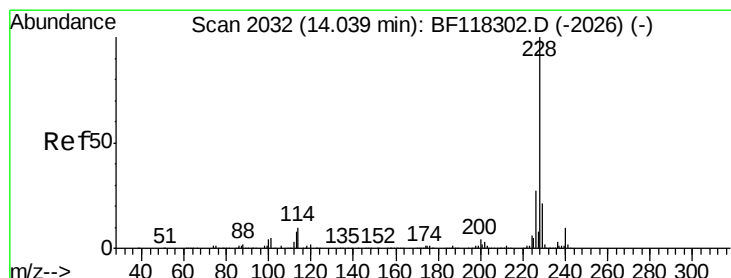
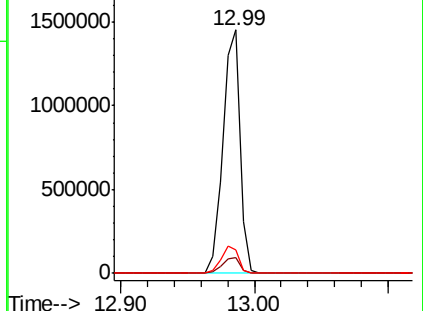
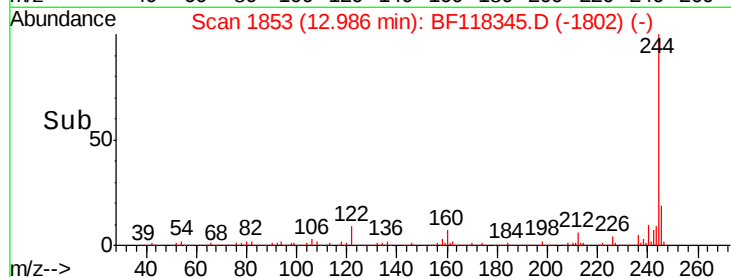
122 9.4 7.8 11.8



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



#81

Benzo(a)anthracene

Concen: 36.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

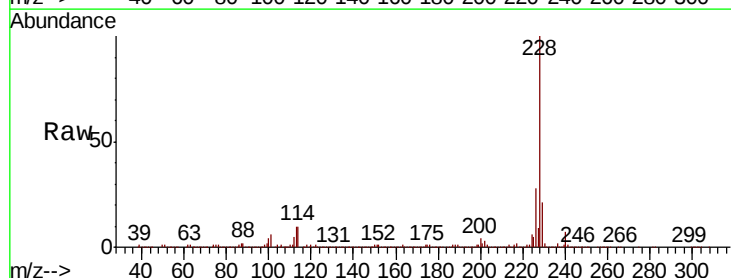
Tgt Ion:228 Resp: 859518

Ion Ratio Lower Upper

228 100

226 27.8 22.0 33.0

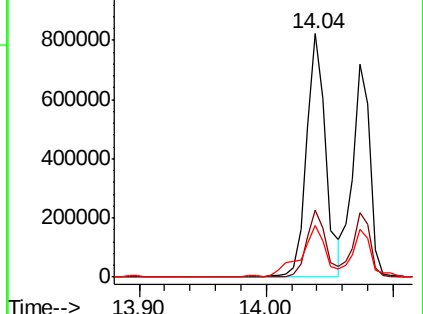
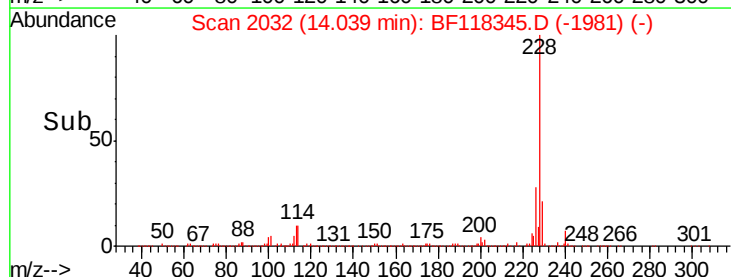
229 21.1 16.6 24.8

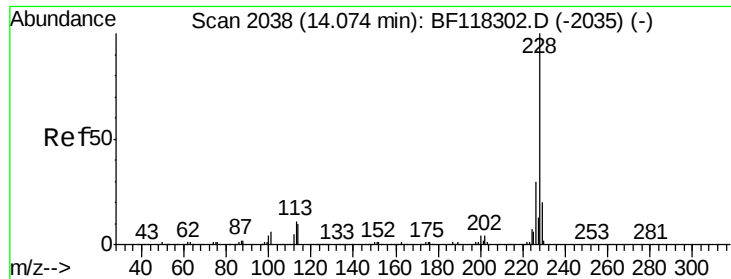


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 29.843 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampled :

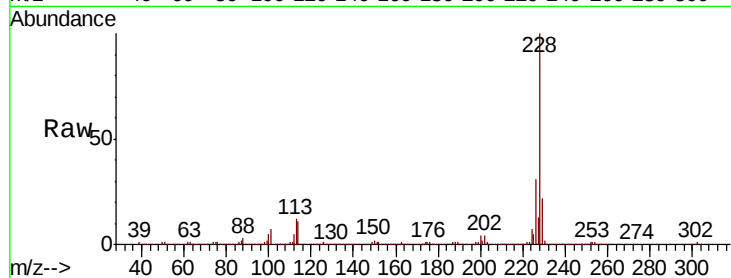
Tot Ion:228 Resp: 682239

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

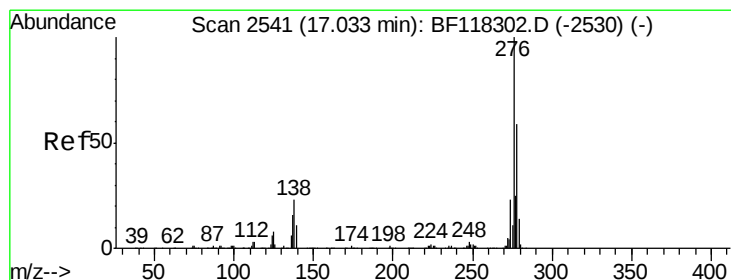
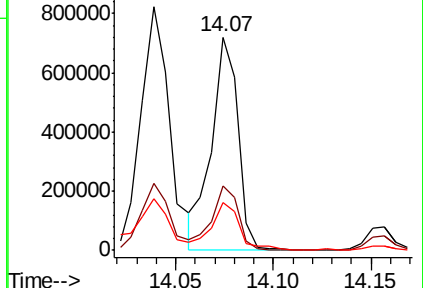
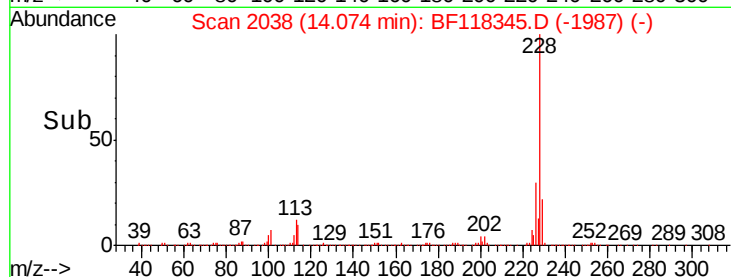
229 22.3 16.1 24.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 25.357 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

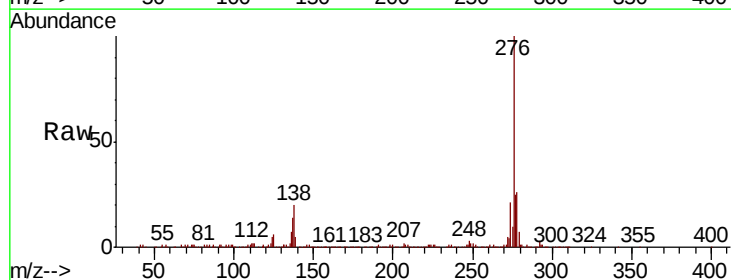
Tgt Ion:276 Resp: 493924

Ion Ratio Lower Upper

276 100

138 20.4 19.5 29.3

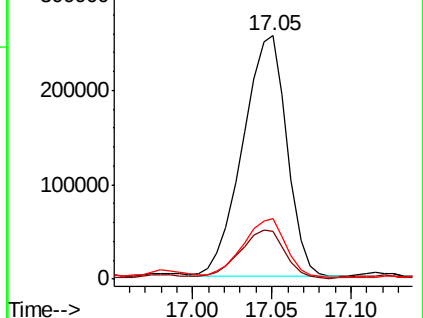
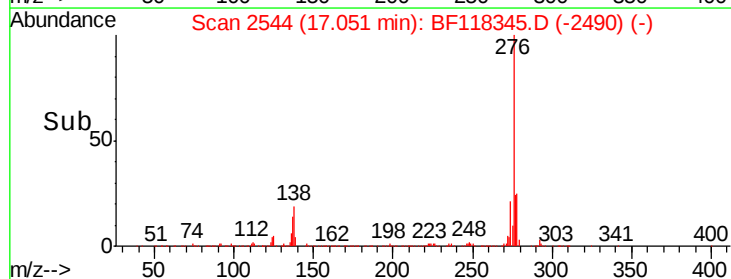
277 24.1 20.6 30.8

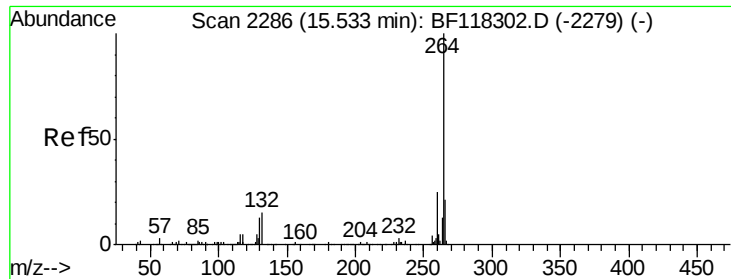


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

Instrument :

BNA_F

ClientSampleId :

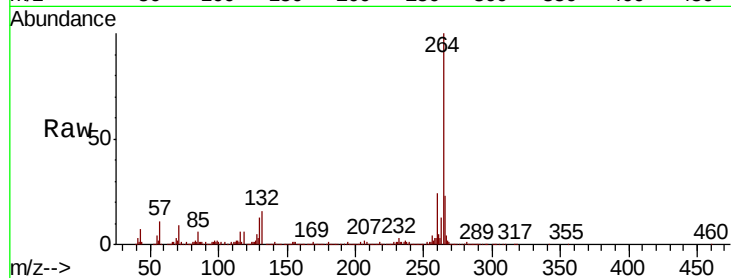
Tot Ion:264 Resp: 397455

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

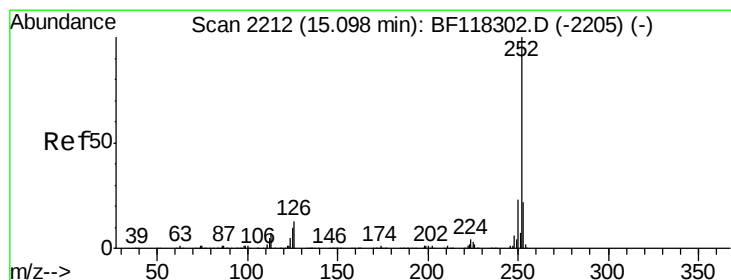
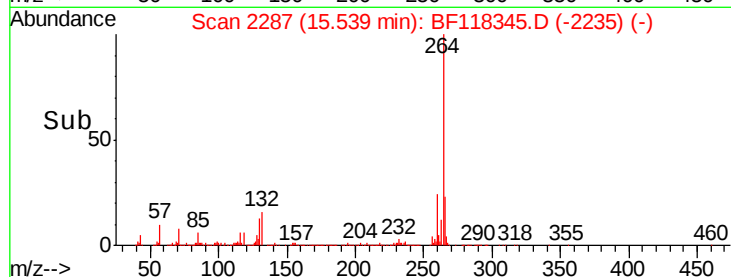
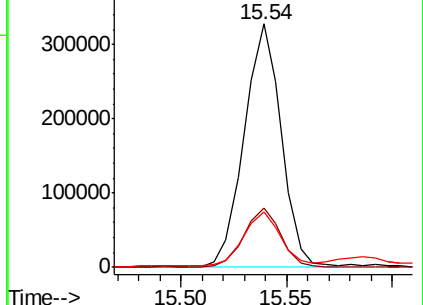
265 22.7 17.0 25.4



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: 50.297 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF118345.D

Acq: 27 Dec 2019 18:40

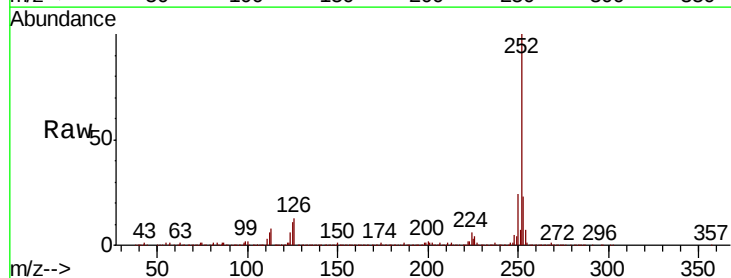
Tgt Ion:252 Resp: 1326987

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

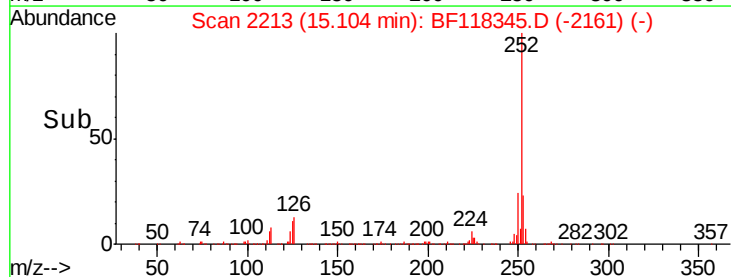
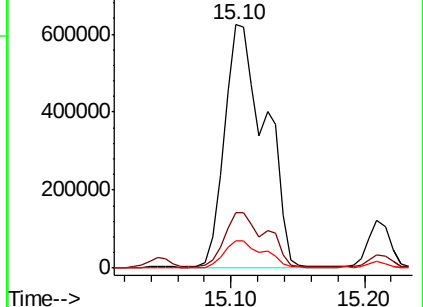
125 11.2 7.7 11.5

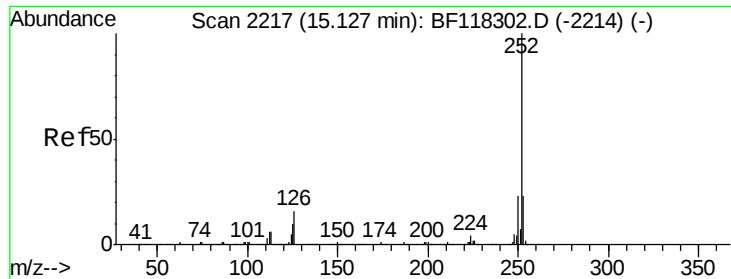


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

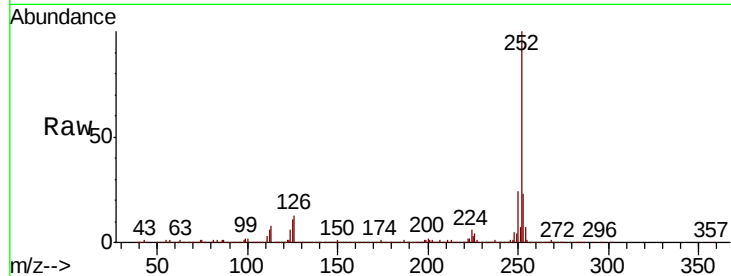




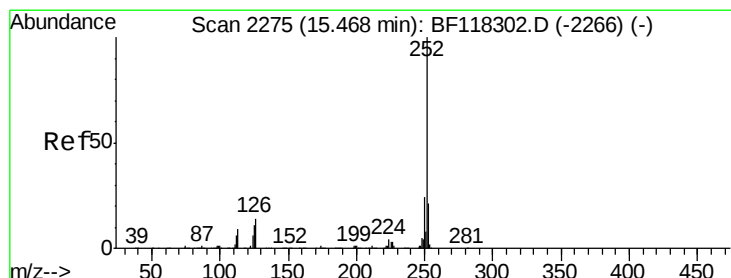
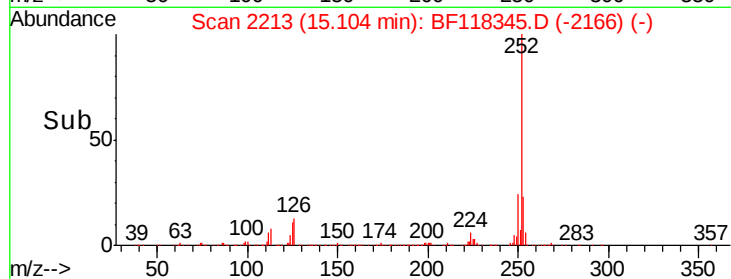
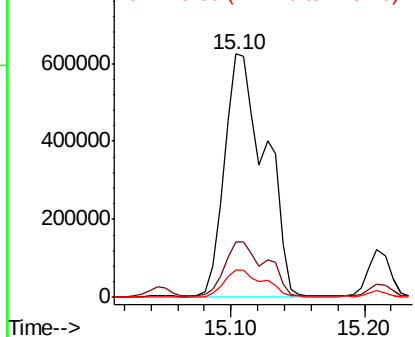
#89
Benzo(k)fluoranthene
Concen: 52.383 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1326987
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.2 8.0 12.0

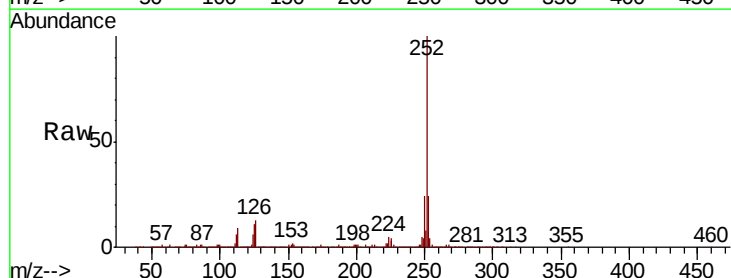


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

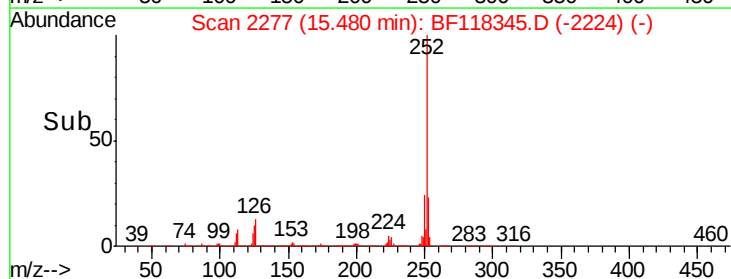
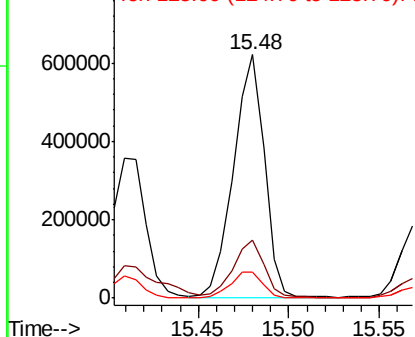


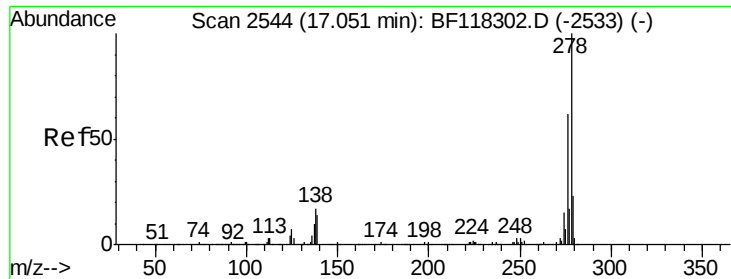
#90
Benzo(a)pyrene
Concen: 31.681 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion:252 Resp: 736299
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 10.5 9.0 13.4



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

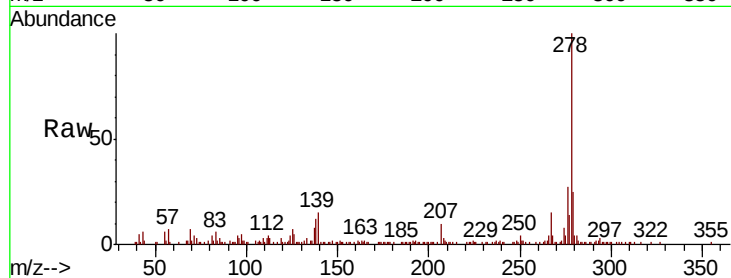




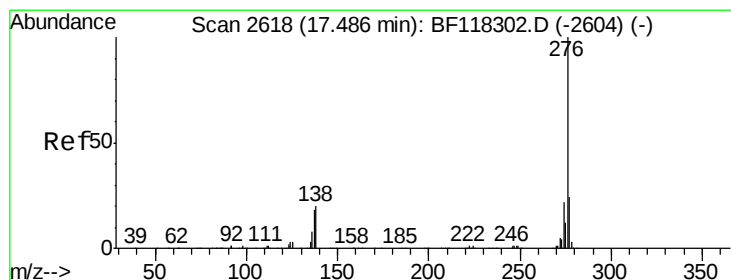
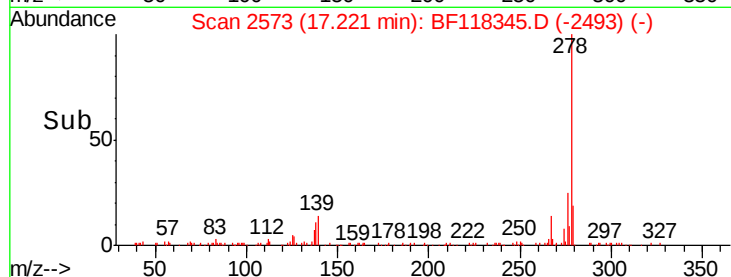
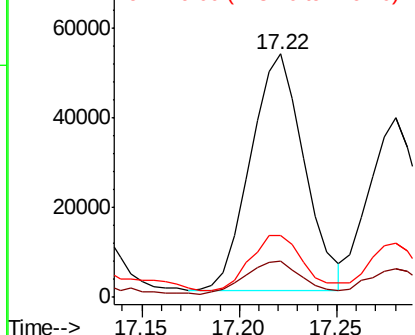
#91
Dibenzo(a,h)anthracene
Concen: 4.981 ng
RT: 17.22 min Scan# 2573
Delta R.T. 0.17 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 100462
Ion Ratio Lower Upper
278 100
139 15.1 11.5 17.3
279 25.5 18.3 27.5

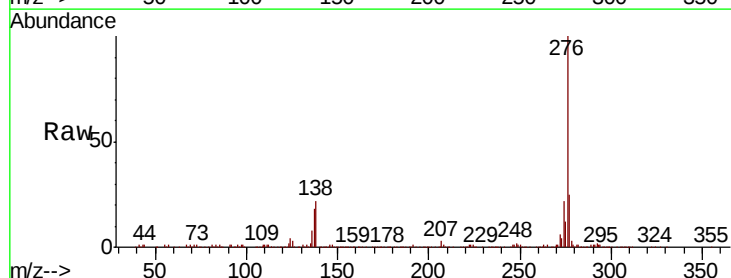


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 22.680 ng
RT: 17.50 min Scan# 2621
Delta R.T. 0.02 min
Lab File: BF118345.D
Acq: 27 Dec 2019 18:40

Tgt Ion:276 Resp: 441871
Ion Ratio Lower Upper
276 100
277 24.7 19.1 28.7
138 22.3 16.1 24.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

