

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112209.D
 Acq On : 24 Jan 2019 15:24
 Operator : JU/SJ
 Sample : K1016-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 24 16:27:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	175488	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	646220	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	305020	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	495797	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	423016	20.00	ng	0.00
87) Perylene-d12	15.50	264	451056	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1045192	108.10	ng	0.00
7) Phenol-d6	6.50	99	1288318	106.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	770658	82.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	332316	100.99	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1440075	69.22	ng	0.00
79) Terphenyl-d14	12.97	244	1073163	53.97	ng	0.00

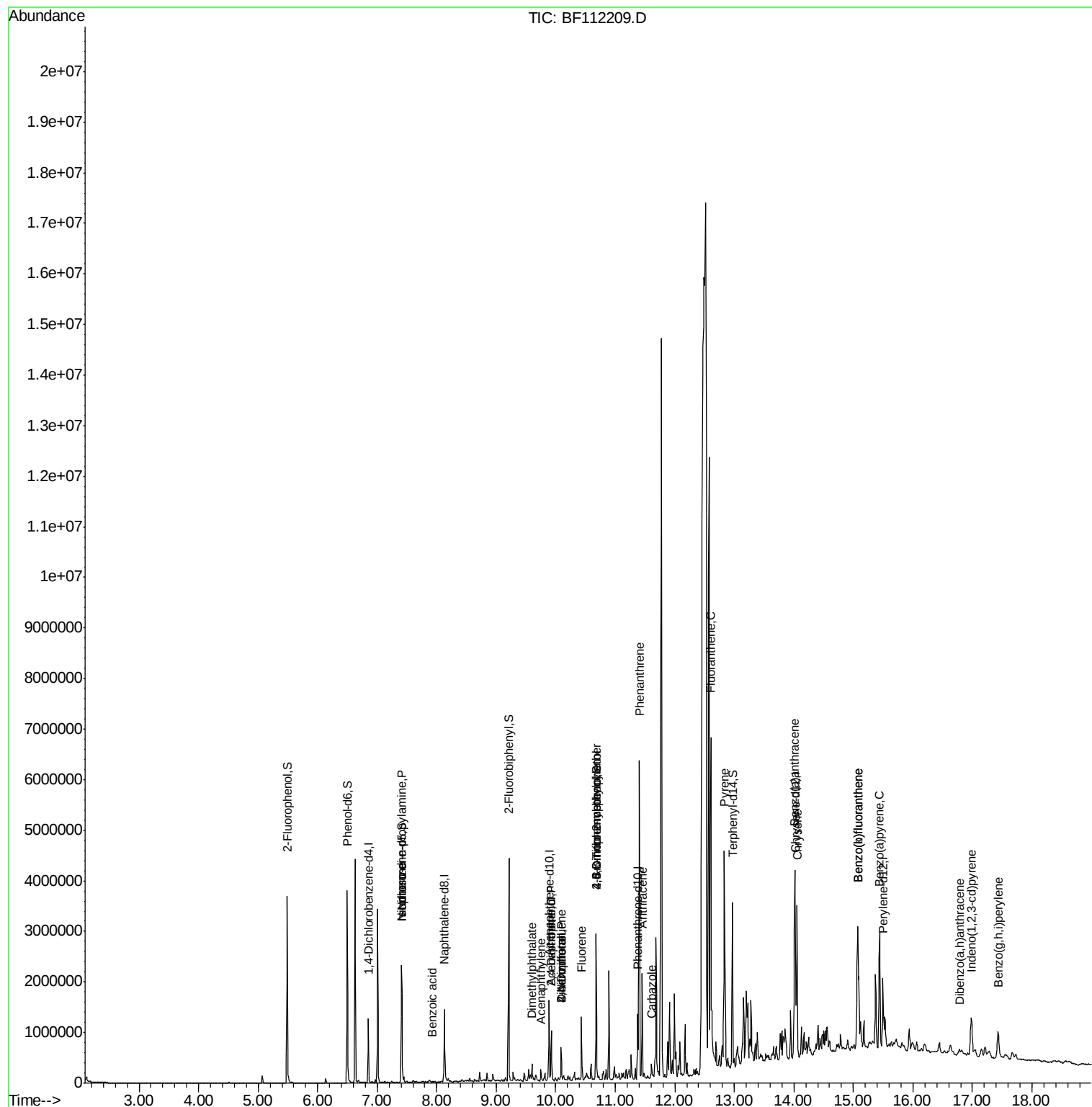
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	2398	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.41	70	105891	14.369	ng	# 76
25) Isophorone	7.41	82	766418	42.422	ng	# 64
32) Benzoic acid	7.93	122	118	7.201	ng	# 72
49) Acenaphthylene	9.75	152	94729	3.252	ng	99
50) Dimethylphthalate	9.60	163	107083	4.814	ng	99
52) Acenaphthene	9.92	154	116276	6.523	ng	99
54) 2,4-Dinitrophenol	9.93	184	1323	9.271	ng	# 1
55) Dibenzofuran	10.09	168	213489	7.920	ng	98
56) 4-Nitrophenol	10.09	139	80851	26.817	ng	# 14
57) 2,4-Dinitrotoluene	10.09	165	1549	4.827	ng	# 1
58) Fluorene	10.43	166	336588	16.712	ng	99
65) 4,6-Dinitro-2-methylphenol	10.67	198	616	10.305	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	20260	3.518	ng	# 1
71) Phenanthrene	11.40	178	2385255	95.596	ng	99
72) Anthracene	11.45	178	795904	31.489	ng	99
73) Carbazole	11.60	167	106630	4.211	ng	96
75) Fluoranthene	12.60	202	2738507	103.950	ng	98
78) Pyrene	12.83	202	2315551	82.968	ng	98
81) Benzo(a)anthracene	14.02	228	1289845	53.180	ng	99
83) Chrysene	14.05	228	1024730	44.650	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	496159	23.433	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	1961189	76.598	ng	99
89) Benzo(k)fluoranthene	15.07	252	1961189	79.140	ng	100
90) Benzo(a)pyrene	15.44	252	1029088	43.827	ng	97
91) Dibenzo(a,h)anthracene	16.79	278	84412	4.048	ng	92
92) Benzo(g,h,i)perylene	17.43	276	416911	20.292	ng	98

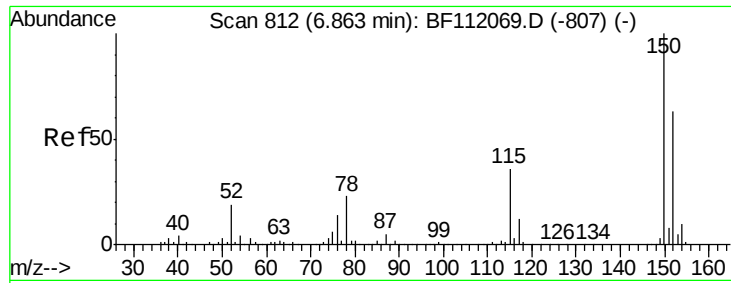
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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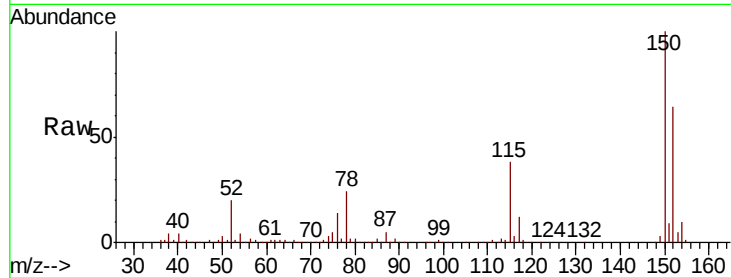




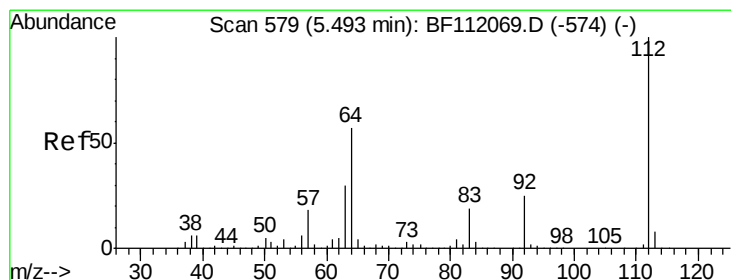
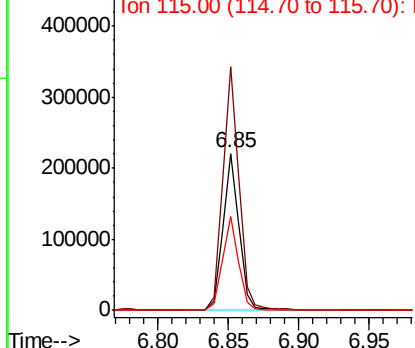
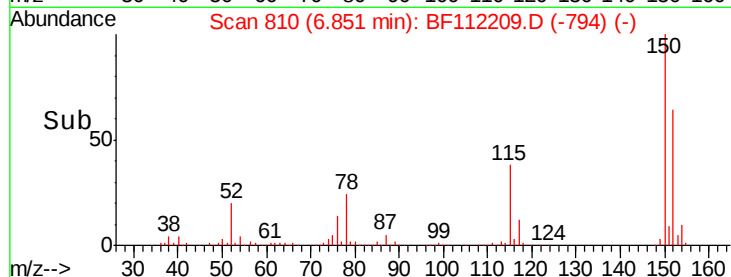
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 175488
 Ion Ratio Lower Upper
 152 100
 150 155.3 127.4 191.0
 115 59.8 45.5 68.3

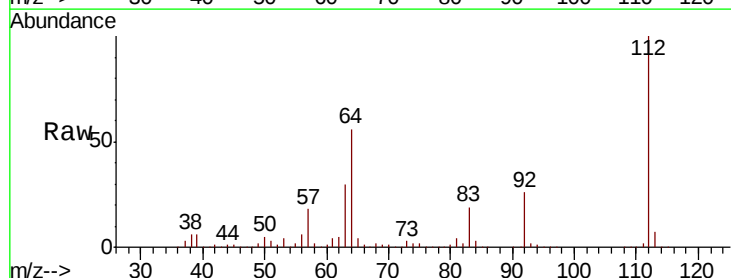


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

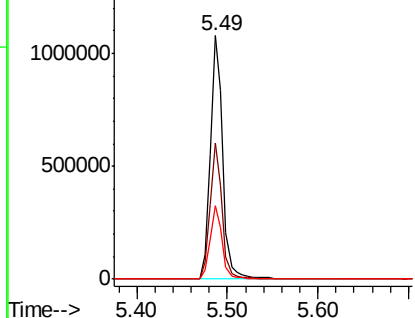
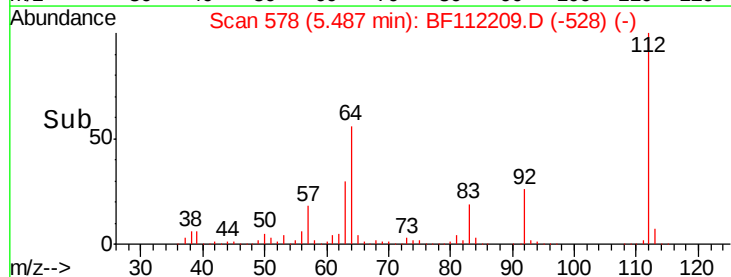


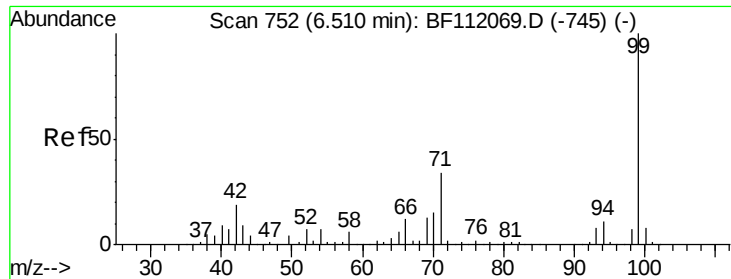
#5
 2-Fluorophenol
 Concen: 108.102 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion:112 Resp: 1045192
 Ion Ratio Lower Upper
 112 100
 64 56.0 45.7 68.5
 63 30.0 23.6 35.4



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: 106.500 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

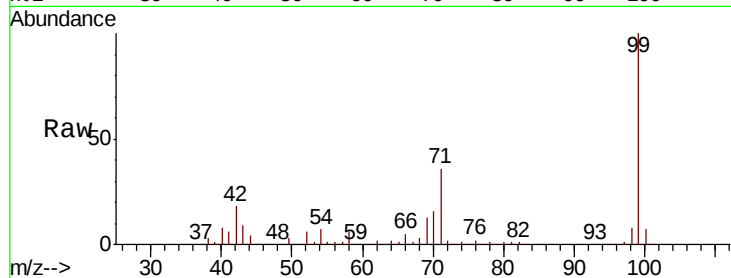
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1288318

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	35.8	26.9	40.3

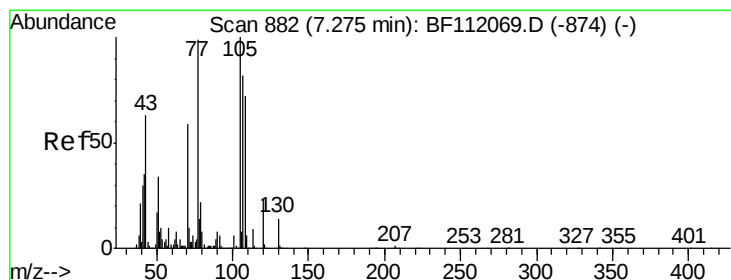
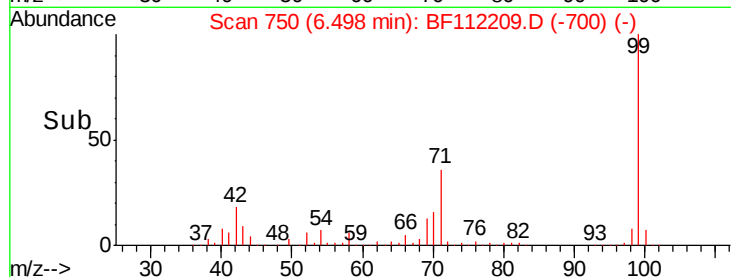
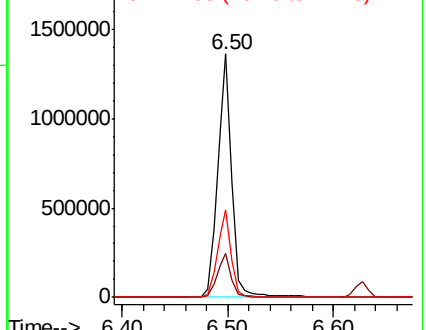


Abundance

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: 14.369 ng

RT: 7.41 min Scan# 905

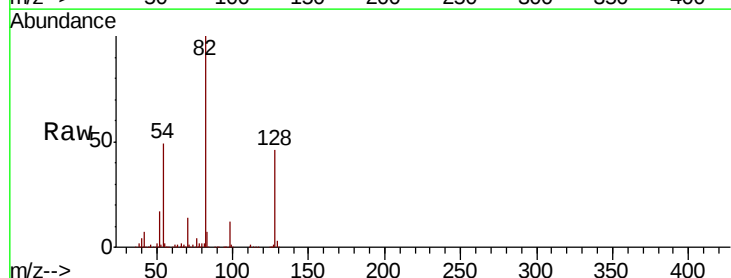
Delta R.T. 0.14 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion: 70 Resp: 105891

Ion	Ratio	Lower	Upper
70	100		
42	47.1	47.6	71.4#
101	0.0	7.9	11.9#
130	1.7	18.4	27.6#



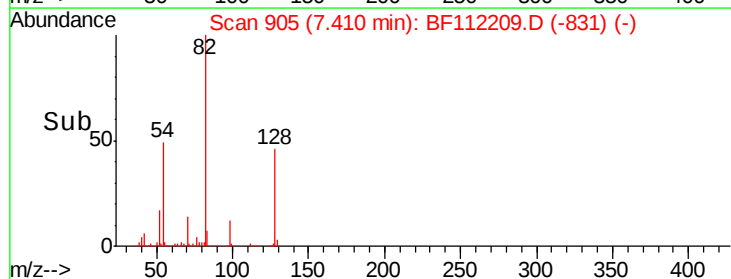
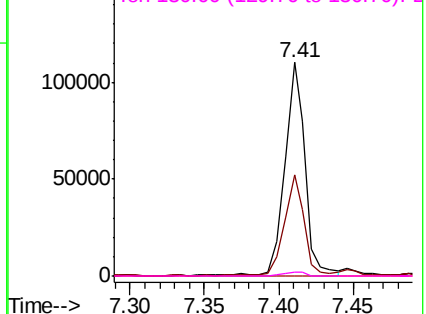
Abundance

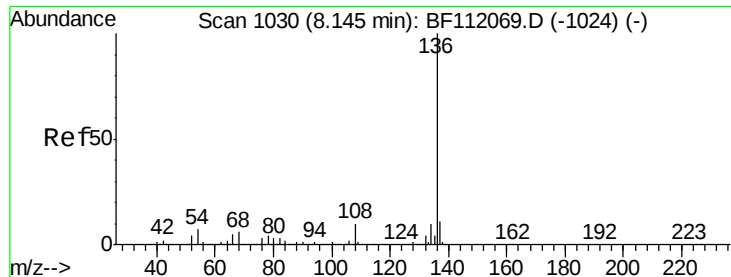
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

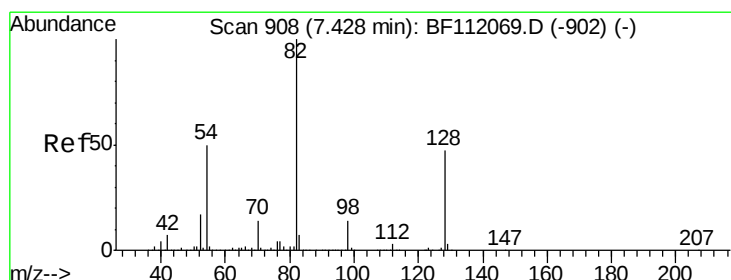
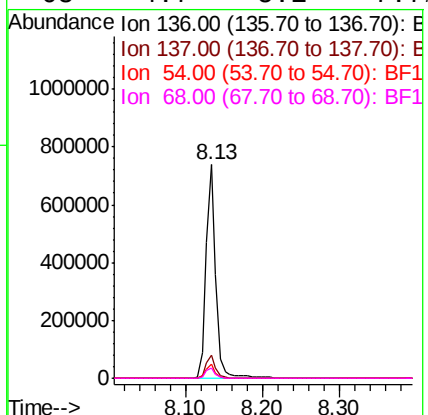
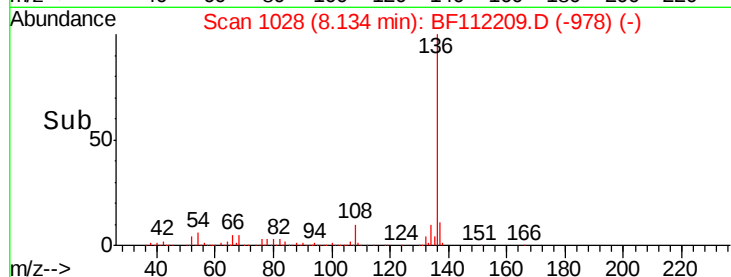
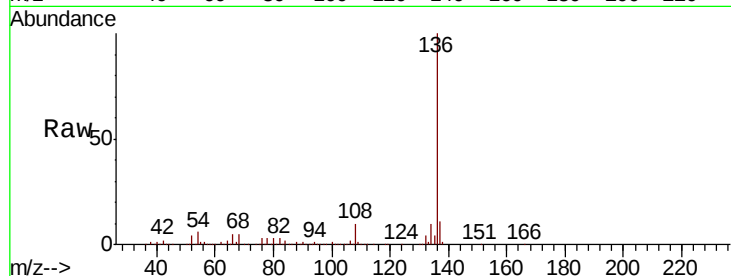




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

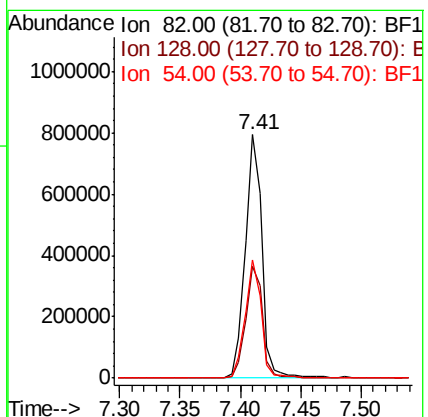
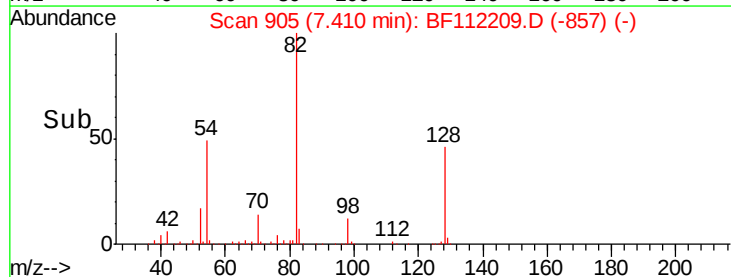
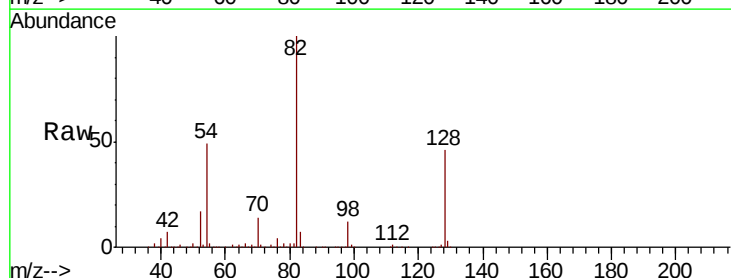
Instrument :
BNA_F
ClientSampleId :

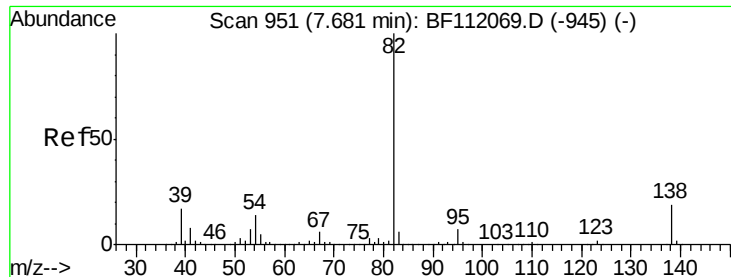
Tot Ion:136	Resp:	646220
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.1	13.7
54 6.4	5.9	8.9
68 4.7	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 82.393 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion: 82	Resp: 770658
Ion Ratio	Lower Upper
82 100	
128 45.8	37.8 56.8
54 48.6	39.7 59.5





#25

Isophorone

Concen: 42.422 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

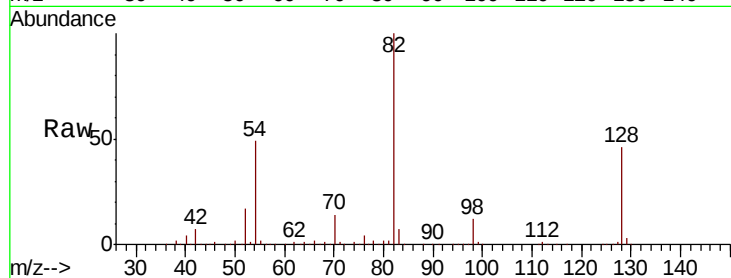
Tot Ion: 82 Resp: 766418

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

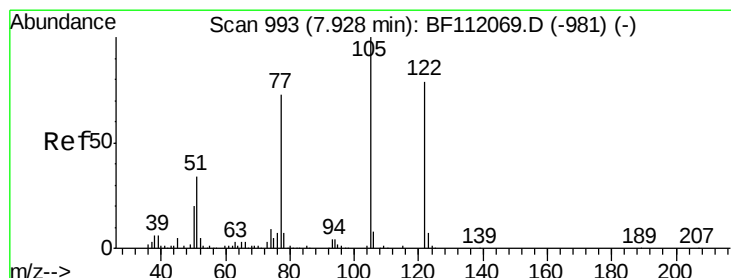
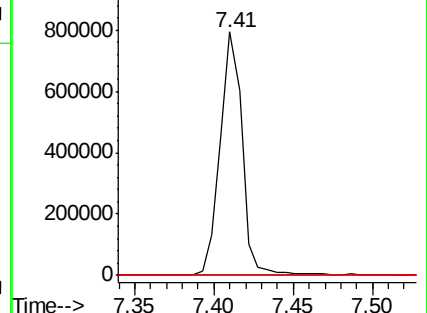
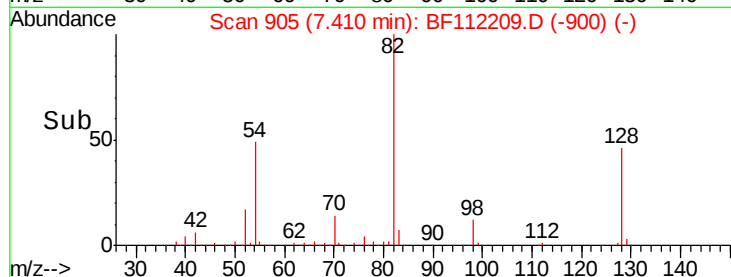
138 0.0 15.4 23.0#



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



#32

Benzoic acid

Concen: 7.201 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

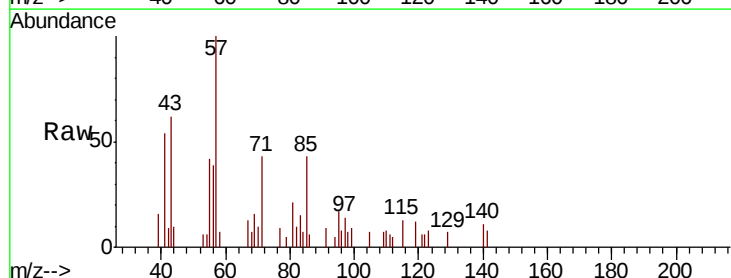
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

122 100

105 119.4 101.2 141.2

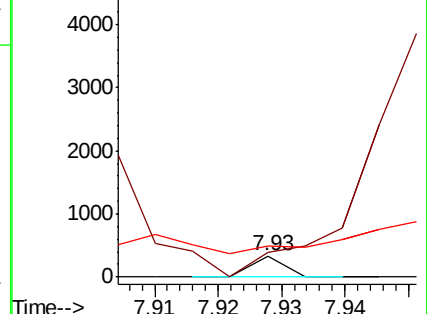
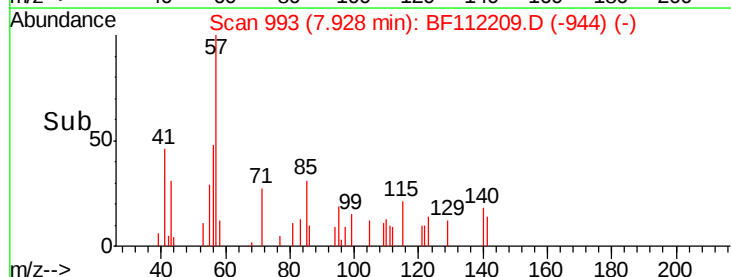
77 149.3 70.4 110.4#

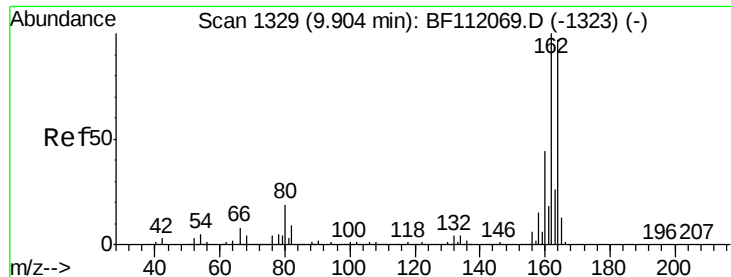


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

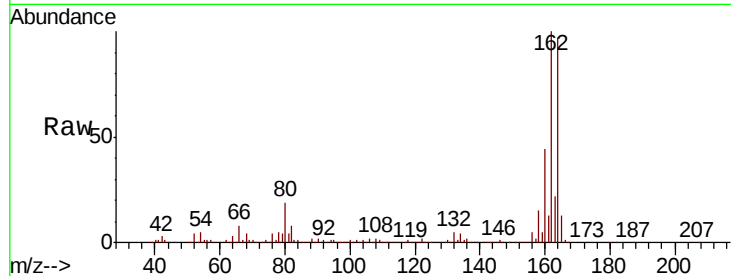




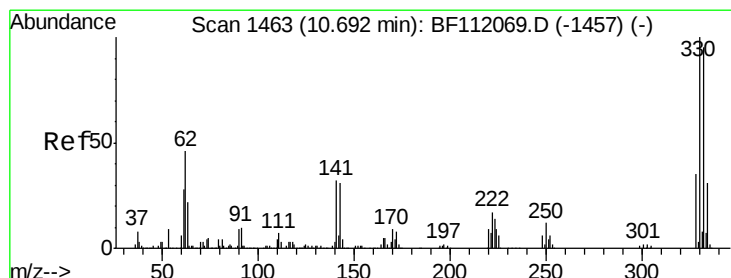
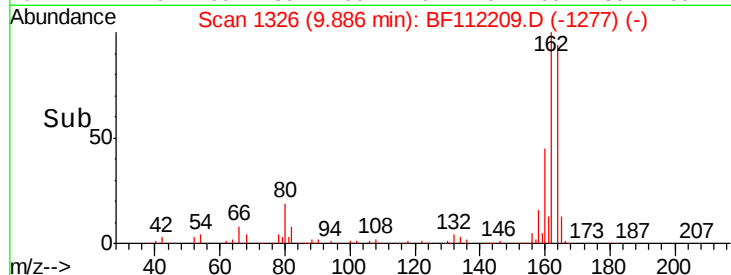
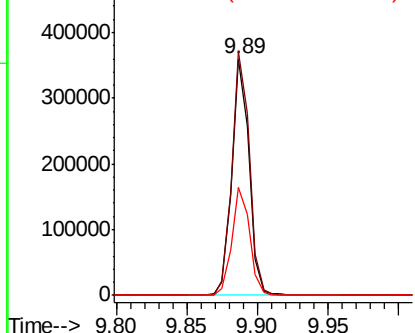
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 305020
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.2 123.4
 160 45.6 36.2 54.4

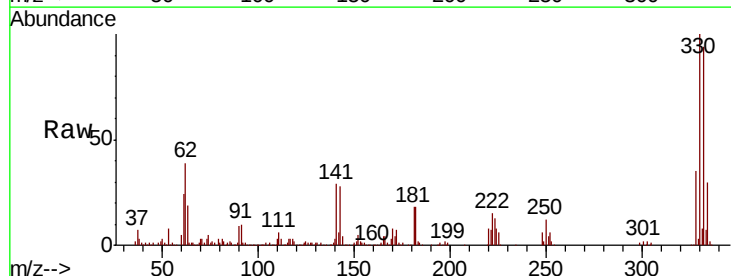


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

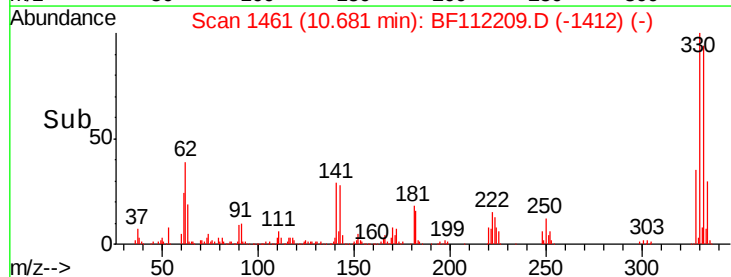
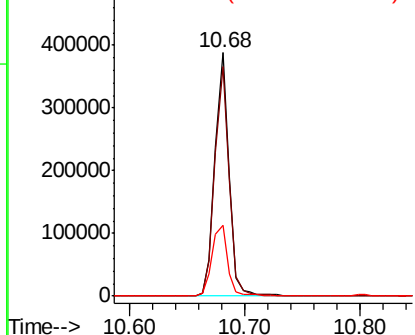


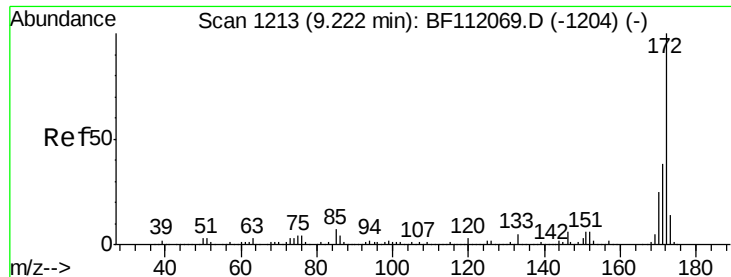
#42
 2,4,6-Tribromophenol
 Concen: 100.993 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion:330 Resp: 332316
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 31.5 24.3 36.5



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



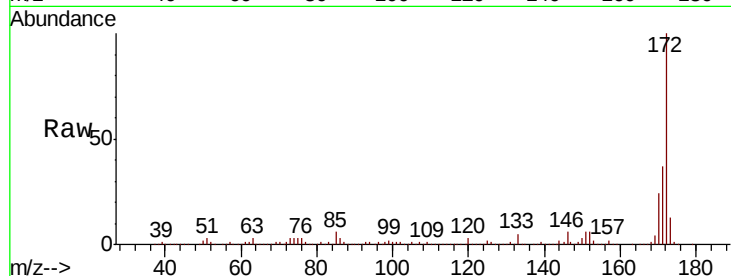


#45
 2-Fluorobiphenyl
 Concen: 69.219 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

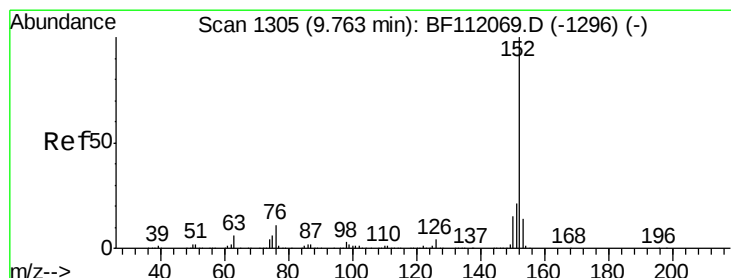
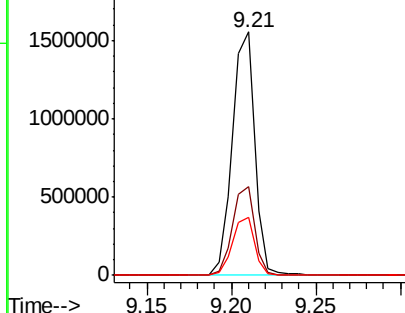
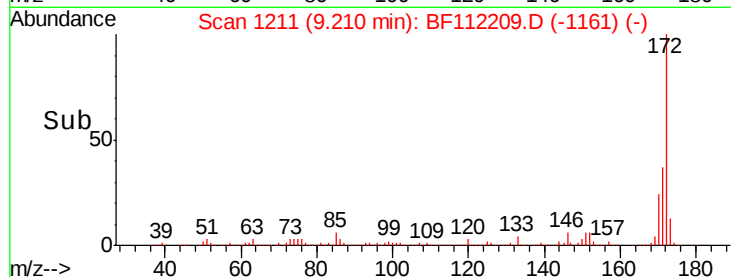
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1440075

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.5	45.7
170	24.0	20.2	30.4



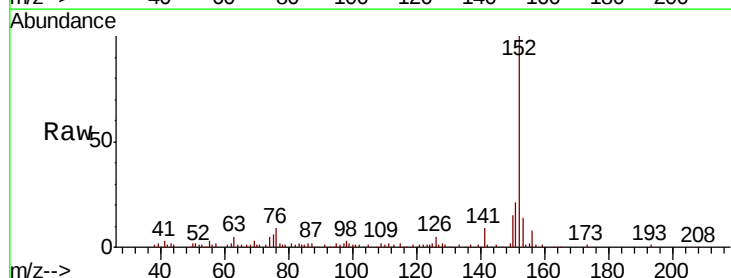
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



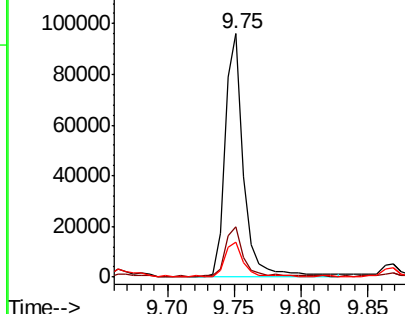
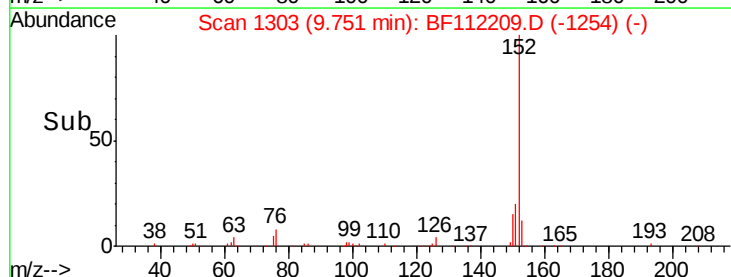
#49
 Acenaphthylene
 Concen: 3.252 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

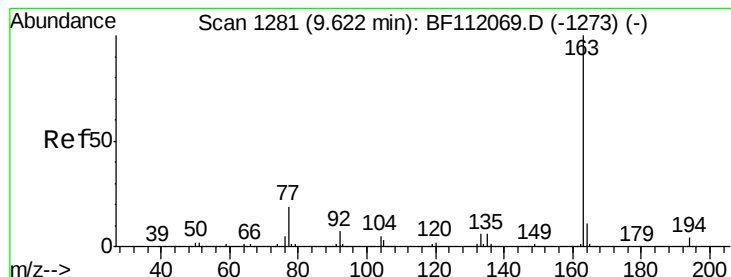
Tgt Ion:152 Resp: 94729

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.0	25.6
153	14.2	11.2	16.8



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 4.814 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

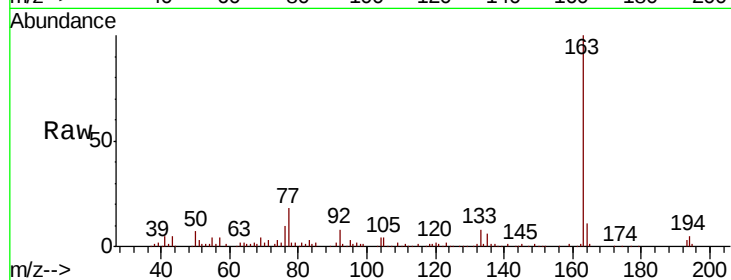
Tot Ion:163 Resp: 107083

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

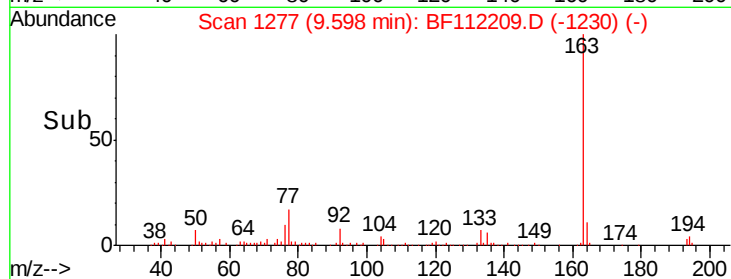
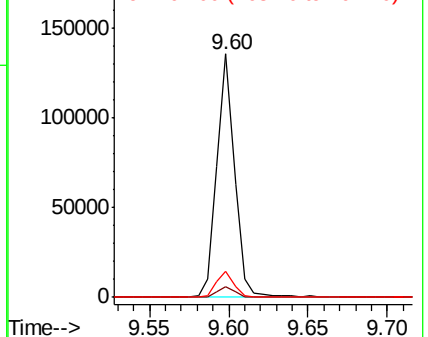
164 10.5 8.5 12.7



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



#52

Acenaphthene

Concen: 6.523 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

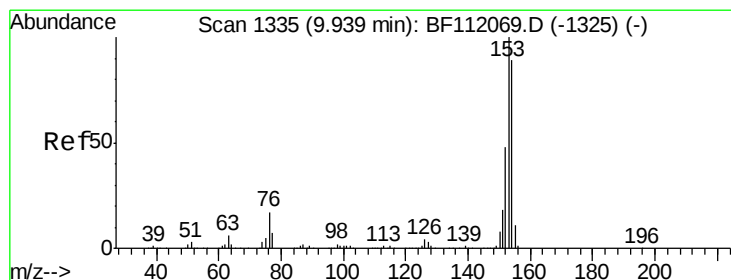
Tgt Ion:154 Resp: 116276

Ion Ratio Lower Upper

154 100

153 113.8 89.8 134.6

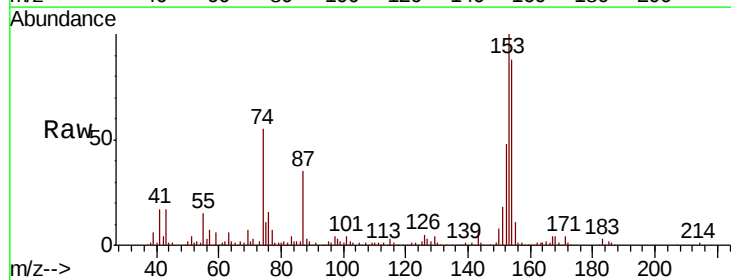
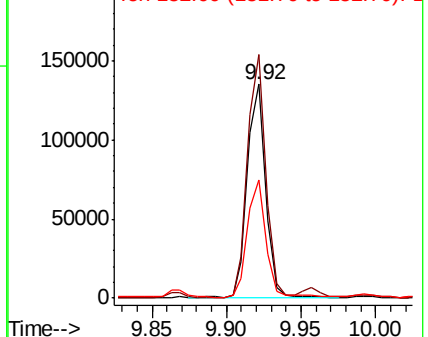
152 55.0 43.5 65.3

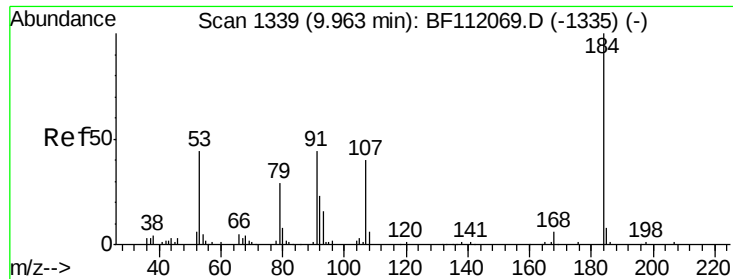


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 9.271 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.04 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

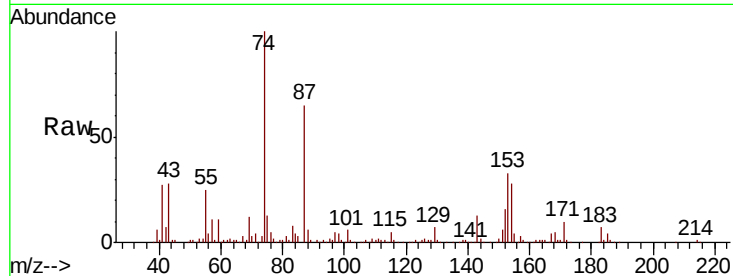
Tot Ion:184 Resp: 1323

Ion Ratio Lower Upper

184 100

63 224.2 47.1 70.7#

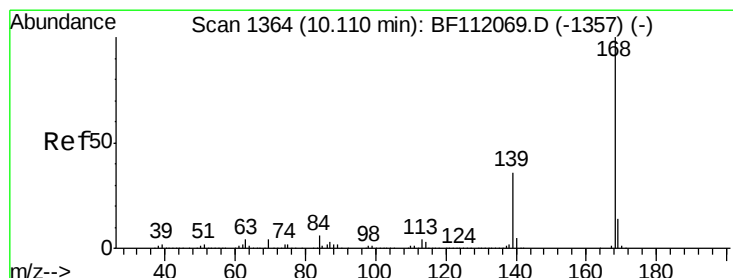
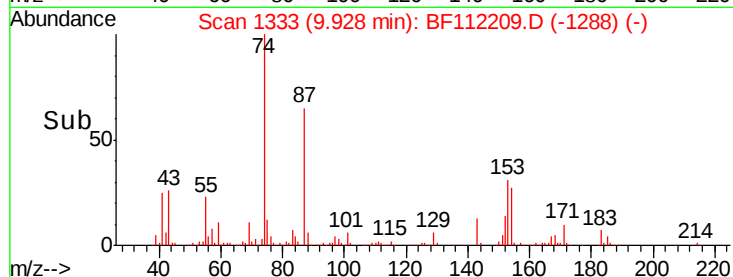
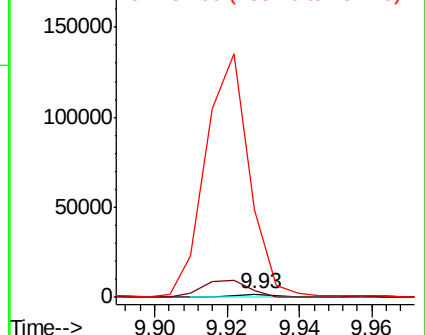
154 2832.0 48.9 73.3#



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



#55

Dibenzofuran

Concen: 7.920 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

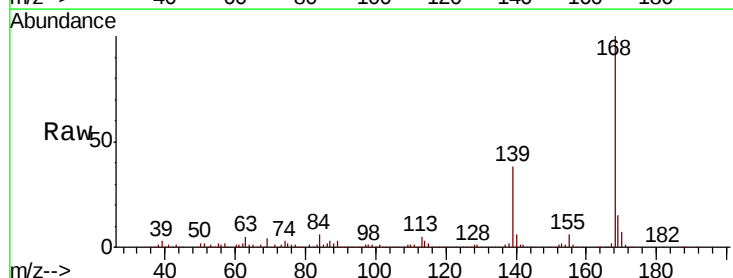
Tgt Ion:168 Resp: 213489

Ion Ratio Lower Upper

168 100

139 37.9 29.2 43.8

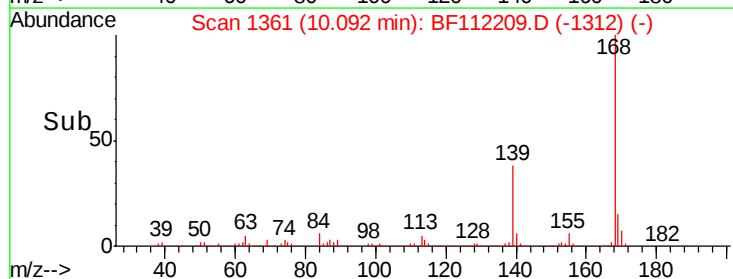
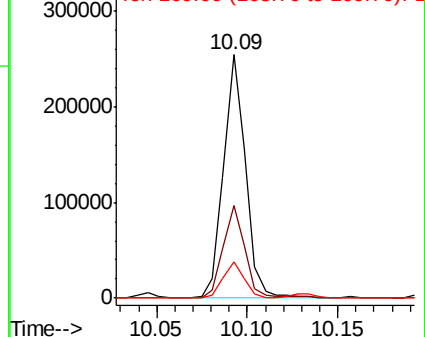
169 14.6 11.4 17.0

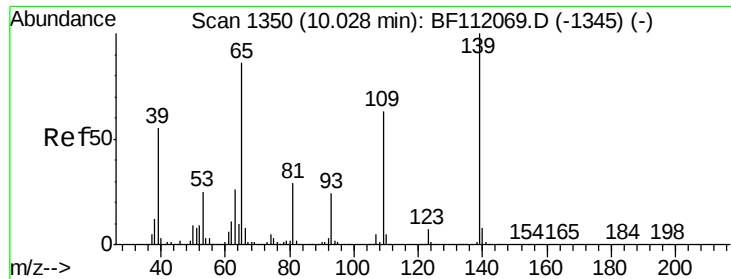


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 26.817 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.06 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

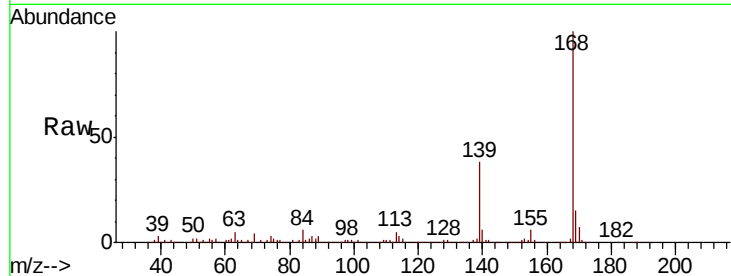
Tot Ion:139 Resp: 80851

Ion Ratio Lower Upper

139 100

109 1.9 42.8 82.8#

65 1.6 66.1 106.1#

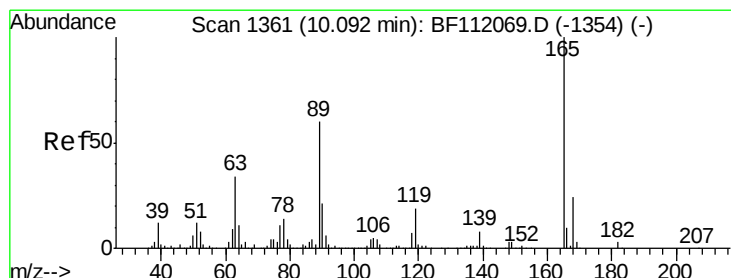
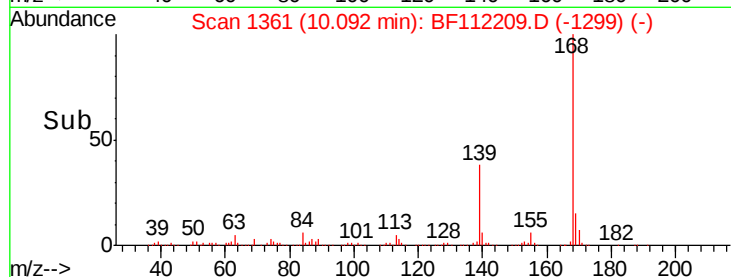
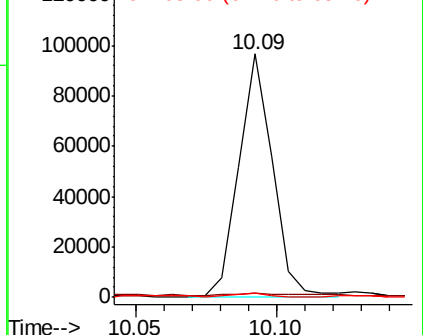


Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 4.827 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Tgt Ion:165 Resp: 1549

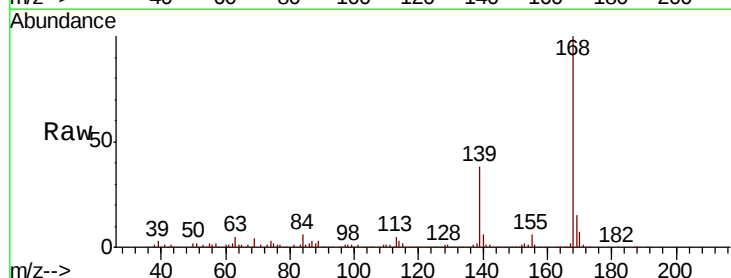
Ion Ratio Lower Upper

165 100

63 1030.9 27.9 41.9#

89 567.5 47.9 71.9#

182 29.8 2.2 3.4#



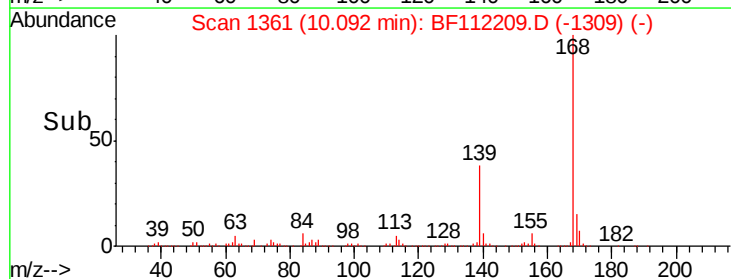
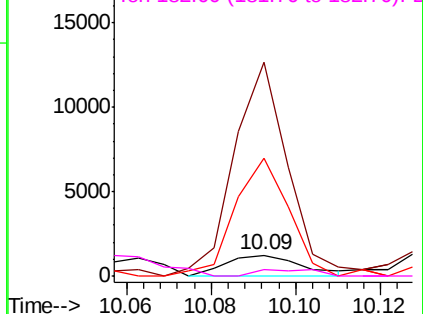
Abundance

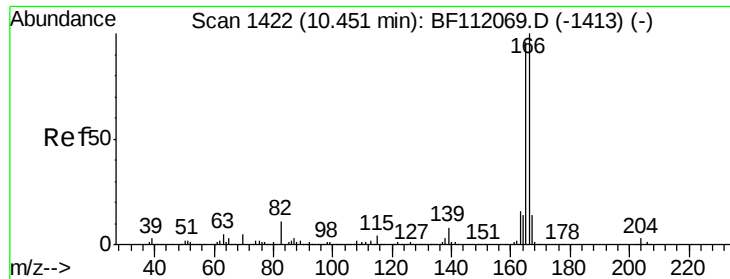
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 16.712 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

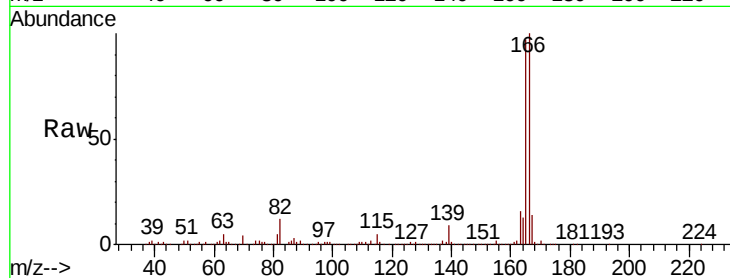
Tot Ion:166 Resp: 336588

Ion Ratio Lower Upper

166 100

165 97.4 77.1 115.7

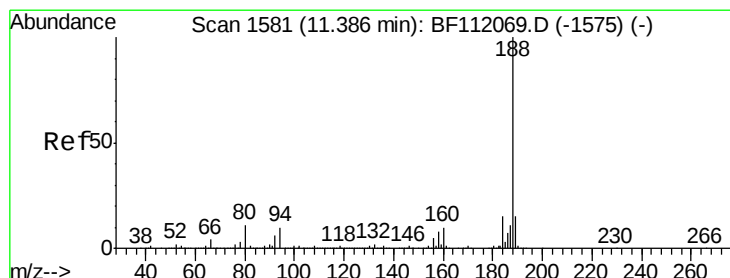
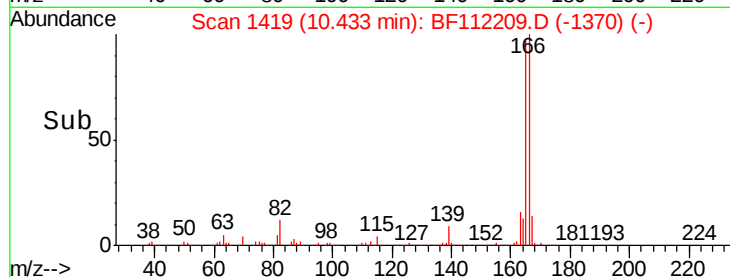
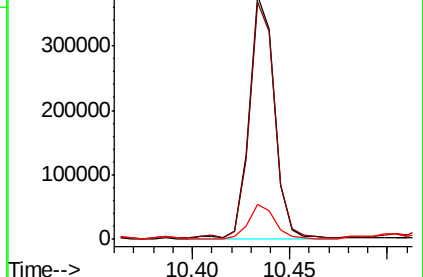
167 14.3 11.3 16.9



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: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

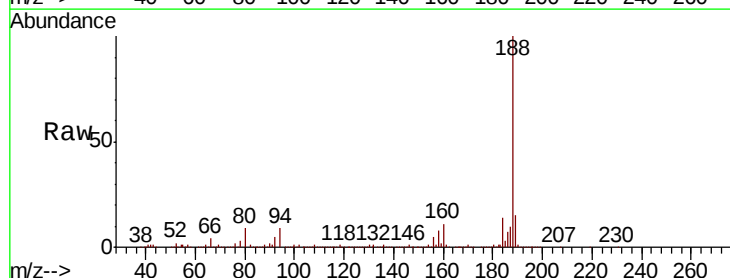
Tgt Ion:188 Resp: 495797

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

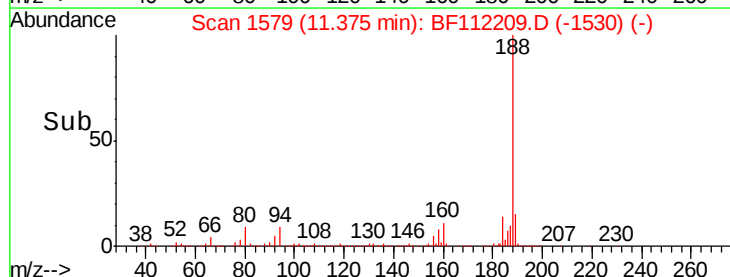
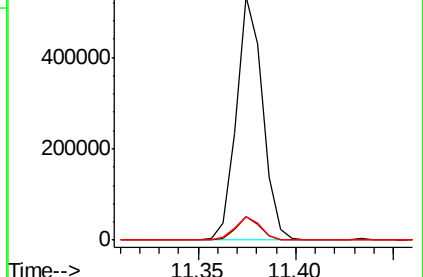
80 9.4 8.9 13.3

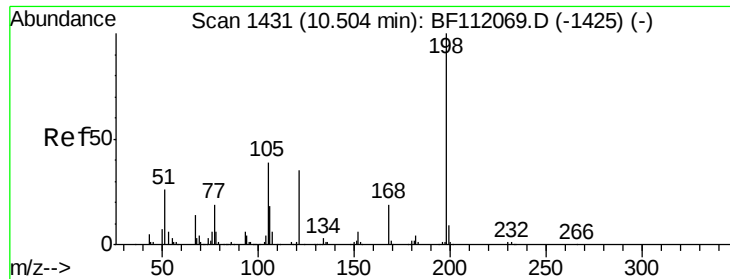


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.305 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.17 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

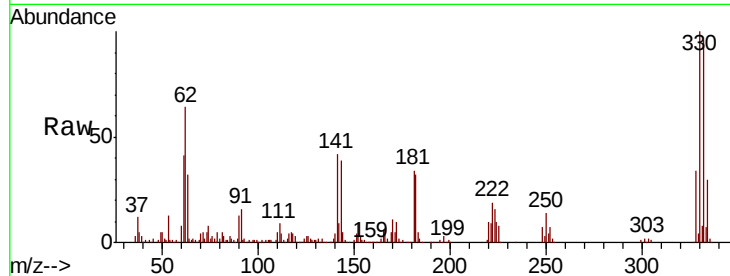
Tot Ion:198 Resp: 616

Ion Ratio Lower Upper

198 100

51 496.8 17.2 57.2#

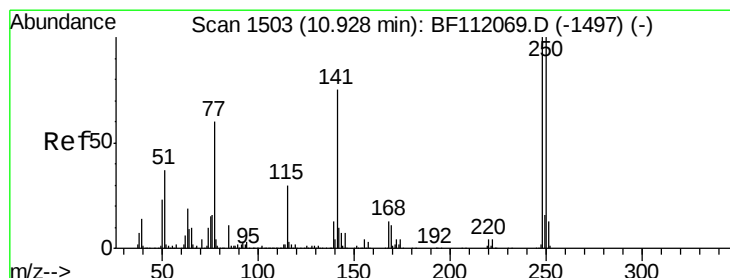
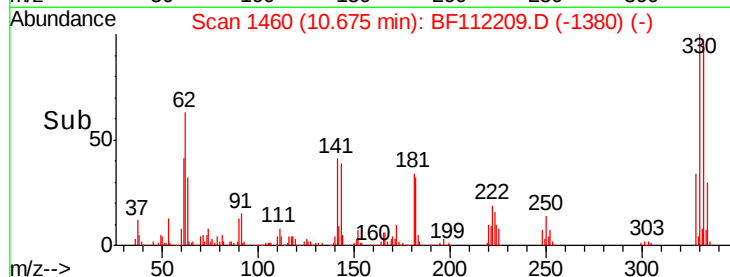
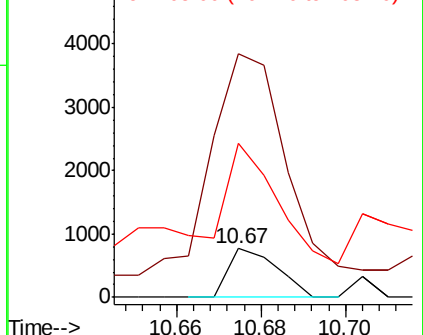
105 314.6 21.9 61.9#



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



#67

4-Bromophenyl-phenylether

Concen: 3.518 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

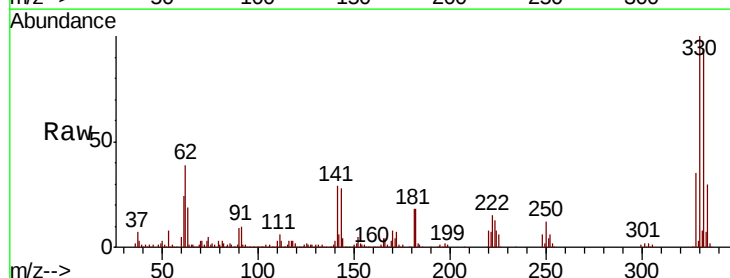
Tgt Ion:248 Resp: 20260

Ion Ratio Lower Upper

248 100

250 203.7 79.7 119.5#

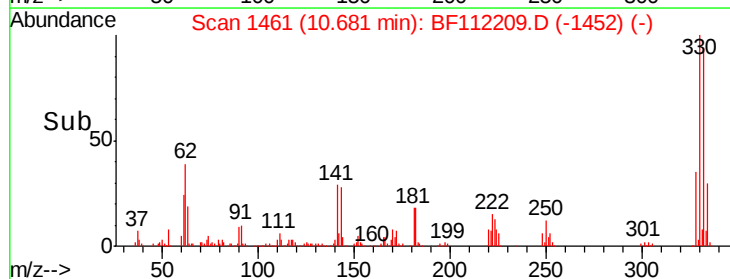
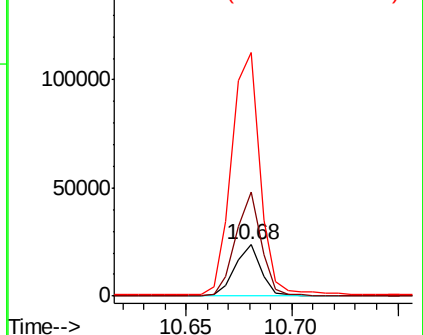
141 474.0 60.3 90.5#

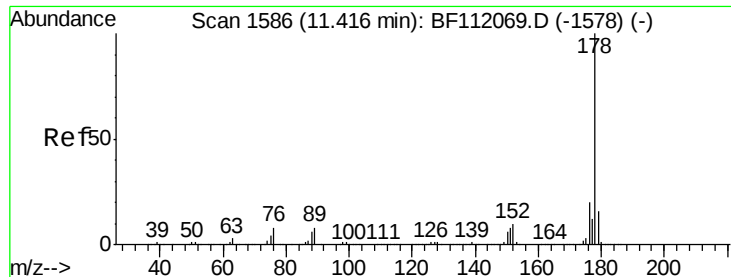


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

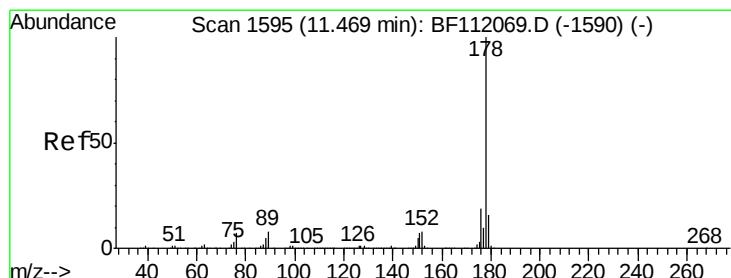
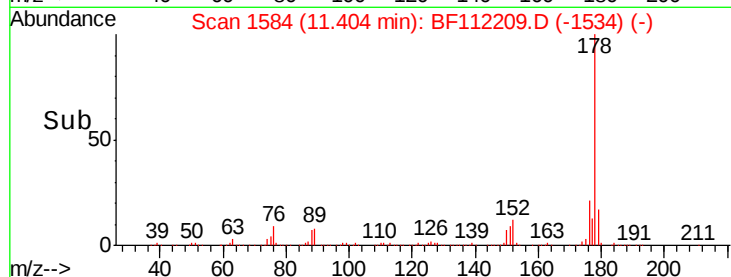
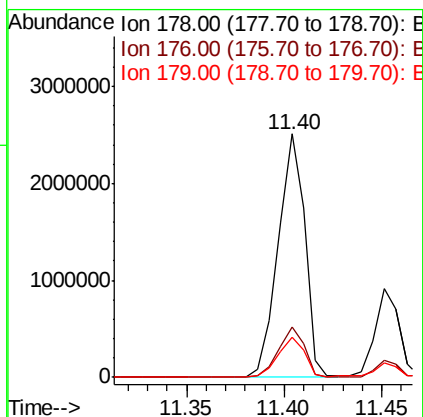
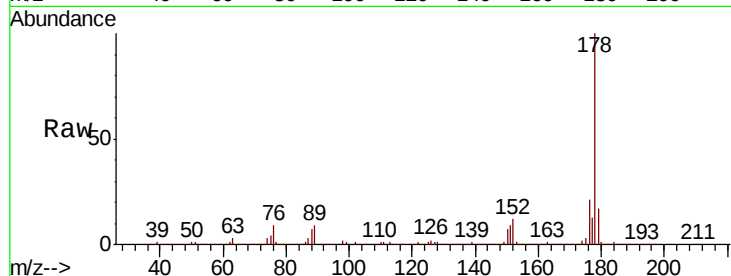




#71
Phenanthrene
Concen: 95.596 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

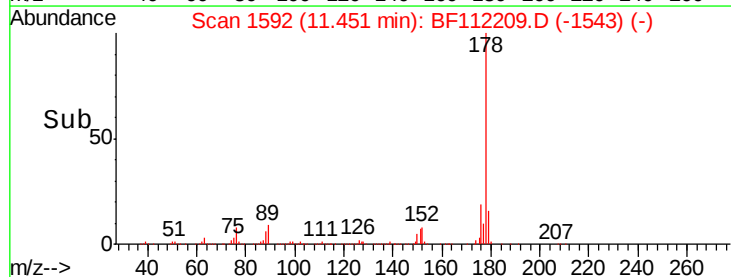
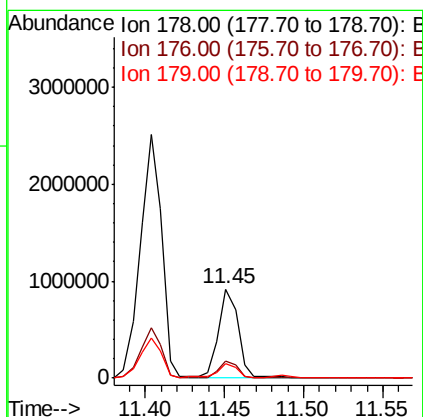
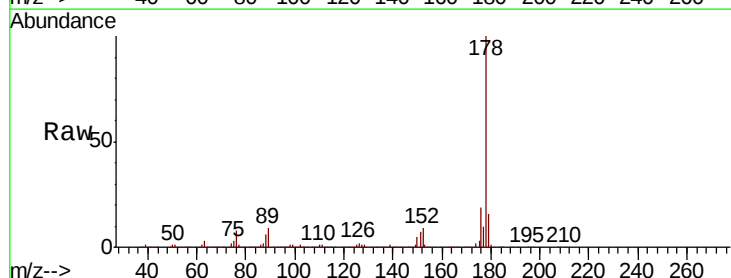
Instrument :
BNA_F
ClientSampleId :

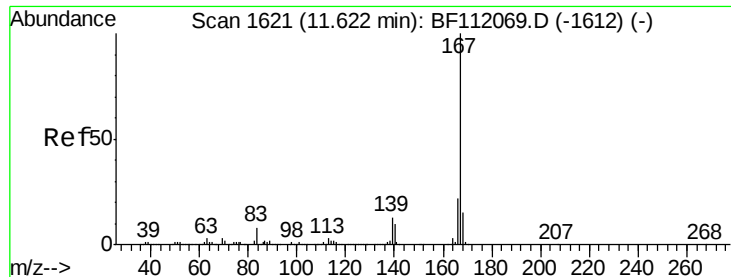
Tot Ion:178 Resp: 2385255
Ion Ratio Lower Upper
178 100
176 20.8 16.3 24.5
179 16.6 13.0 19.4



#72
Anthracene
Concen: 31.489 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:178 Resp: 795904
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.7 12.8 19.2

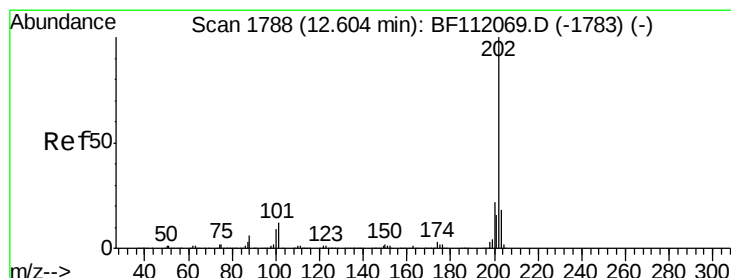
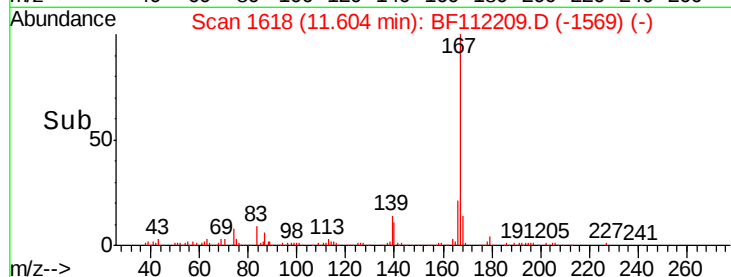
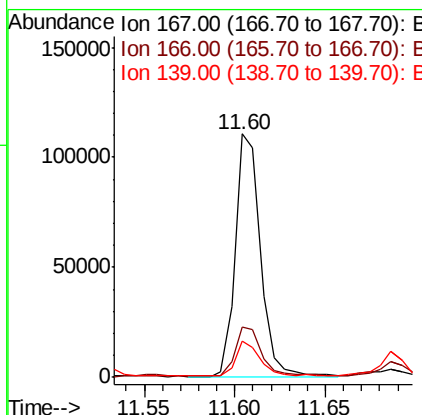
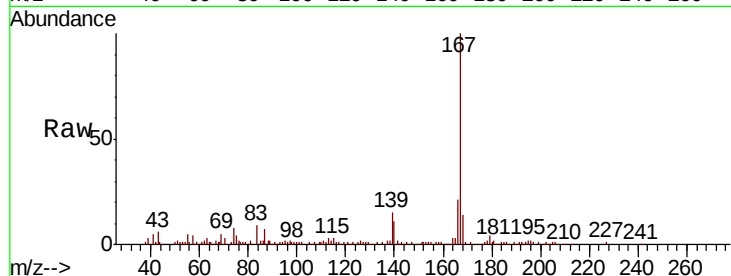




#73
 Carbazole
 Concen: 4.211 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

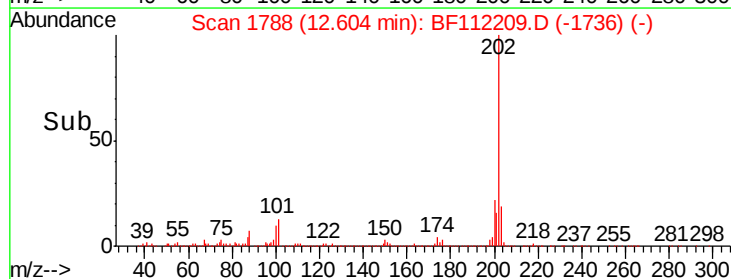
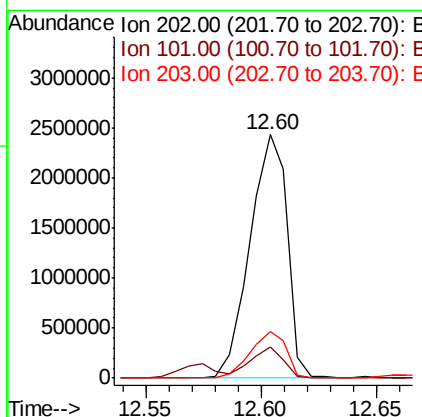
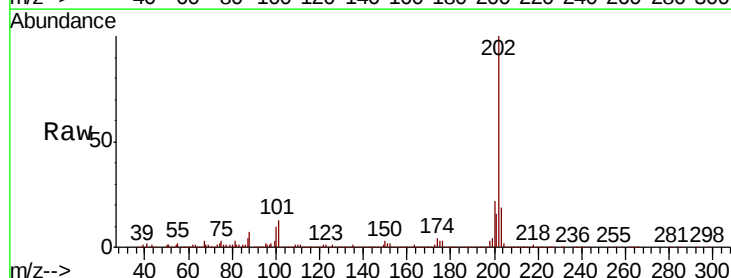
Instrument :
 BNA_F
 ClientSampled :

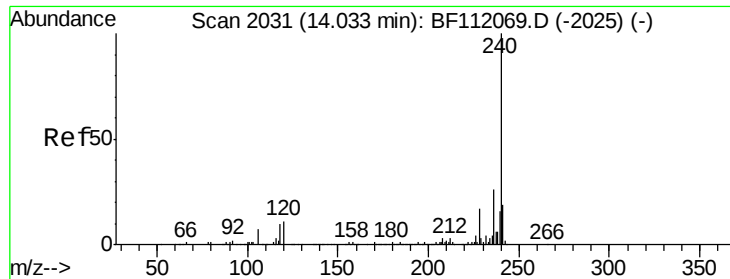
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.9	26.9
139	14.7	10.2	15.2



#75
 Fluoranthene
 Concen: 103.950 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.01 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.8
203	19.1	0.0	38.4

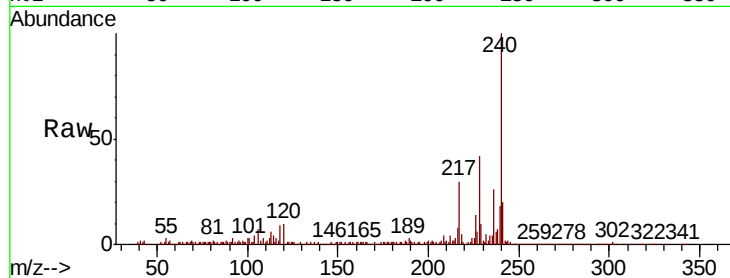




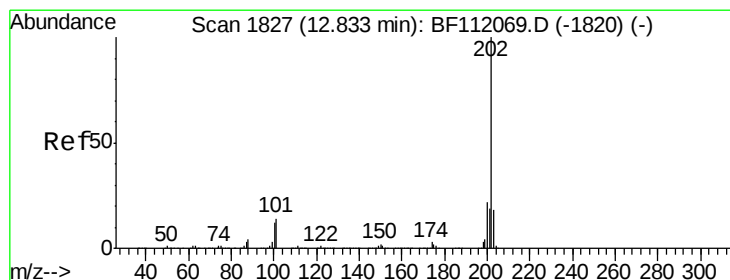
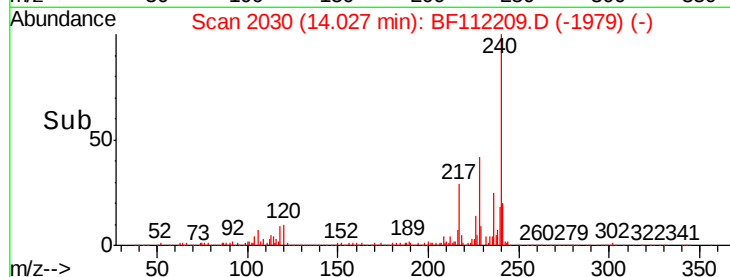
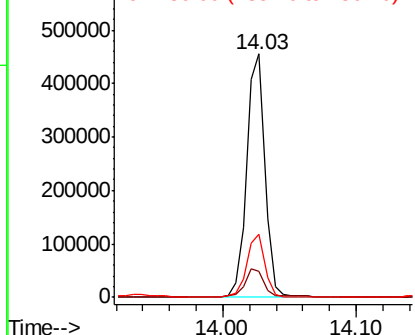
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 423016
Ion Ratio Lower Upper
240 100
120 10.5 9.0 13.6
236 25.7 20.7 31.1

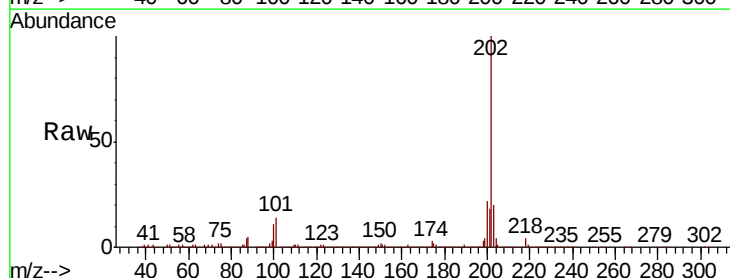


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

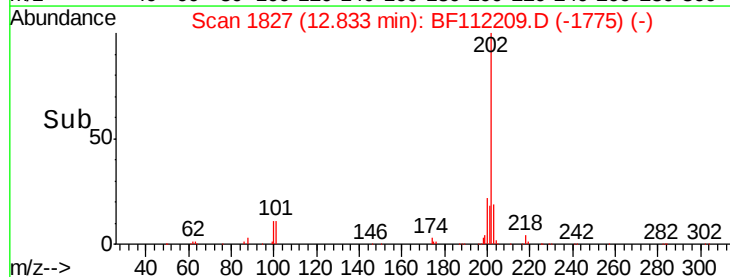
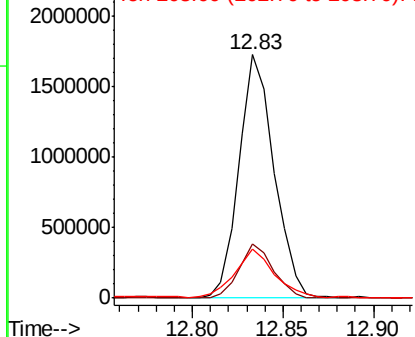


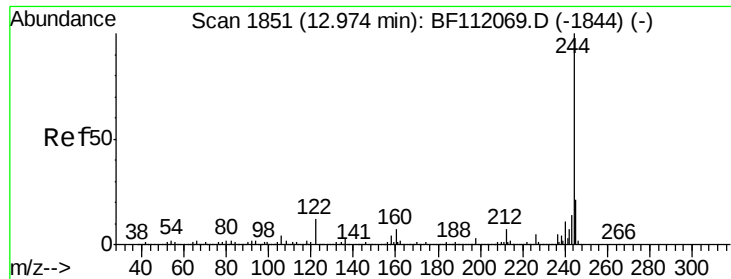
#78
Pyrene
Concen: 82.968 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:202 Resp: 2315551
Ion Ratio Lower Upper
202 100
200 22.3 17.7 26.5
203 20.0 14.6 22.0



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



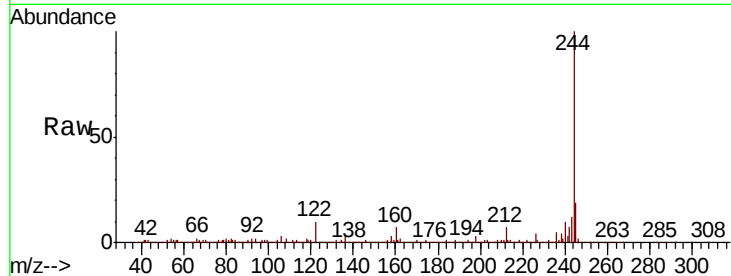


#79
 Terphenyl-d14
 Concen: 53.970 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

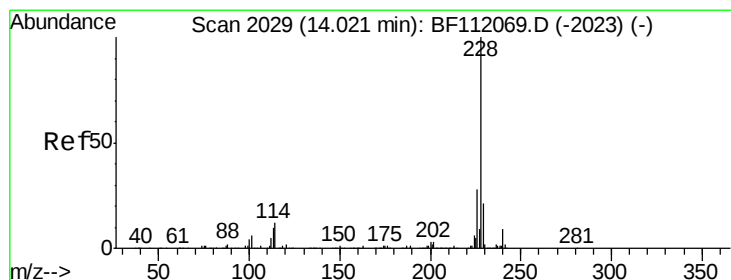
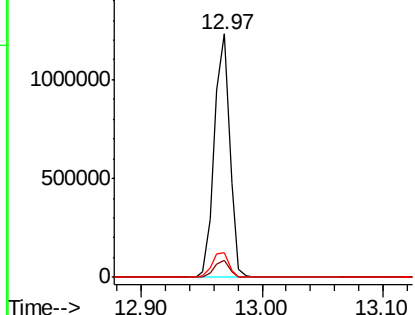
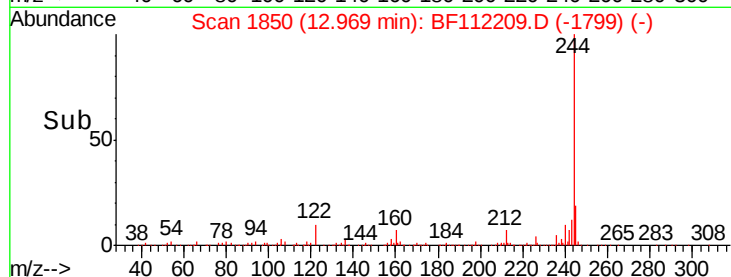
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1073163

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.3	9.8	14.6



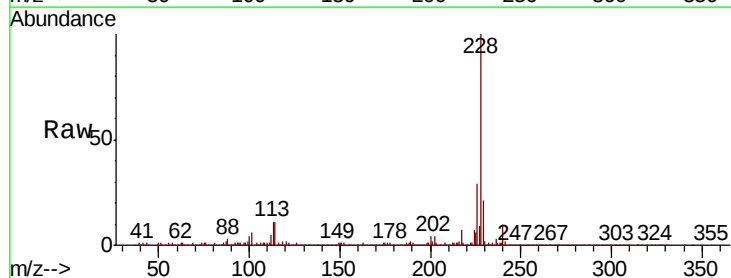
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



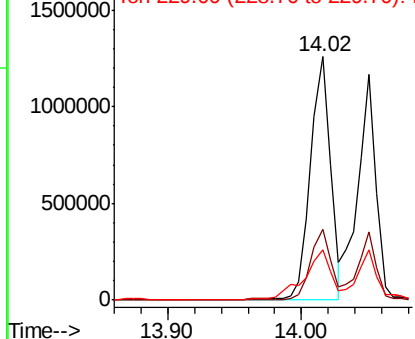
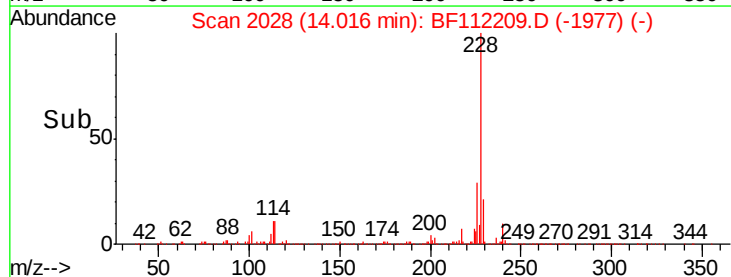
#81
 Benzo(a)anthracene
 Concen: 53.180 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF112209.D
 Acq: 24 Jan 2019 15:24

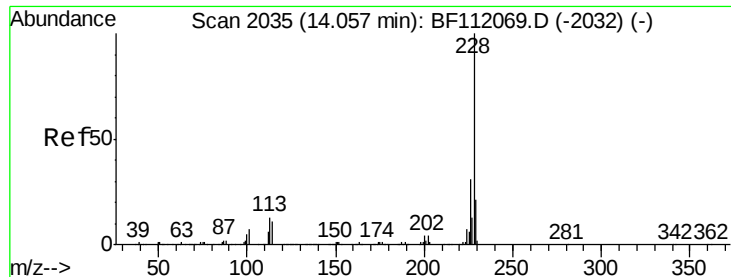
Tgt Ion:228 Resp: 1289845

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	34.0
229	20.9	16.5	24.7



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

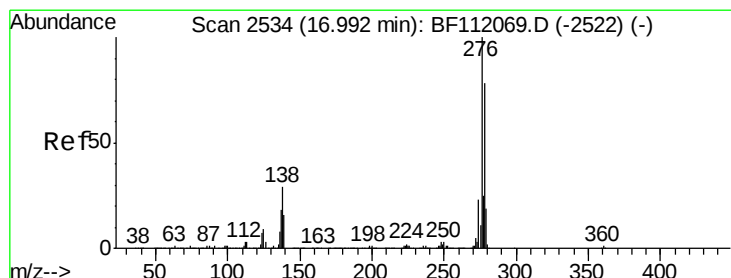
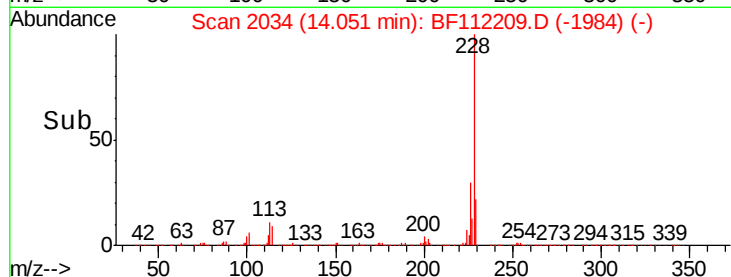
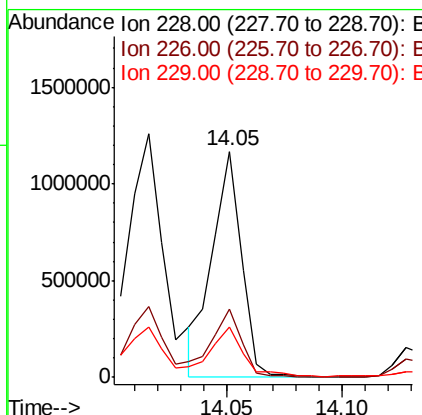
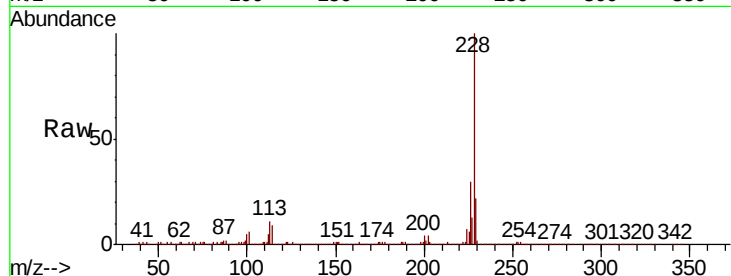




#83
Chrysene
Concen: 44.650 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

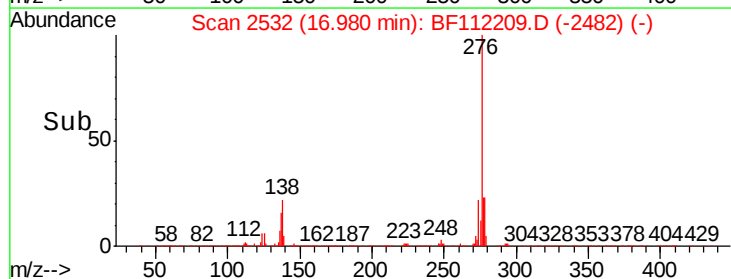
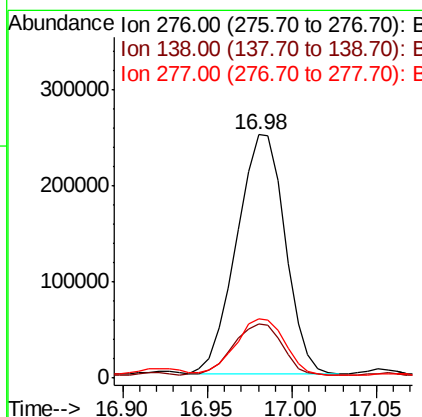
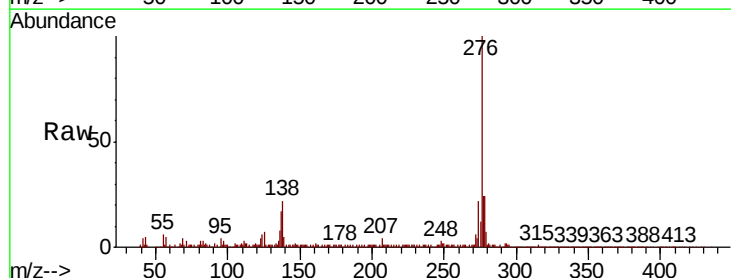
Instrument :
BNA_F
ClientSampleId :

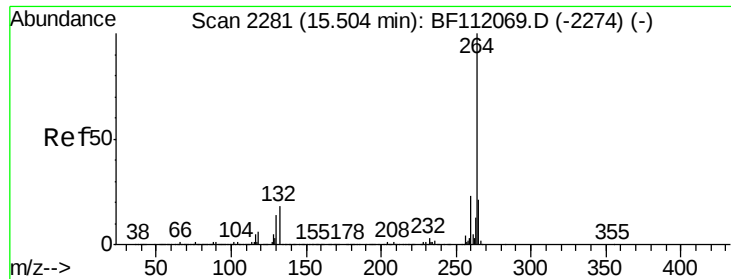
Tot Ion:228 Resp: 1024730
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 22.2 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 23.433 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:276 Resp: 496159
Ion Ratio Lower Upper
276 100
138 22.6 22.6 34.0#
277 24.4 20.3 30.5

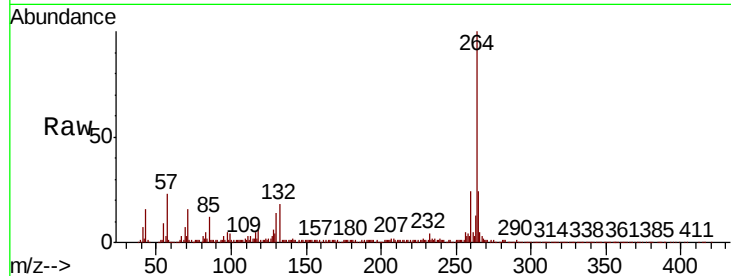




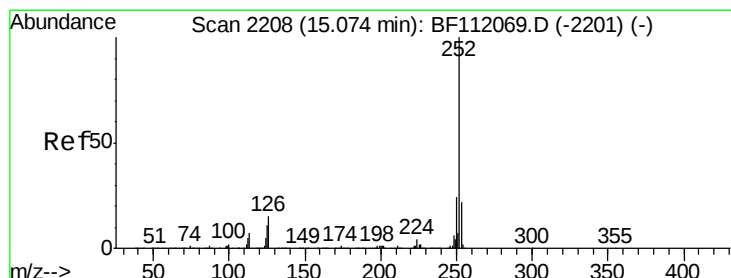
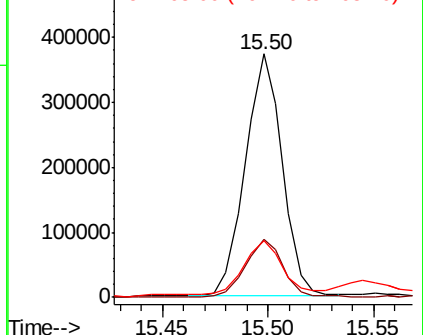
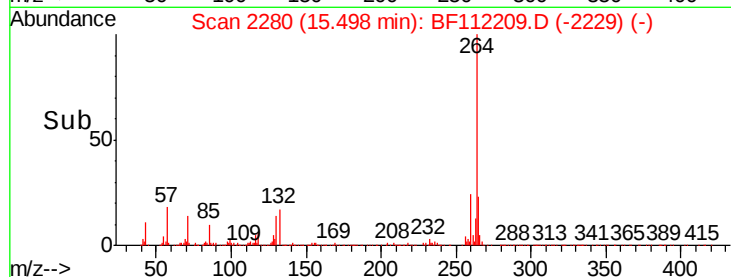
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 451056
Ion Ratio Lower Upper
264 100
260 24.1 18.2 27.2
265 23.6 17.0 25.4

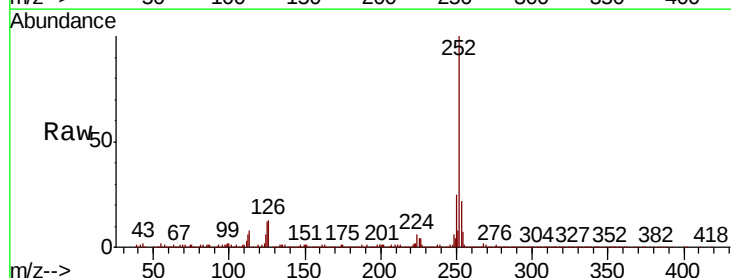


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

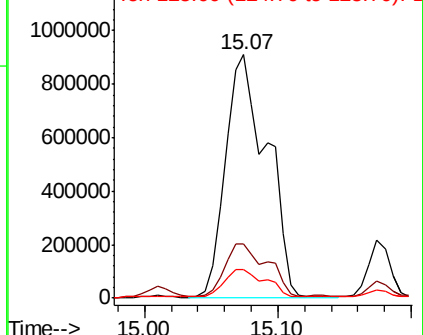
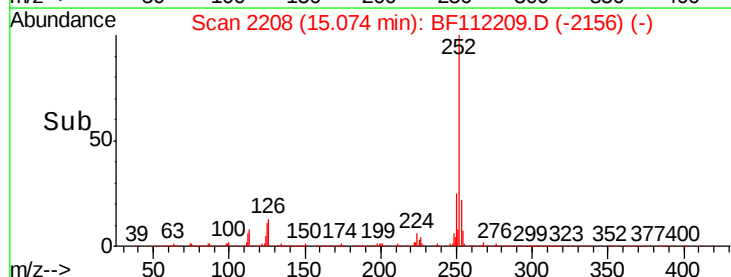


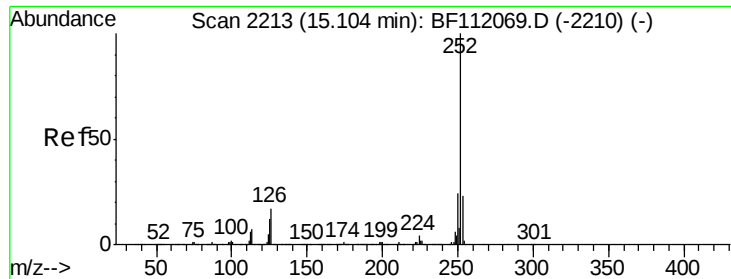
#88
Benzo(b)fluoranthene
Concen: 76.598 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:252 Resp: 1961189
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 11.6 8.7 13.1



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

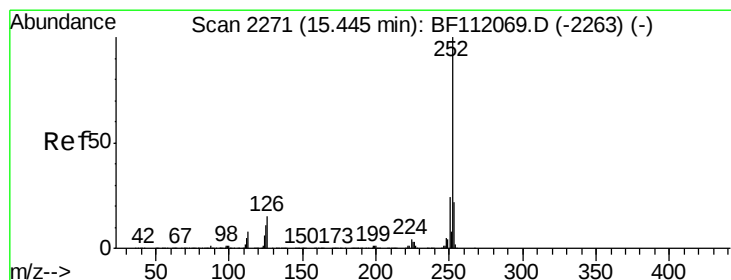
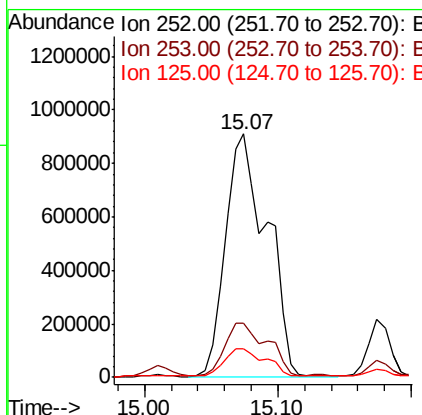
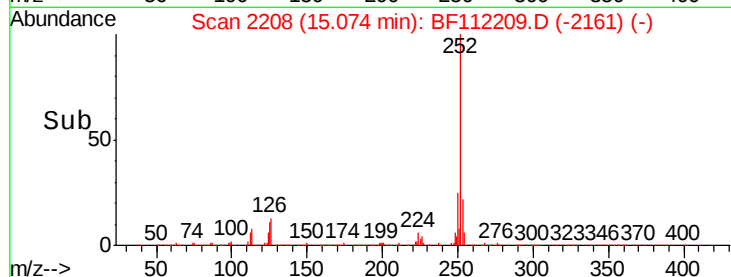
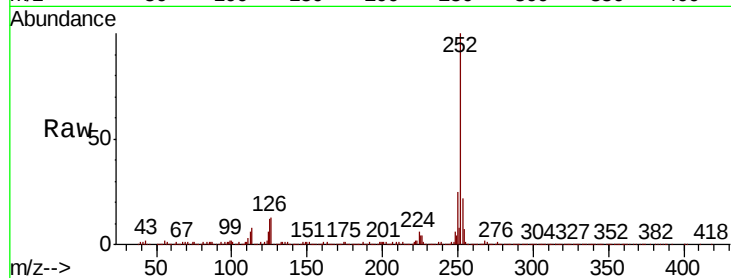




#89
Benzo(k)fluoranthene
Concen: 79.140 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

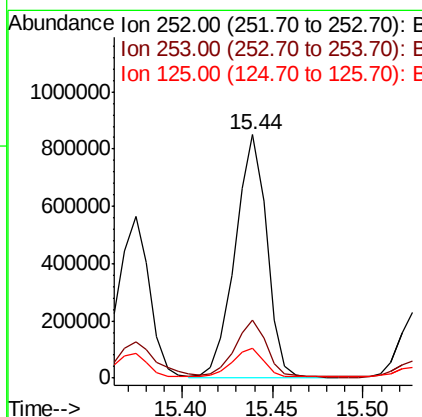
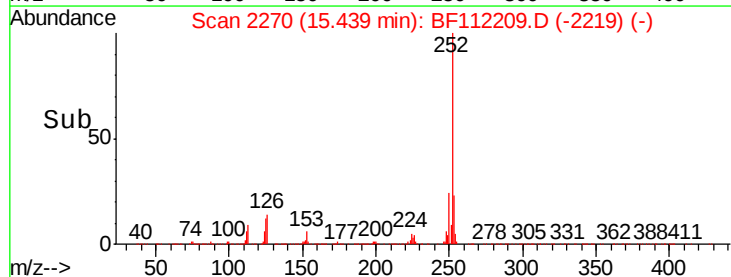
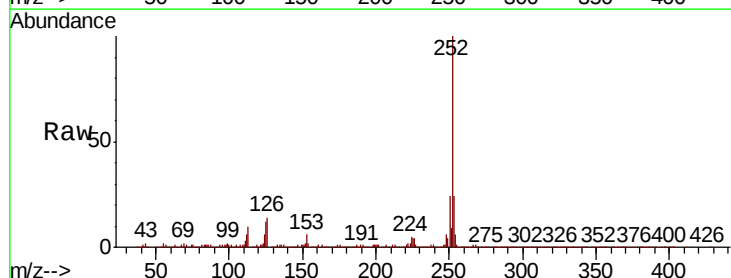
Instrument :
BNA_F
ClientSampleId :

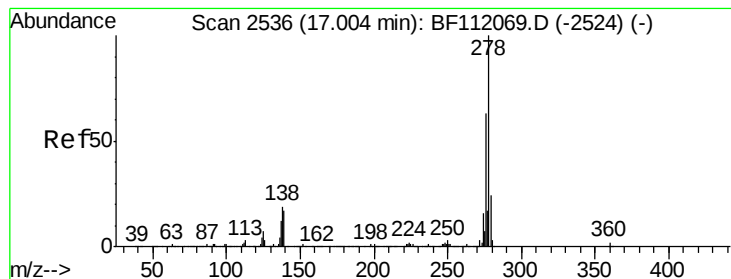
Tot Ion:252 Resp: 1961189
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 11.6 9.1 13.7



#90
Benzo(a)pyrene
Concen: 43.827 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF112209.D
Acq: 24 Jan 2019 15:24

Tgt Ion:252 Resp: 1029088
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.1 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 4.048 ng

RT: 16.79 min Scan# 2499

Delta R.T. -0.21 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

Instrument :

BNA_F

ClientSampleId :

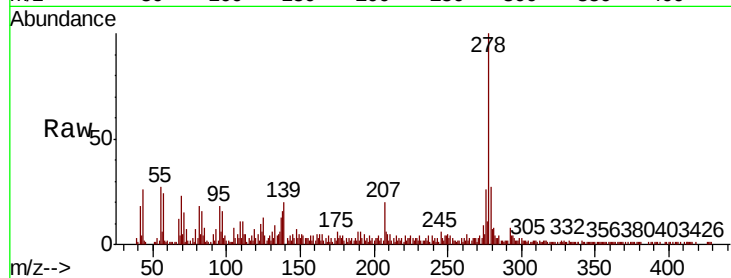
Tot Ion:278 Resp: 84412

Ion Ratio Lower Upper

278 100

139 20.5 13.7 20.5

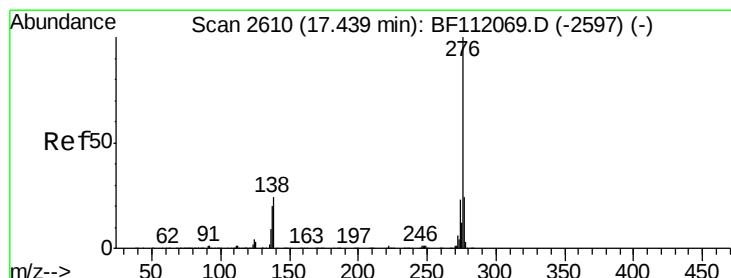
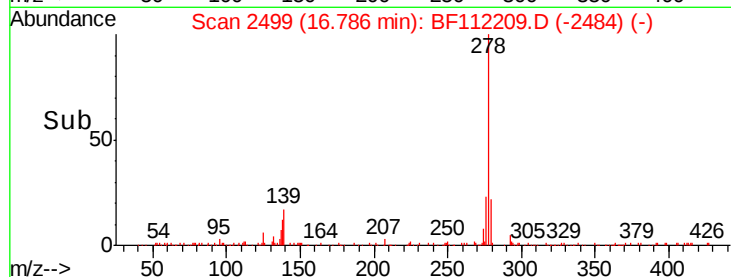
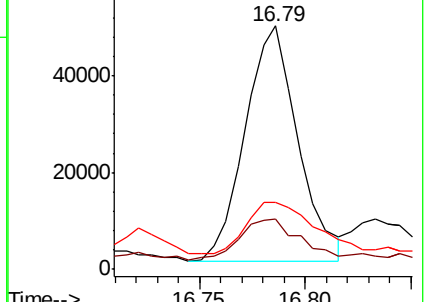
279 27.4 19.0 28.6



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: 20.292 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.01 min

Lab File: BF112209.D

Acq: 24 Jan 2019 15:24

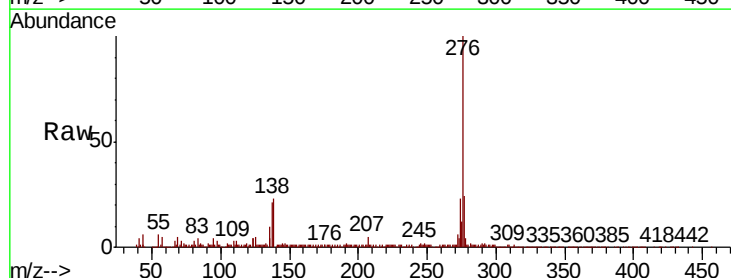
Tgt Ion:276 Resp: 416911

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 22.7 19.1 28.7



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

