

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116748.D
 Acq On : 1 Sep 2019 17:48
 Operator : HP/JU
 Sample : K4544-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:26:18 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	74775	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	322617	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	168087	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	211580	20.00	ng	0.02
76) Chrysene-d12	14.01	240	199298	20.00	ng	0.01
87) Perylene-d12	15.46	264	245486	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	384904	83.39	ng	-0.01
7) Phenol-d6	6.47	99	535862	88.41	ng	-0.01
23) Nitrobenzene-d5	7.40	82	327102	57.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	107940	96.06	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	668886	67.13	ng	-0.01
79) Terphenyl-d14	12.97	244	553846	51.41	ng	0.02

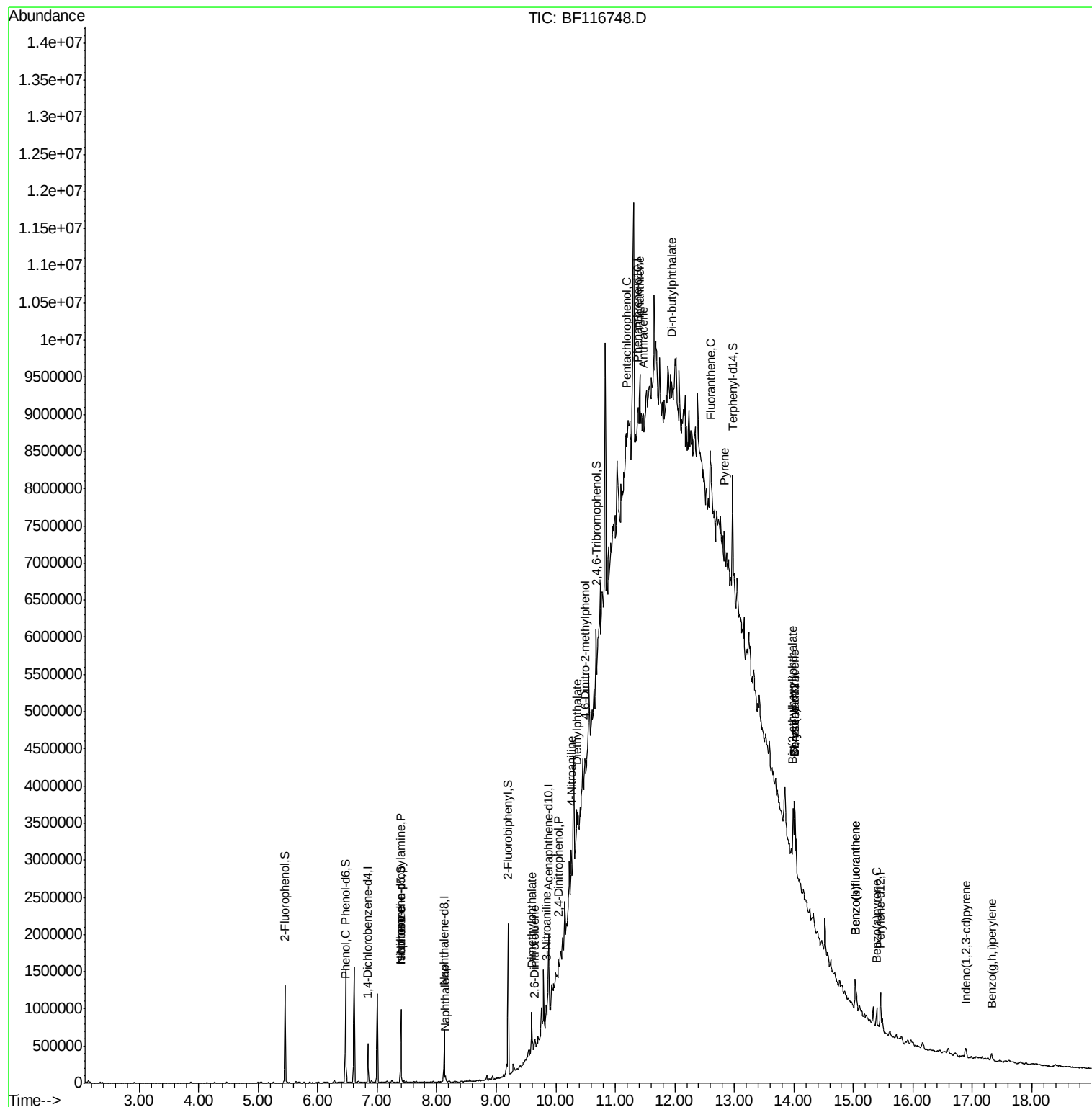
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	38393	5.721	ng	95
19) n-Nitroso-di-n-propylamine	7.40	70	43305	10.852	ng	# 73
25) Isophorone	7.40	82	320857	28.019	ng	# 66
31) Naphthalene	8.15	128	33074	2.156	ng	98
50) Dimethylphthalate	9.59	163	76795	6.618	ng	# 94
51) 2,6-Dinitrotoluene	9.64	165	7488	3.382	ng	# 29
53) 3-Nitroaniline	9.84	138	6881	2.480	ng	# 13
54) 2,4-Dinitrophenol	10.06	184	110	9.165	ng	# 1
60) Diethylphthalate	10.35	149	36527	3.142	ng	# 6
62) 4-Nitroaniline	10.26	138	7043	2.616	ng	87
65) 4,6-Dinitro-2-methylphenol	10.50	198	1278	8.837	ng	# 1
70) Pentachlorophenol	11.20	266	2779	2.555	ng	# 17
71) Phenanthrene	11.41	178	131468	11.162	ng	# 61
72) Anthracene	11.46	178	31006	2.615	ng	# 18
74) Di-n-butylphthalate	11.95	149	71163	4.915	ng	# 34
75) Fluoranthene	12.61	202	245870	21.242	ng	93
78) Pyrene	12.83	202	253781	14.325	ng	# 94
81) Benzo(a)anthracene	14.00	228	161797	12.827	ng	96
83) Chrysene	14.00	228	161797	12.451	ng	96
84) Bis(2-ethylhexyl)phthalate	13.99	149	218657	20.560	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	80243	7.688	ng	96
88) Benzo(b)fluoranthene	15.03	252	277234	18.679	ng	# 94
89) Benzo(k)fluoranthene	15.03	252	277195	20.484	ng	# 94
90) Benzo(a)pyrene	15.39	252	135005	10.455	ng	# 94
92) Benzo(g,h,i)perylene	17.32	276	76817	6.664	ng	# 91

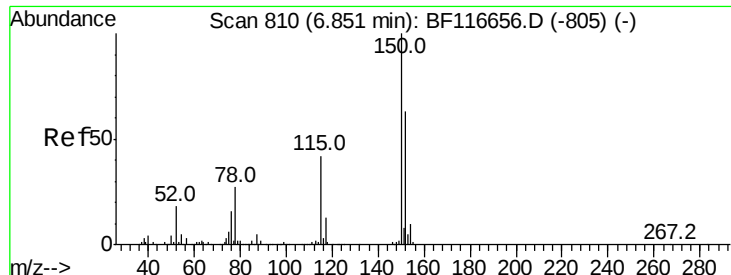
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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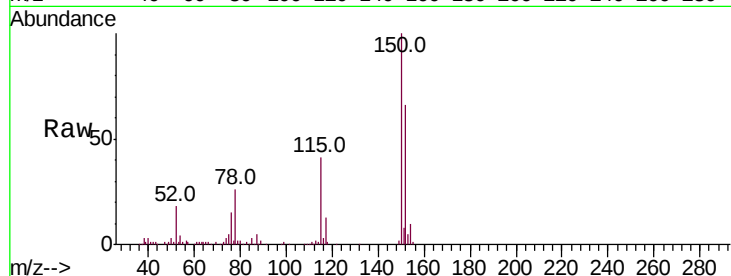


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.4	186.6
115	62.3	49.9	74.9

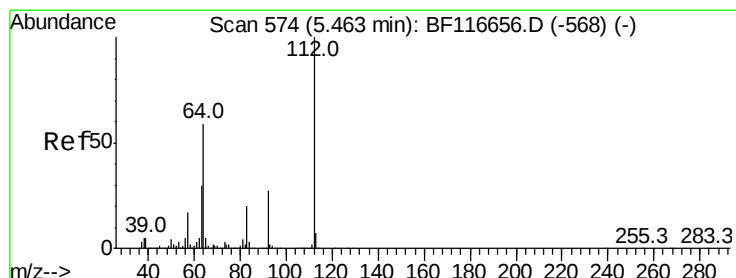
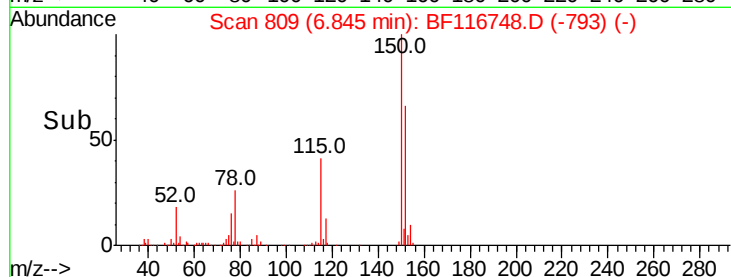
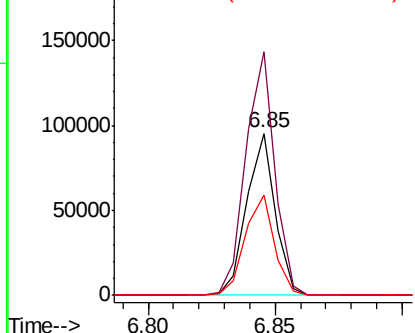


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

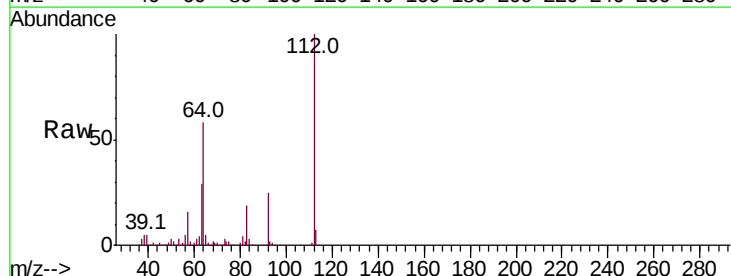
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.392 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.1	70.7
63	28.9	24.9	37.3

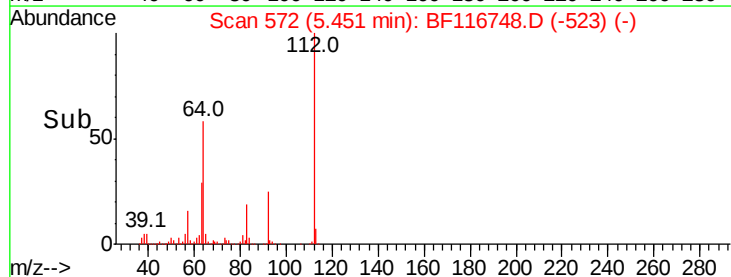
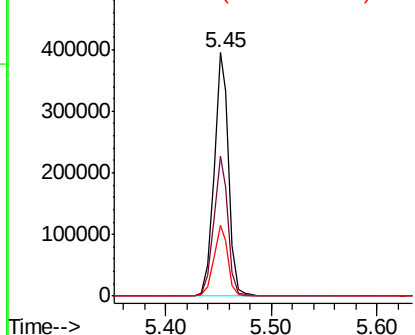


Abundance

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: 88.415 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

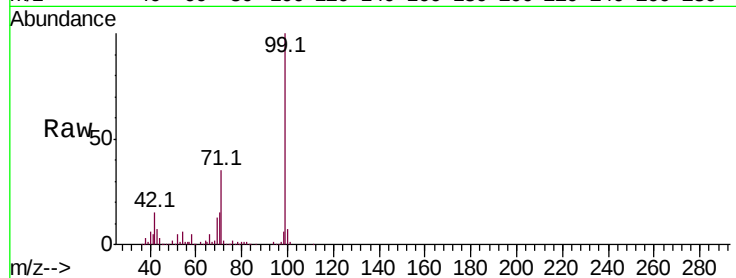
Tot Ion: 99 Resp: 535862

Ion Ratio Lower Upper

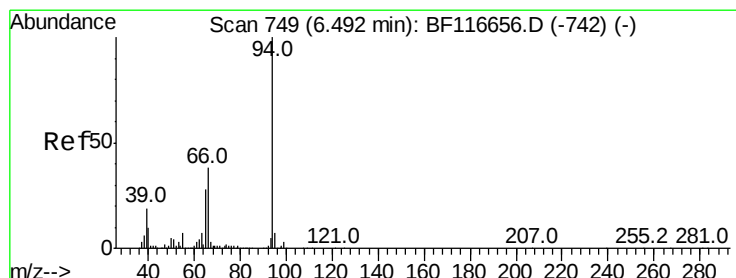
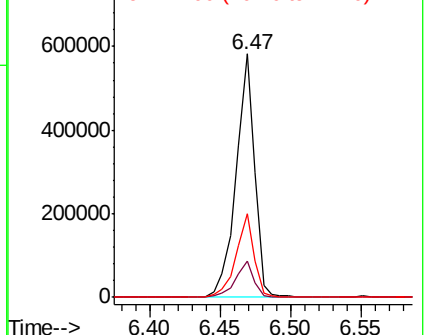
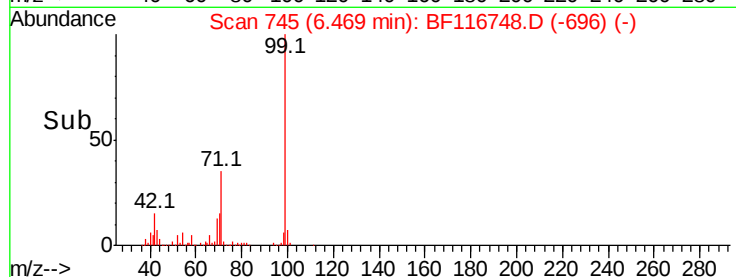
99 100

42 14.7 13.7 20.5

71 34.5 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



#10

Phenol

Concen: 5.721 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

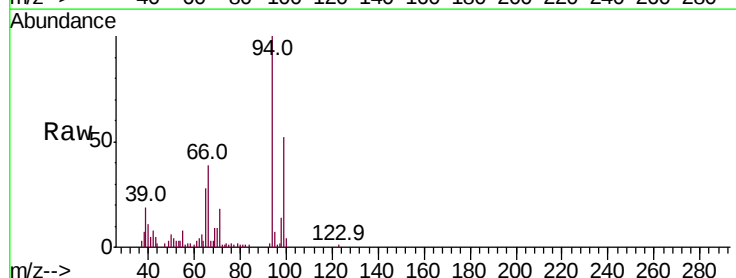
Tgt Ion: 94 Resp: 38393

Ion Ratio Lower Upper

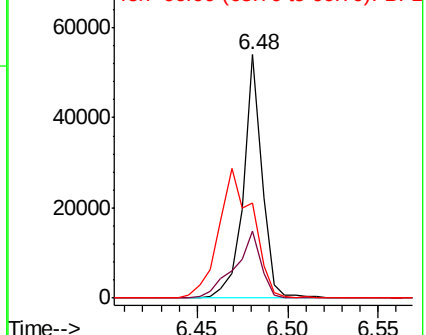
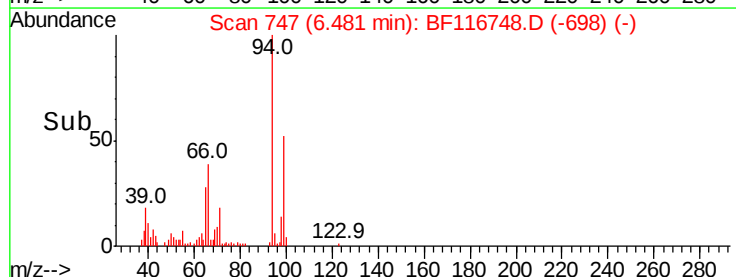
94 100

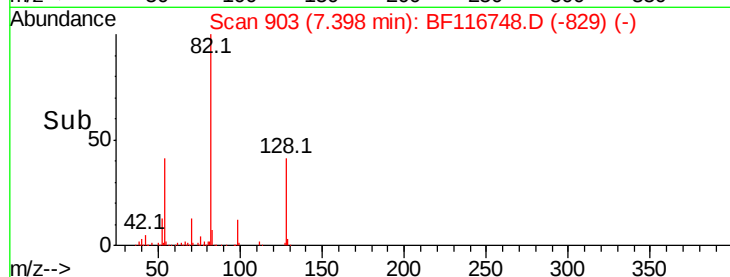
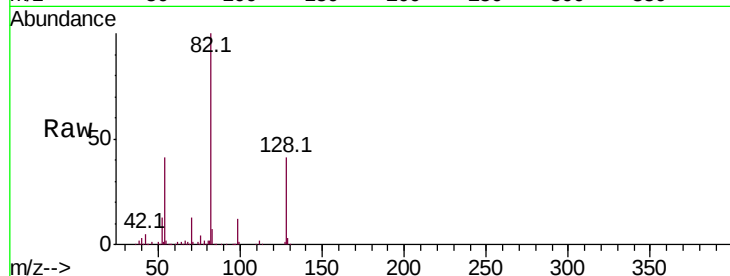
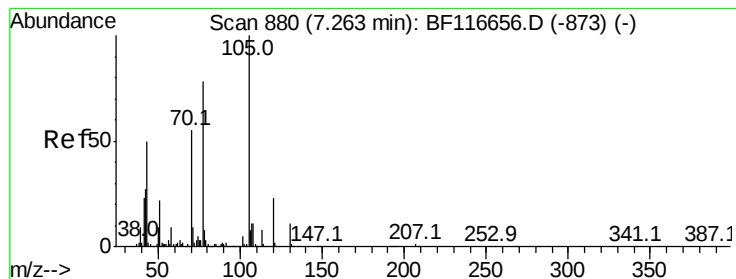
65 27.5 10.8 50.8

66 38.9 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





#19

n-Nitroso-di-n-propylamine

Concen: 10.852 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 43305

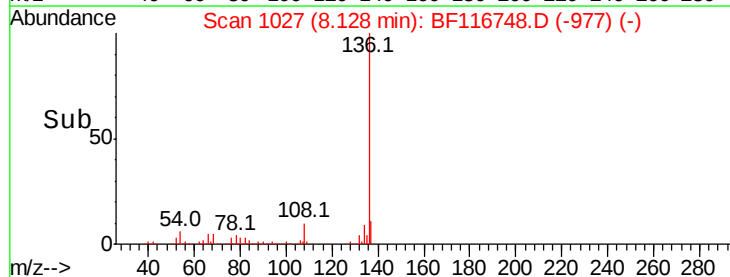
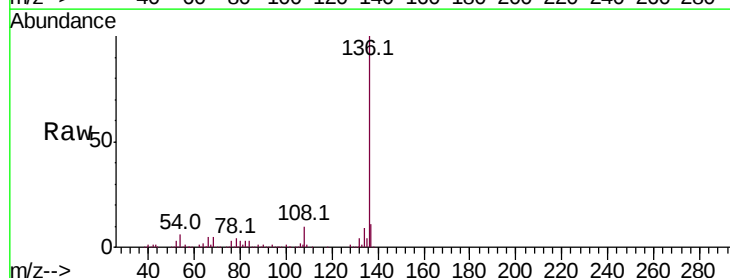
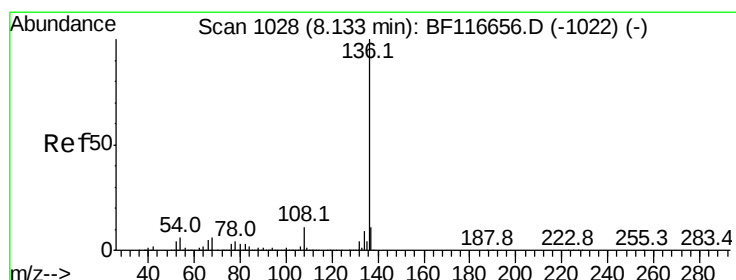
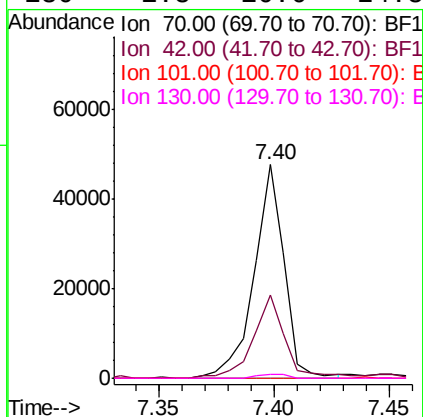
Ion Ratio Lower Upper

70 100

42 39.0 43.5 65.3#

101 0.0 7.8 11.6#

130 1.8 16.6 24.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tgt Ion: 136 Resp: 322617

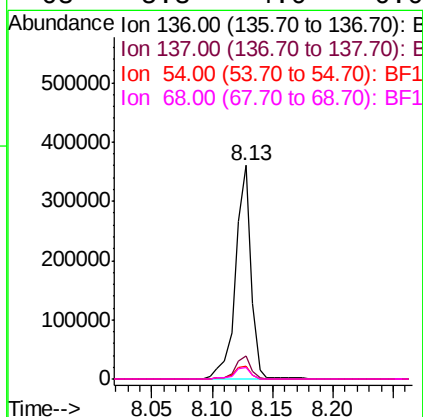
Ion Ratio Lower Upper

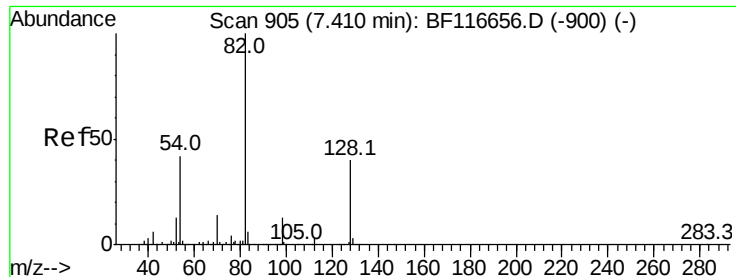
136 100

137 10.8 8.9 13.3

54 5.9 4.8 7.2

68 5.3 4.0 6.0

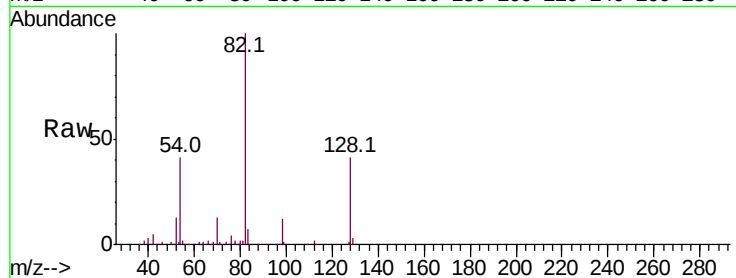




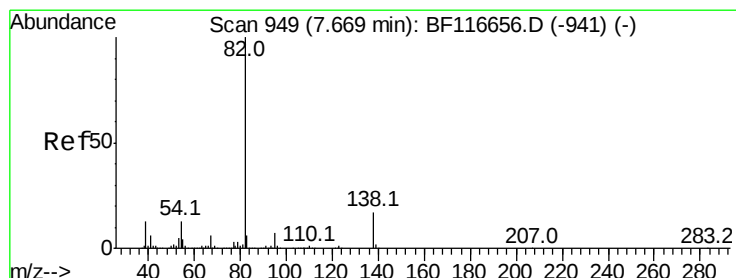
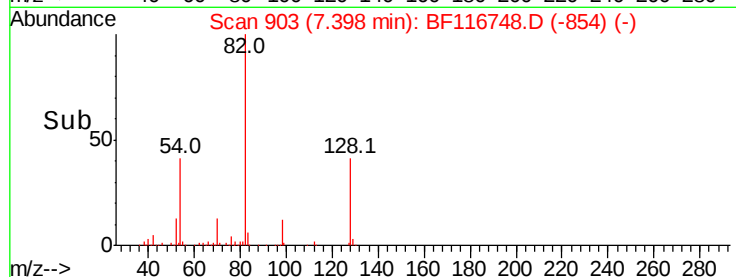
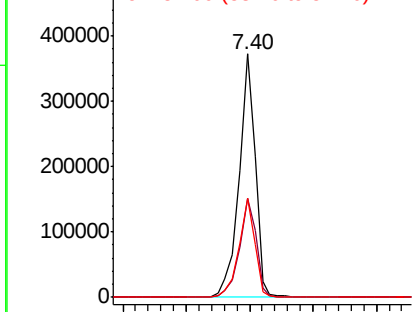
#23
Nitrobenzene-d5
Concen: 57.881 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	327102
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.8	49.2
54	40.8	36.9	55.3

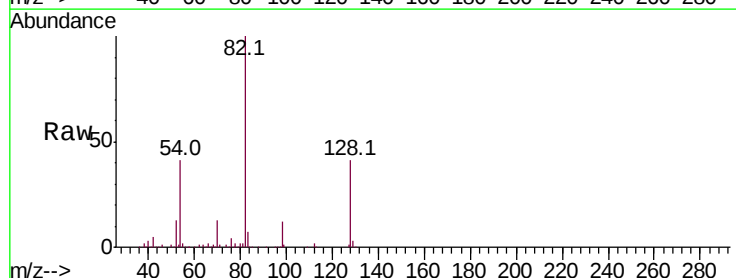


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

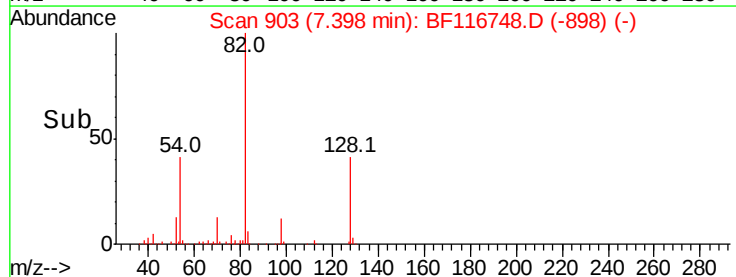
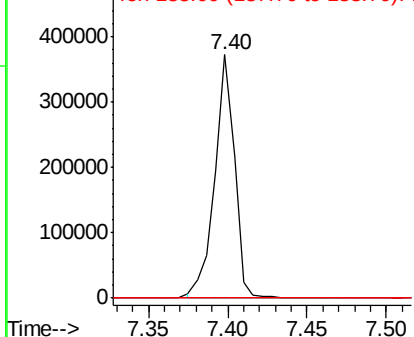


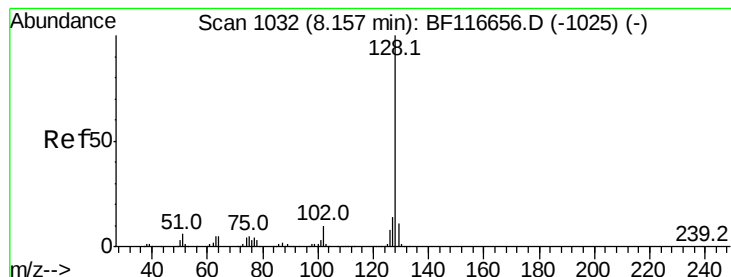
#25
Isophorone
Concen: 28.019 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	82	Resp	320857
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: 2.156 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

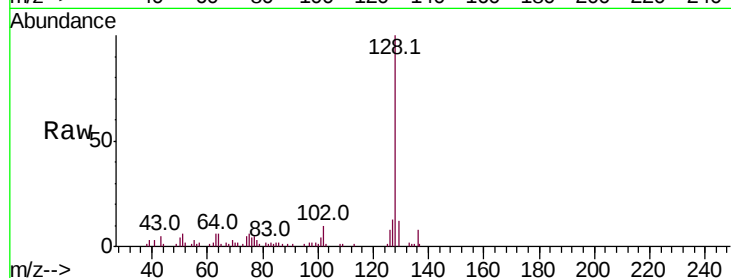
Tot Ion:128 Resp: 33074

Ion Ratio Lower Upper

128 100

129 12.4 8.6 13.0

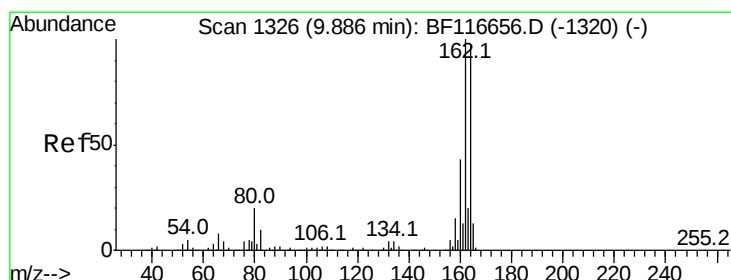
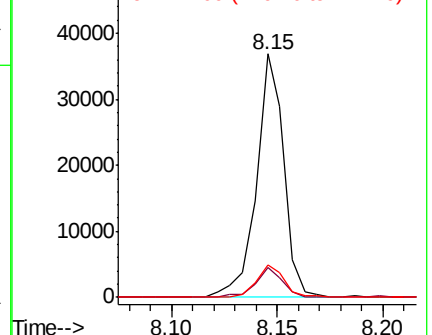
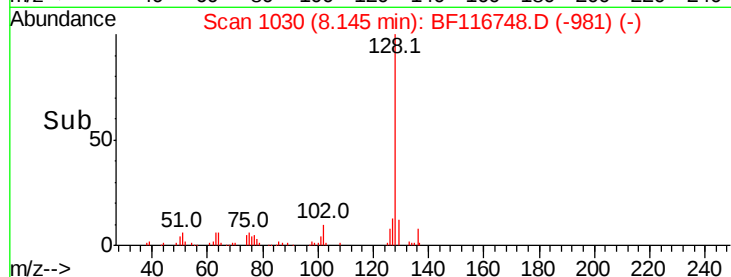
127 13.1 10.4 15.6



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

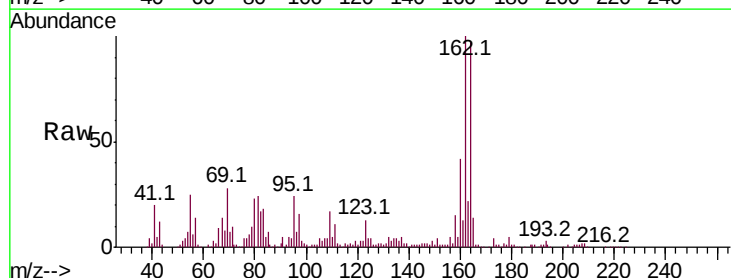
Tgt Ion:164 Resp: 168087

Ion Ratio Lower Upper

164 100

162 103.2 81.4 122.0

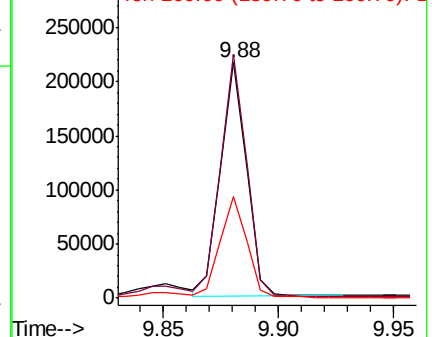
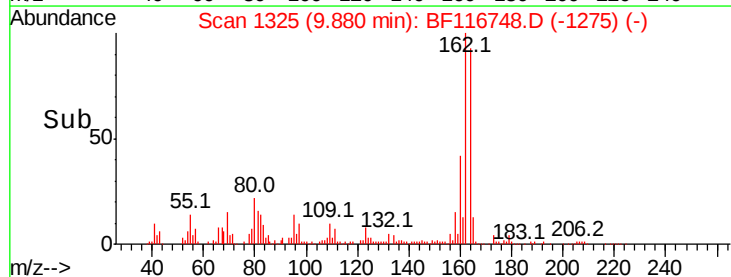
160 43.2 35.4 53.2

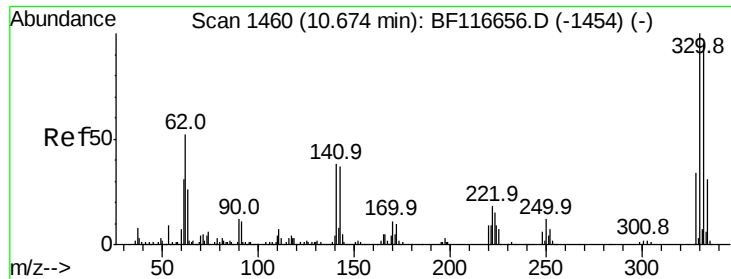


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 96.058 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

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BNA_F

ClientSampleId :

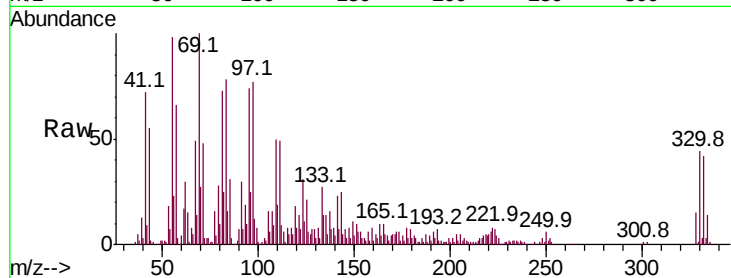
Tot Ion:330 Resp: 107940

Ion Ratio Lower Upper

330 100

332 94.9 76.9 115.3

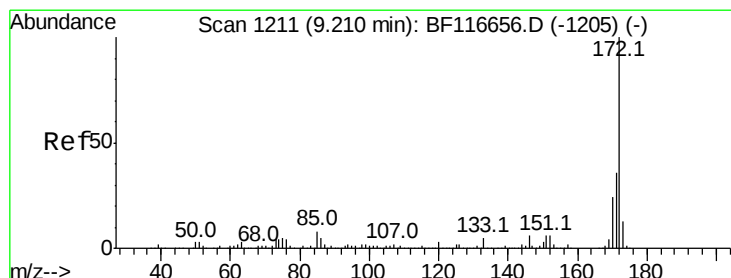
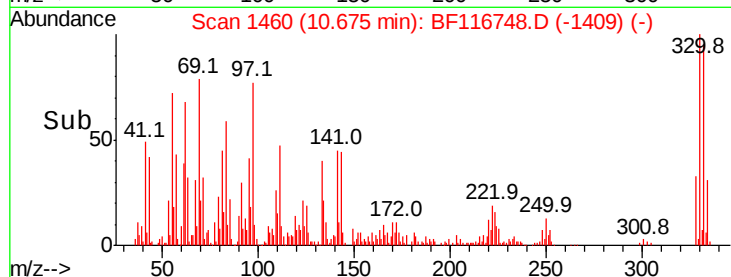
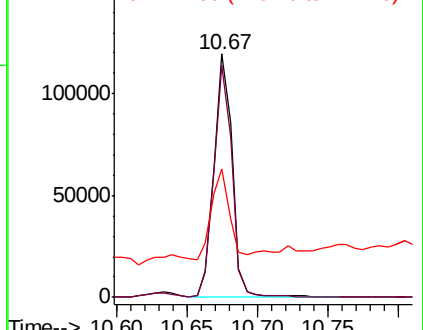
141 37.4 31.4 47.2



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: 67.128 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

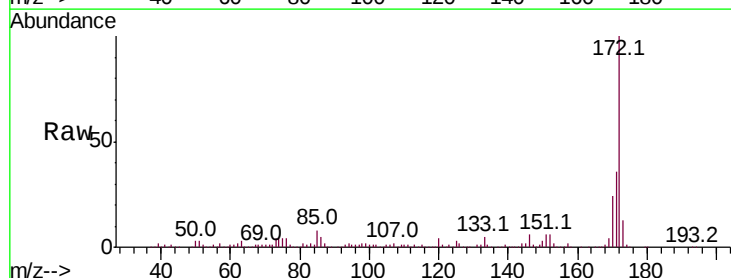
Tgt Ion:172 Resp: 668886

Ion Ratio Lower Upper

172 100

171 35.8 27.8 41.6

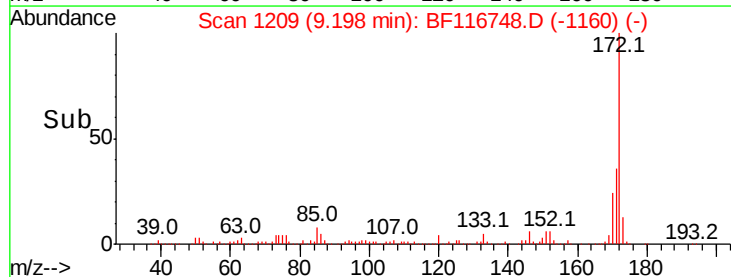
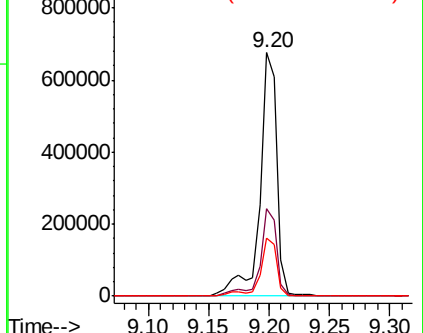
170 23.6 18.9 28.3

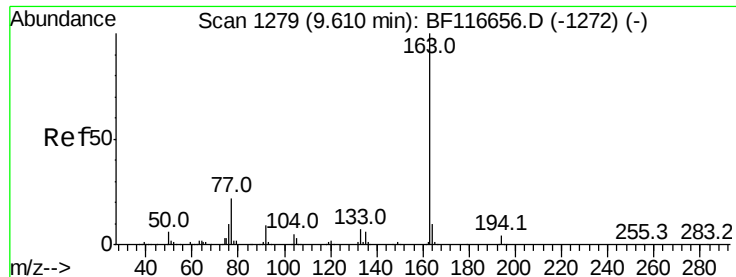


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

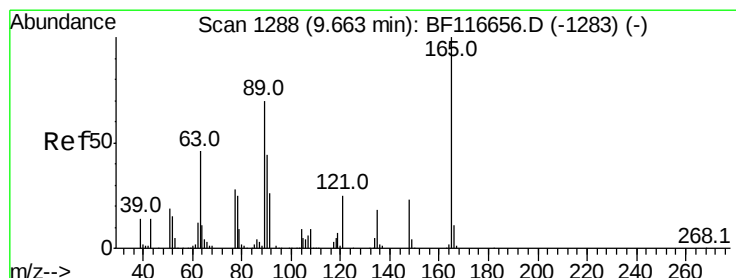
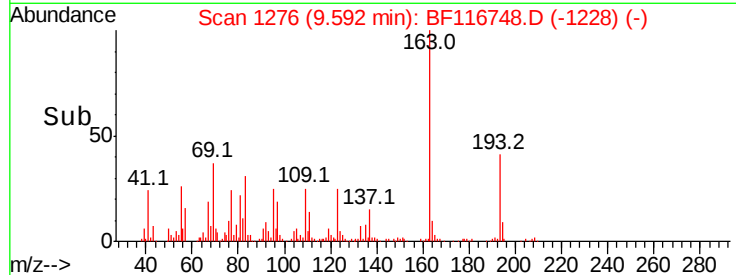
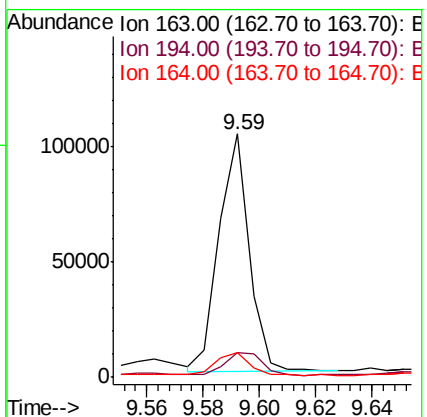
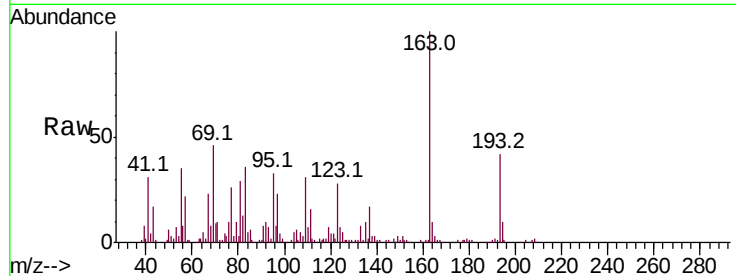




#50
Dimethylphthalate
Concen: 6.618 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

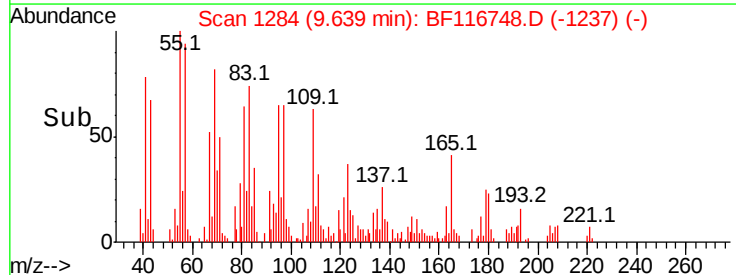
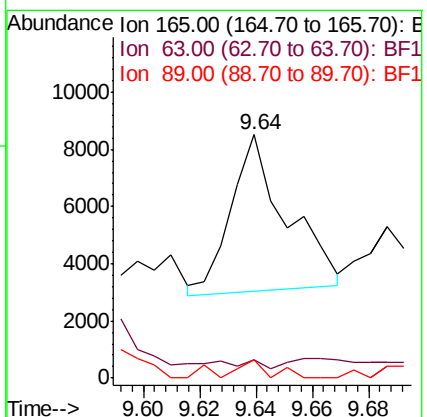
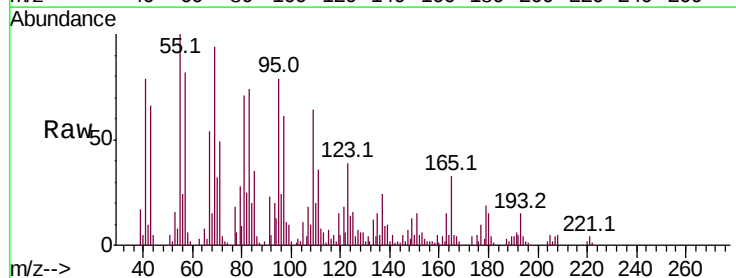
Instrument :
BNA_F
ClientSampleId :

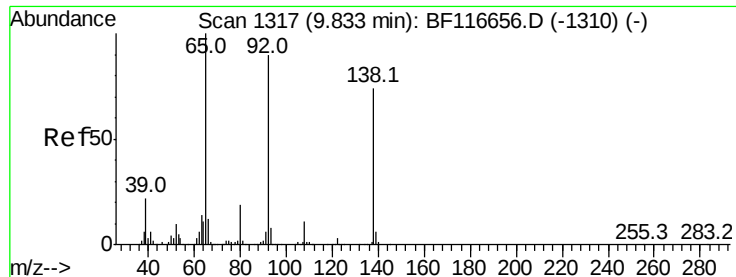
Tot Ion	Ratio	Lower	Upper
163	100		
194	10.3	2.8	4.2#
164	10.3	8.6	12.8



#51
2,6-Dinitrotoluene
Concen: 3.382 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	7.8	47.3	70.9#
89	7.3	52.5	78.7#

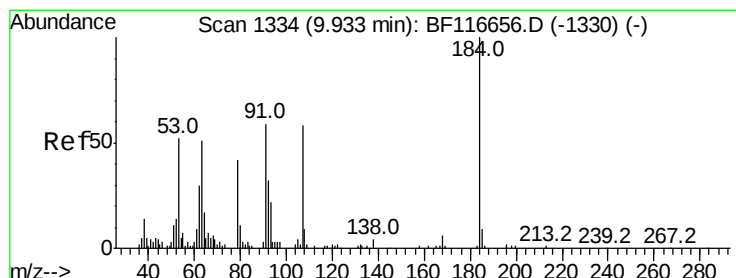
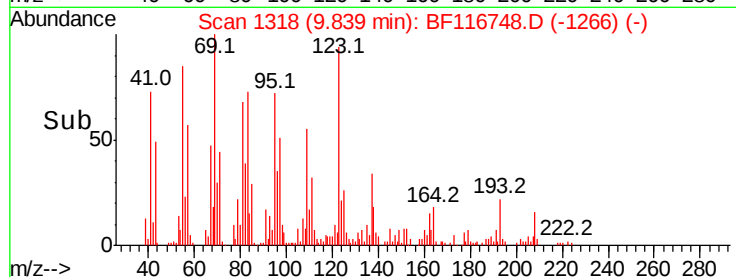
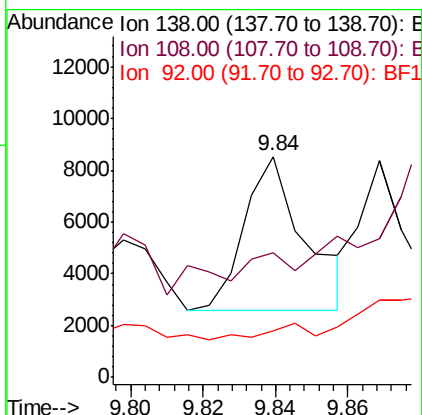
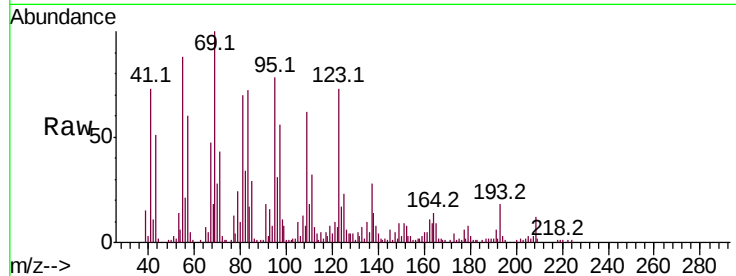




#53
3-Nitroaniline
Concen: 2.480 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

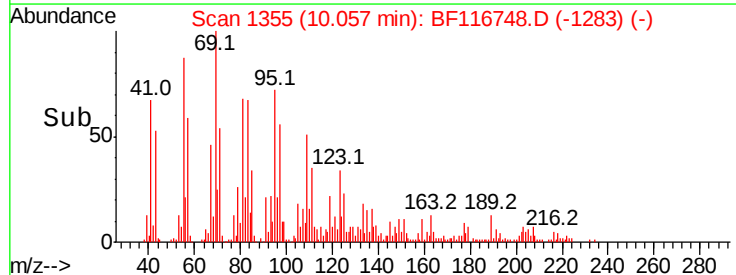
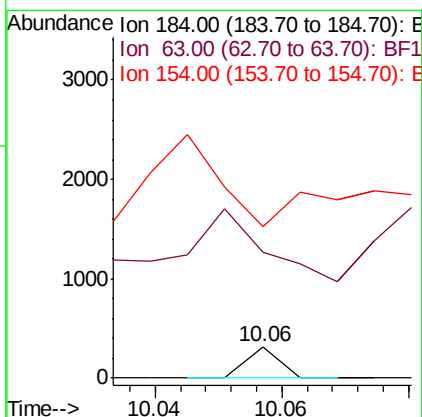
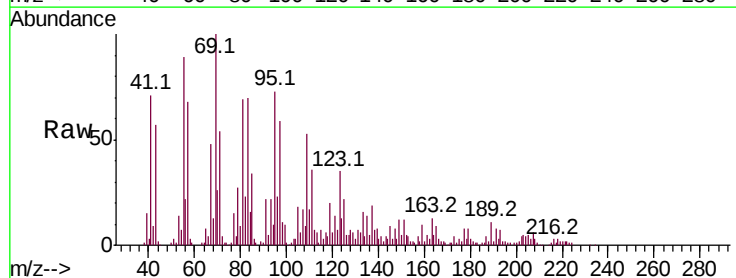
Instrument :
BNA_F
ClientSampleId :

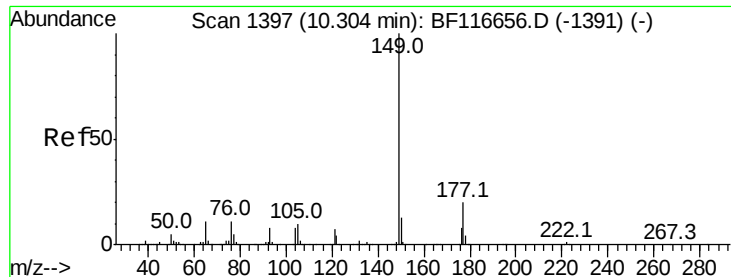
Tot Ion:138 Resp: 6881
Ion Ratio Lower Upper
138 100
108 56.4 8.5 12.7#
92 20.9 87.2 130.8#



#54
2,4-Dinitrophenol
Concen: 9.165 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.12 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 405.1 52.2 78.2#
154 486.3 60.8 91.2#





#60

Diethylphthalate

Concen: 3.142 ng

RT: 10.35 min Scan# 1404

Delta R.T. 0.04 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

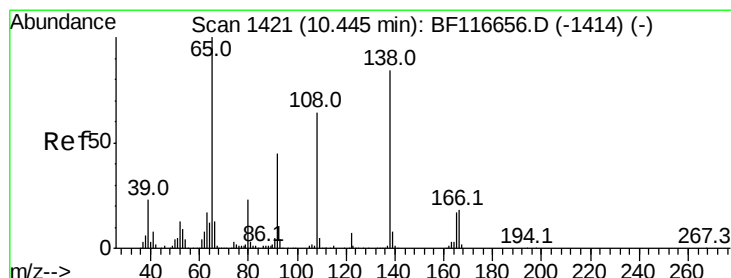
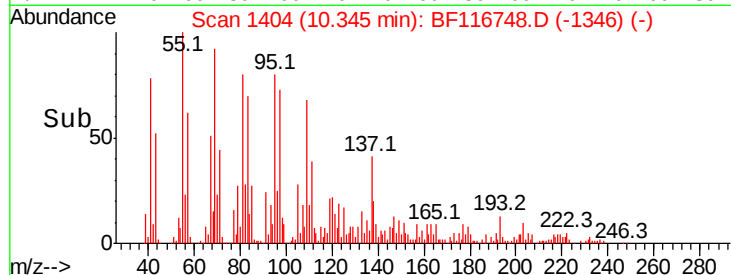
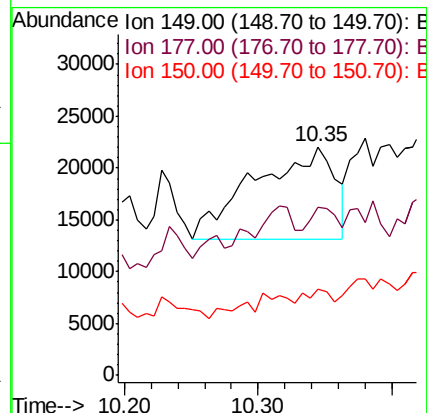
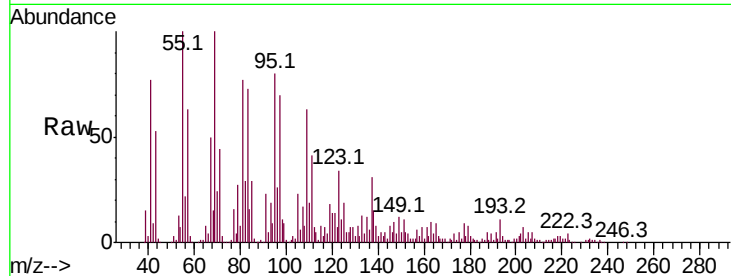
Tot Ion:149 Resp: 36527

Ion Ratio Lower Upper

149 100

177 73.4 17.2 25.8#

150 37.5 9.7 14.5#



#62

4-Nitroaniline

Concen: 2.616 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.18 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

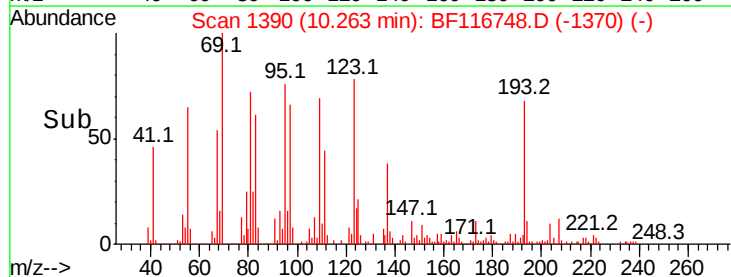
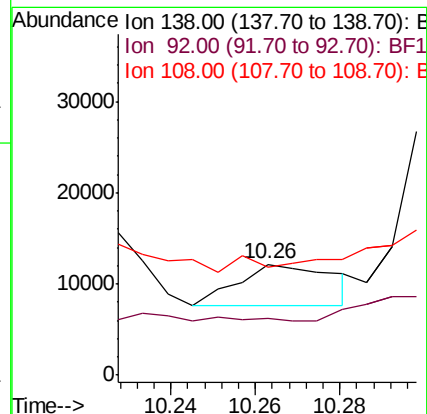
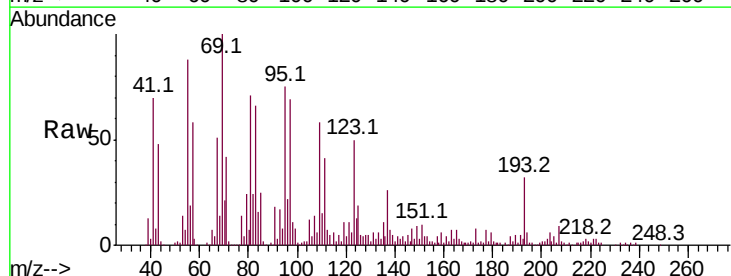
Tgt Ion:138 Resp: 7043

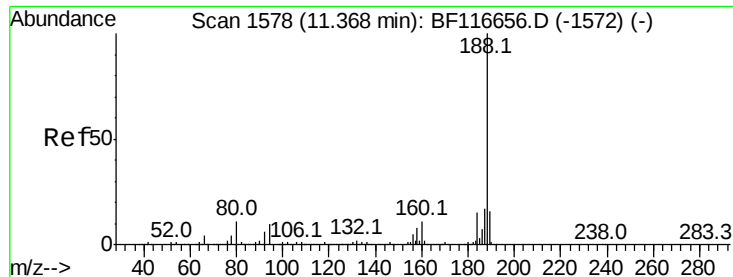
Ion Ratio Lower Upper

138 100

92 51.1 28.7 68.7

108 97.6 60.4 100.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

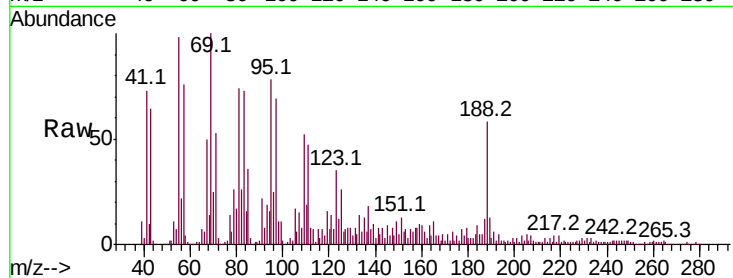
Tot Ion:188 Resp: 211580

Ion Ratio Lower Upper

188 100

94 28.2 7.3 10.9#

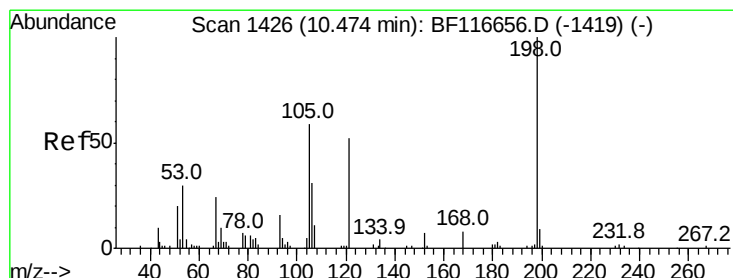
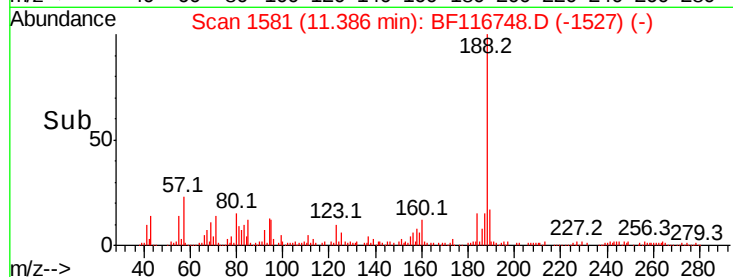
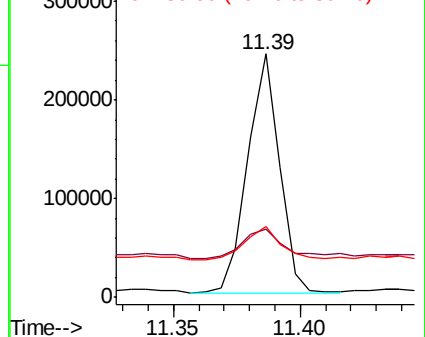
80 29.1 8.4 12.6#



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: 8.837 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.03 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

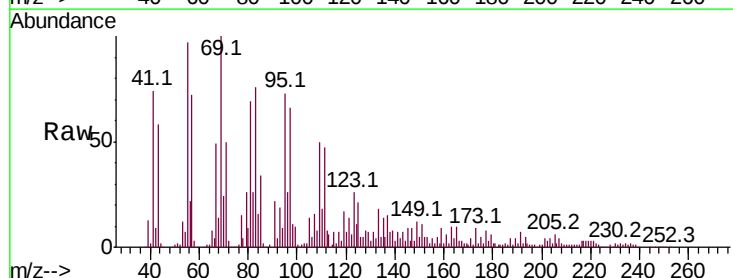
Tgt Ion:198 Resp: 1278

Ion Ratio Lower Upper

198 100

51 614.2 18.4 58.4#

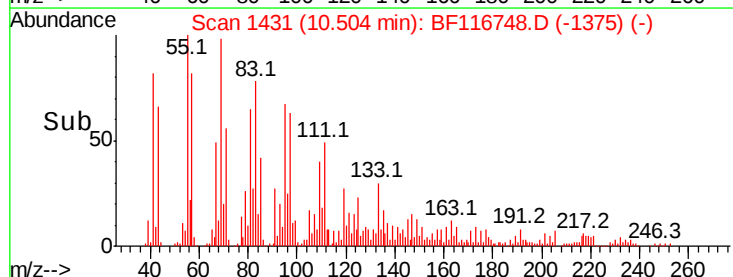
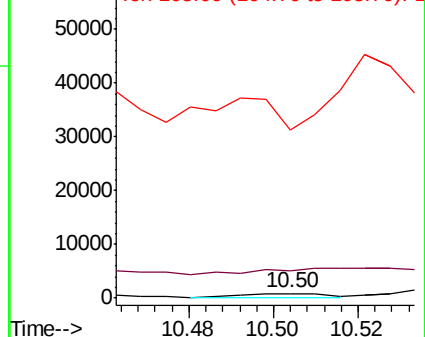
105 3777.6 22.9 62.9#

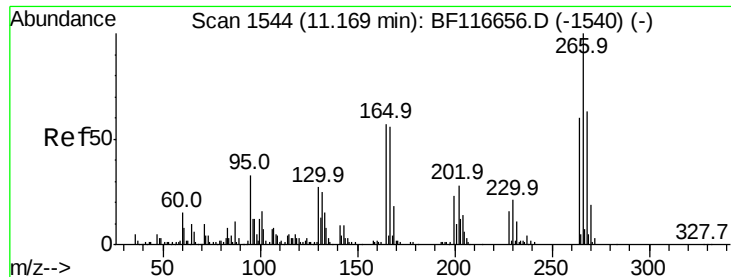


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 2.555 ng

RT: 11.20 min Scan# 1549

Delta R.T. 0.03 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampled :

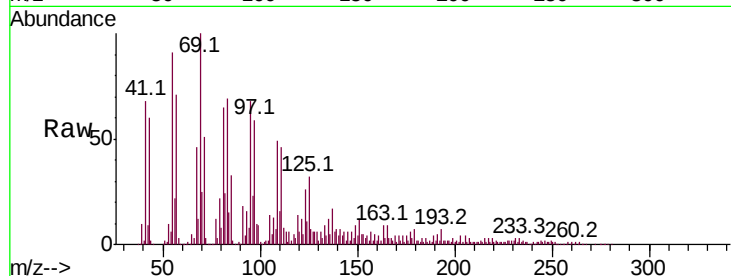
Tot Ion:266 Resp: 2779

Ion Ratio Lower Upper

266 100

268 0.0 51.2 76.8#

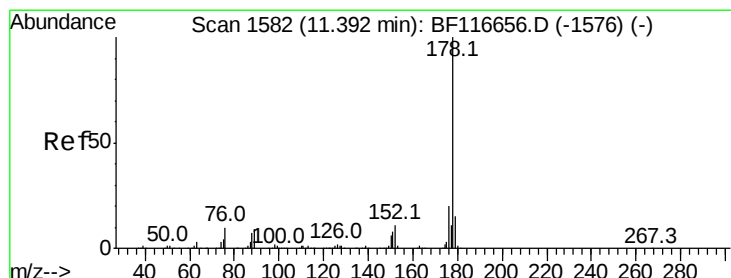
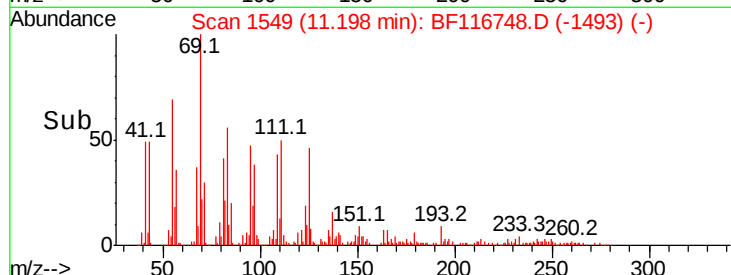
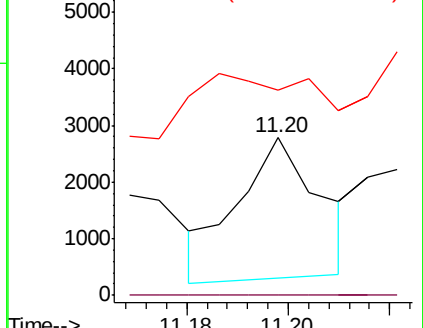
264 130.5 51.9 77.9#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 11.162 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

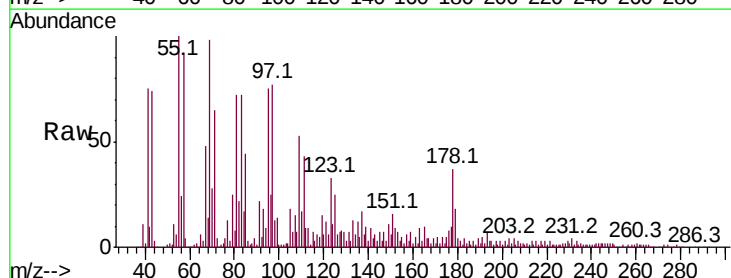
Tgt Ion:178 Resp: 131468

Ion Ratio Lower Upper

178 100

176 22.4 15.4 23.0

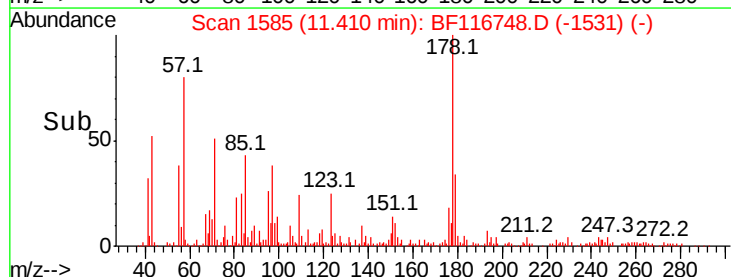
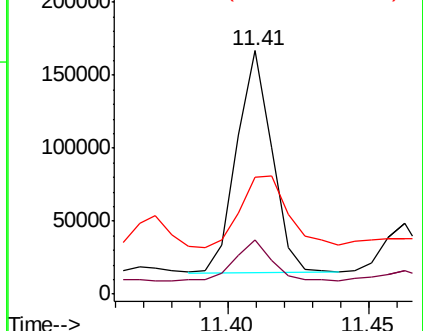
179 48.1 12.2 18.2#

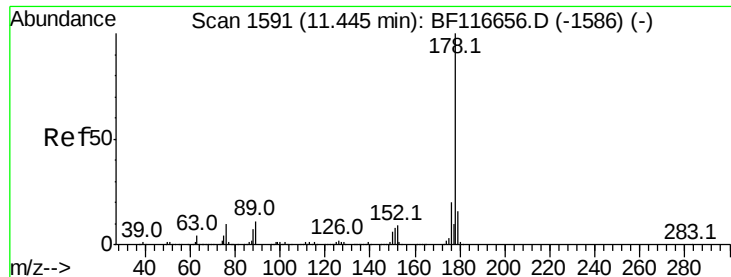


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.615 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

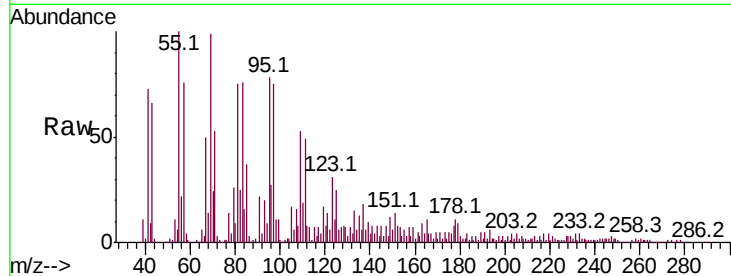
Tot Ion:178 Resp: 31006

Ion Ratio Lower Upper

178 100

176 32.5 15.4 23.0#

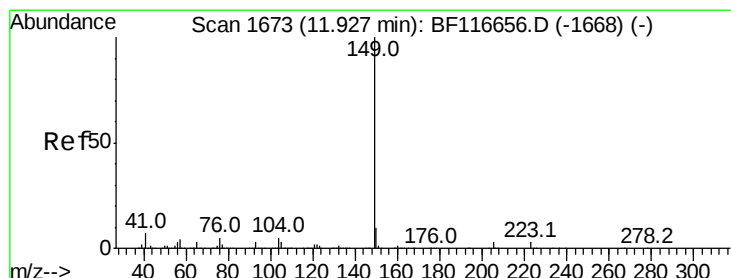
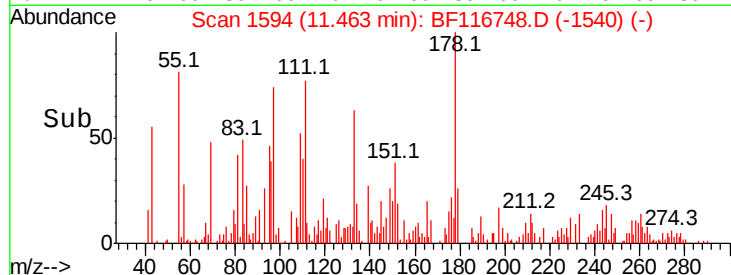
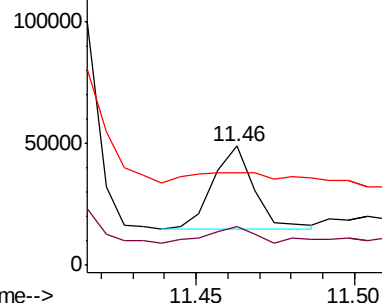
179 77.6 12.5 18.7#



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: 4.915 ng

RT: 11.95 min Scan# 1677

Delta R.T. 0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

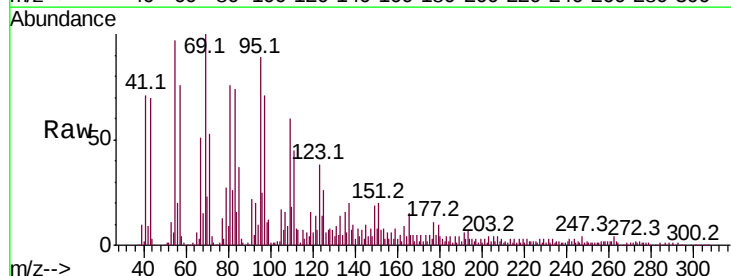
Tgt Ion:149 Resp: 71163

Ion Ratio Lower Upper

149 100

150 42.1 7.2 10.8#

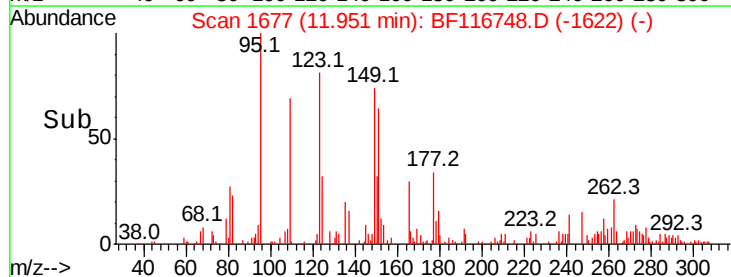
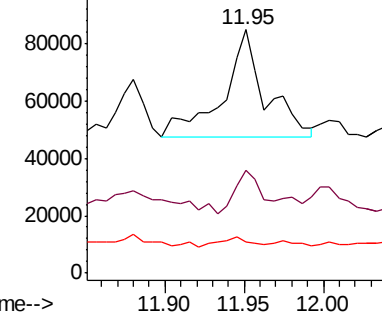
104 12.9 4.2 6.2#

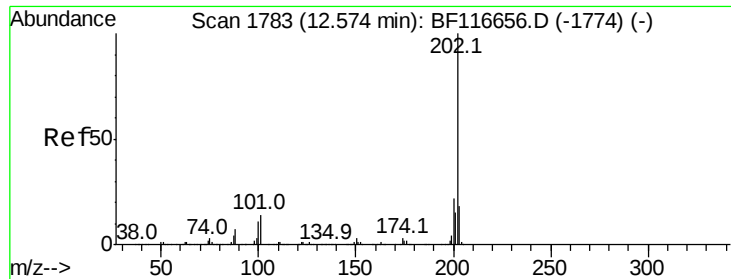


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 21.242 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.04 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

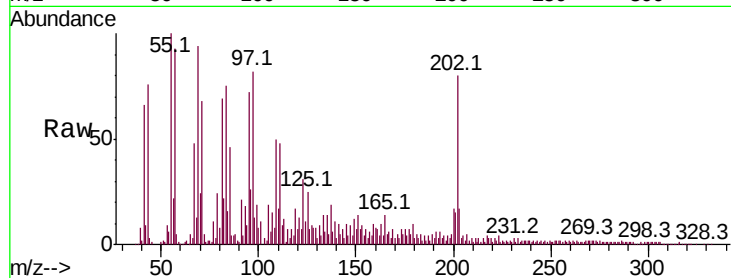
Tot Ion:202 Resp: 245870

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.3

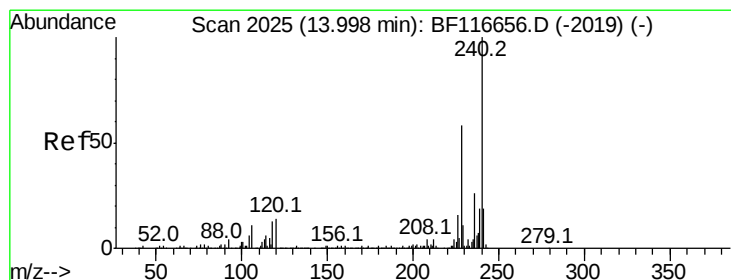
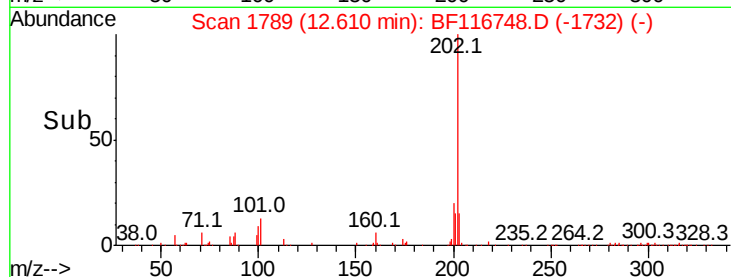
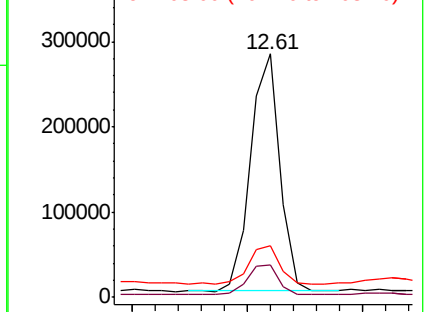
203 21.4 0.0 37.6



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: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

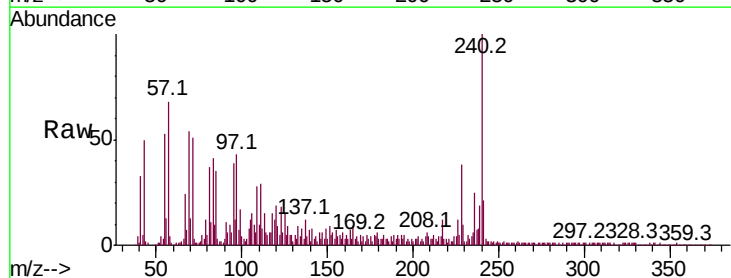
Tgt Ion:240 Resp: 199298

Ion Ratio Lower Upper

240 100

120 18.9 9.1 13.7#

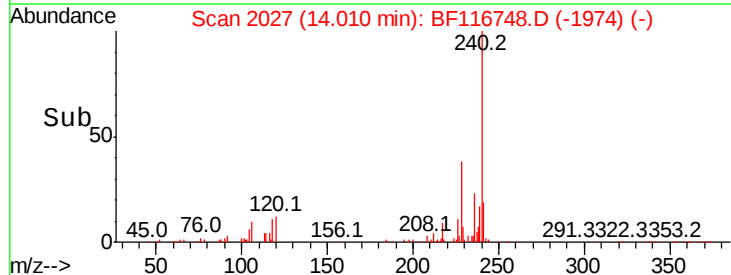
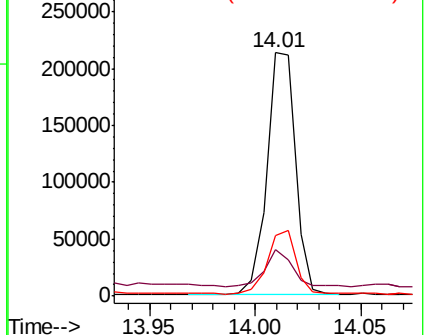
236 24.8 21.1 31.7

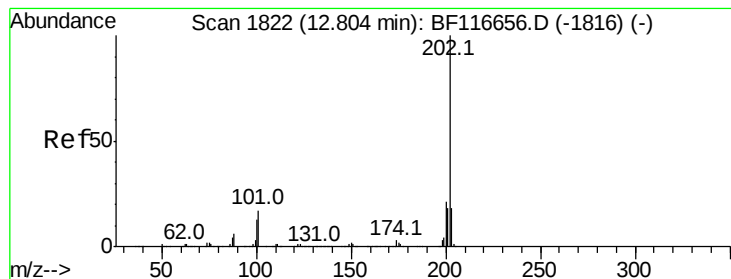


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 14.325 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.03 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

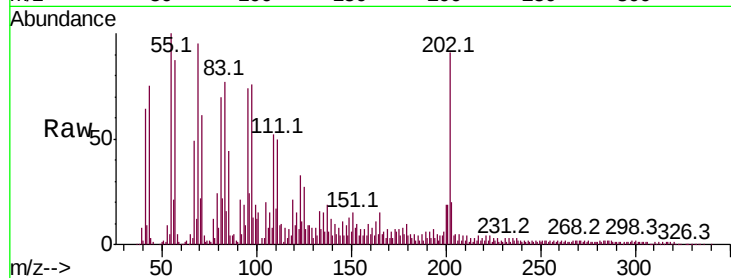
Tot Ion:202 Resp: 253781

Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

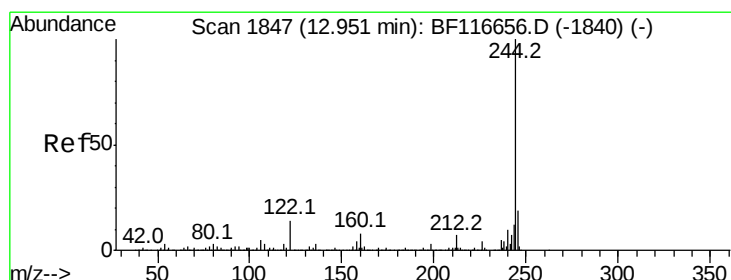
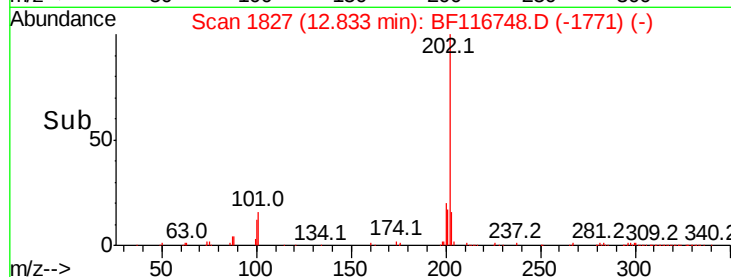
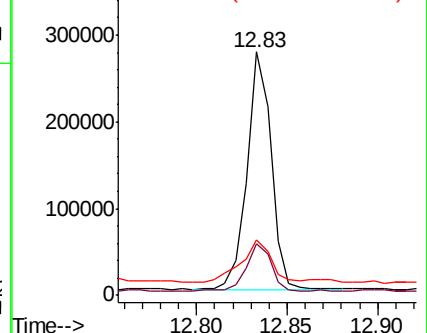
203 22.5 13.7 20.5#



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: 51.410 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

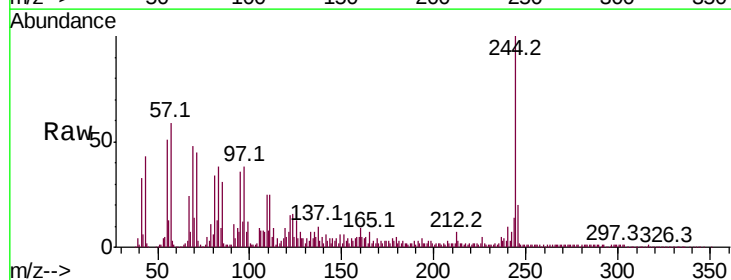
Tgt Ion:244 Resp: 553846

Ion Ratio Lower Upper

244 100

212 6.8 6.1 9.1

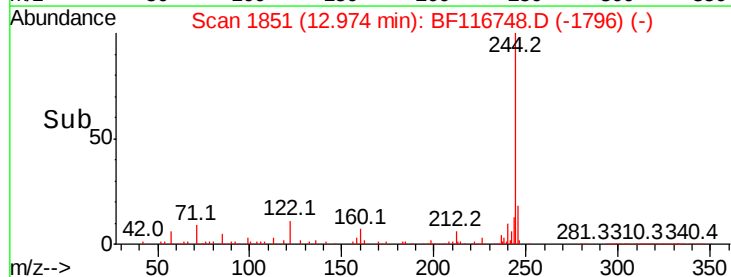
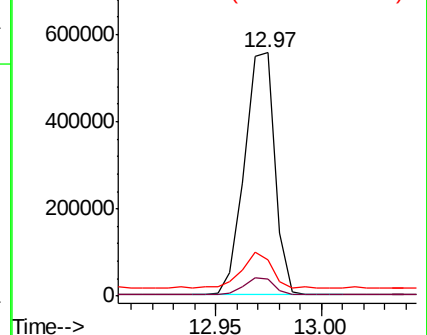
122 15.1 10.2 15.4

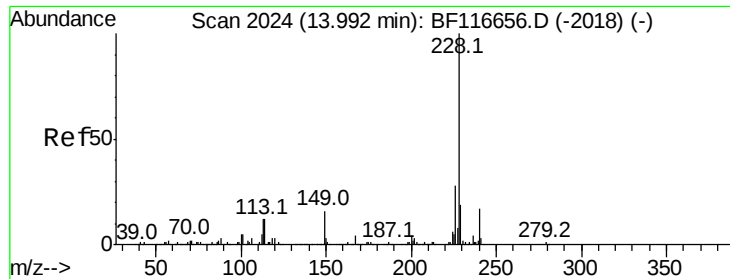


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 12.827 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampleId :

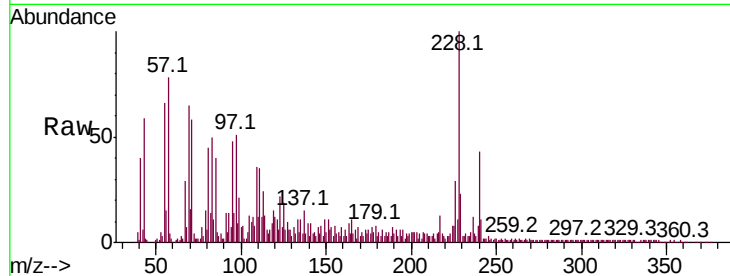
Tot Ion:228 Resp: 161797

Ion Ratio Lower Upper

228 100

226 29.1 22.0 33.0

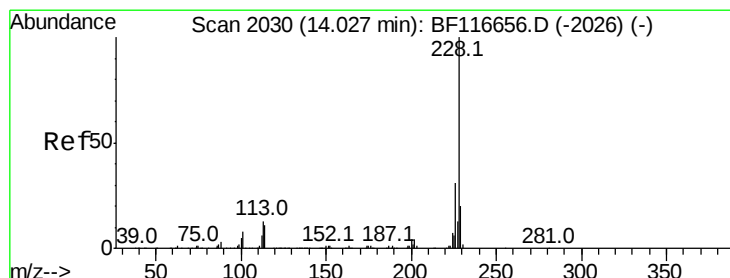
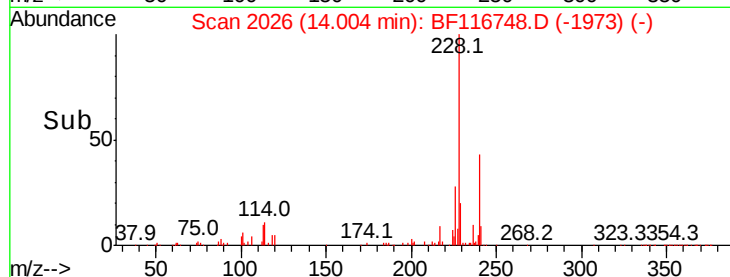
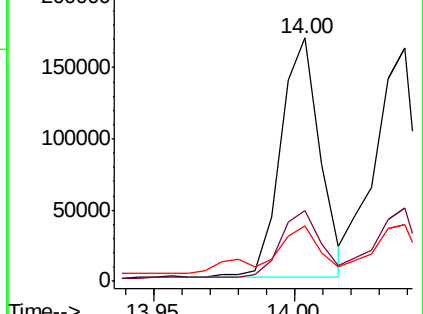
229 23.0 16.4 24.6



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: 12.451 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

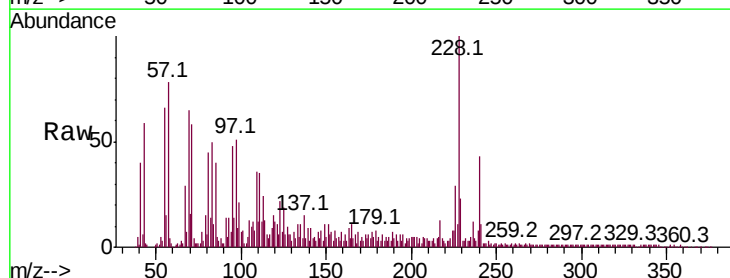
Tgt Ion:228 Resp: 161797

Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

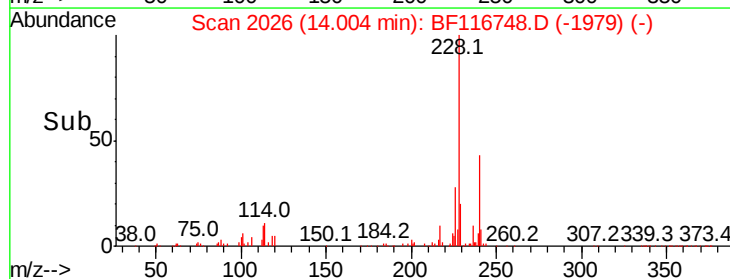
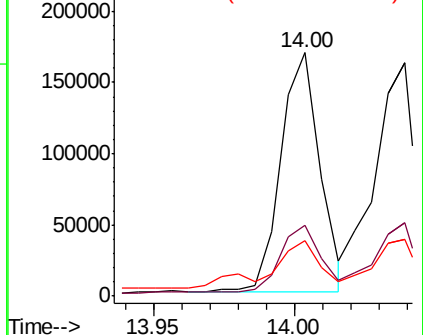
229 23.0 15.4 23.0

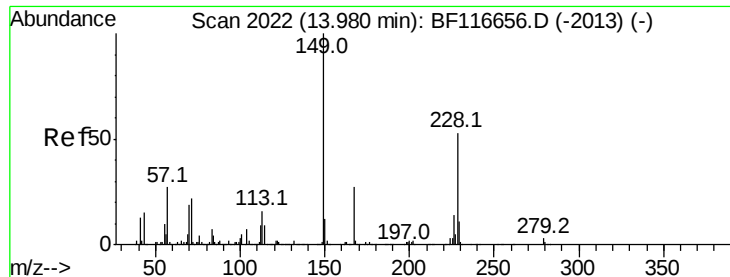


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 20.560 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

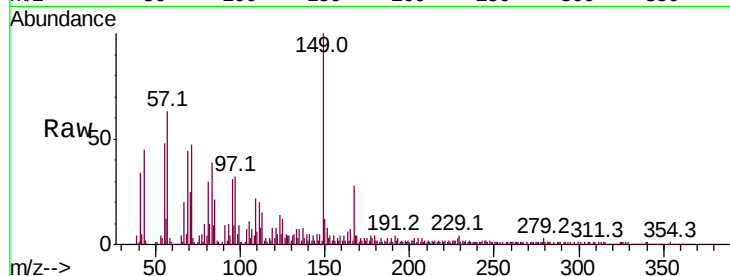
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 218657

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.0	31.4
279	3.5	2.8	4.2

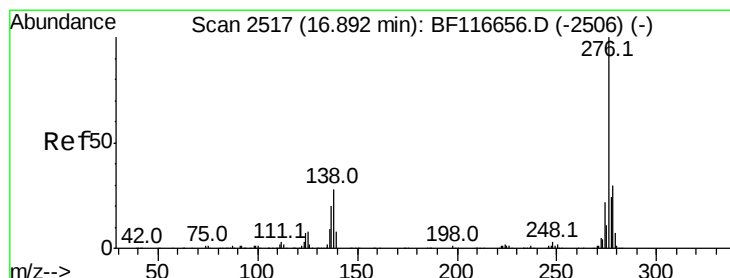
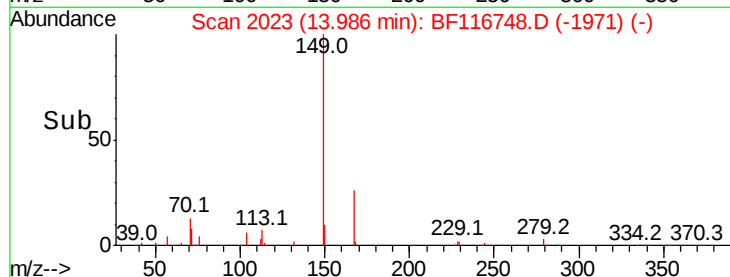
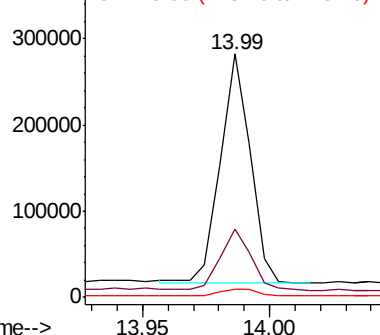


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.688 ng

RT: 16.89 min Scan# 2516

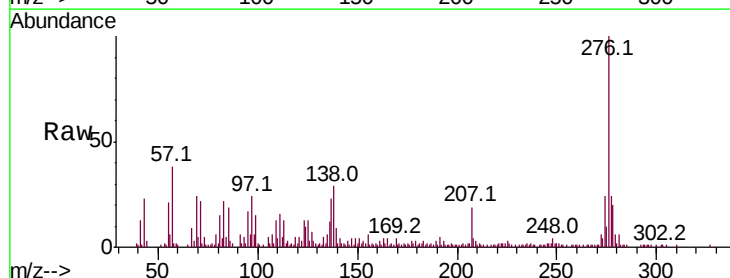
Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tgt Ion:276 Resp: 80243

Ion	Ratio	Lower	Upper
276	100		
138	28.2	19.4	29.2
277	25.1	20.5	30.7

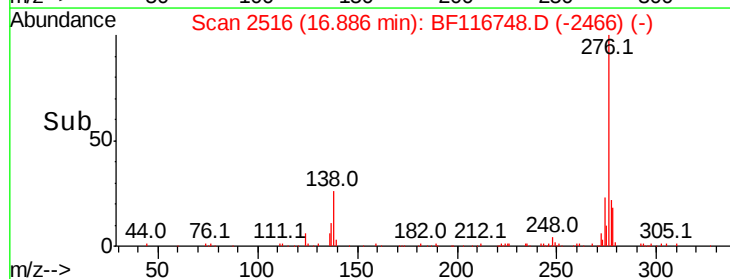
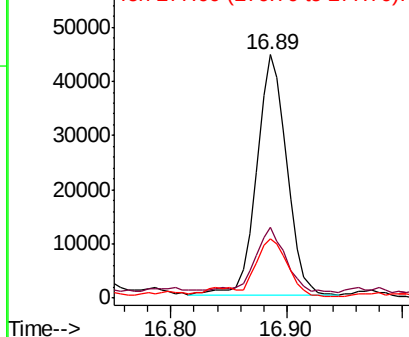


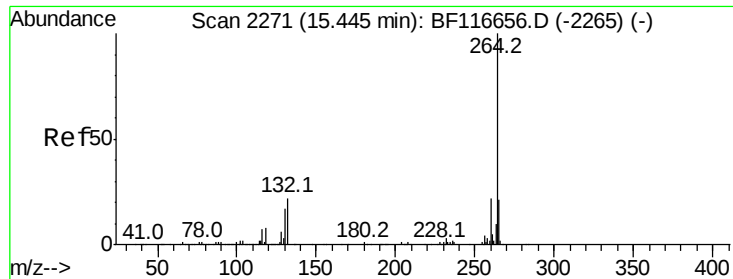
Abundance

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# 2273

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

ClientSampled :

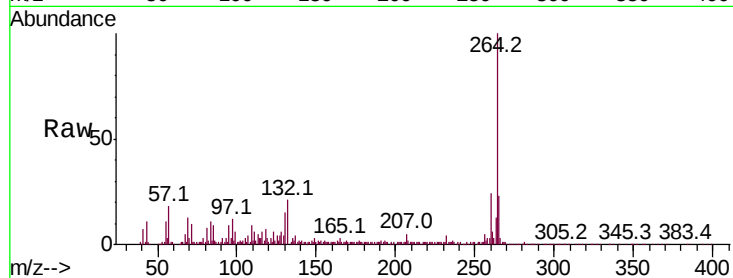
Tot Ion:264 Resp: 245486

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

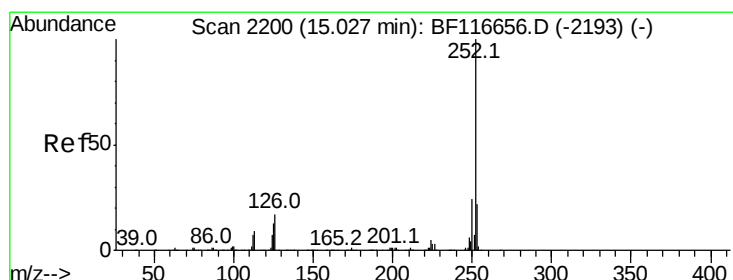
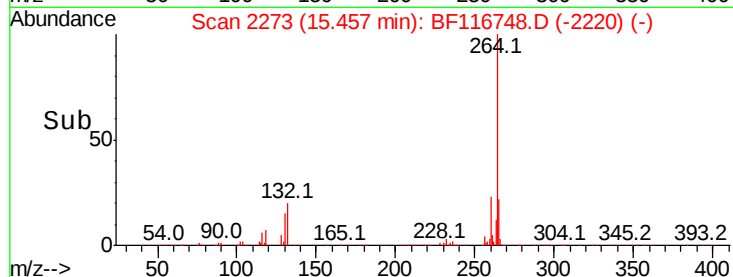
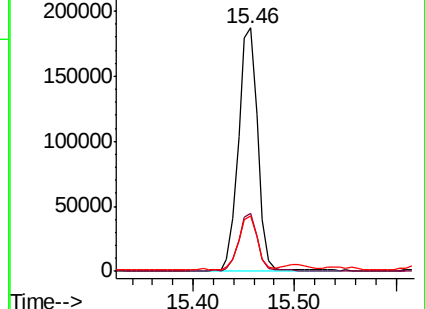
265 22.7 16.5 24.7



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: 18.679 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

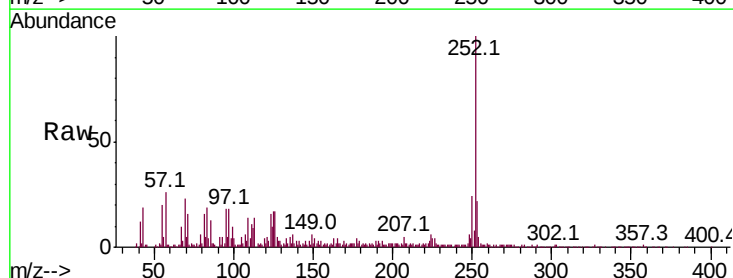
Tgt Ion:252 Resp: 277234

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

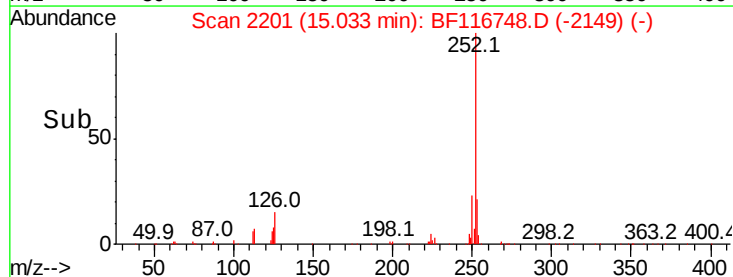
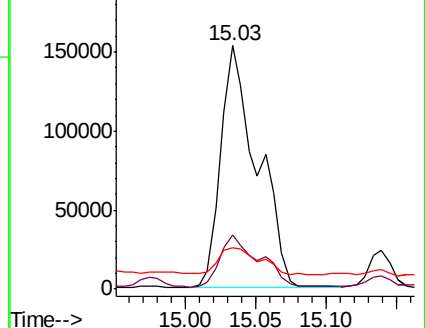
125 17.1 8.2 12.2#

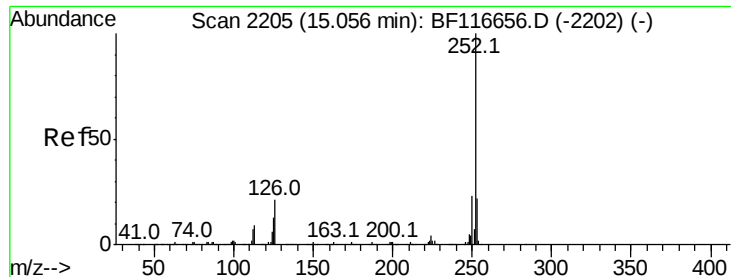


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

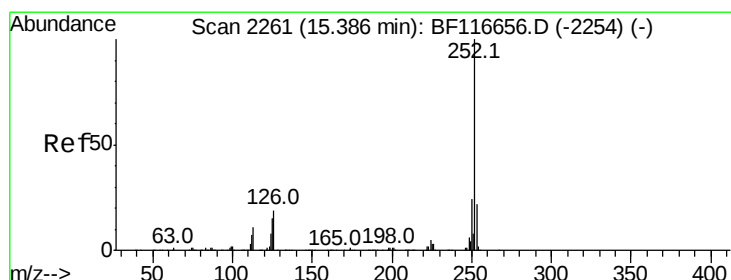
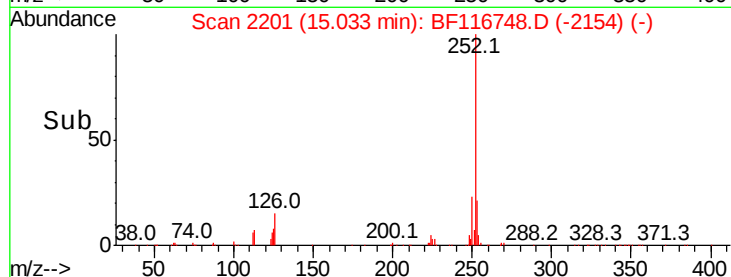
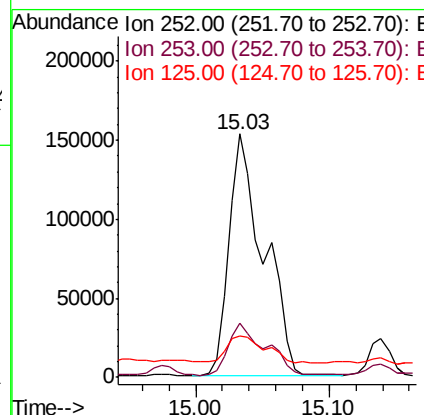
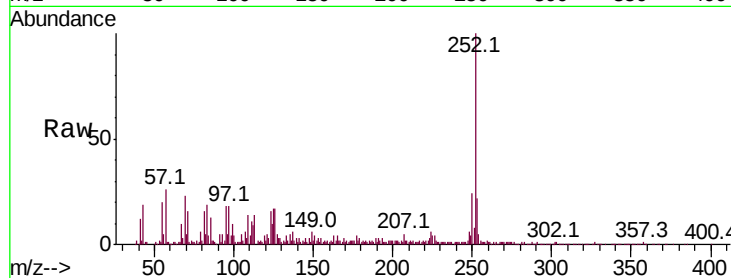




#89
Benzo(k)fluoranthene
Concen: 20.484 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

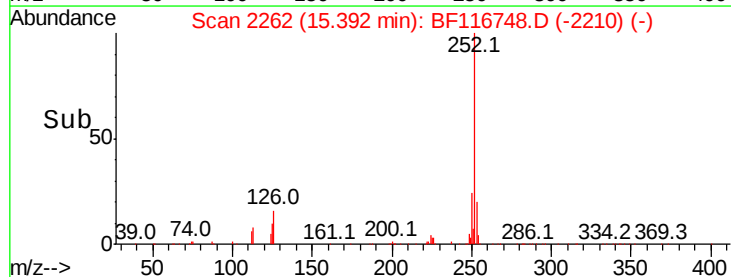
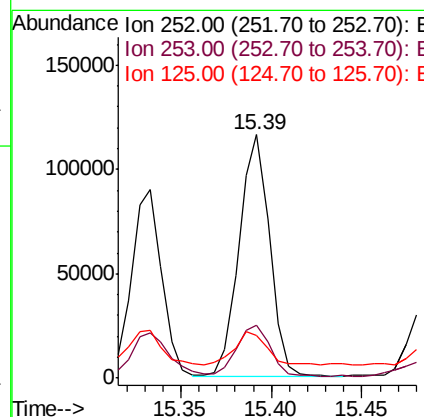
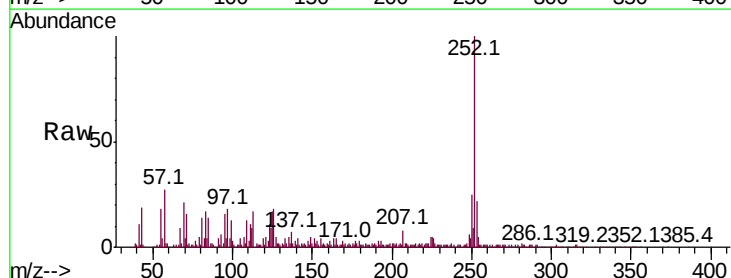
Instrument :
BNA_F
ClientSampleId :

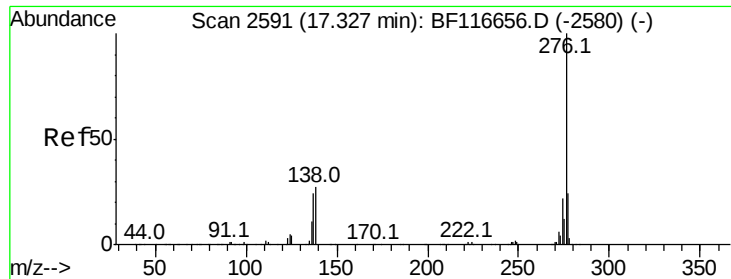
Tot Ion:252 Resp: 277195
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 17.1 8.6 13.0#



#90
Benzo(a)pyrene
Concen: 10.455 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion:252 Resp: 135005
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 17.4 9.8 14.8#





#92
 Benzo(a,h,i)perylene
 Concen: 6.664 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF116748.D
 Acq: 1 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 76817
 Ion Ratio Lower Upper
 276 100
 277 25.6 18.5 27.7
 138 26.7 16.2 24.2#

