

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116677.D
 Acq On : 31 Aug 2019 3:46
 Operator : HP/JU
 Sample : K4527-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 04:59:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110383	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	430197	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	214287	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	296973	20.00	ng	0.00
76) Chrysene-d12	14.00	240	170738	20.00	ng	0.00
87) Perylene-d12	15.46	264	228707	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	528584	77.58	ng	0.00
7) Phenol-d6	6.47	99	854034	95.46	ng	0.00
23) Nitrobenzene-d5	7.40	82	542423	71.98	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	78964	55.12	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	875428	68.91	ng	0.00
79) Terphenyl-d14	12.95	244	601161	65.14	ng	0.00

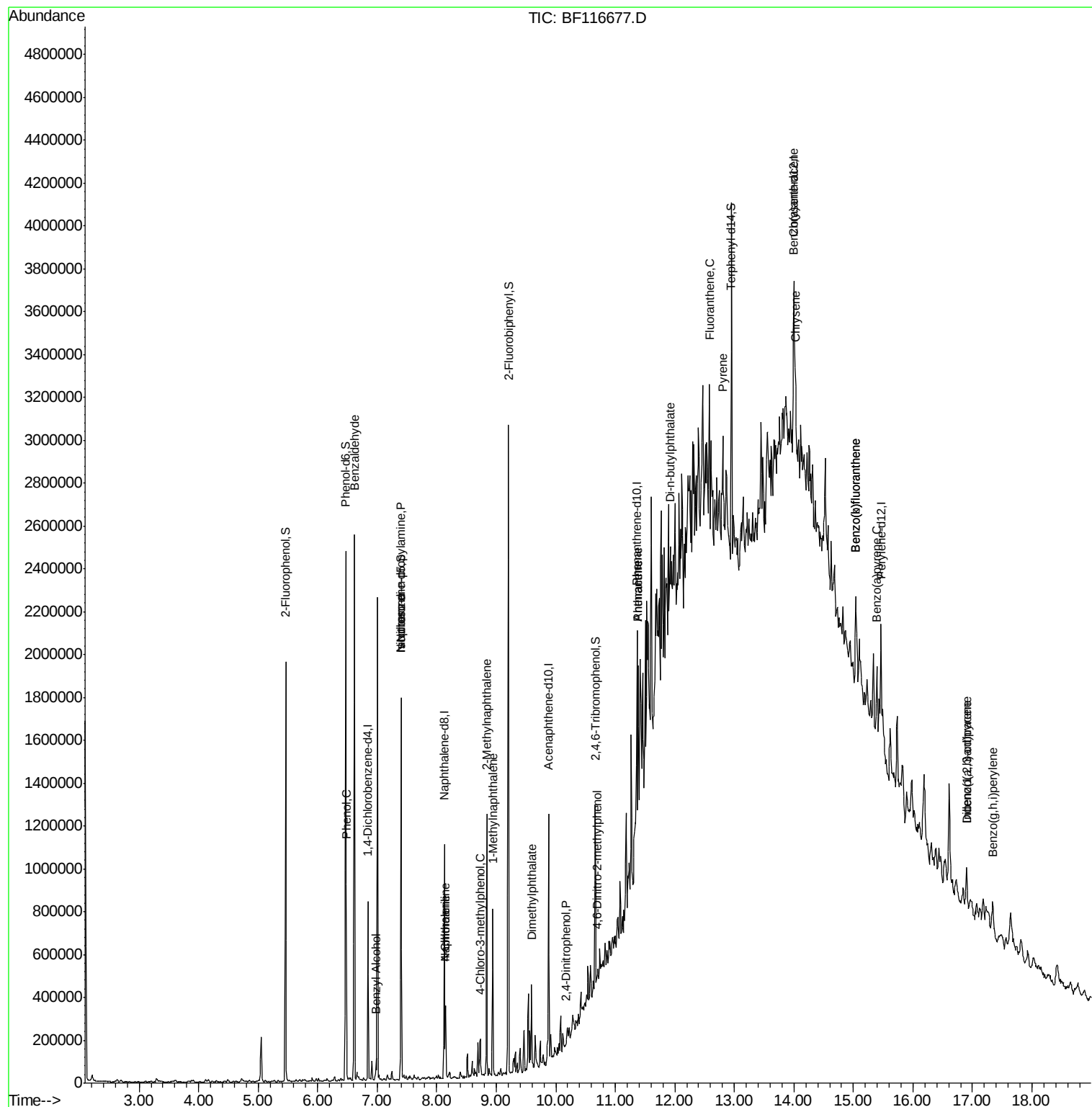
Target Compounds				Qvalue		
9) Benzaldehyde	6.62	77	15373	2.608	ng	84
10) Phenol	6.49	94	41664	4.205	ng	89
15) Benzyl Alcohol	6.98	79	19708	2.714	ng	93
19) n-Nitroso-di-n-propylamine	7.40	70	73425	12.464	ng	# 73
25) Isophorone	7.40	82	539631	35.339	ng	# 66
31) Naphthalene	8.15	128	148065	7.238	ng	100
33) 4-Chloroaniline	8.15	127	21282	2.286	ng	# 36
36) 4-Chloro-3-methylphenol	8.73	107	22091	3.475	ng	# 22
37) 2-Methylnaphthalene	8.84	142	289161	21.245	ng	97
38) 1-Methylnaphthalene	8.94	142	185519	14.439	ng	100
50) Dimethylphthalate	9.59	163	131690	8.901	ng	98
54) 2,4-Dinitrophenol	10.16	184	121	9.148	ng	# 12
65) 4,6-Dinitro-2-methylphenol	10.69	198	264	7.655	ng	# 1
71) Phenanthrene	11.39	178	229011	13.853	ng	98
72) Anthracene	11.39	178	229011	13.762	ng	98
74) Di-n-butylphthalate	11.93	149	108911	5.359	ng	# 94
75) Fluoranthene	12.58	202	309288	19.037	ng	81
78) Pyrene	12.81	202	269439	17.753	ng	# 89
81) Benzo(a)anthracene	13.99	228	126234	11.682	ng	94
83) Chrysene	14.03	228	134044	12.040	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.90	276	126675	14.166	ng	98
88) Benzo(b)fluoranthene	15.04	252	306152	22.141	ng	# 87
89) Benzo(k)fluoranthene	15.04	252	306152	24.284	ng	# 87
90) Benzo(a)pyrene	15.40	252	161189	13.399	ng	# 90
91) Dibenzo(a,h)anthracene	16.91	278	31498	2.991	ng	# 53
92) Benzo(g,h,i)perylene	17.34	276	126970	11.823	ng	# 89

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

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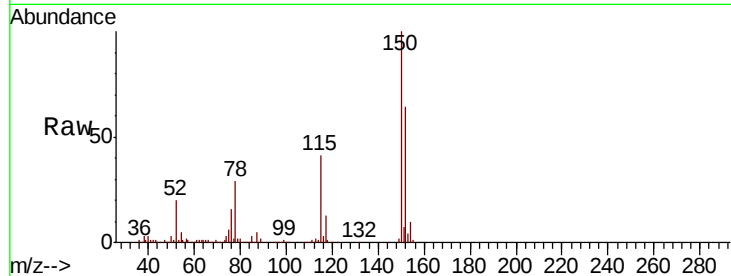


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.4	186.6
115	64.8	49.9	74.9

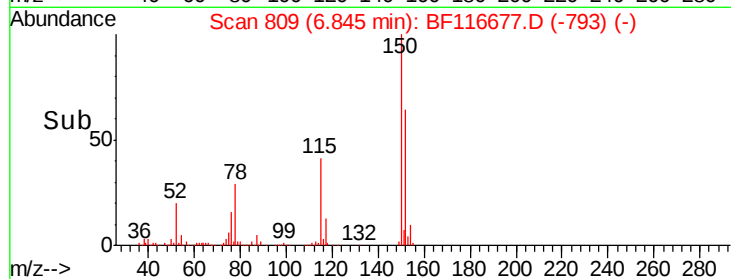
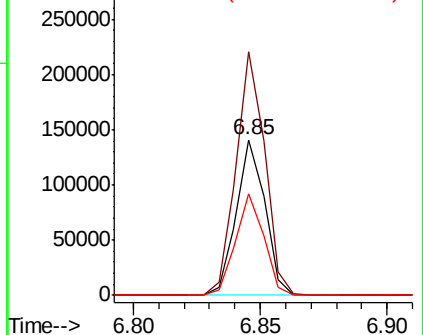


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

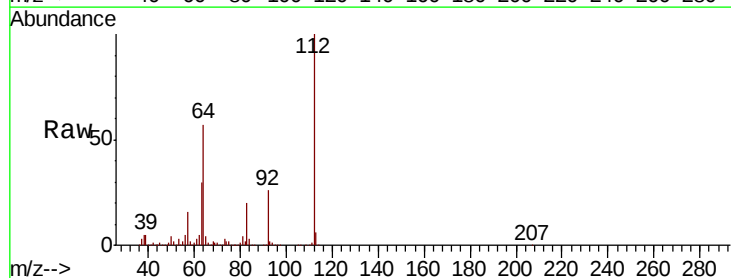
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.579 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.1	70.7
63	29.8	24.9	37.3

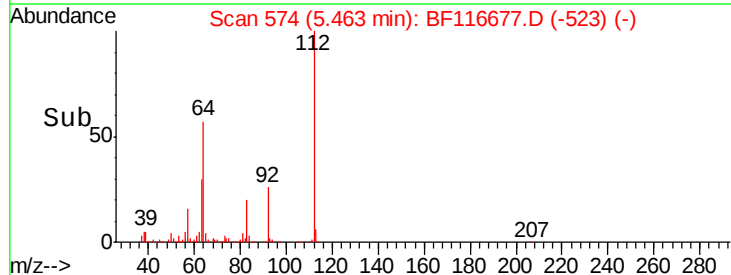
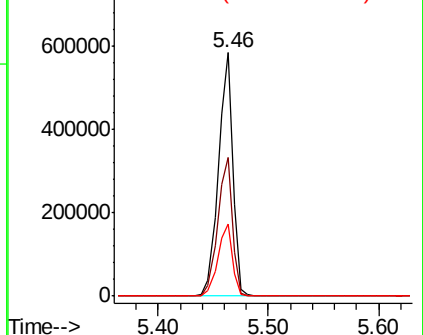


Abundance

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: 95.456 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

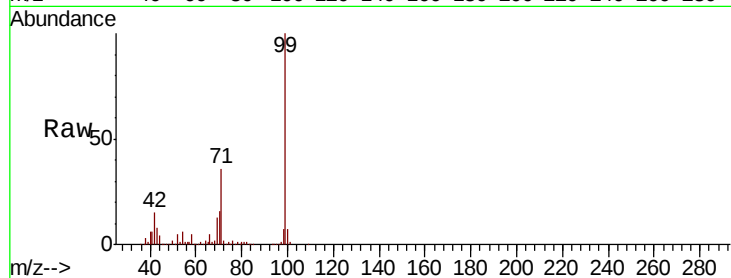
Tot Ion: 99 Resp: 854034

Ion Ratio Lower Upper

99 100

42 15.4 13.7 20.5

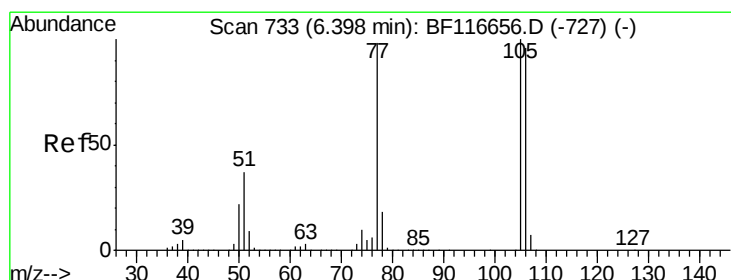
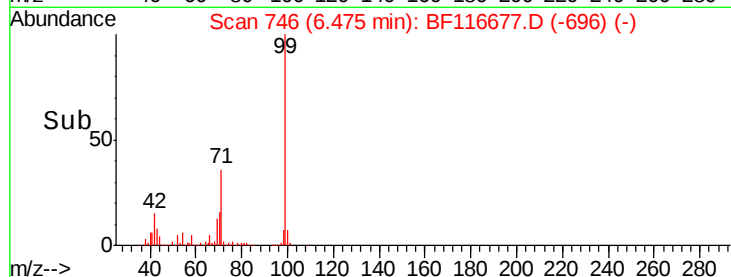
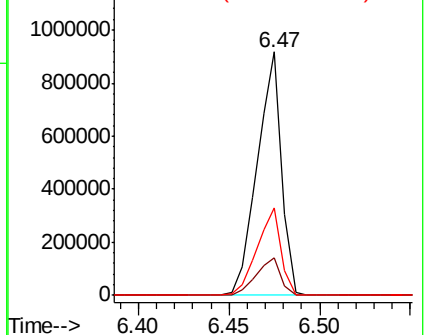
71 35.9 30.8 46.2



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



#9

Benzaldehyde

Concen: 2.608 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

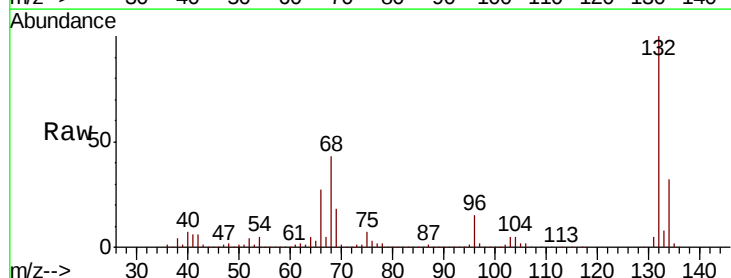
Tgt Ion: 77 Resp: 15373

Ion Ratio Lower Upper

77 100

105 82.0 76.7 116.7

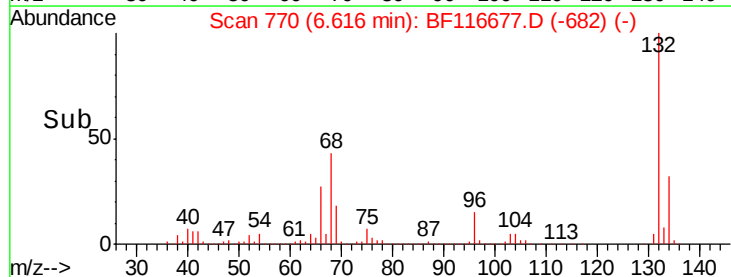
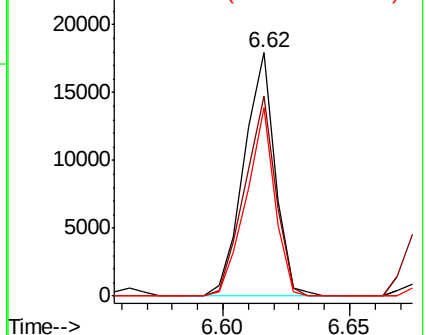
106 77.2 73.1 113.1

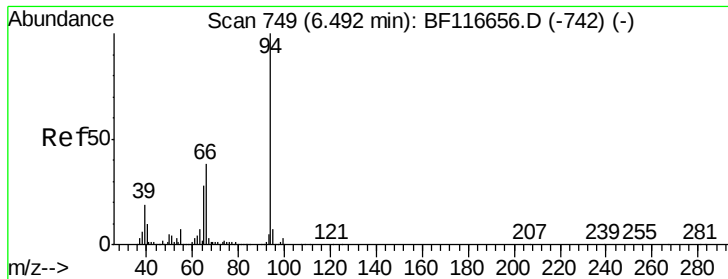


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.205 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

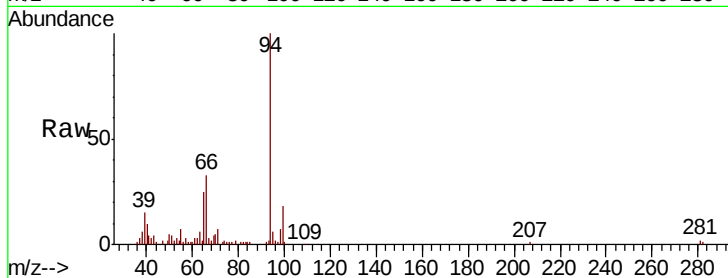
Tot Ion: 94 Resp: 41664

Ion Ratio Lower Upper

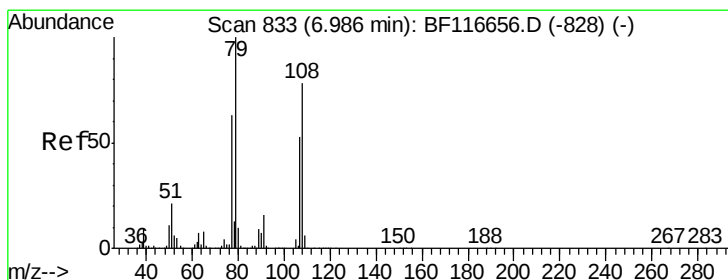
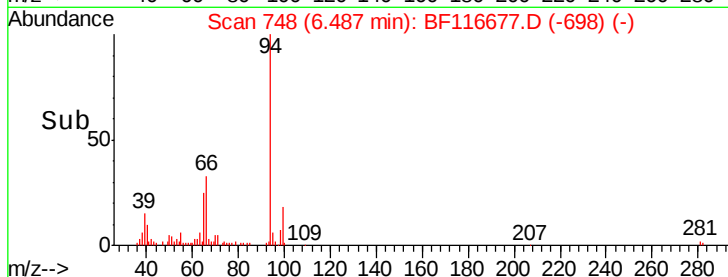
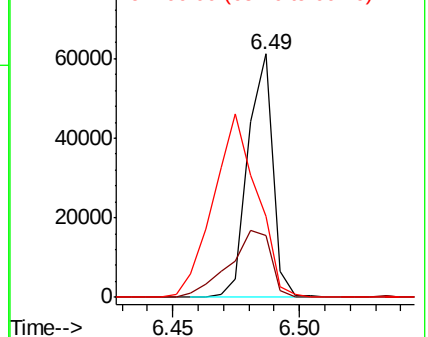
94 100

65 25.5 10.8 50.8

66 33.1 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 2.714 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

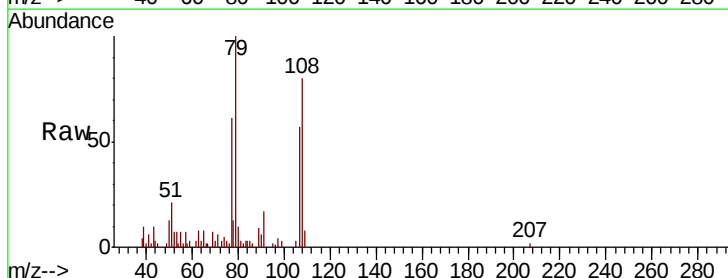
Tgt Ion: 79 Resp: 19708

Ion Ratio Lower Upper

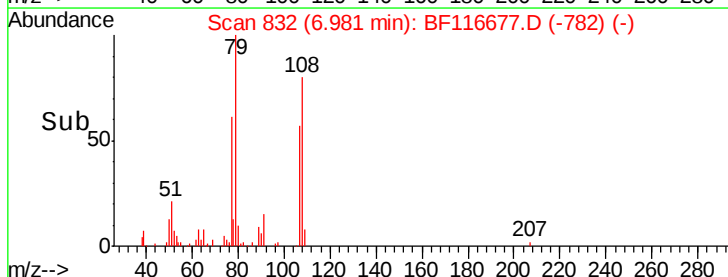
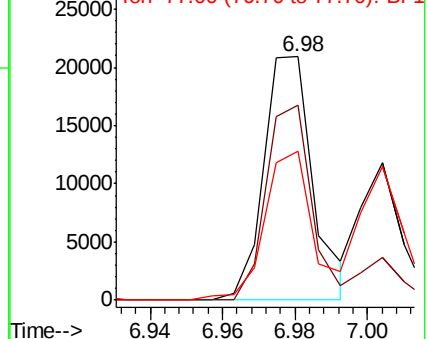
79 100

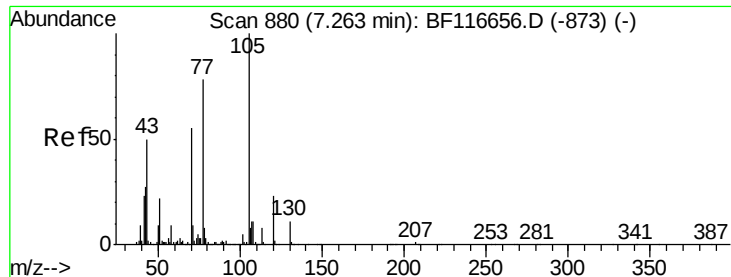
108 80.3 59.2 88.8

77 61.3 53.0 79.4



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

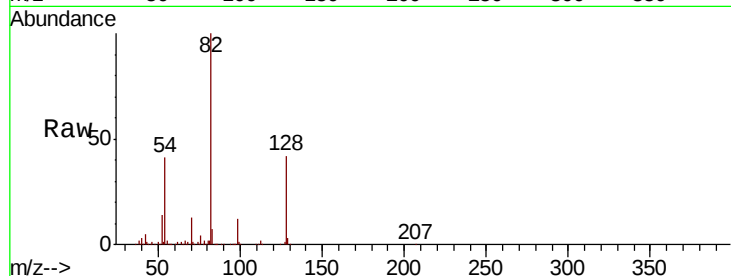




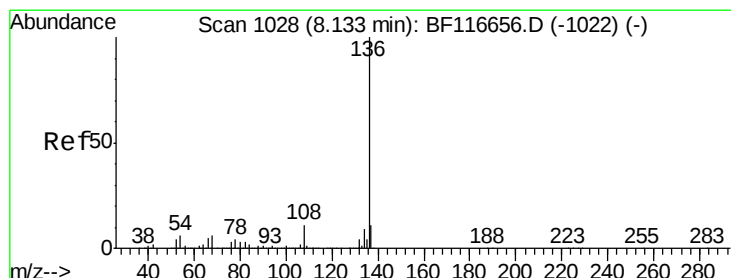
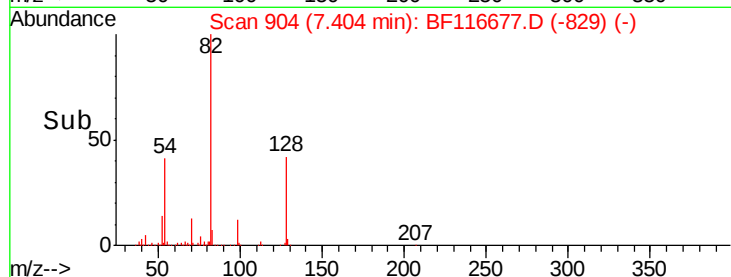
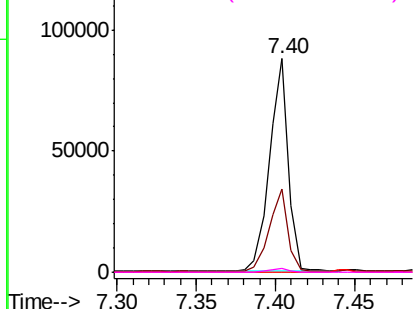
#19
n-Nitroso-di-n-propylamine
Concen: 12.464 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	73425
Ion	Ratio	Lower	Upper
70	100		
42	39.0	43.5	65.3#
101	0.0	7.8	11.6#
130	1.8	16.6	24.8#

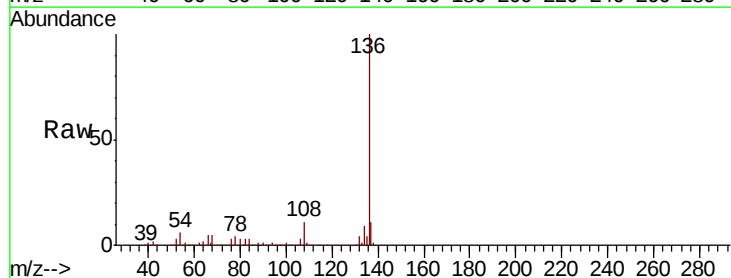


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

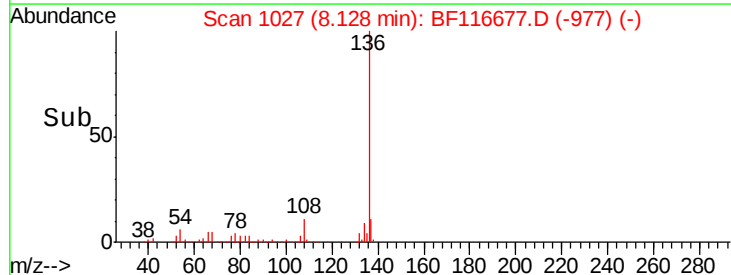
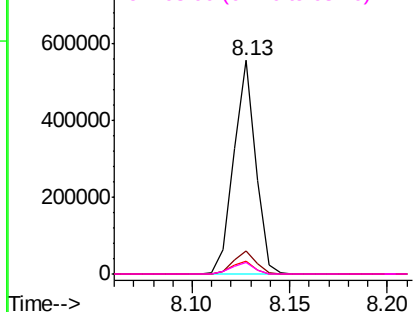


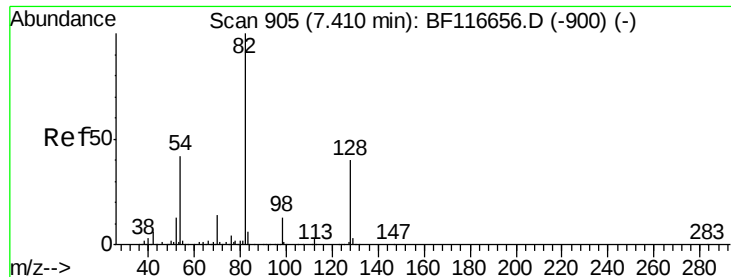
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Tgt Ion:	136	Resp:	430197
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.2	4.8	7.2
68	5.4	4.0	6.0



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

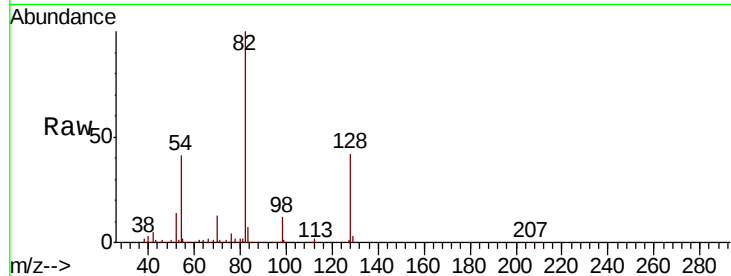




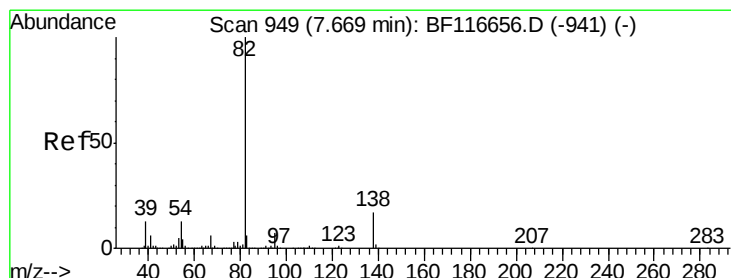
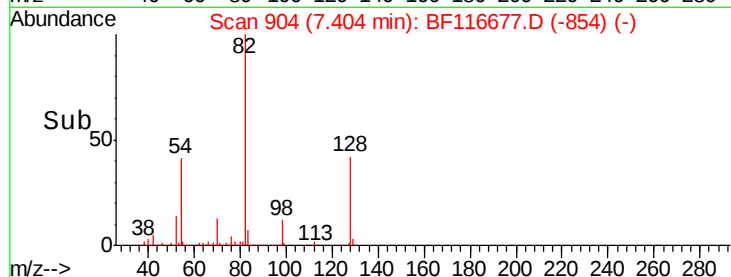
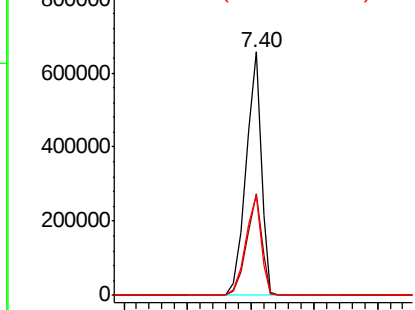
#23
Nitrobenzene-d5
Concen: 71.980 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	542423
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.8	49.2
54	41.4	36.9	55.3

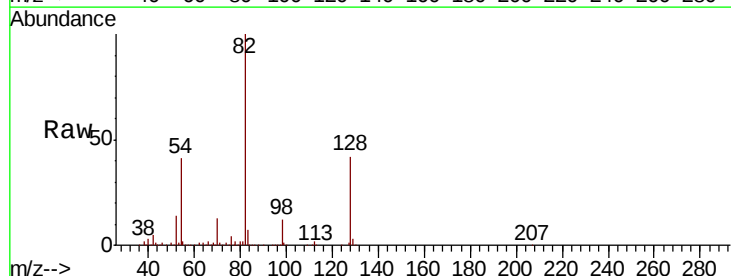


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

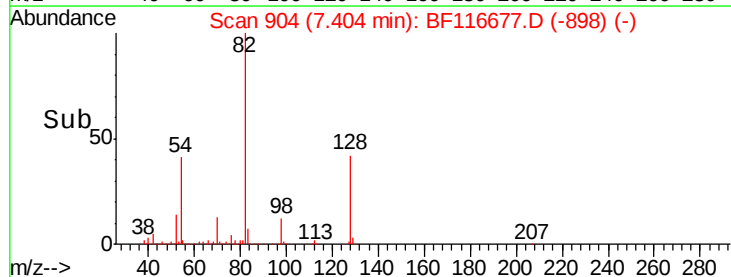
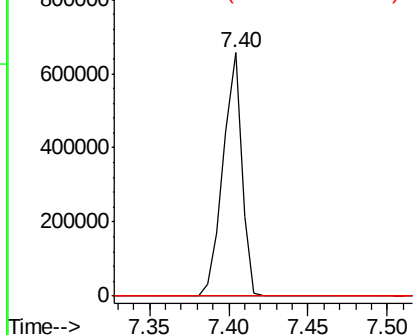


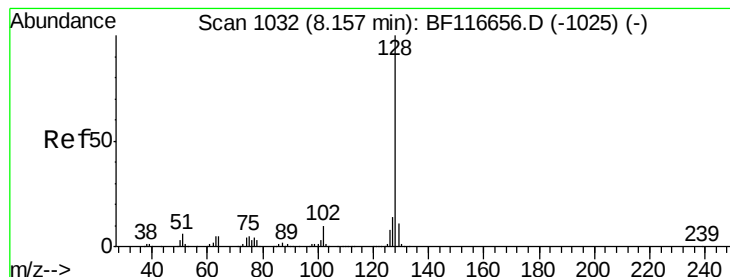
#25
Isophorone
Concen: 35.339 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Tgt Ion	82	Resp	539631
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.8	8.6#
138	0.0	13.5	20.3#



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: 7.238 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

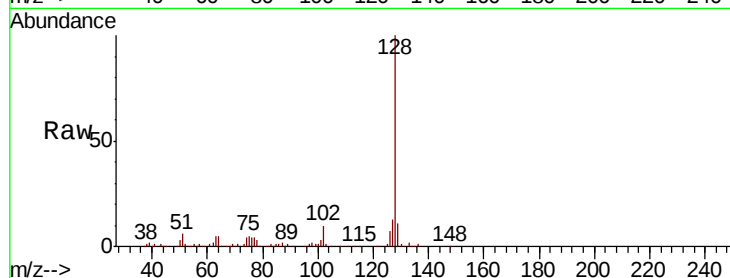
Tot Ion:128 Resp: 148065

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

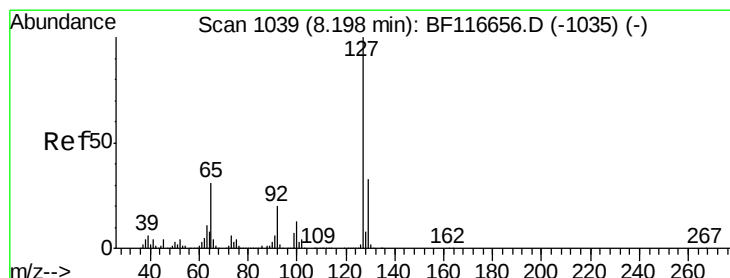
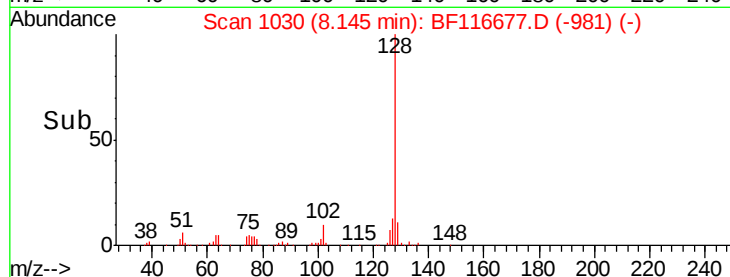
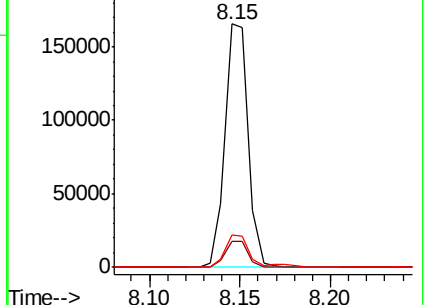
127 13.2 10.4 15.6



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



#33

4-Chloroaniline

Concen: 2.286 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Tgt Ion:127 Resp: 21282

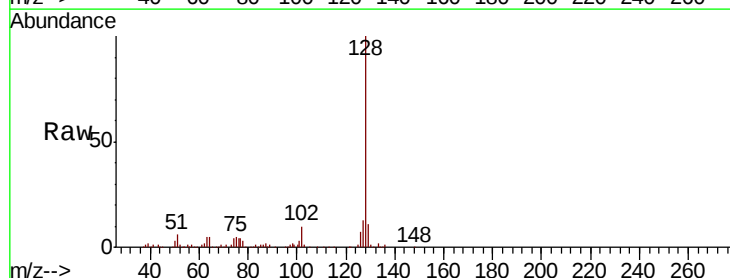
Ion Ratio Lower Upper

127 100

129 81.8 26.2 39.2#

65 2.7 26.0 39.0#

92 0.0 16.1 24.1#

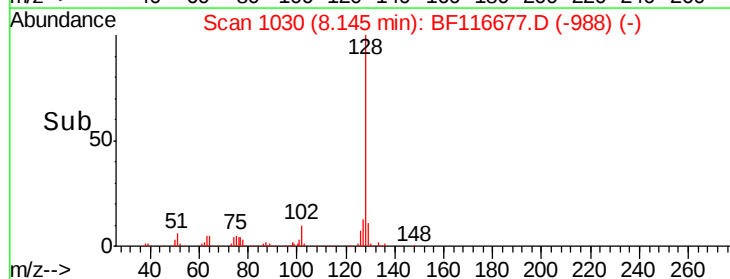
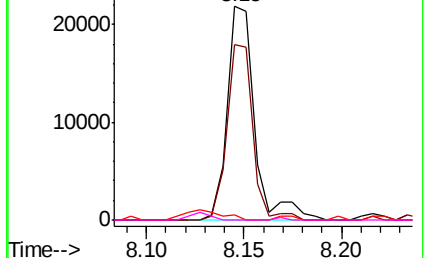


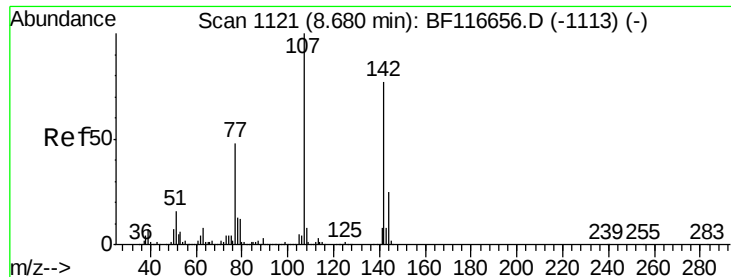
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

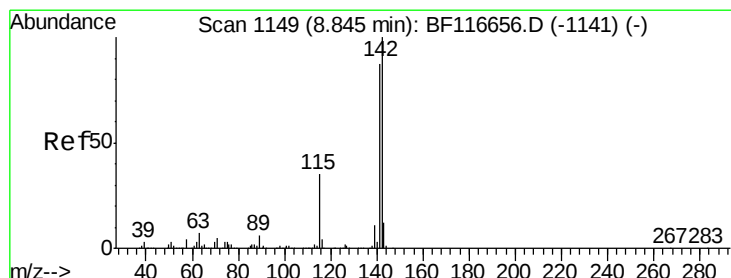
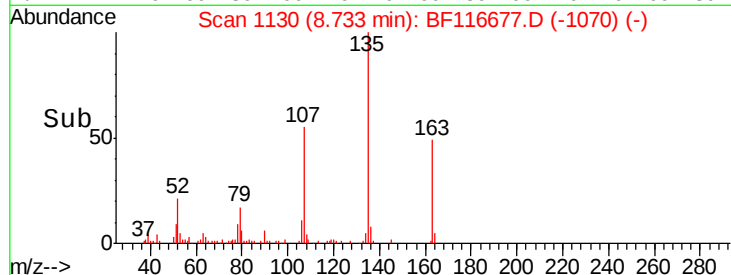
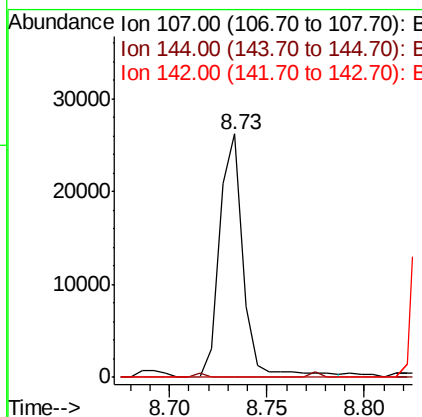
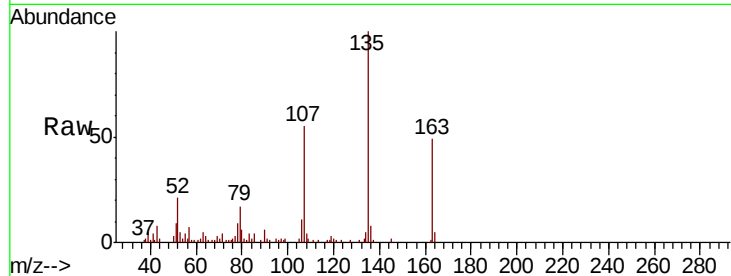




#36
 4-Chloro-3-methylphenol
 Concen: 3.475 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. 0.05 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

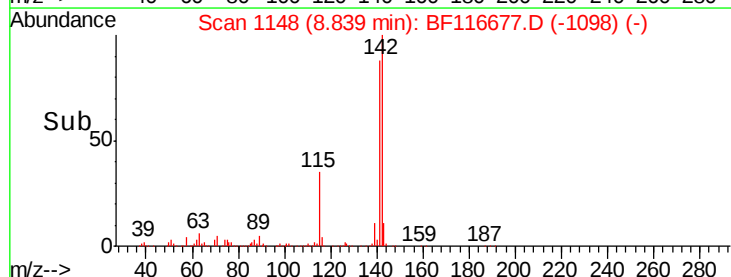
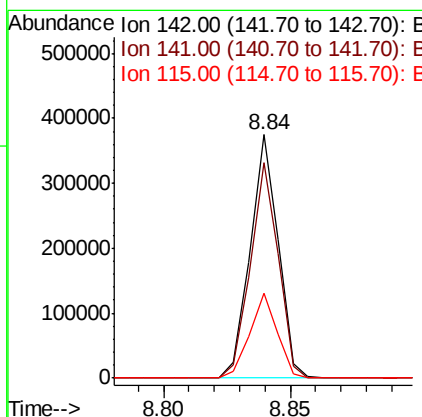
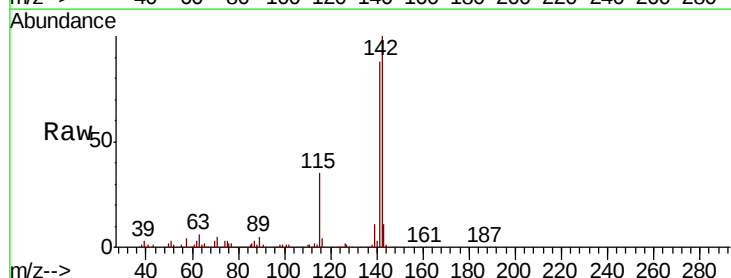
Instrument :
 BNA_F
 ClientSampleId :

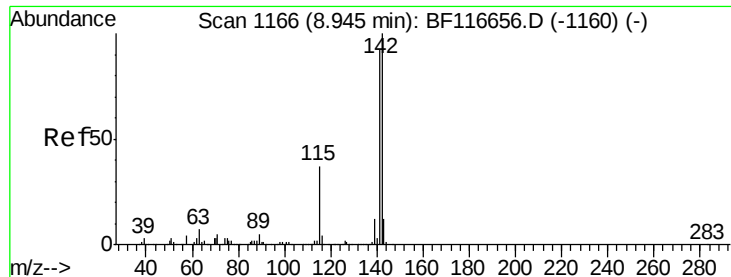
Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	18.6	27.8#
142	0.0	58.5	87.7#



#37
 2-Methylnaphthalene
 Concen: 21.245 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.6	109.0
115	34.7	29.8	44.6

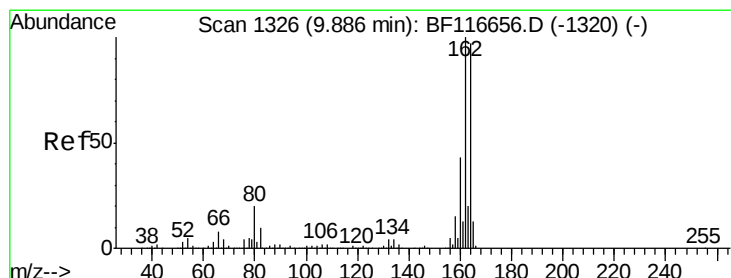
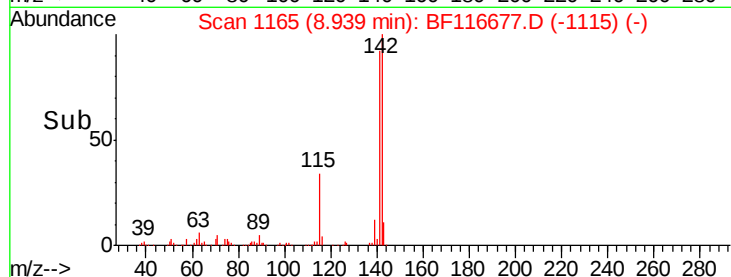
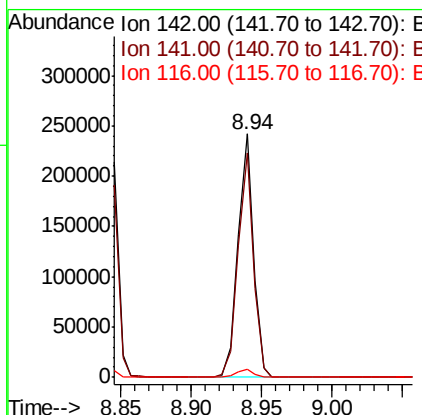
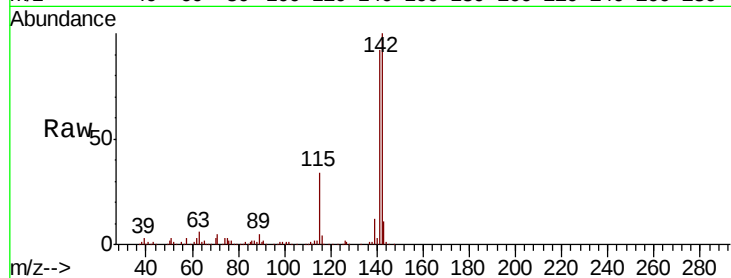




#38
 1-Methylnaphthalene
 Concen: 14.439 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

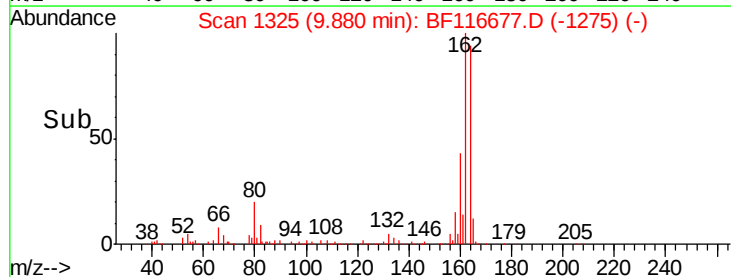
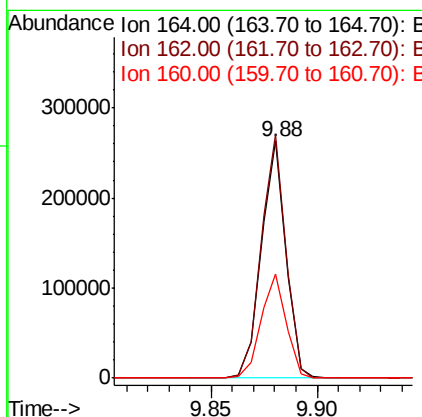
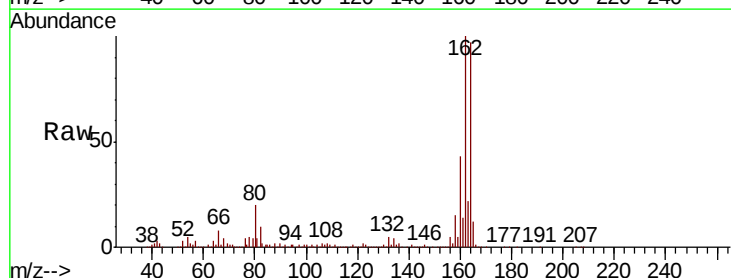
Instrument :
 BNA_F
 ClientSampleId :

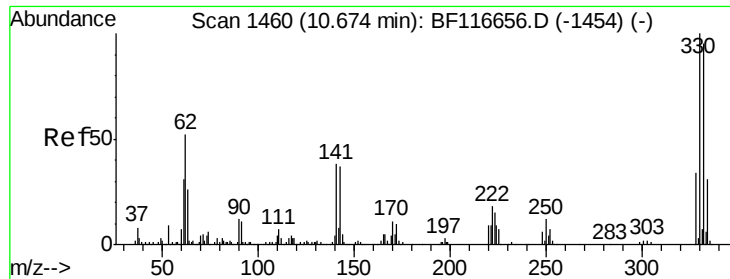
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.9	110.9
116	3.6	3.0	4.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.4	122.0
160	43.6	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 55.121 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

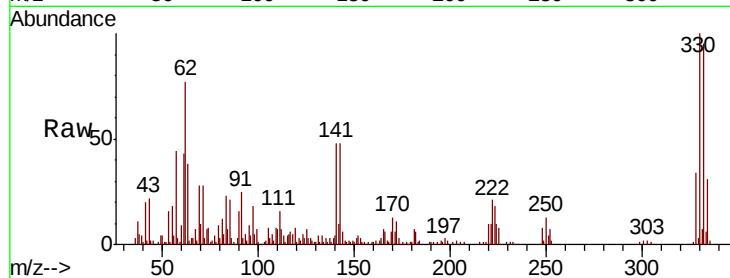
Tot Ion:330 Resp: 78964

Ion Ratio Lower Upper

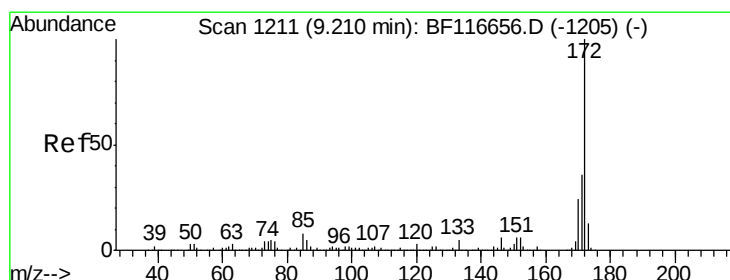
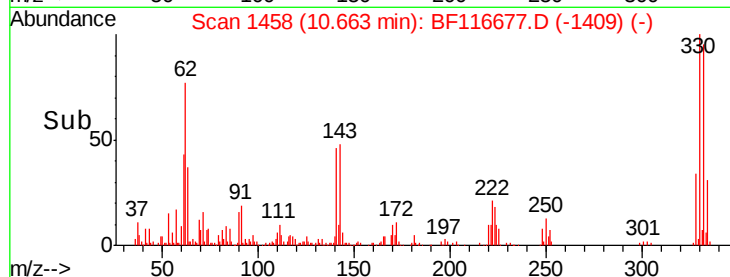
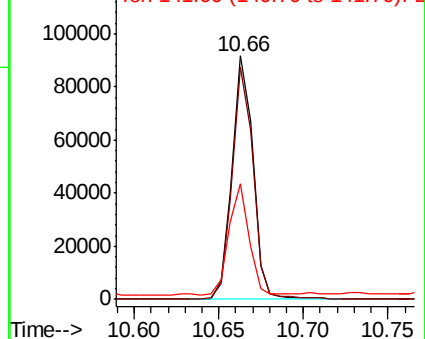
330 100

332 95.5 76.9 115.3

141 45.3 31.4 47.2



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: 68.915 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

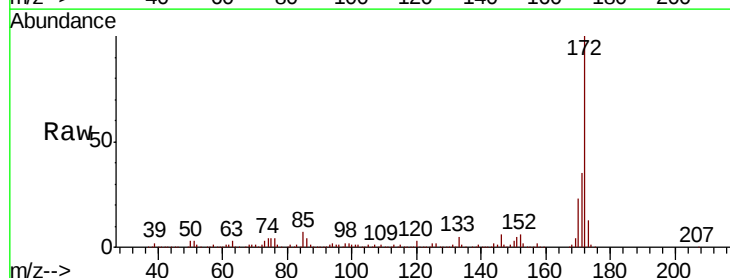
Tgt Ion:172 Resp: 875428

Ion Ratio Lower Upper

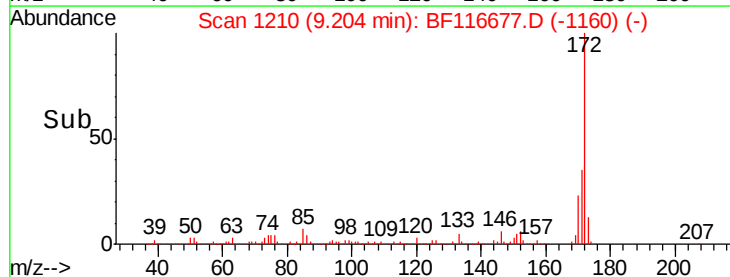
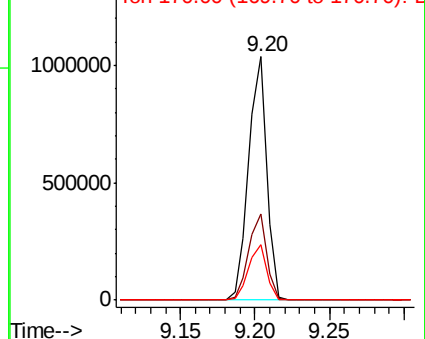
172 100

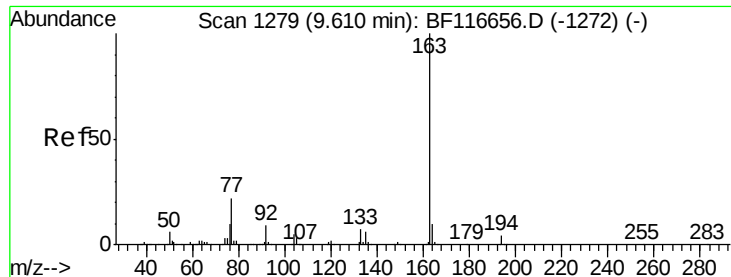
171 35.4 27.8 41.6

170 23.0 18.9 28.3



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: 8.901 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

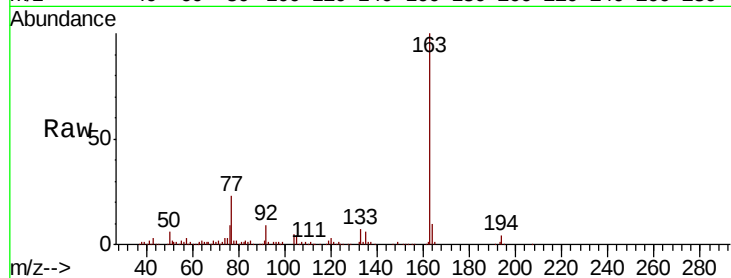
Tot Ion:163 Resp: 131690

Ion Ratio Lower Upper

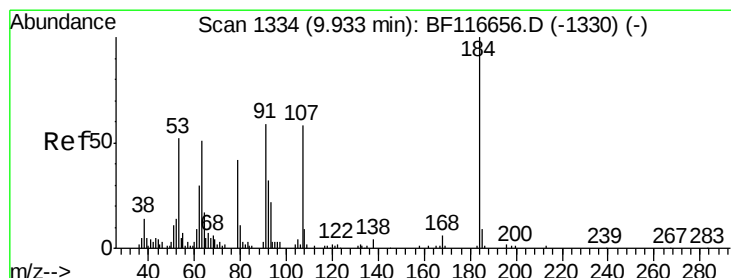
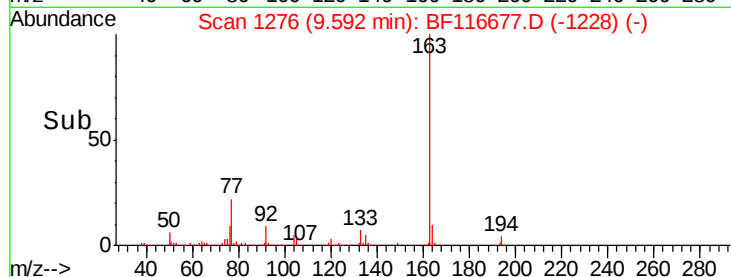
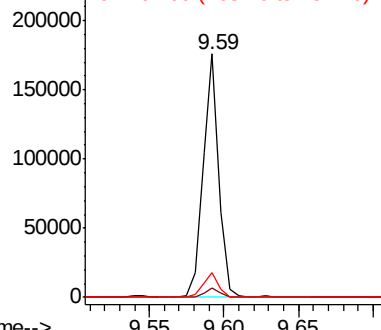
163 100

194 3.8 2.8 4.2

164 10.0 8.6 12.8



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



#54

2,4-Dinitrophenol

Concen: 9.148 ng

RT: 10.16 min Scan# 1373

Delta R.T. 0.23 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

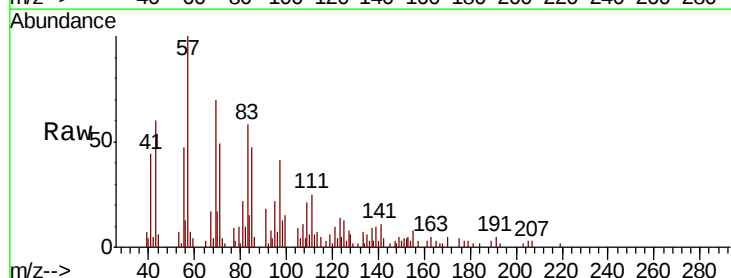
Tgt Ion:184 Resp: 121

Ion Ratio Lower Upper

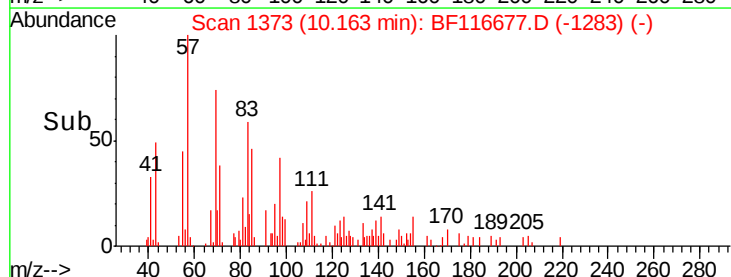
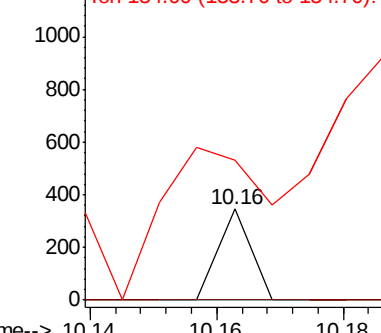
184 100

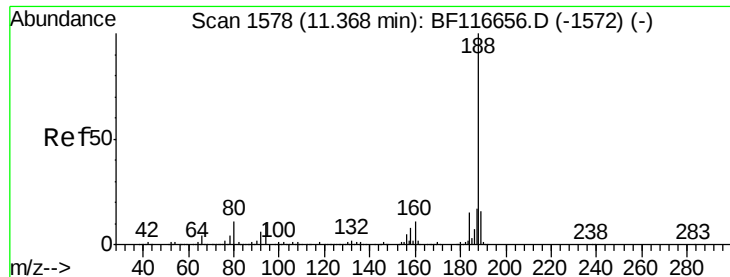
63 0.0 52.2 78.2#

154 154.9 60.8 91.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

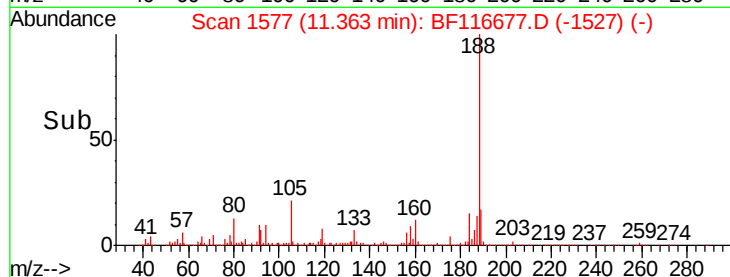
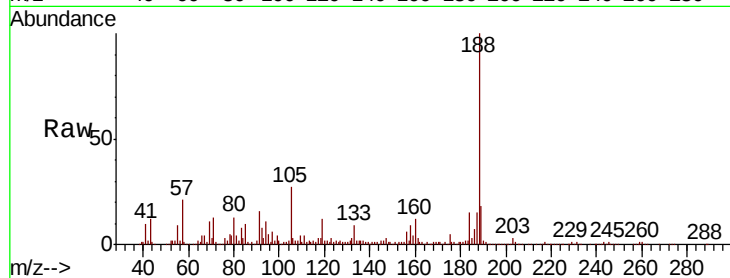
Tot Ion:188 Resp: 296973

Ion Ratio Lower Upper

188 100

94 11.0 7.3 10.9#

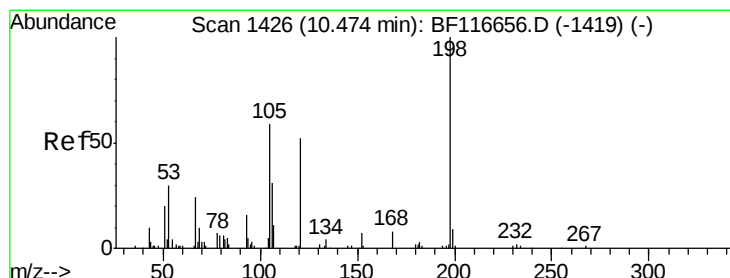
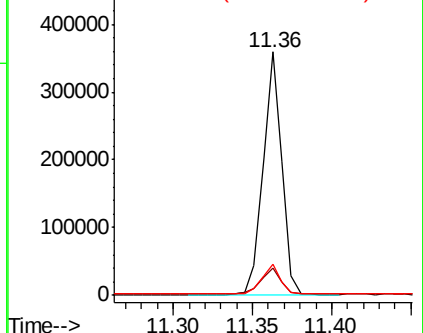
80 12.9 8.4 12.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.655 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.22 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

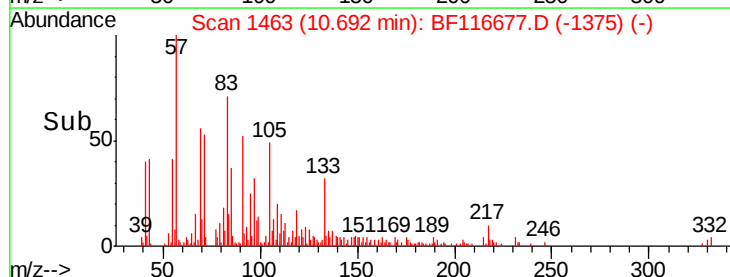
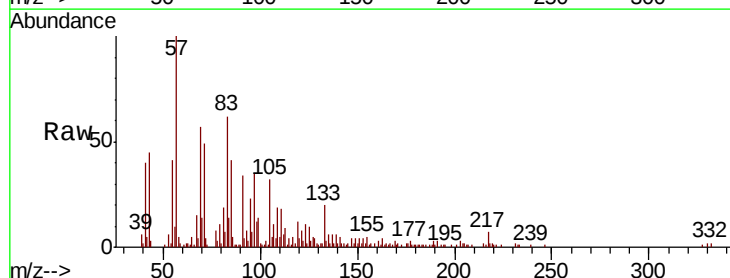
Tgt Ion:198 Resp: 264

Ion Ratio Lower Upper

198 100

51 177.1 18.4 58.4#

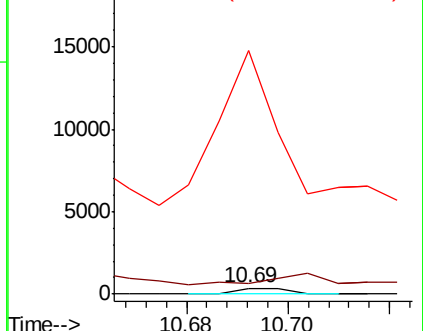
105 3940.0 22.9 62.9#

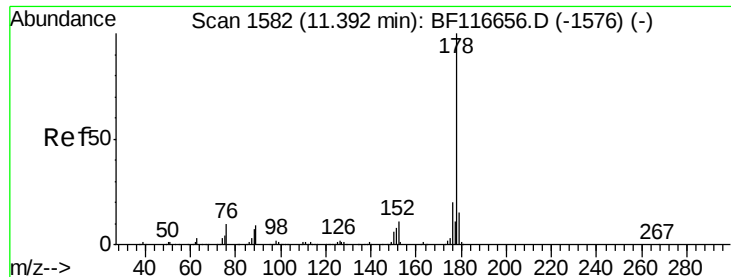


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 13.853 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

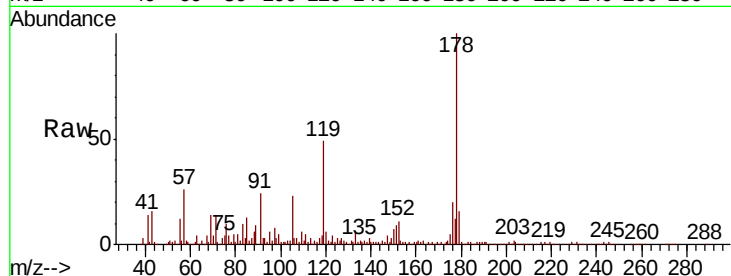
Tot Ion:178 Resp: 229011

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

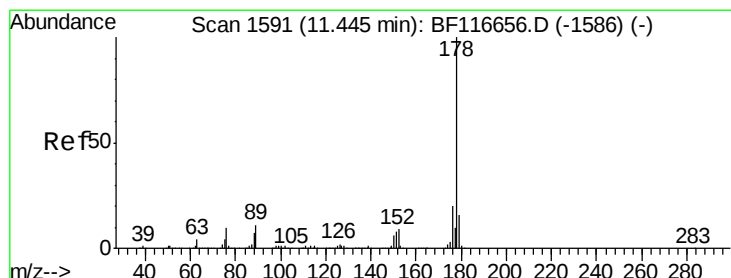
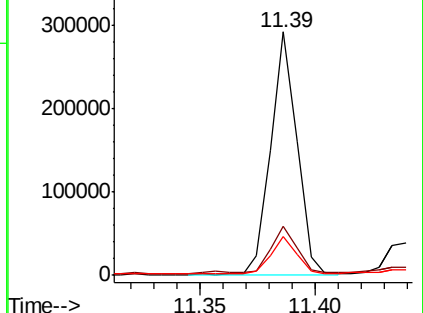
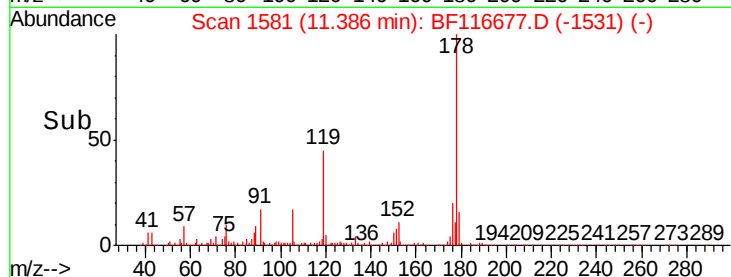
179 16.1 12.2 18.2



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: 13.762 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

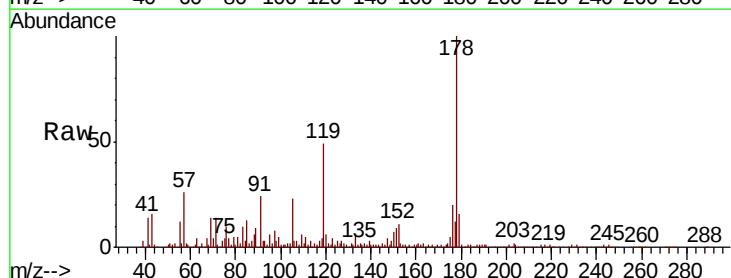
Tgt Ion:178 Resp: 229011

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

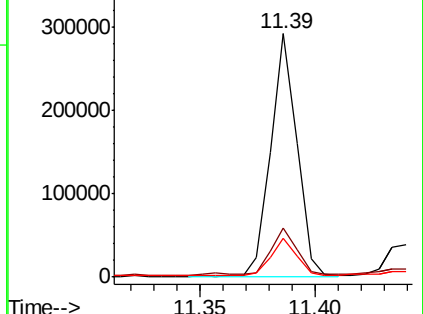
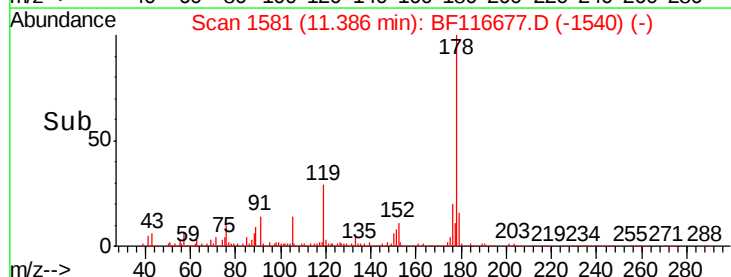
179 16.1 12.5 18.7

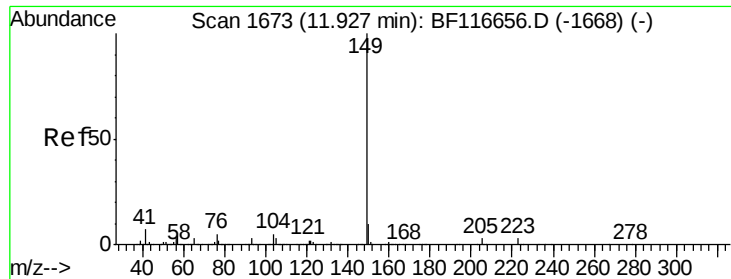


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: 5.359 ng

RT: 11.93 min Scan# 1673

Delta R.T. 0.00 min

Lab File: BF116677.D

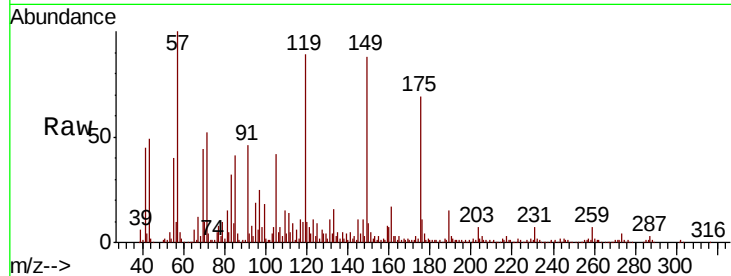
Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	149	Resp:	108911
Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.2	10.8
104	8.5	4.2	6.2

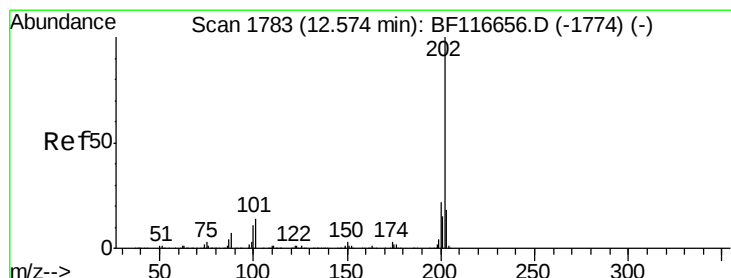
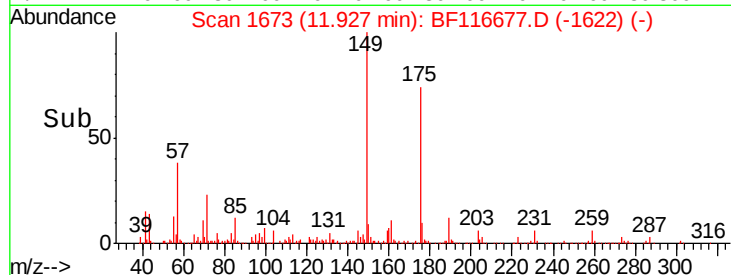
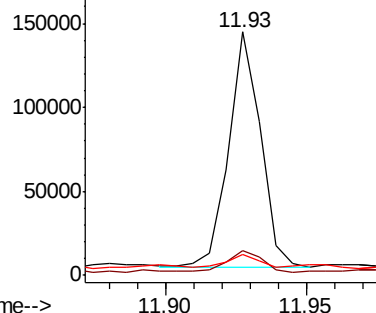


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 19.037 ng

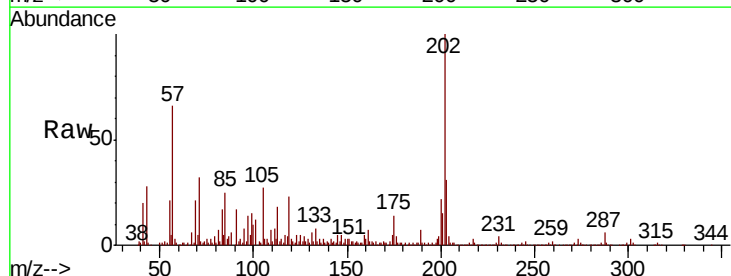
RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Tgt Ion:	202	Resp:	309288
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.3
203	30.8	0.0	37.6

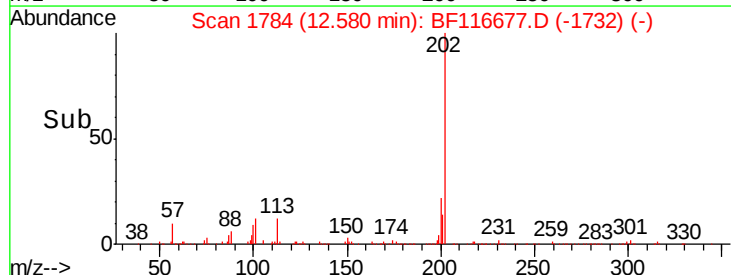
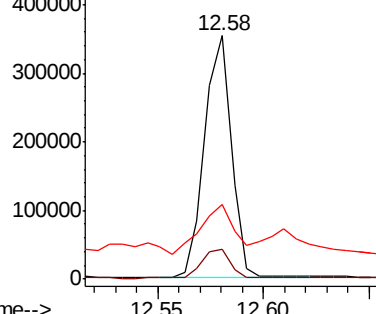


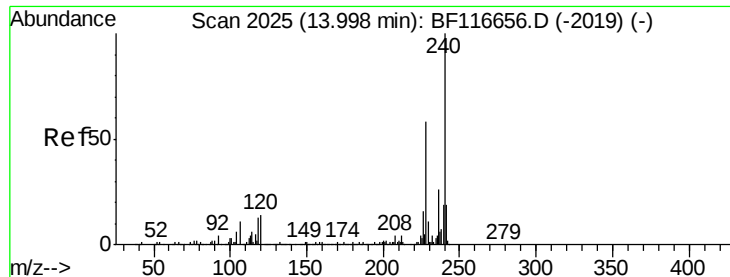
Abundance

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: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampled :

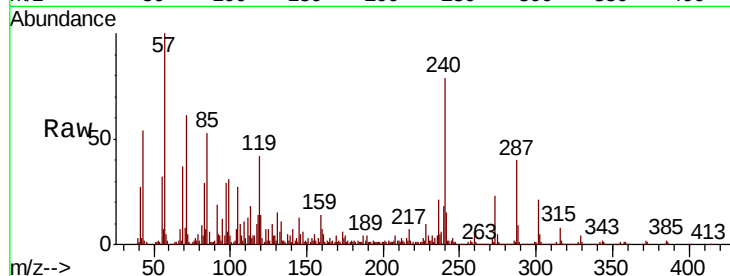
Tot Ion:240 Resp: 170738

Ion Ratio Lower Upper

240 100

120 17.8 9.1 13.7#

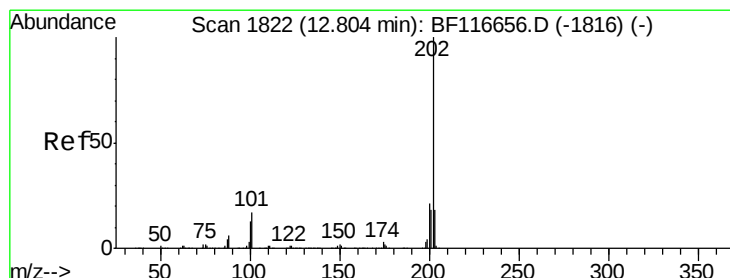
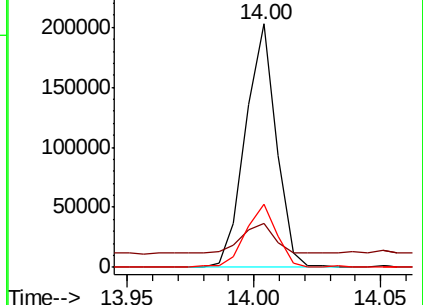
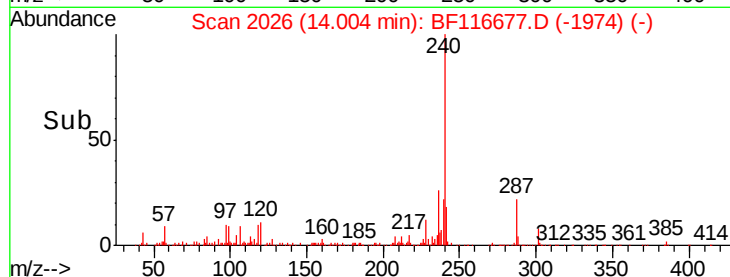
236 25.9 21.1 31.7



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: 17.753 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

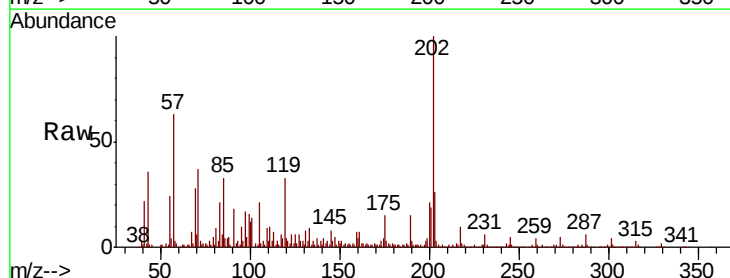
Tgt Ion:202 Resp: 269439

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

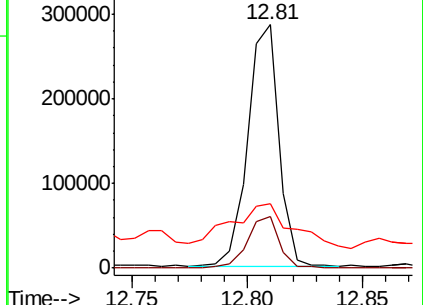
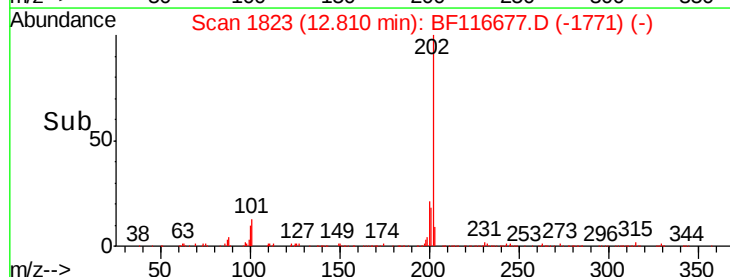
203 26.4 13.7 20.5#

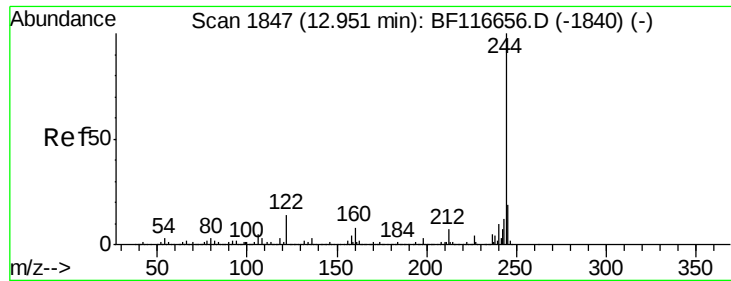


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

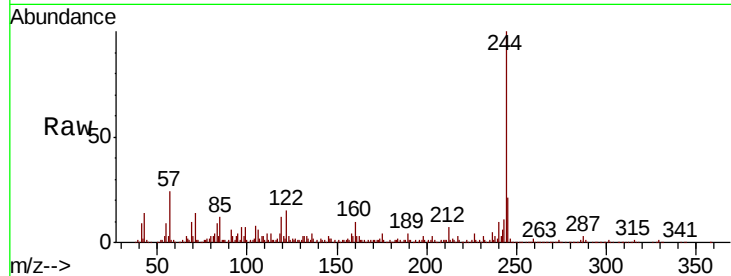




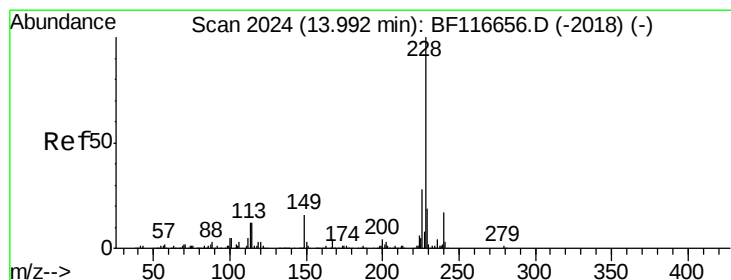
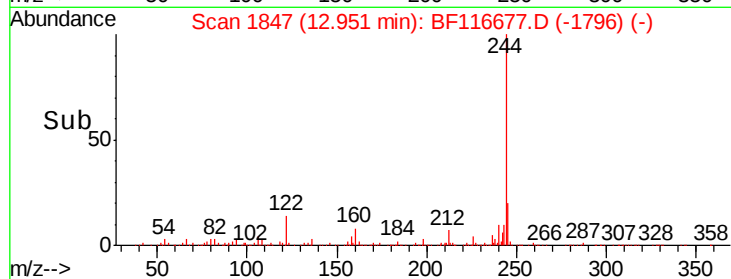
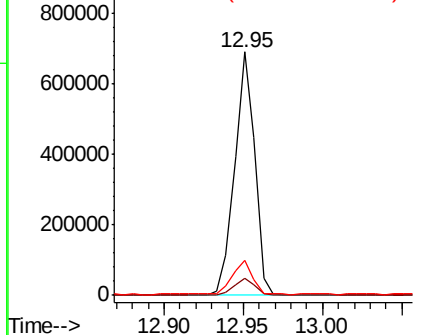
#79
 Terphenyl-d14
 Concen: 65.136 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	14.6	10.2	15.4

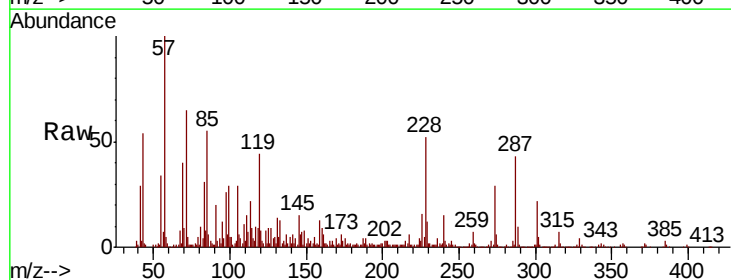


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

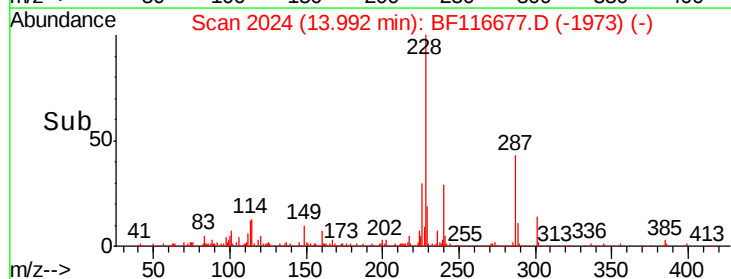
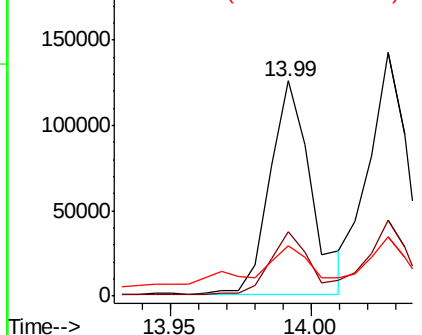


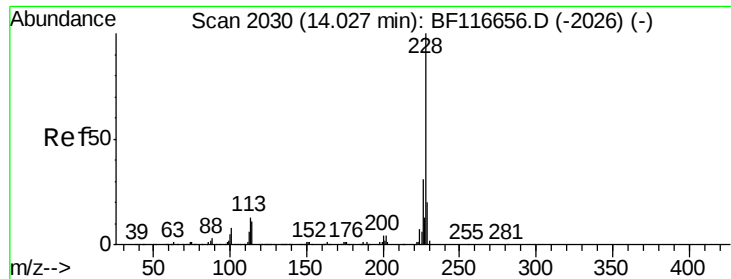
#81
 Benzo(a)anthracene
 Concen: 11.682 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116677.D
 Acq: 31 Aug 2019 3:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.0	33.0
229	23.7	16.4	24.6



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: 12.040 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

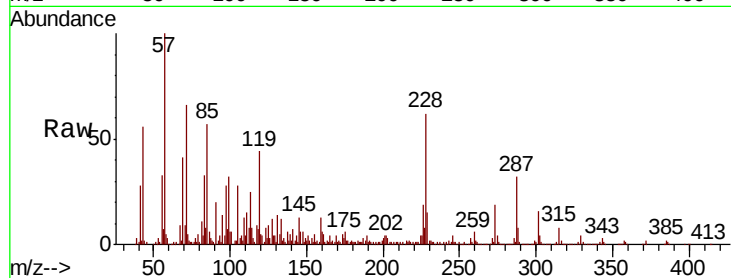
Tot Ion:228 Resp: 134044

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

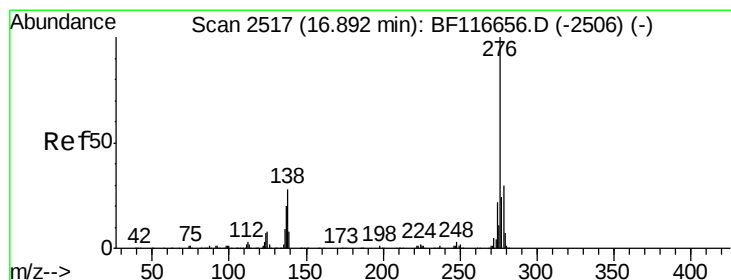
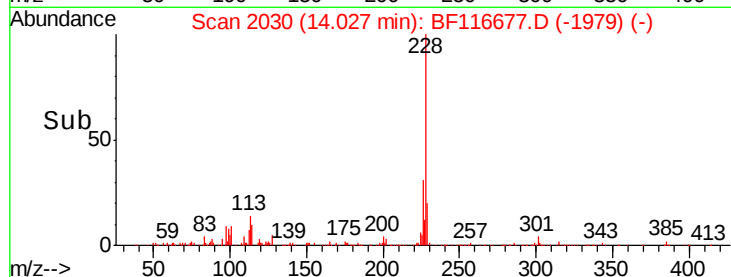
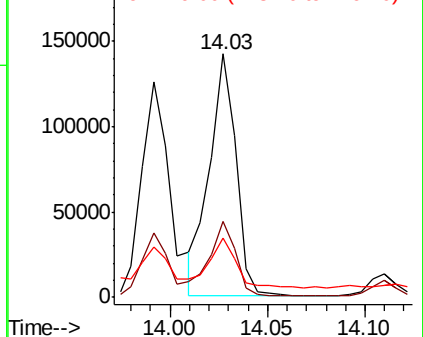
229 24.6 15.4 23.0#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 14.166 ng

RT: 16.90 min Scan# 2519

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

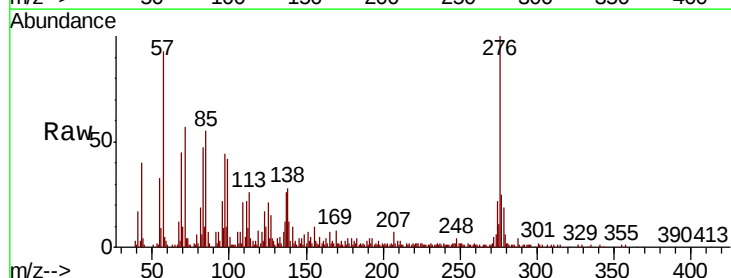
Tgt Ion:276 Resp: 126675

Ion Ratio Lower Upper

276 100

138 25.1 19.4 29.2

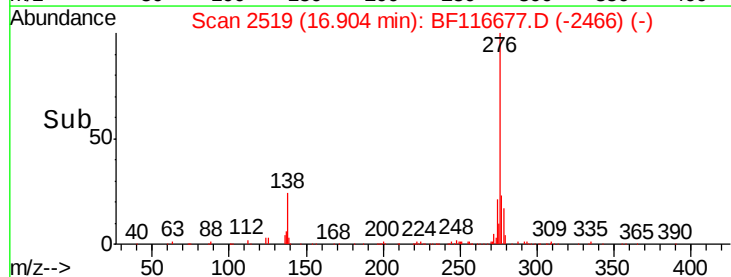
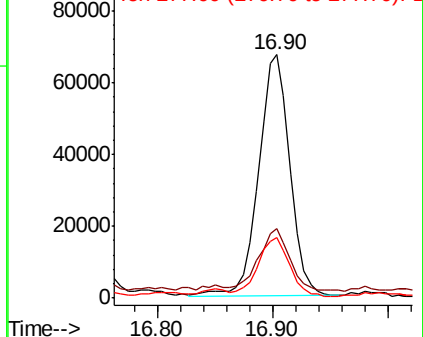
277 24.6 20.5 30.7

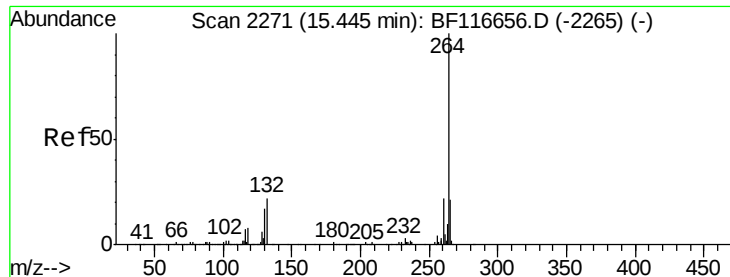


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.46 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

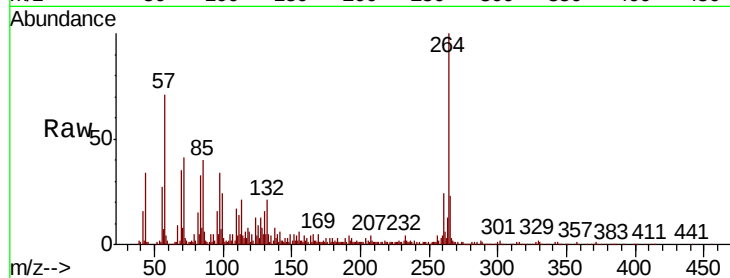
Tot Ion:264 Resp: 228707

Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 23.4 16.5 24.7

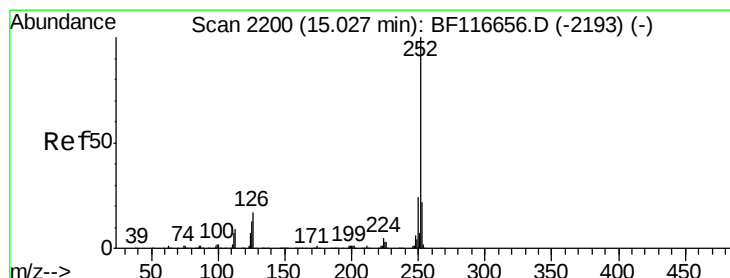
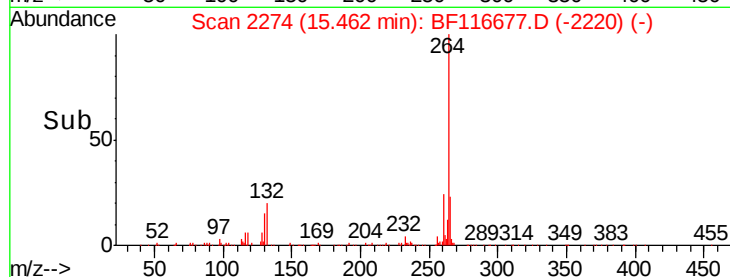
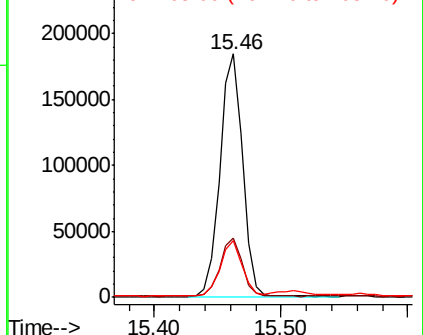


Abundance

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: 22.141 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

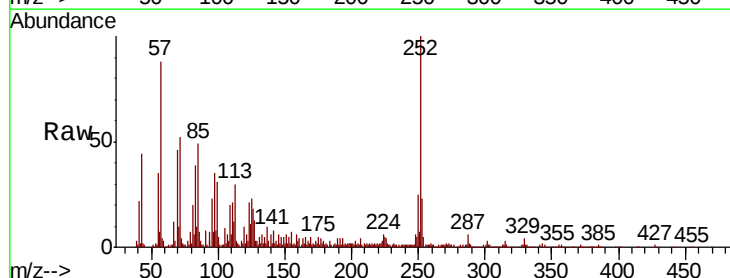
Tgt Ion:252 Resp: 306152

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 23.3 8.2 12.2#

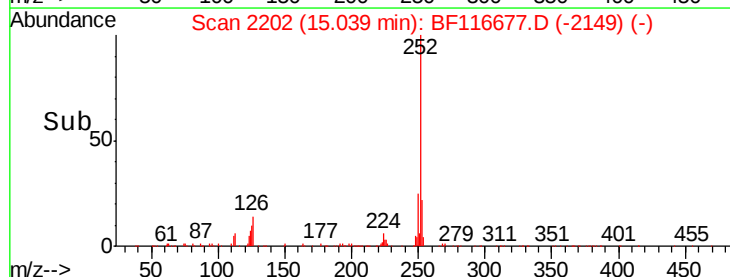
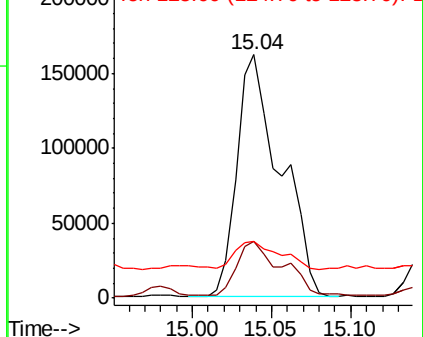


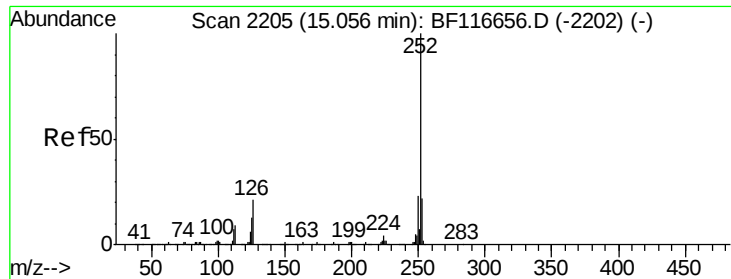
Abundance

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

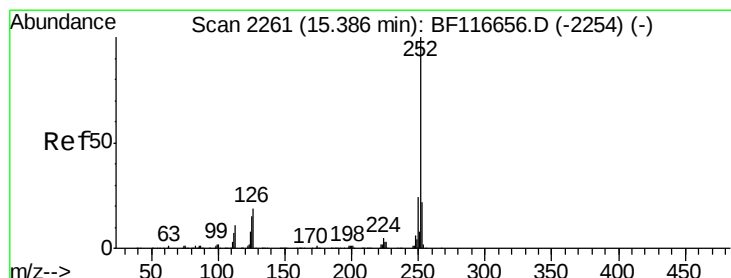
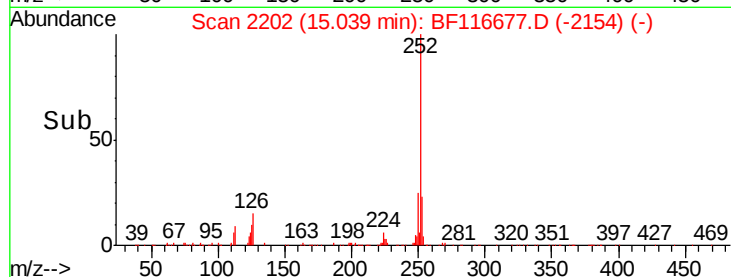
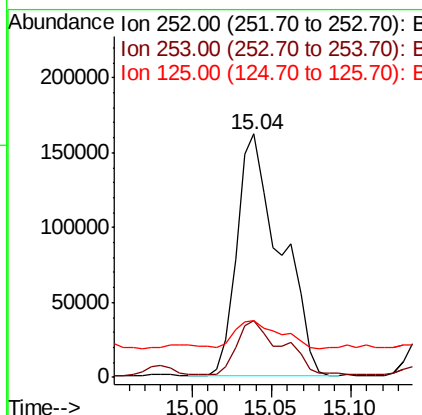
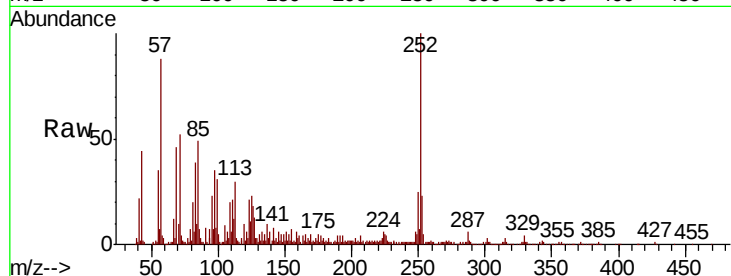




#89
Benzo(k)fluoranthene
Concen: 24.284 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

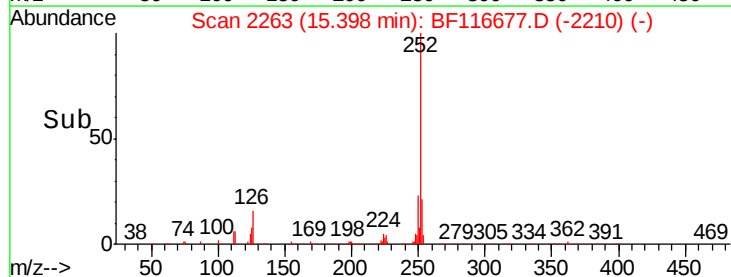
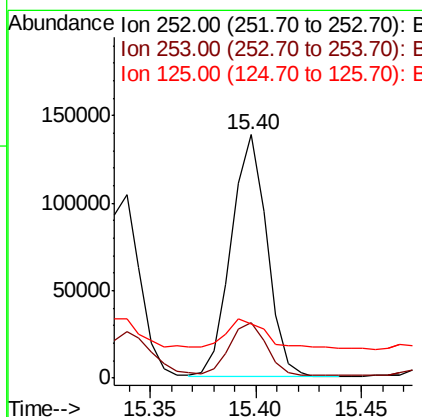
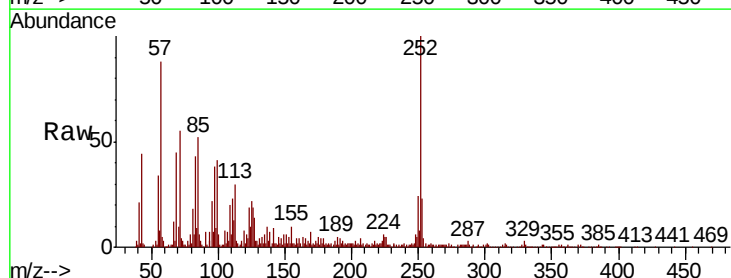
Instrument :
BNA_F
ClientSampleId :

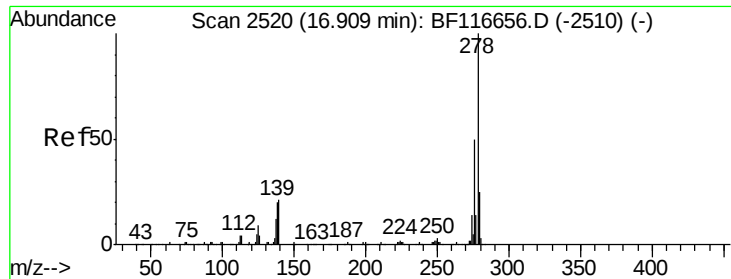
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	23.3	8.6	13.0



#90
Benzo(a)pyrene
Concen: 13.399 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116677.D
Acq: 31 Aug 2019 3:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	22.5	9.8	14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.991 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

Instrument :

BNA_F

ClientSampleId :

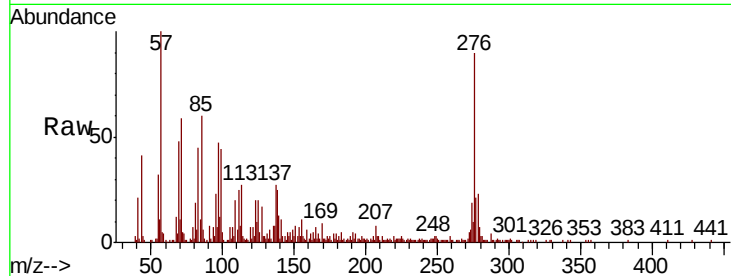
Tot Ion:278 Resp: 31498

Ion Ratio Lower Upper

278 100

139 57.3 12.4 18.6#

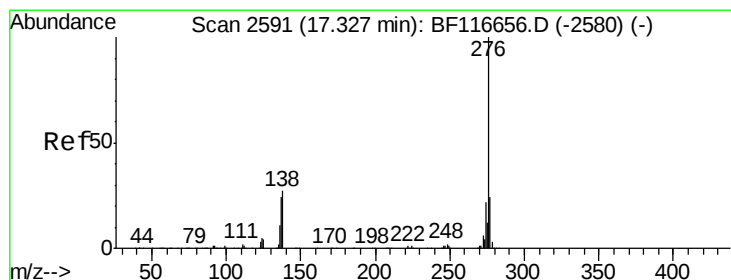
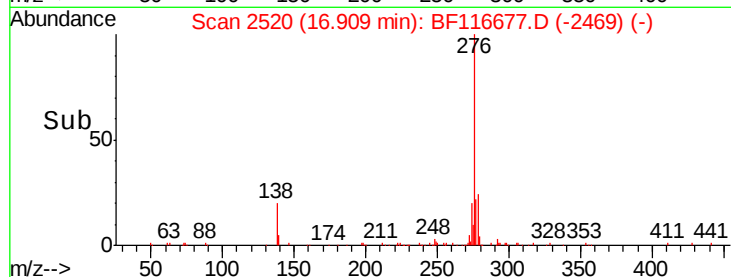
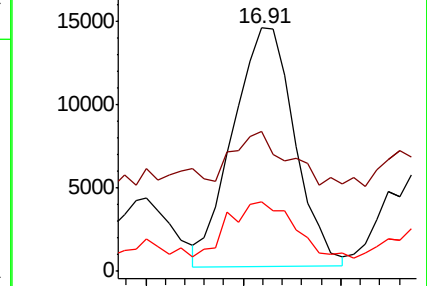
279 28.4 18.2 27.4#



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: 11.823 ng

RT: 17.34 min Scan# 2593

Delta R.T. 0.01 min

Lab File: BF116677.D

Acq: 31 Aug 2019 3:46

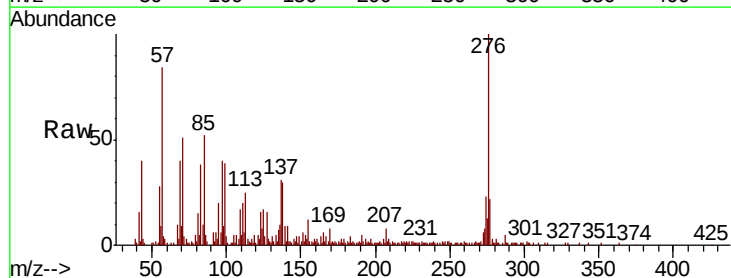
Tgt Ion:276 Resp: 126970

Ion Ratio Lower Upper

276 100

277 22.0 18.5 27.7

138 29.5 16.2 24.2#



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

