

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
 Data File : BF108307.D
 Acq On : 20 Aug 2018 23:00
 Operator : JU/SJ
 Sample : J4539-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MS-RO-27186

Quant Time: Aug 21 00:55:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	149766	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	510740	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	191974	20.00	ng	0.00
63) Phenanthrene-d10	11.58	188	270262	20.00	ng	0.02
75) Chrysene-d12	14.24	240	199977	20.00	ng	0.02
86) Perylene-d12	15.81	264	178840	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	912004	110.25	ng	0.02
7) Phenol-d6	6.64	99	1195137	108.72	ng	0.01
23) Nitrobenzene-d5	7.58	82	717172	78.36	ng	0.00
41) 2,4,6-Tribromophenol	10.87	330	202675	105.84	ng	0.01
44) 2-Fluorobiphenyl	9.38	172	1097591	91.79	ng	0.00
78) Terphenyl-d14	13.17	244	773769	98.38	ng	0.02

Target Compounds

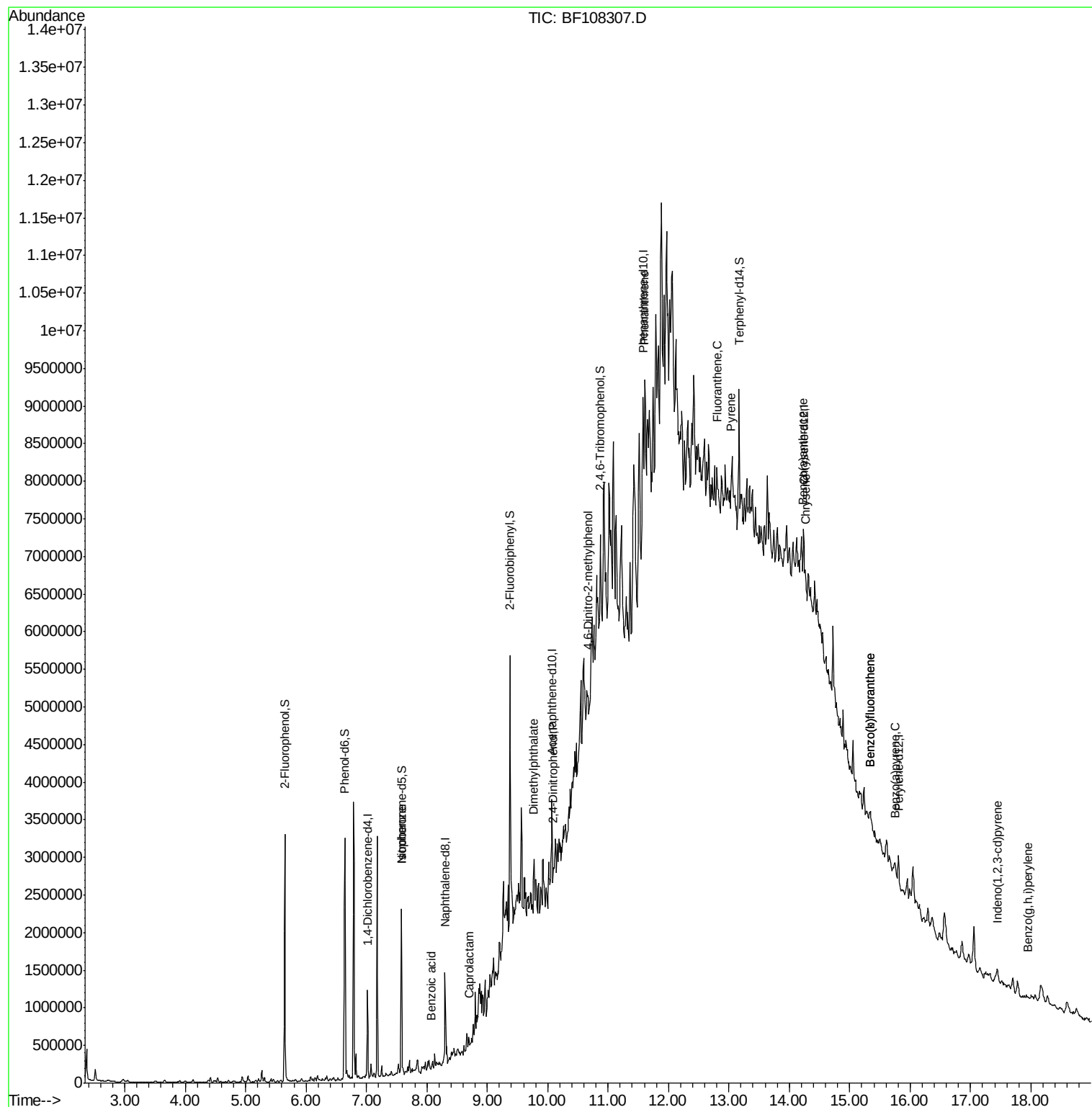
						Qvalue
25) Isophorone	7.58	82	713223	40.883	ng	# 64
32) Benzoic acid	8.07	122	215	6.016	ng	# 1
35) Caprolactam	8.71	113	6798	3.044	ng	# 1
49) Dimethylphthalate	9.77	163	76129	5.693	ng	# 97
53) 2,4-Dinitrophenol	10.10	184	1153	8.025	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.66	198	144	5.485	ng	# 1
70) Phenanthrene	11.60	178	76253	5.982	ng	# 79
74) Fluoranthene	12.81	202	137177	9.860	ng	# 1
77) Pyrene	13.04	202	117126	9.251	ng	# 35
80) Benzo(a)anthracene	14.22	228	57263	4.990	ng	# 88
82) Chrysene	14.27	228	52452	4.985	ng	# 86
85) Indeno(1,2,3-cd)pyrene	17.44	276	31062	3.407	ng	# 92
87) Benzo(b)fluoranthene	15.34	252	90659	8.484	ng	# 3
88) Benzo(k)fluoranthene	15.34	252	90659	9.229	ng	# 6
89) Benzo(a)pyrene	15.74	252	47009	4.912	ng	# 12
91) Benzo(g,h,i)perylene	17.94	276	29634	3.801	ng	# 87

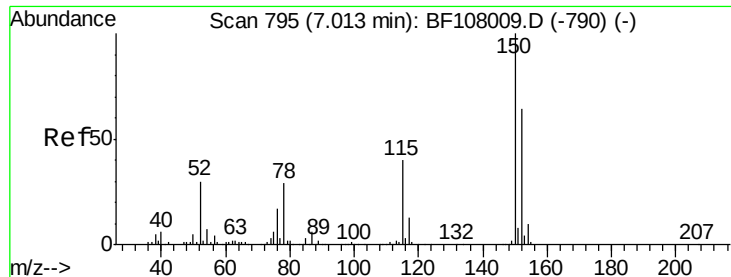
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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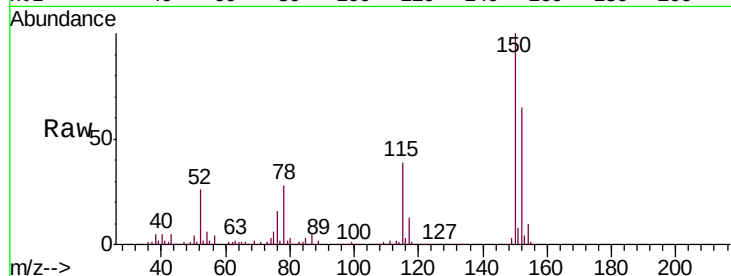


#1

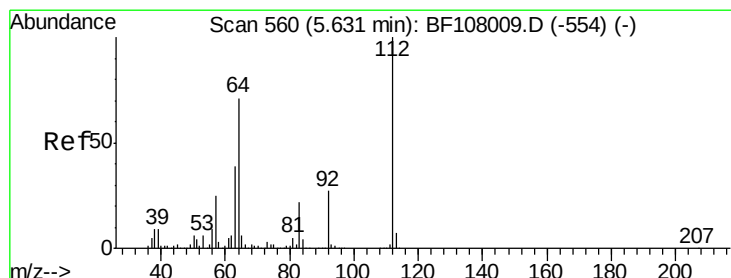
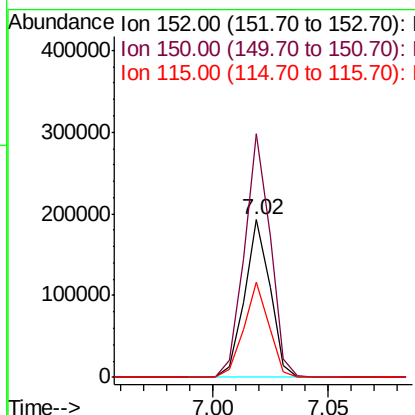
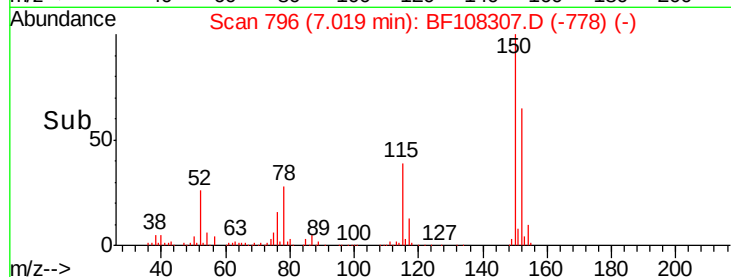
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Instrument :
BNA_F
ClientSampleId :
MS-RO-27186

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	60.5	50.1	75.1



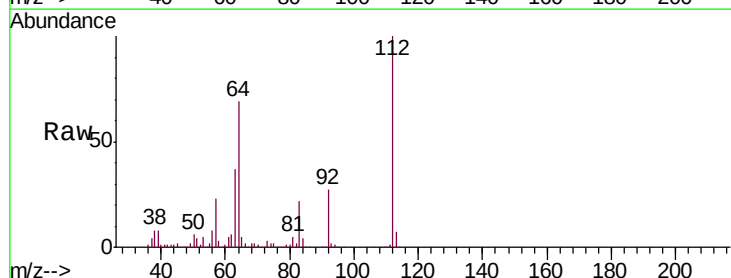
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



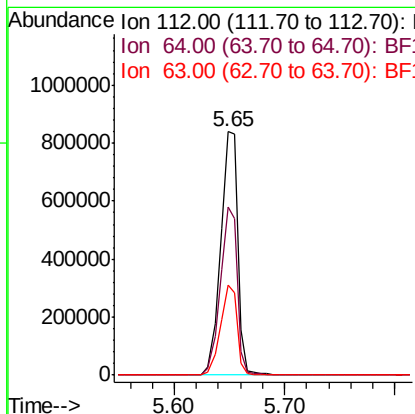
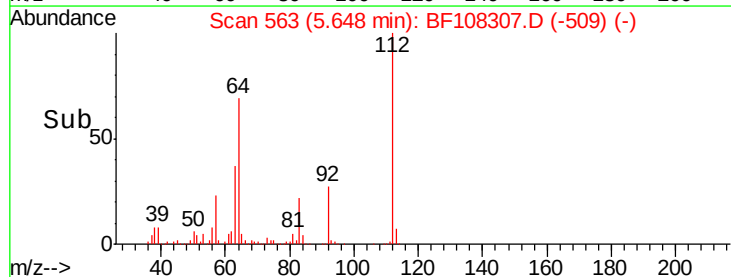
#5

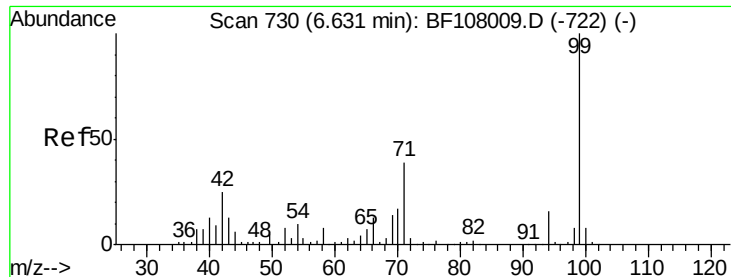
2-Fluorophenol
Concen: 110.248 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	37.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.720 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

BNA_F

ClientSampleId :

MS-RO-27186

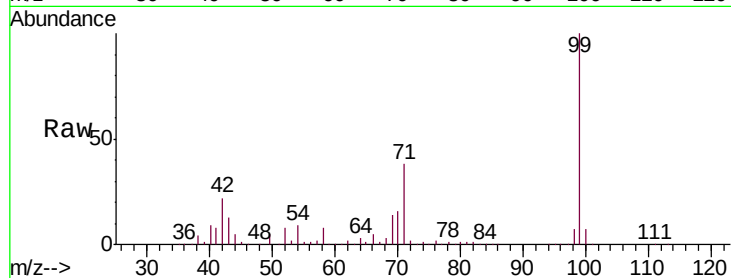
Tgt Ion: 99 Resp: 1195137

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

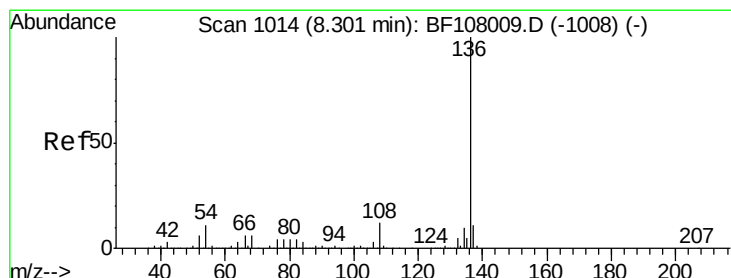
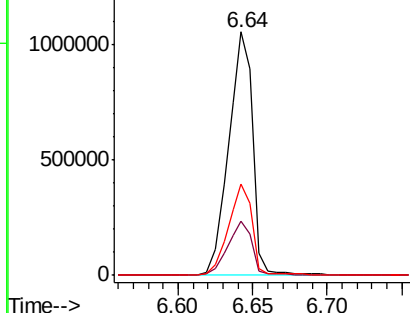
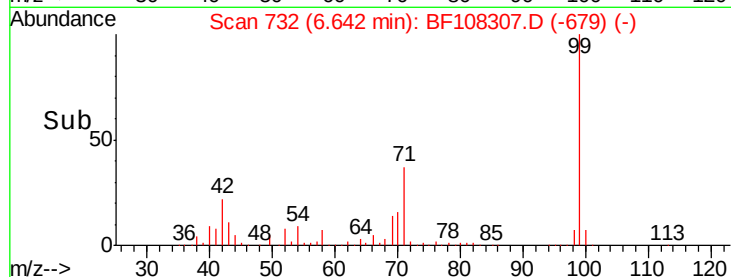
71 37.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Tgt Ion: 136 Resp: 510740

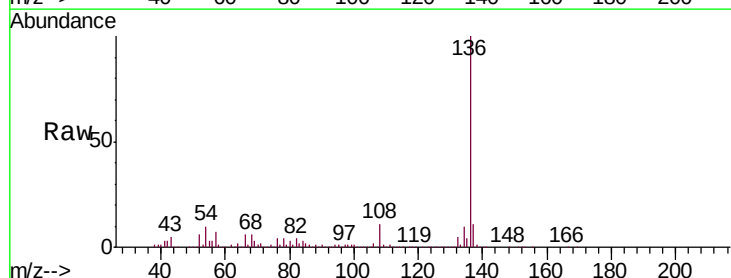
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 10.3 6.6 9.8#

68 6.3 5.0 7.4

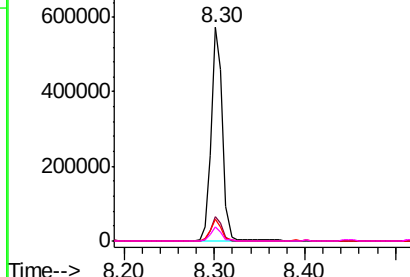
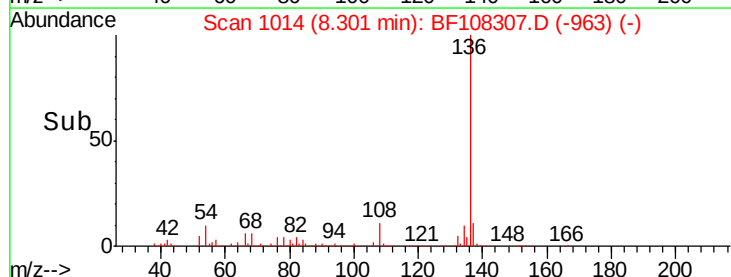


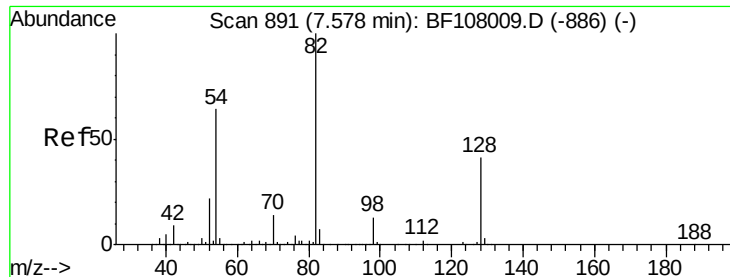
Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.355 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

BNA_F

ClientSampleId :

MS-RO-27186

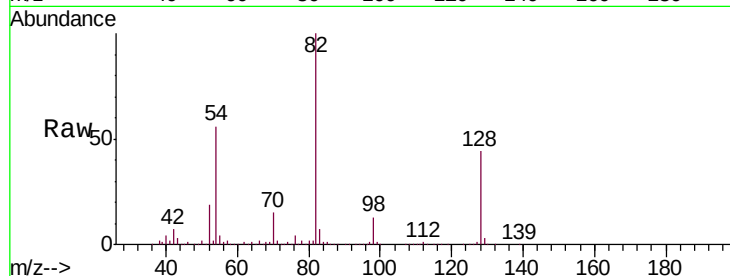
Tgt Ion: 82 Resp: 717172

Ion Ratio Lower Upper

82 100

128 43.6 36.1 54.1

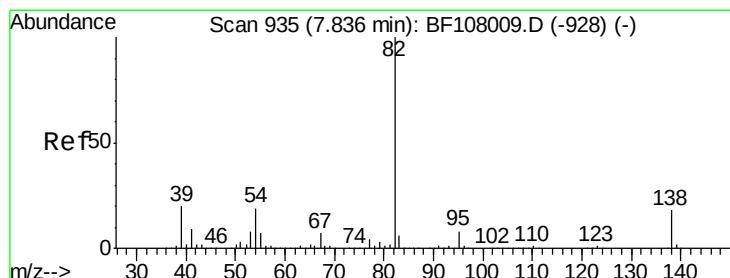
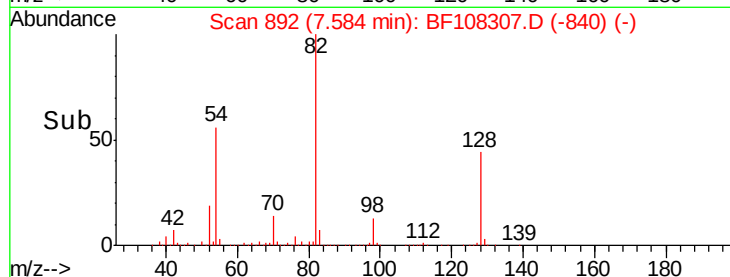
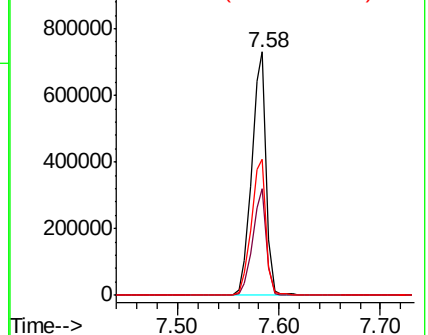
54 55.8 41.4 62.2



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: 40.883 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

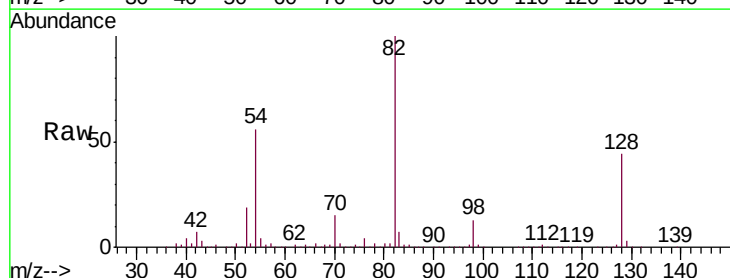
Tgt Ion: 82 Resp: 713223

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

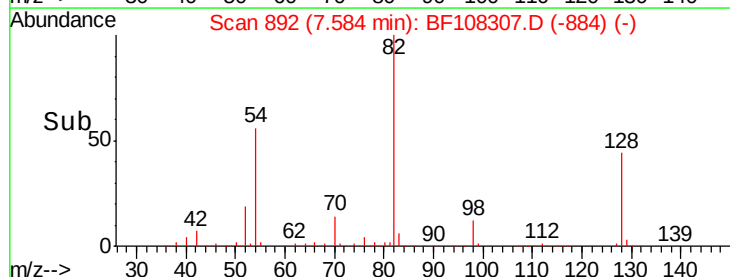
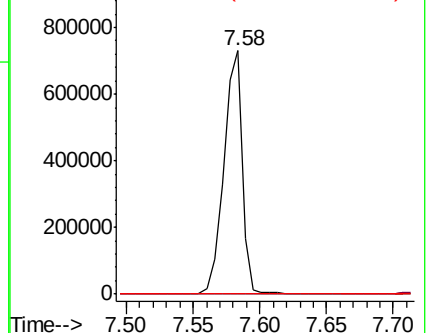
138 0.0 14.9 22.3#

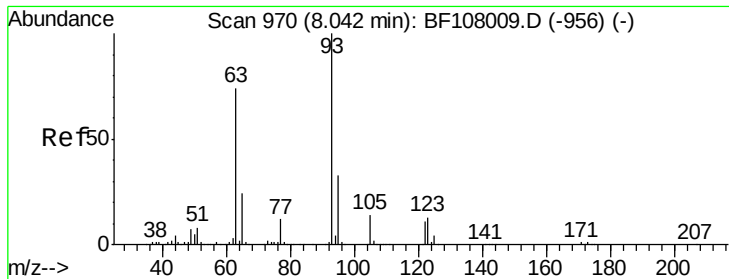


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 6.016 ng

RT: 8.07 min Scan# 975

Delta R.T. 0.03 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

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ClientSampleId :

MS-RO-27186

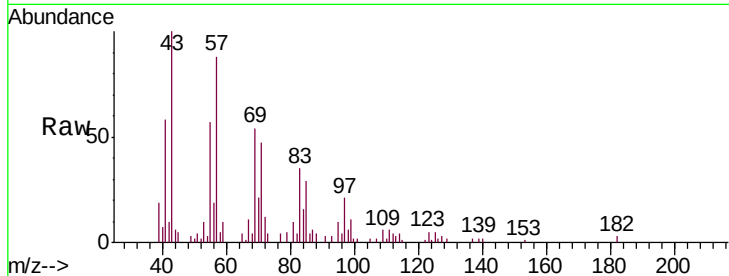
Tgt Ion:122 Resp: 215

Ion Ratio Lower Upper

122 100

105 170.9 101.1 141.1#

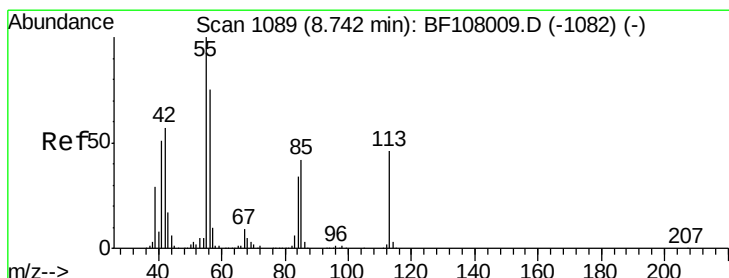
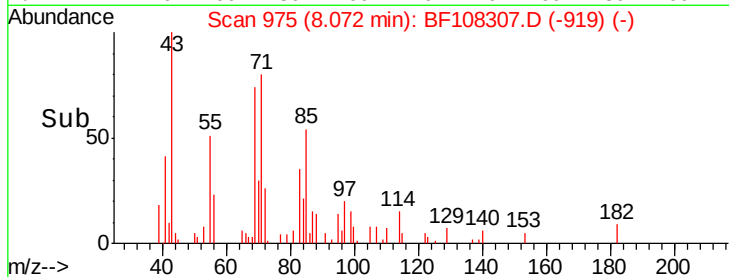
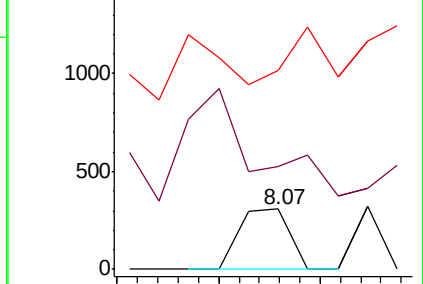
77 329.1 70.7 110.7#



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



#35

Caprolactam

Concen: 3.044 ng

RT: 8.71 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

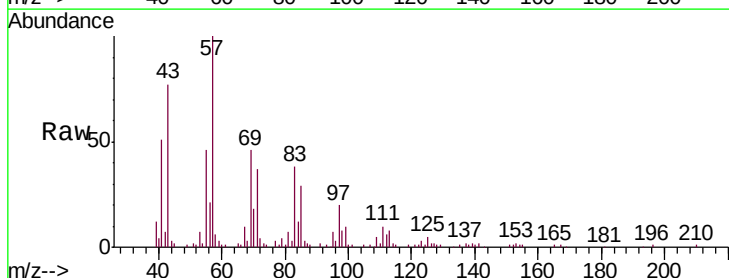
Tgt Ion:113 Resp: 6798

Ion Ratio Lower Upper

113 100

55 547.3 163.3 203.3#

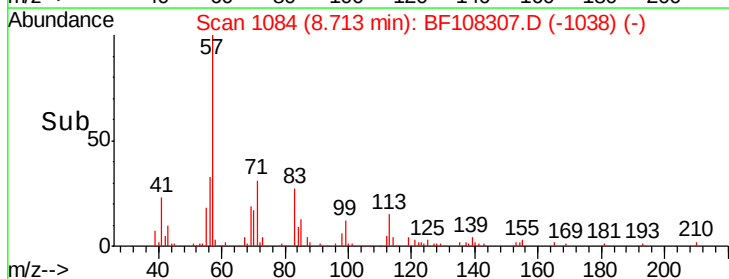
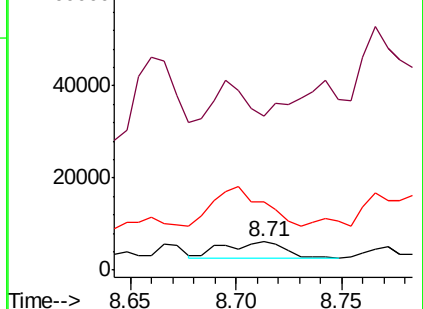
56 243.2 115.7 155.7#

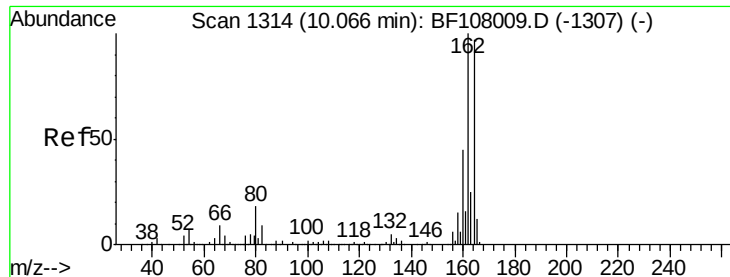


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

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ClientSampleId :

MS-RO-27186

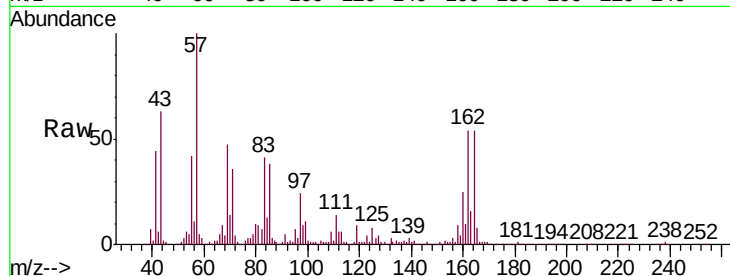
Tgt Ion:164 Resp: 191974

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

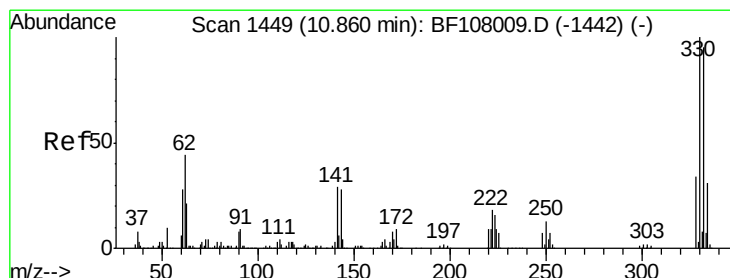
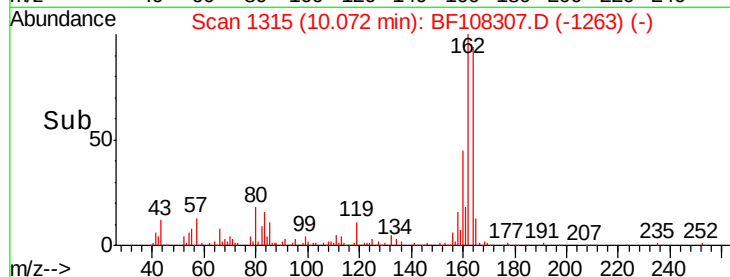
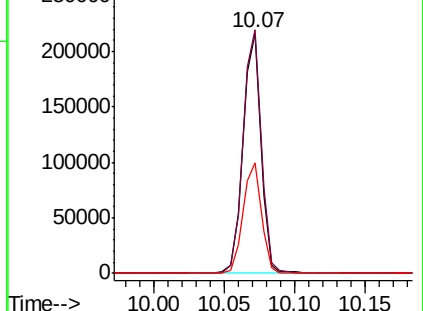
160 46.0 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 105.841 ng

RT: 10.87 min Scan# 1451

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

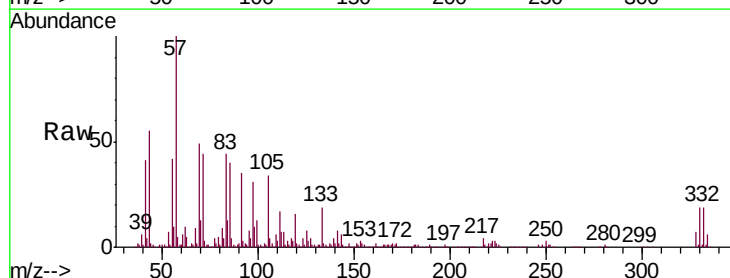
Tgt Ion:330 Resp: 202675

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

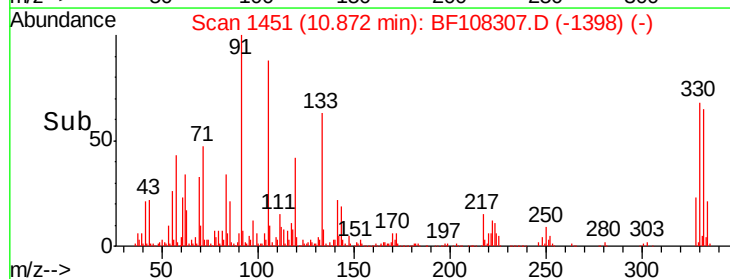
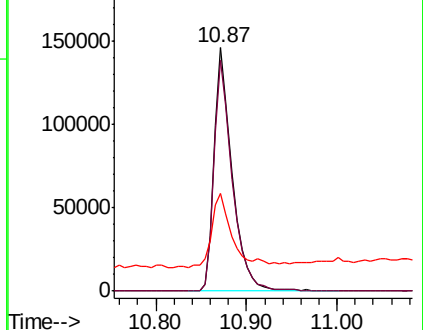
141 34.8 29.9 44.9

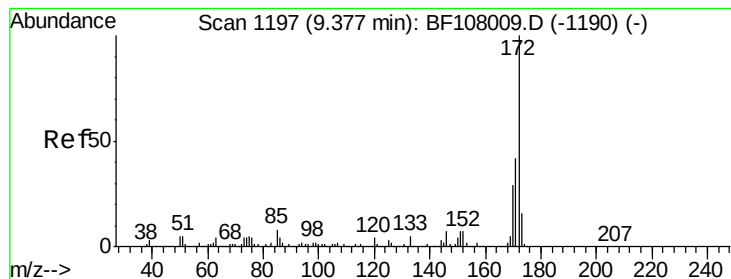


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

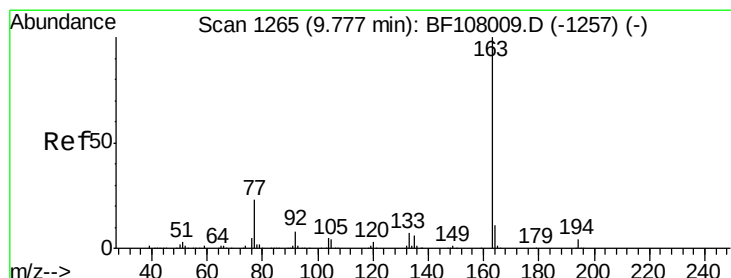
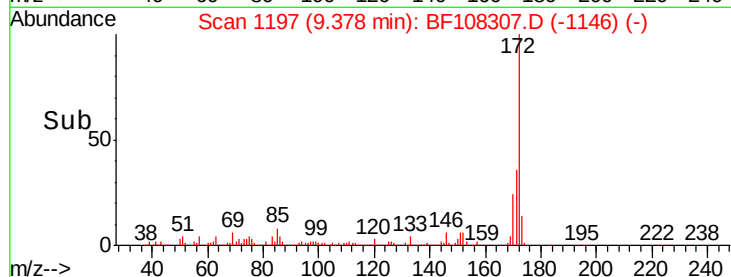
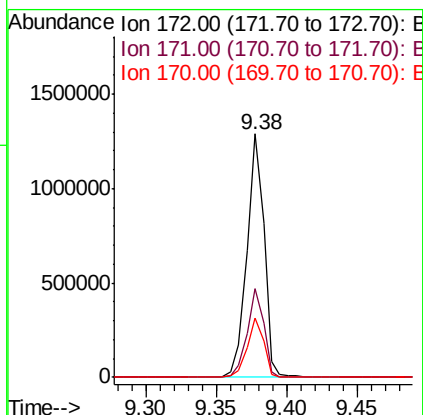
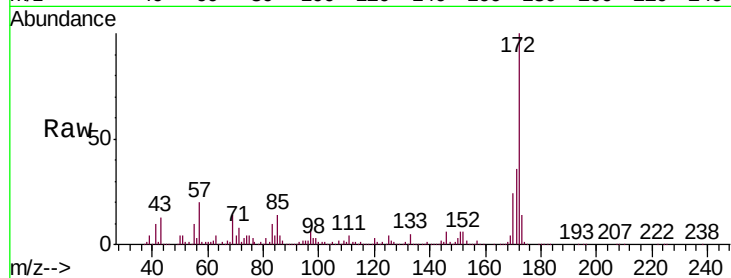




#44
2-Fluorobiphenyl
Concen: 91.791 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

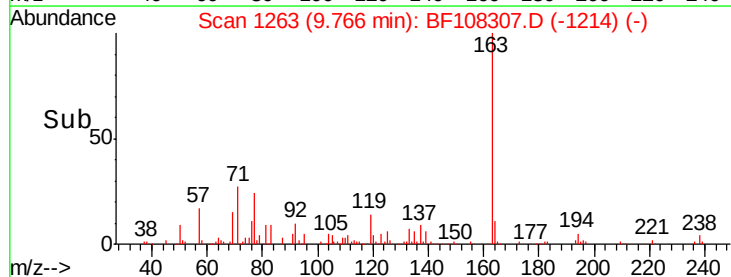
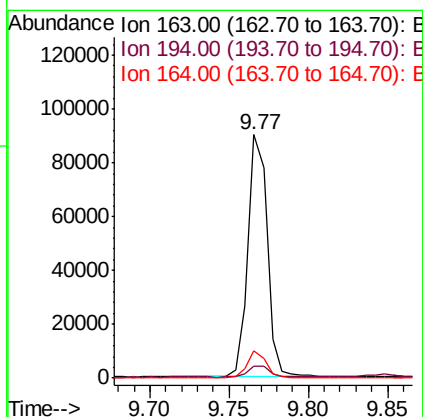
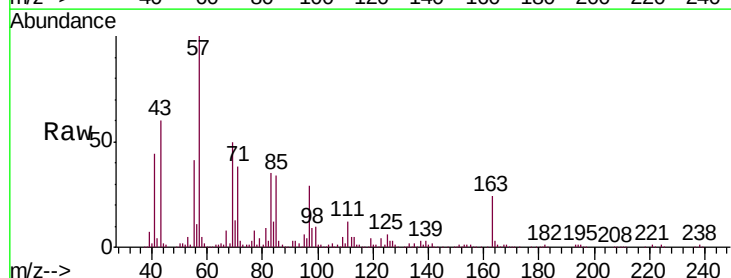
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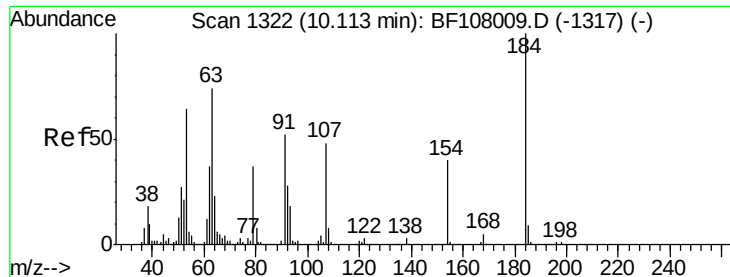
Tgt Ion:172 Resp: 1097591
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.2 19.6 29.4



#49
Dimethylphthalate
Concen: 5.693 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Tgt Ion:163 Resp: 76129
Ion Ratio Lower Upper
163 100
194 5.0 2.7 4.1#
164 11.0 8.2 12.2

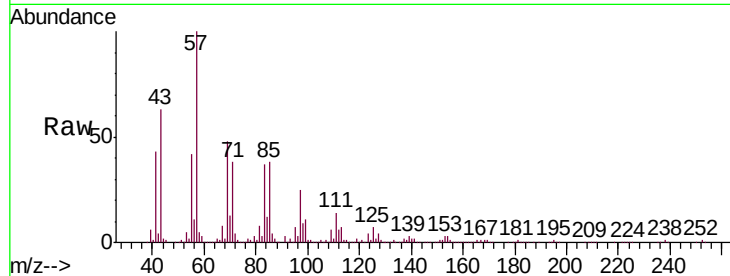




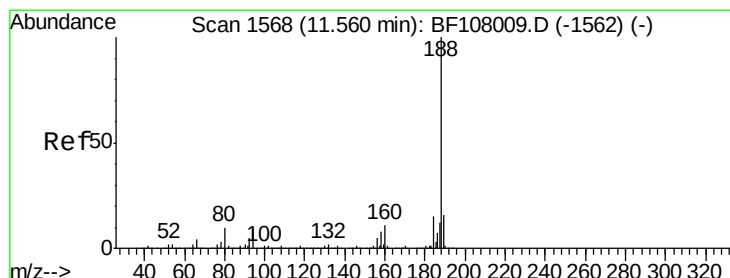
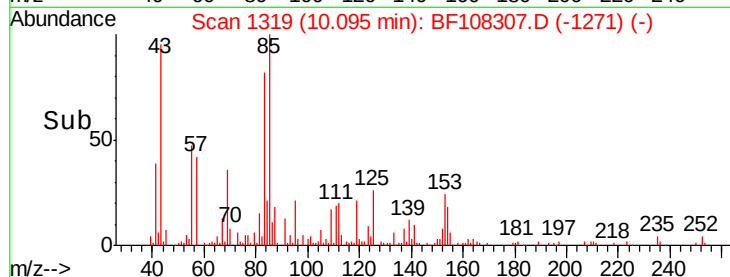
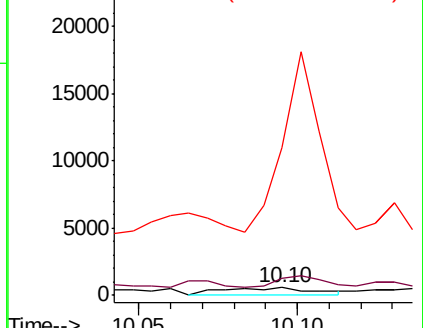
#53
2,4-Dinitrophenol
Concen: 8.025 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Instrument :
BNA_F
ClientSampleId :
MS-RO-27186

Tgt Ion:184 Resp: 1153
Ion Ratio Lower Upper
184 100
63 223.8 54.2 81.2#
154 1946.8 184.0 276.0#

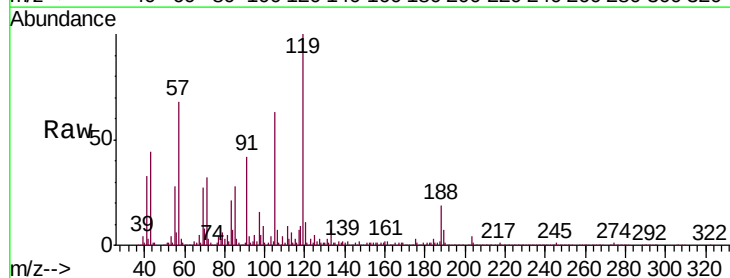


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

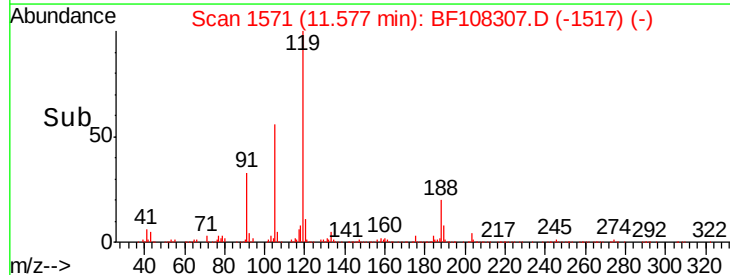
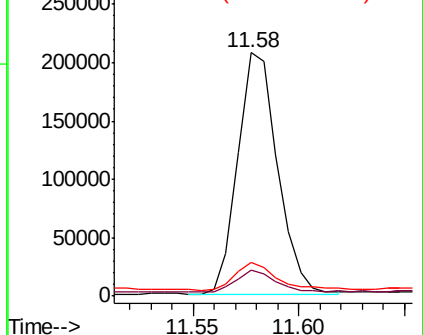


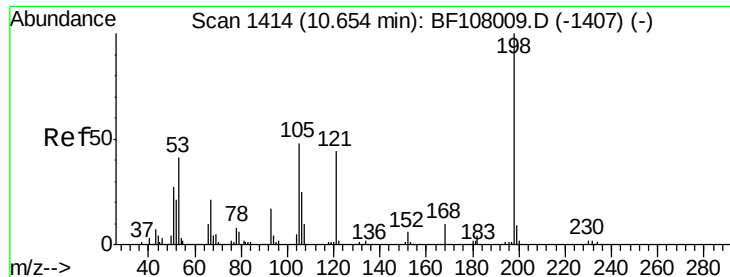
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.02 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Tgt Ion:188 Resp: 270262
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 13.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 5.485 ng

RT: 10.66 min Scan# 1415

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

BNA_F

ClientSampleId :

MS-RO-27186

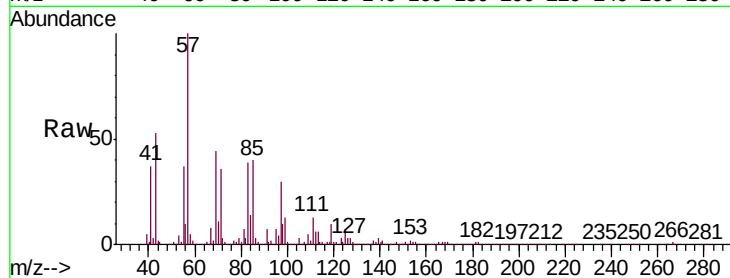
Tgt Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 697.0 37.7 77.7#

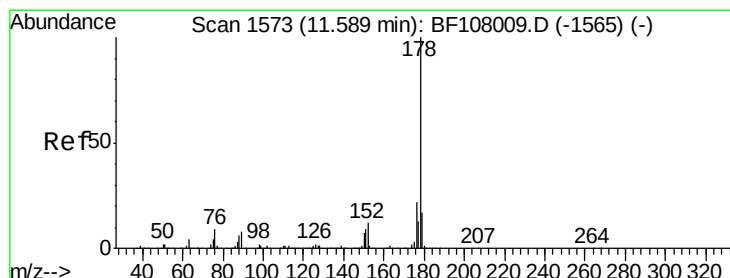
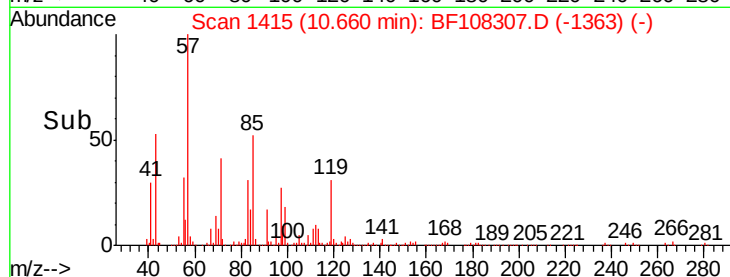
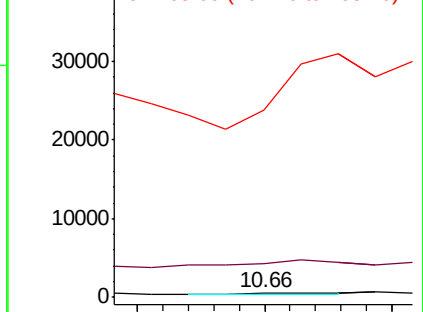
105 3914.5 36.3 76.3#



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

Phenanthrene

Concen: 5.982 ng

RT: 11.60 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

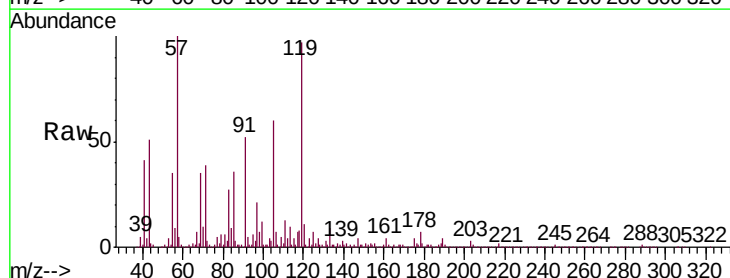
Tgt Ion:178 Resp: 76253

Ion Ratio Lower Upper

178 100

176 31.5 15.8 23.8#

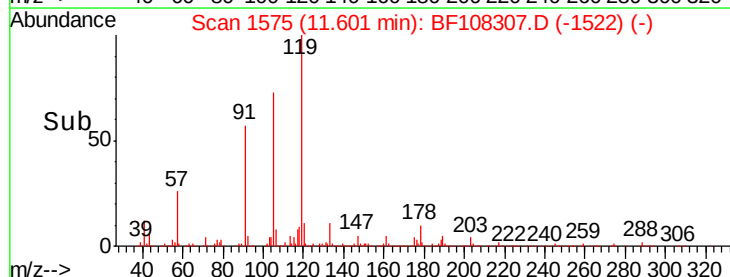
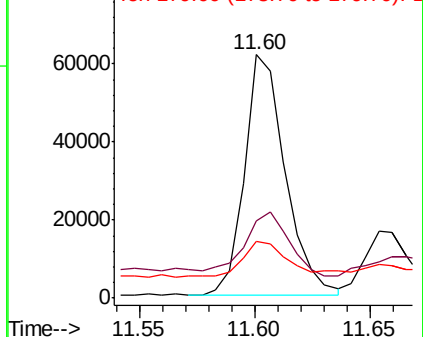
179 23.3 13.0 19.6#

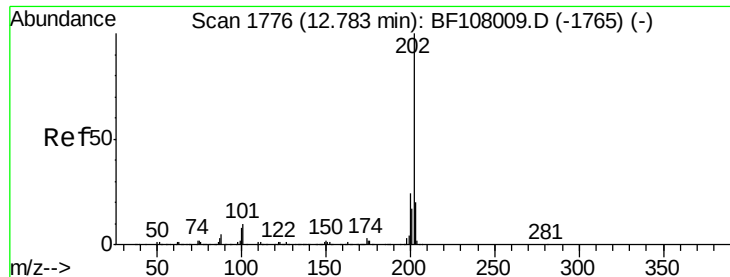


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

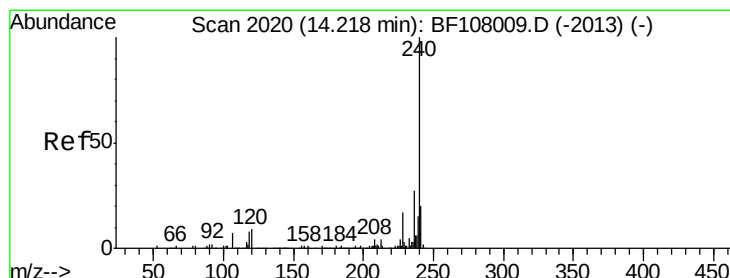
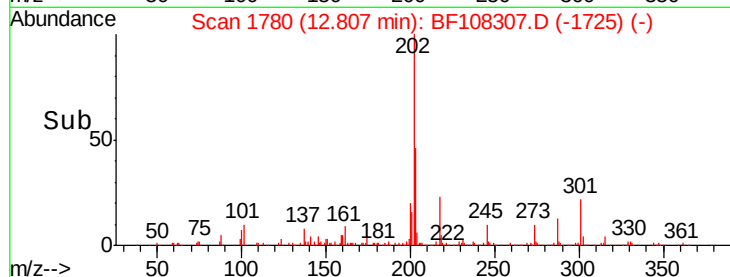
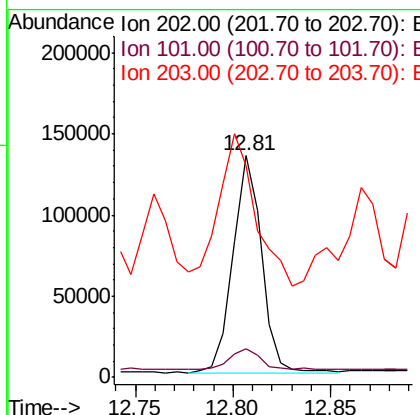
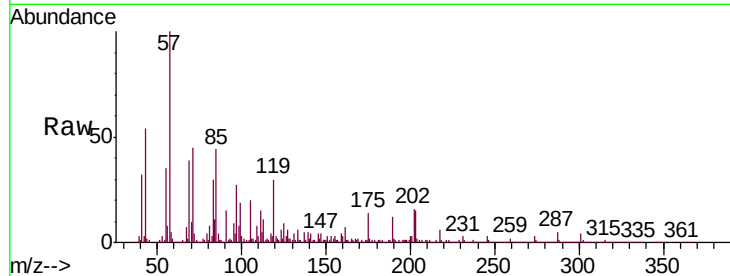




#74
 Fluoranthene
 Concen: 9.860 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. 0.02 min
 Lab File: BF108307.D
 Acq: 20 Aug 2018 23:00

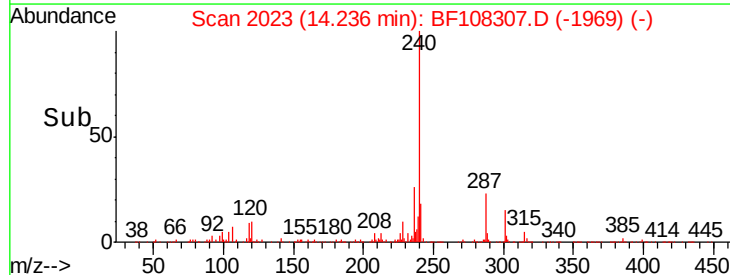
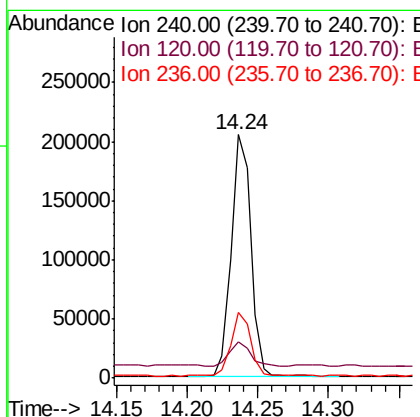
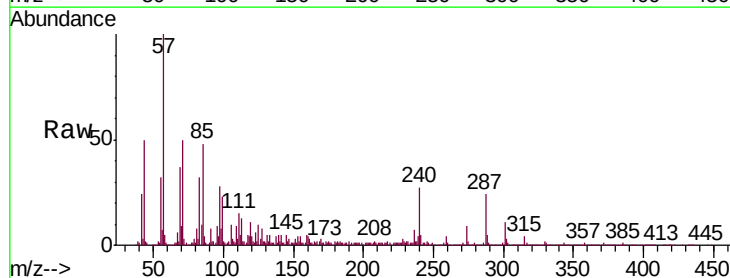
Instrument :
 BNA_F
 ClientSampleId :
 MS-RO-27186

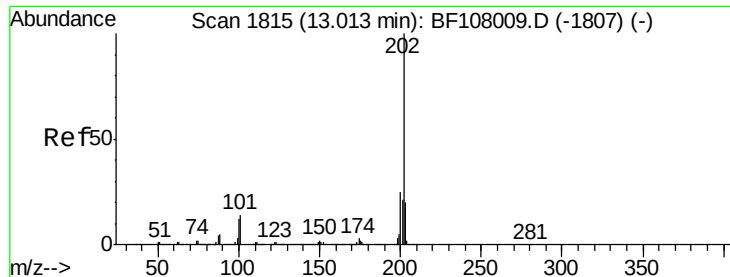
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	95.9	0.0	38.1#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. 0.02 min
 Lab File: BF108307.D
 Acq: 20 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	27.1	20.7	31.1

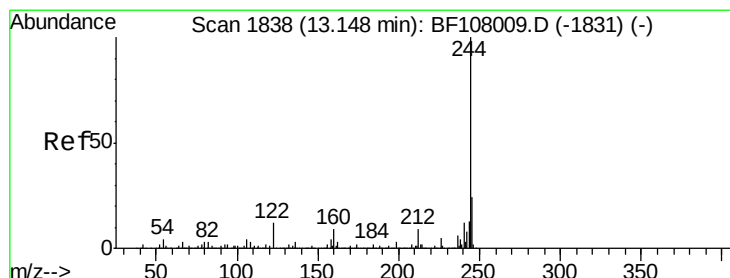
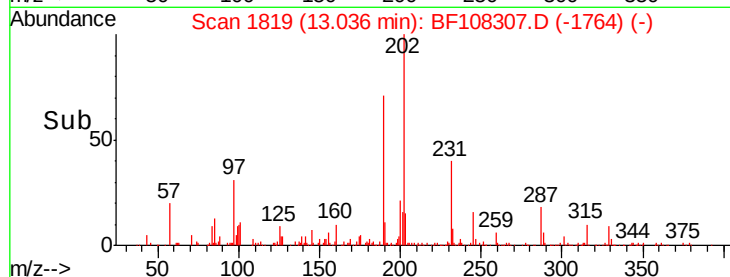
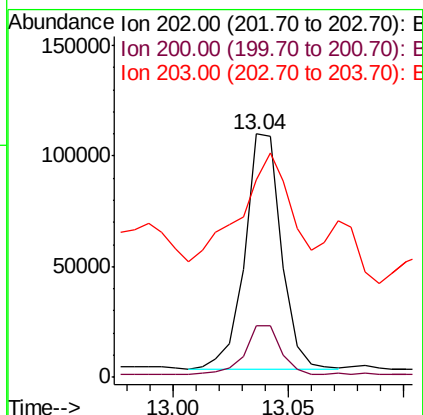
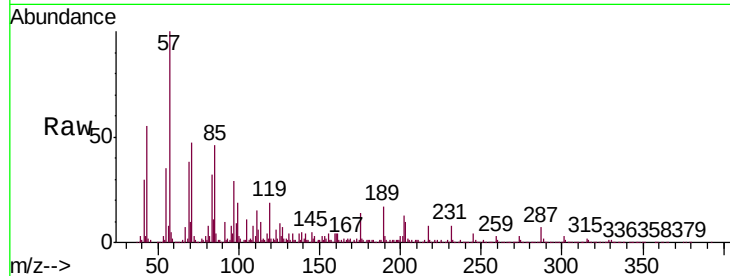




#77
 Pyrene
 Concen: 9.251 ng
 RT: 13.04 min Scan# 1819
 Delta R.T. 0.02 min
 Lab File: BF108307.D
 Acq: 20 Aug 2018 23:00

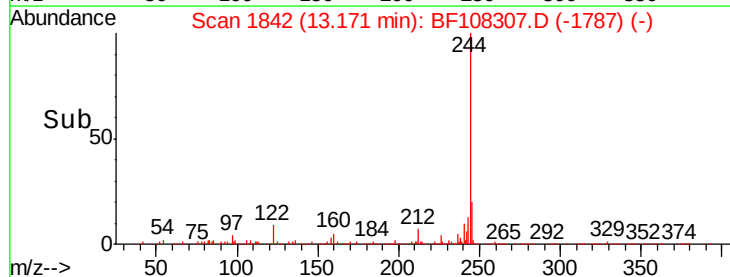
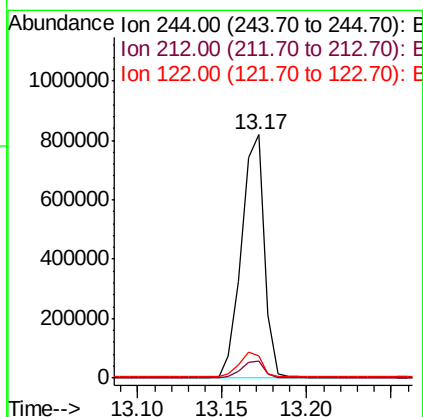
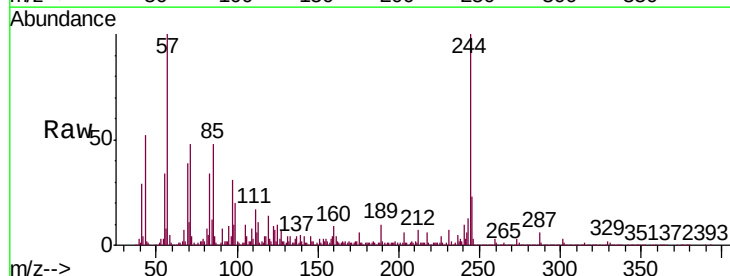
Instrument :
 BNA_F
 ClientSampleId :
 MS-RO-27186

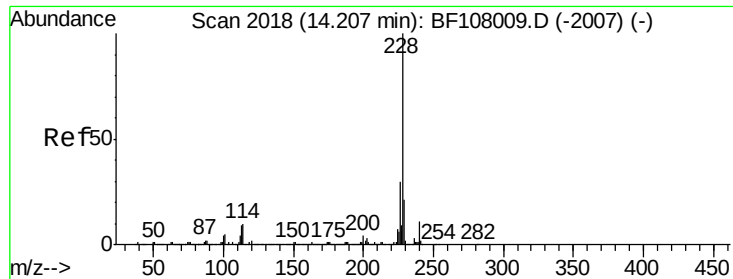
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	81.2	14.3	21.5#



#78
 Terphenyl-d14
 Concen: 98.379 ng
 RT: 13.17 min Scan# 1842
 Delta R.T. 0.02 min
 Lab File: BF108307.D
 Acq: 20 Aug 2018 23:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.1	11.0	16.4#

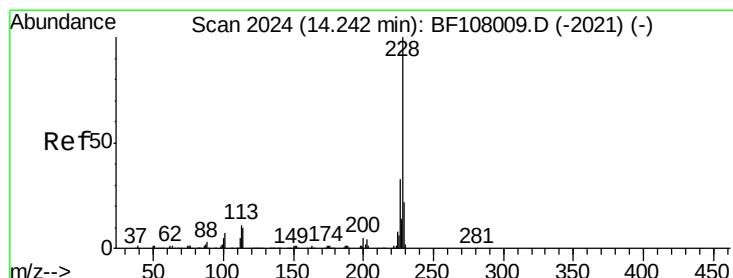
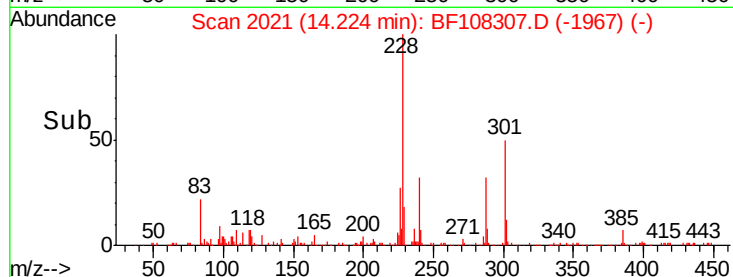
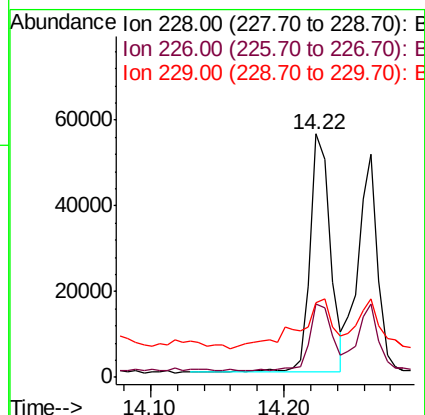
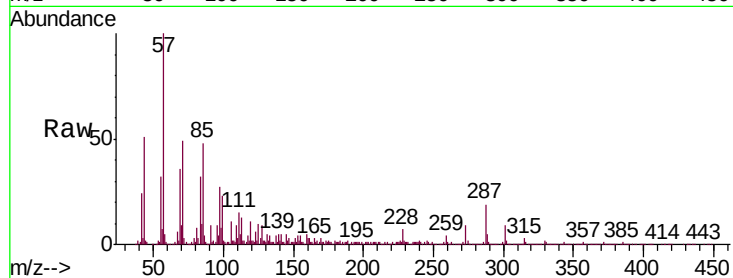




#80
Benzo(a)anthracene
Concen: 4.990 ng
RT: 14.22 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

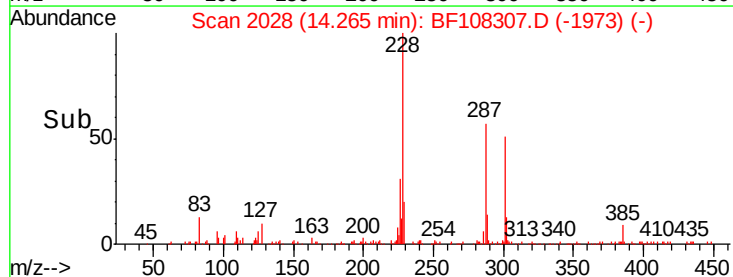
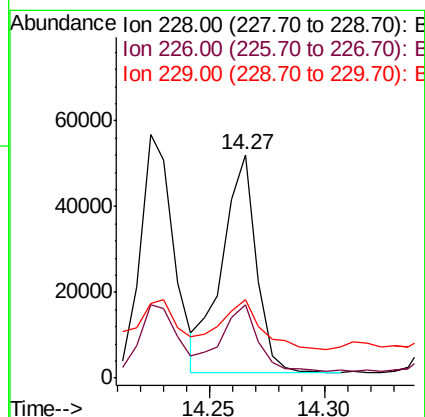
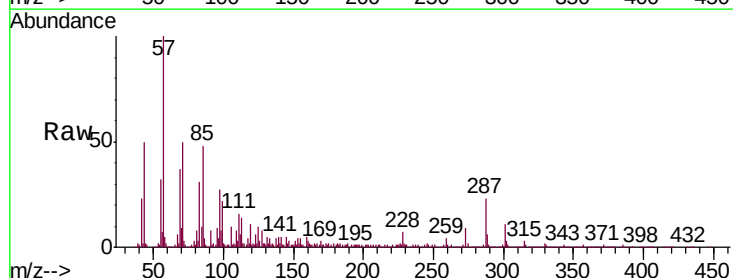
Instrument :
BNA_F
ClientSampleId :
MS-RO-27186

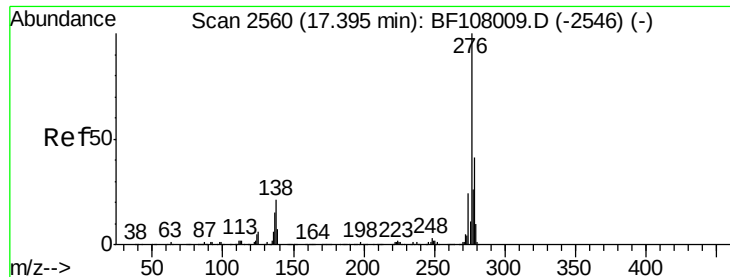
Tgt Ion:228 Resp: 57263
Ion Ratio Lower Upper
228 100
226 29.9 22.6 33.8
229 30.8 15.8 23.6#



#82
Chrysene
Concen: 4.985 ng
RT: 14.27 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Tgt Ion:228 Resp: 52452
Ion Ratio Lower Upper
228 100
226 32.9 25.0 37.6
229 35.1 16.2 24.4#





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.407 ng

RT: 17.44 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

BNA_F

ClientSampleId :

MS-RO-27186

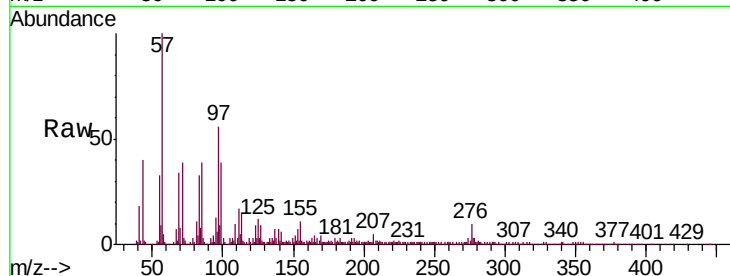
Tgt Ion:276 Resp: 31062

Ion Ratio Lower Upper

276 100

138 25.8 25.0 37.6

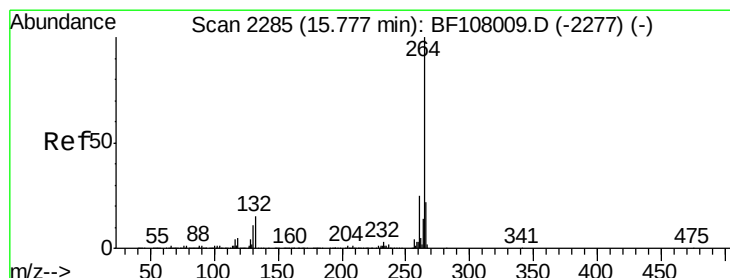
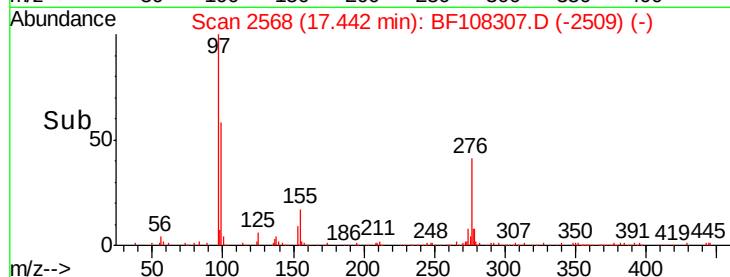
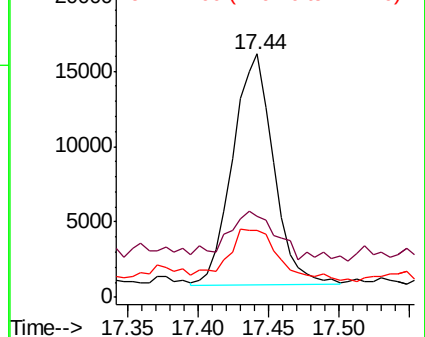
277 28.3 20.1 30.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.81 min Scan# 2290

Delta R.T. 0.03 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

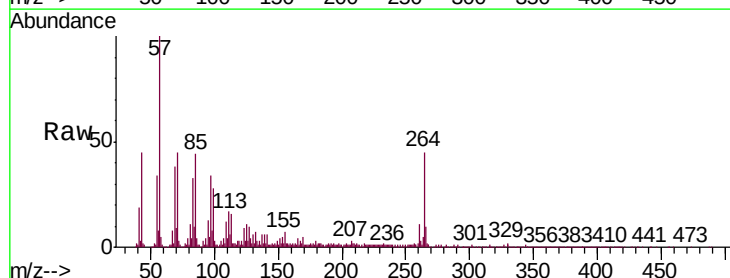
Tgt Ion:264 Resp: 178840

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

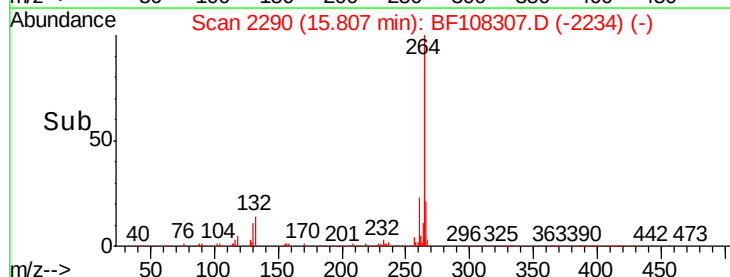
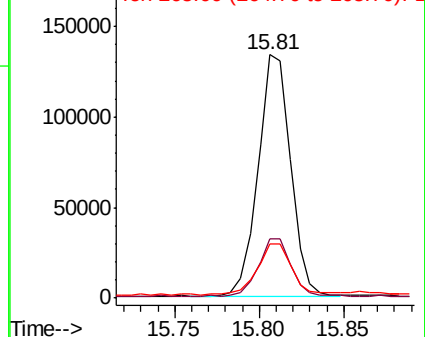
265 22.3 17.5 26.3

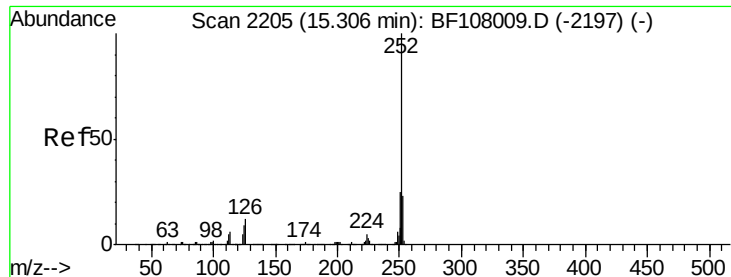


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

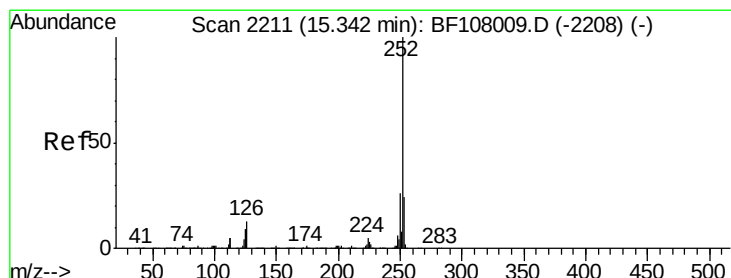
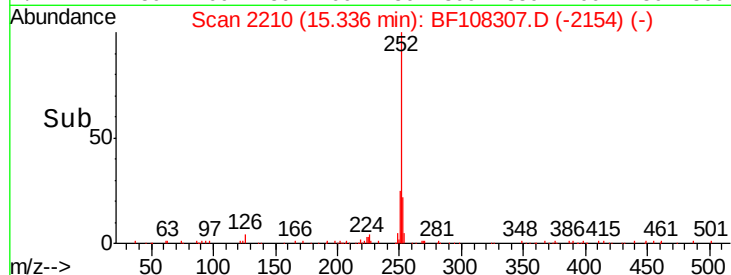
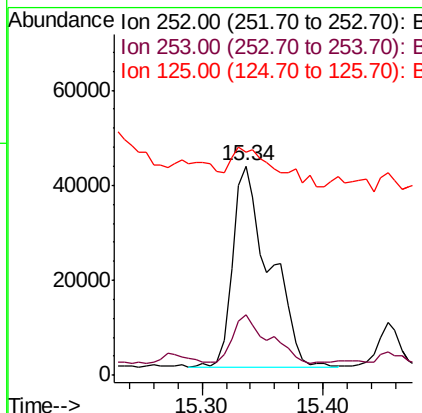
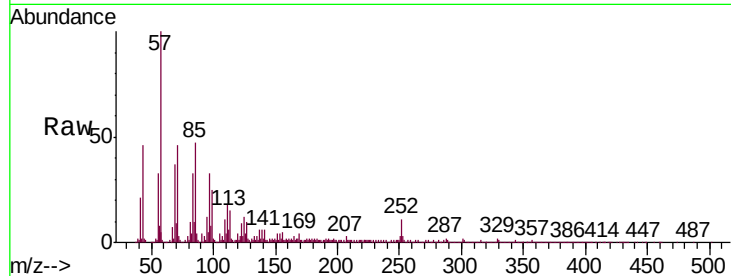




#87
Benzo(b)fluoranthene
Concen: 8.484 ng
RT: 15.34 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

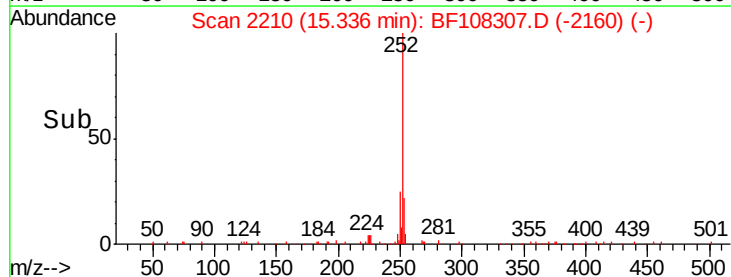
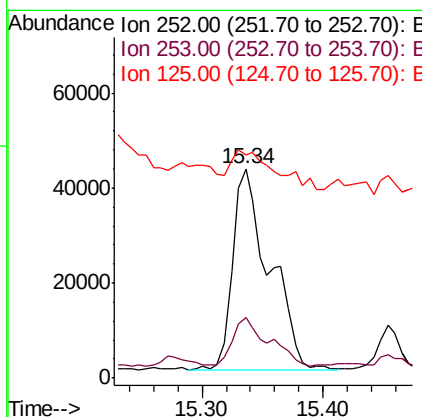
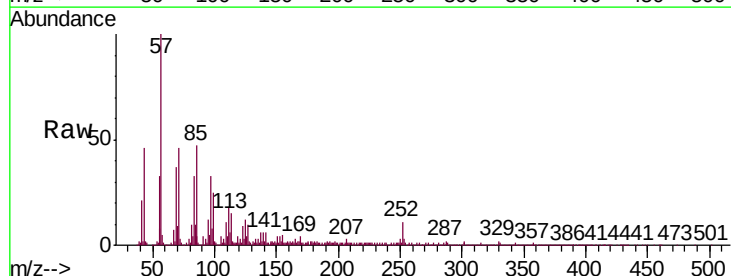
Instrument :
BNA_F
ClientSampleId :
MS-RO-27186

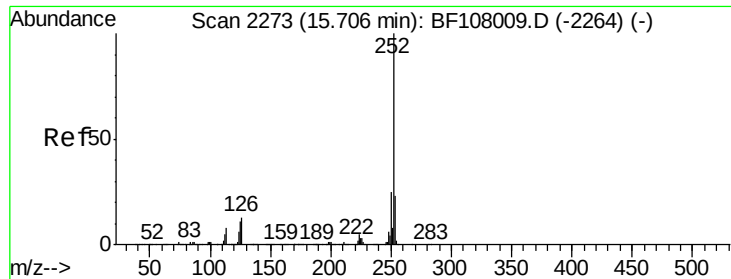
Tgt Ion:252 Resp: 90659
Ion Ratio Lower Upper
252 100
253 28.7 17.0 25.6#
125 106.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 9.229 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108307.D
Acq: 20 Aug 2018 23:00

Tgt Ion:252 Resp: 90659
Ion Ratio Lower Upper
252 100
253 28.7 17.9 26.9#
125 106.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 4.912 ng

RT: 15.74 min Scan# 2279

Delta R.T. 0.04 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Instrument :

BNA_F

ClientSampleId :

MS-RO-27186

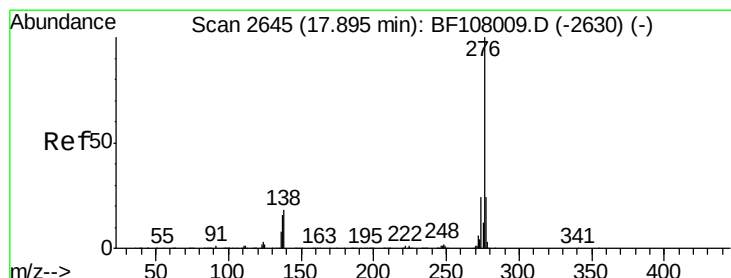
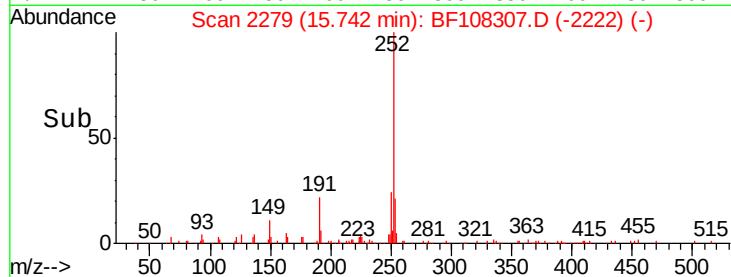
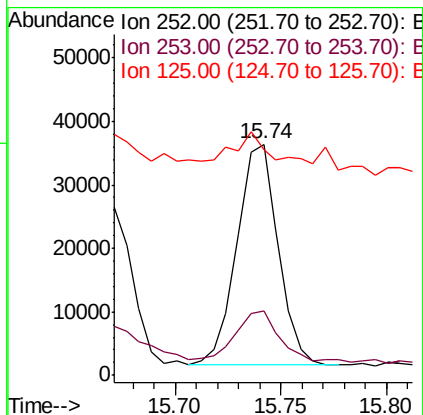
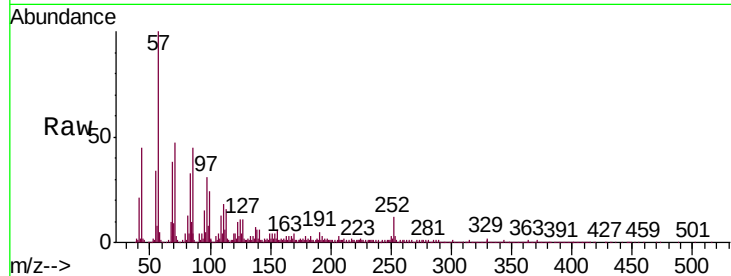
Tgt Ion:252 Resp: 47009

Ion Ratio Lower Upper

252 100

253 27.9 17.1 25.7#

125 97.4 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 3.801 ng

RT: 17.94 min Scan# 2653

Delta R.T. 0.05 min

Lab File: BF108307.D

Acq: 20 Aug 2018 23:00

Tgt Ion:276 Resp: 29634

Ion Ratio Lower Upper

276 100

277 29.1 17.9 26.9#

138 34.0 21.8 32.8#

