

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
 Data File : BF107428.D
 Acq On : 17 Jul 2018 2:59
 Operator : JU/SJ
 Sample : J3975-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAR-8

Quant Time: Jul 17 04:06:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	126447	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	435981	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	202423	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	374624	20.00	ng	0.00
75) Chrysene-d12	14.17	240	369991	20.00	ng	0.00
86) Perylene-d12	15.70	264	250451	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	659839	79.25	ng	0.01
7) Phenol-d6	6.60	99	817391	75.94	ng	0.00
23) Nitrobenzene-d5	7.54	82	552153	67.53	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	135870	76.39	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	618566	45.97	ng	0.00
78) Terphenyl-d14	13.10	244	607888	40.82	ng	0.00

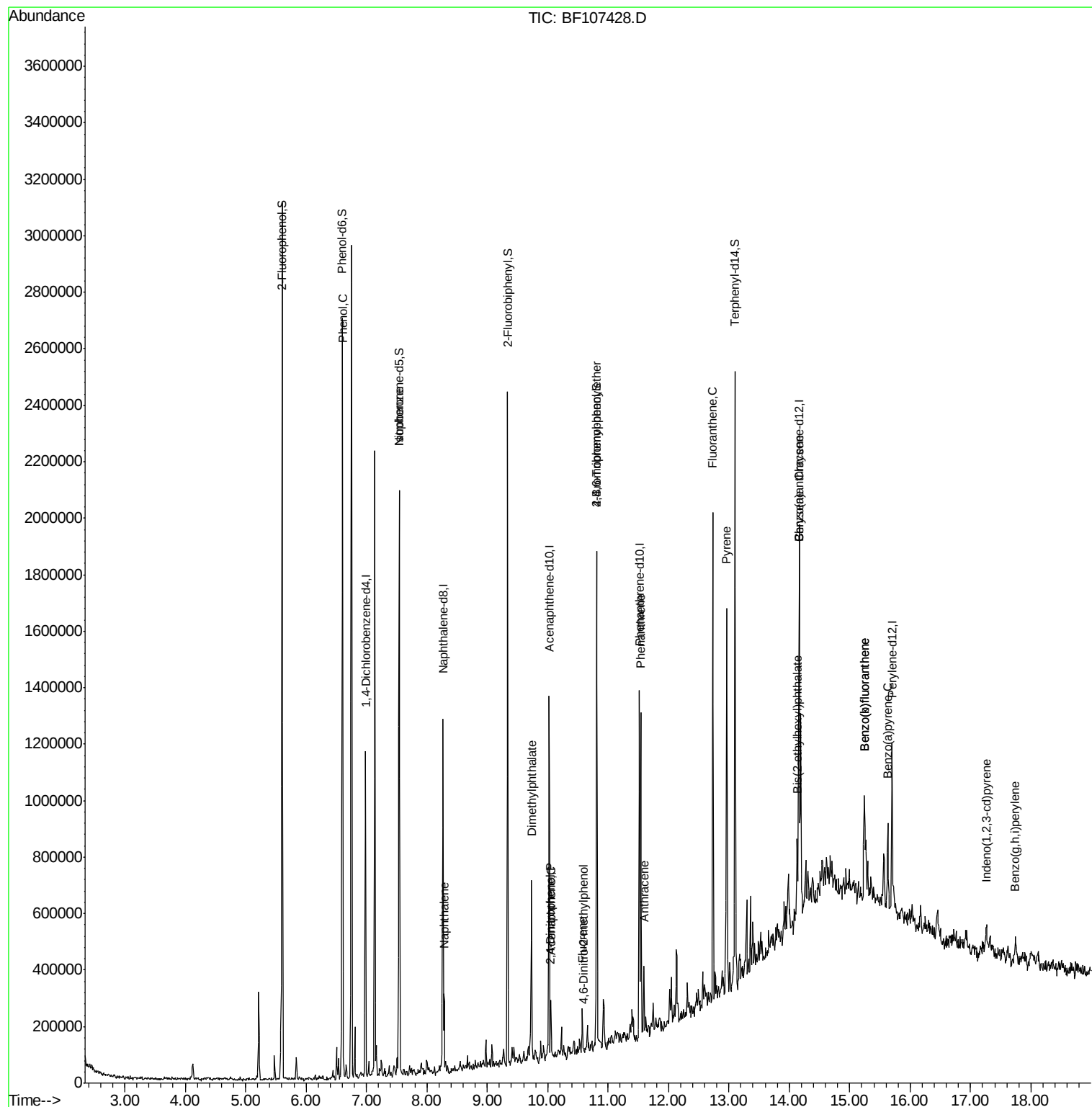
Target Compounds				Qvalue		
10) Phenol	6.61	94	27426	2.377	ng	# 70
25) Isophorone	7.54	82	551311	34.019	ng	# 64
31) Naphthalene	8.29	128	98175	4.636	ng	# 95
49) Dimethylphthalate	9.73	163	164461	10.226	ng	99
51) Acenaphthene	10.06	154	41075	3.212	ng	# 82
53) 2,4-Dinitrophenol	10.04	184	186	2.500	ng	# 1
57) Fluorene	10.57	166	36363	2.778	ng	# 92
64) 4,6-Dinitro-2-methylphenol	10.60	198	303	7.617	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	17813	4.156	ng	# 1
70) Phenanthrene	11.54	178	344532	18.454	ng	99
71) Anthracene	11.59	178	92409	4.969	ng	96
74) Fluoranthene	12.74	202	636207	29.982	ng	92
77) Pyrene	12.97	202	553653	22.005	ng	99
80) Benzo(a)anthracene	14.15	228	273545	12.083	ng	97
82) Chrysene	14.15	228	273545	12.649	ng	94
83) Bis(2-ethylhexyl)phthalate	14.13	149	67271	5.122	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.26	276	62658	4.071	ng	95
87) Benzo(b)fluoranthene	15.24	252	271482	18.519	ng	99
88) Benzo(k)fluoranthene	15.24	252	271482	18.977	ng	96
89) Benzo(a)pyrene	15.63	252	139059	10.335	ng	99
91) Benzo(g,h,i)perylene	17.75	276	61228	5.934	ng	95

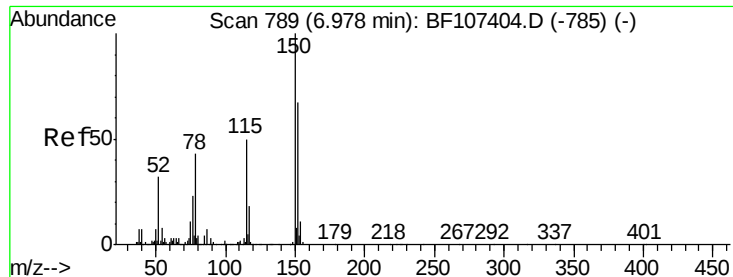
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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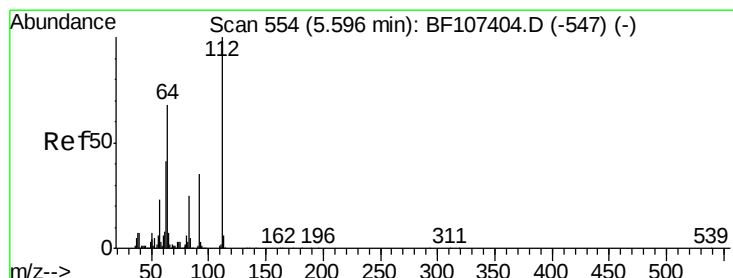
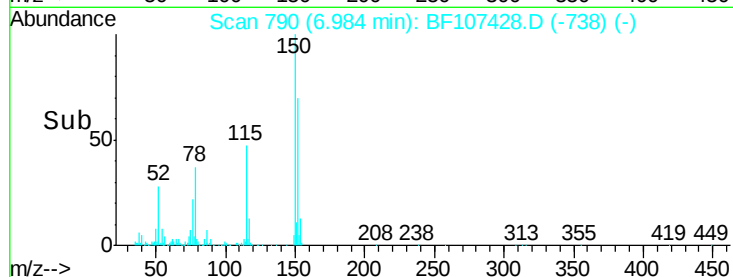
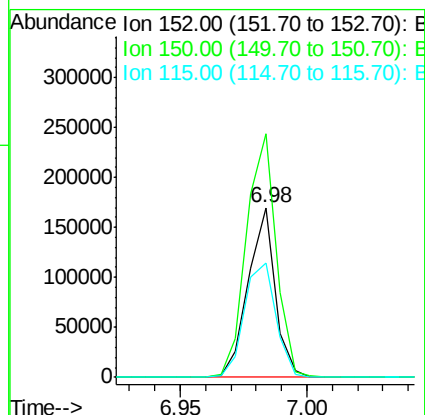
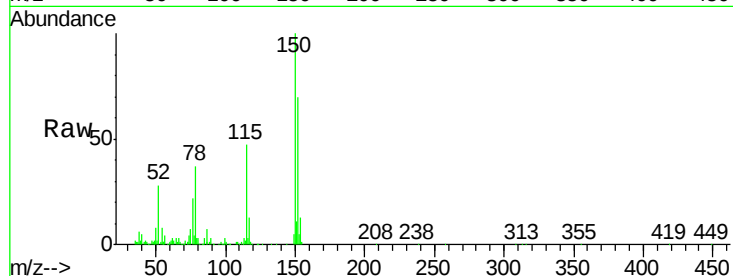


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Instrument :
BNA_F
ClientSampleId :
PAR-8

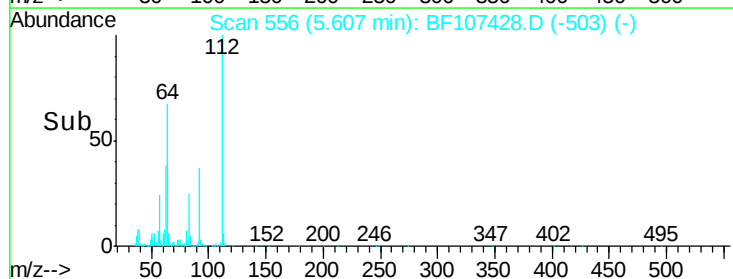
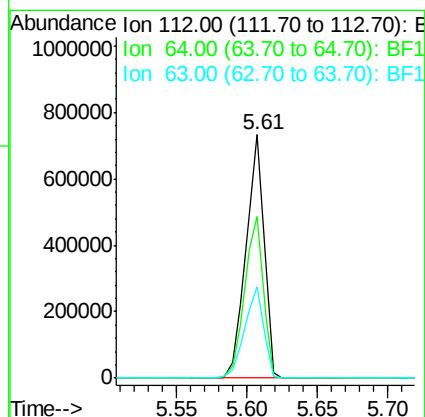
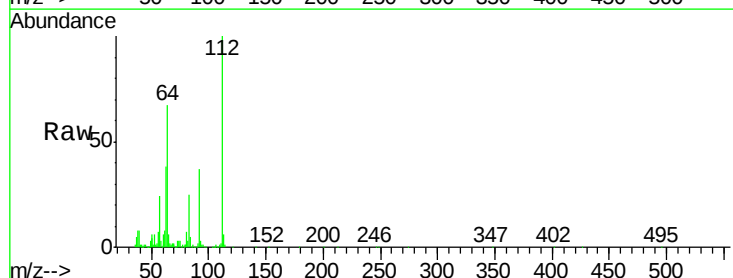
Tgt Ion	Ratio	Lower	Upper
152	100		
150	143.6	124.6	186.8
115	67.6	50.1	75.1

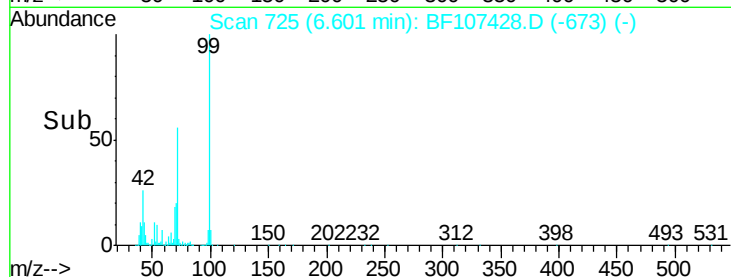
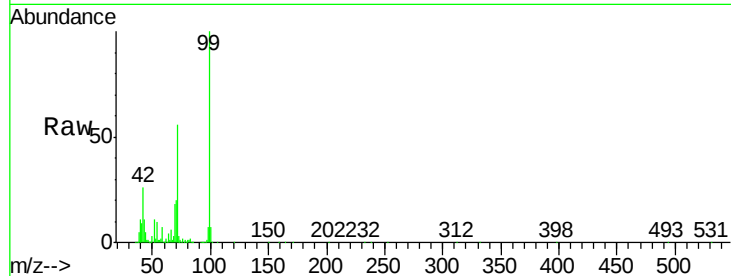
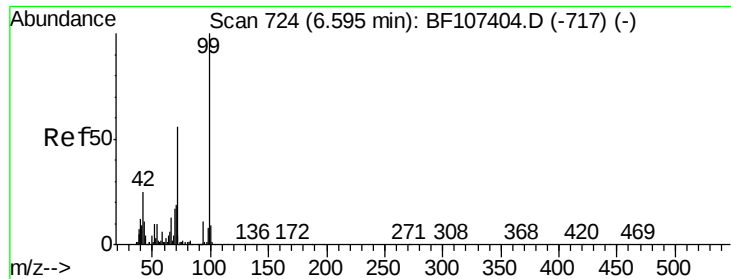


#5

2-Fluorophenol
Concen: 79.253 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	37.6	23.7	35.5





#7

Phenol-d6

Concen: 75.936 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

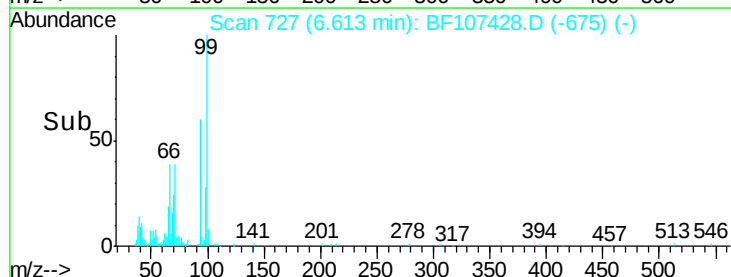
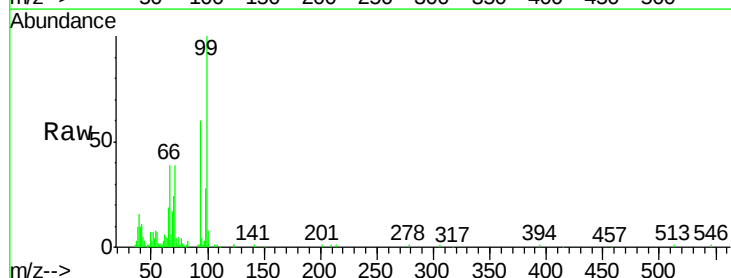
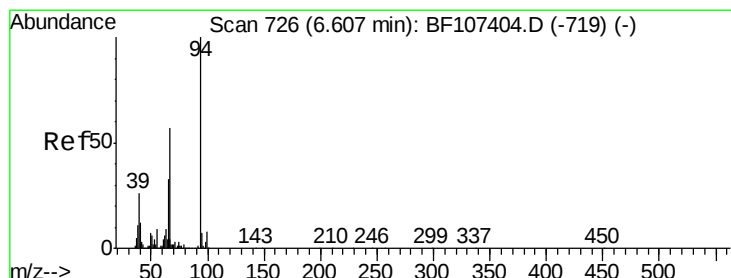
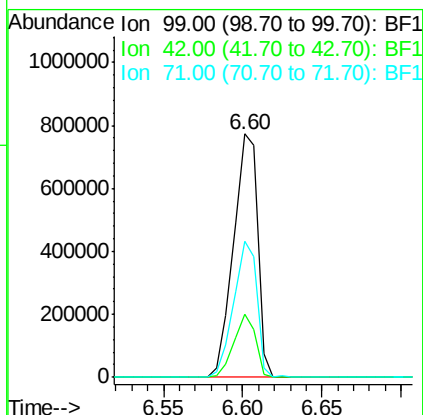
Tgt Ion: 99 Resp: 817391

Ion Ratio Lower Upper

99 100

42 25.7 14.5 21.7#

71 55.9 25.4 38.0#



#10

Phenol

Concen: 2.377 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

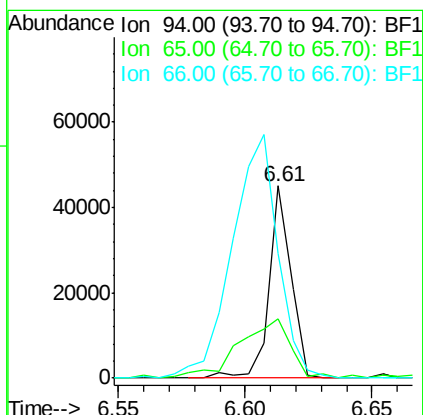
Tgt Ion: 94 Resp: 27426

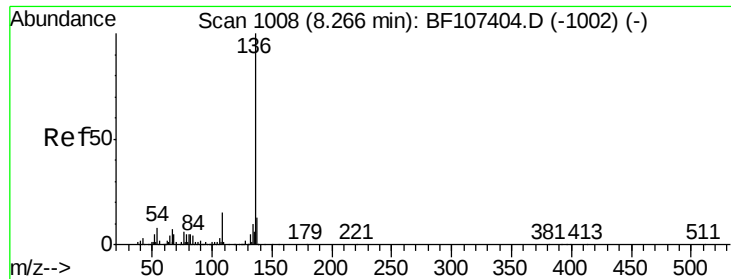
Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 65.0 16.2 56.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

Tgt Ion: 136 Resp: 435981

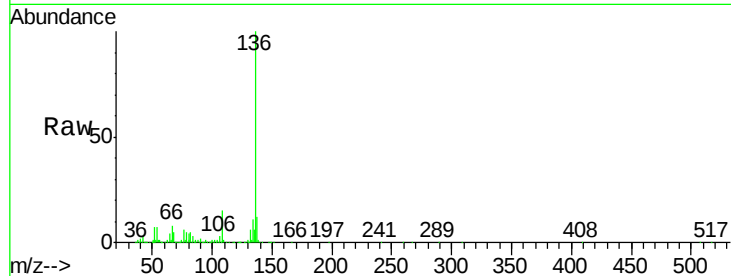
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 6.7 6.6 9.8

68 5.5 5.0 7.4

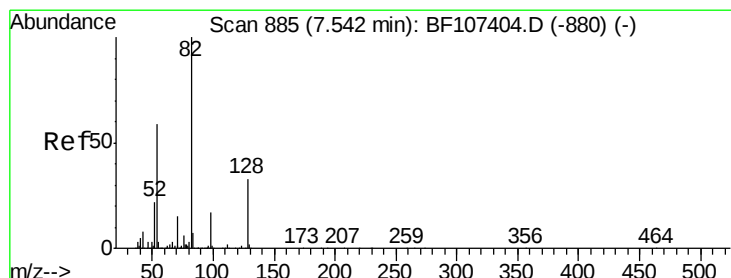
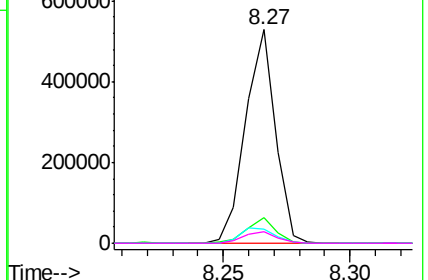
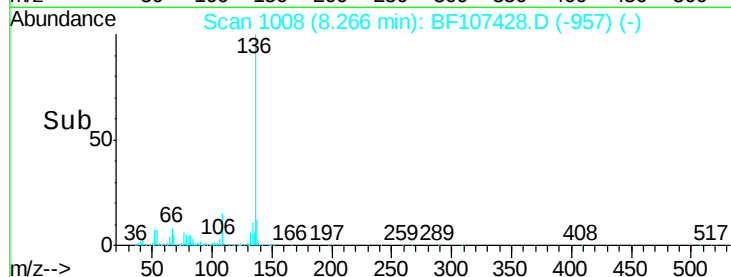


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.533 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

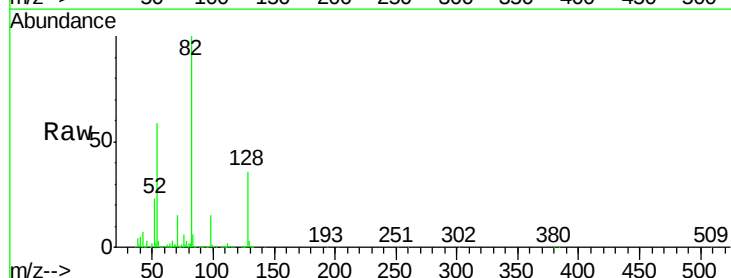
Tgt Ion: 82 Resp: 552153

Ion Ratio Lower Upper

82 100

128 36.4 36.1 54.1

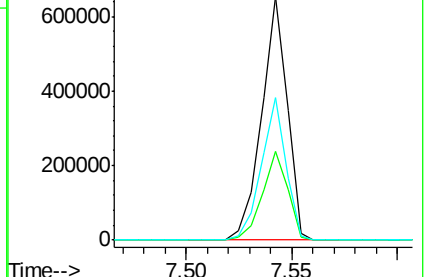
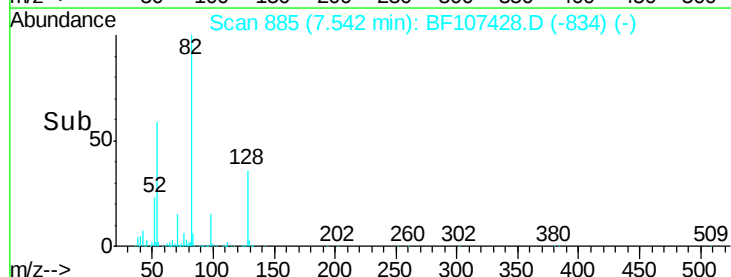
54 58.7 41.4 62.2

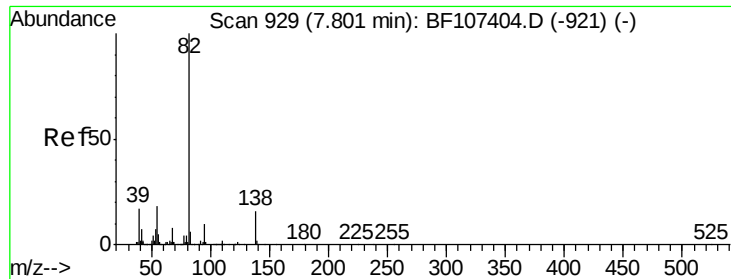


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

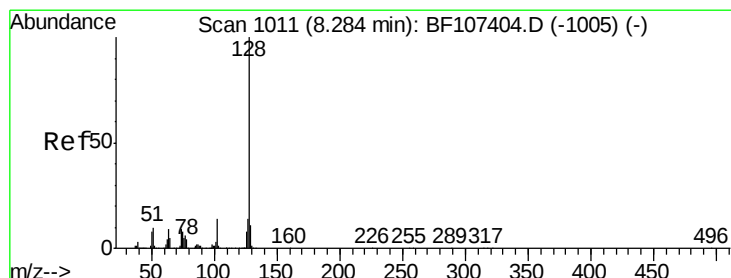
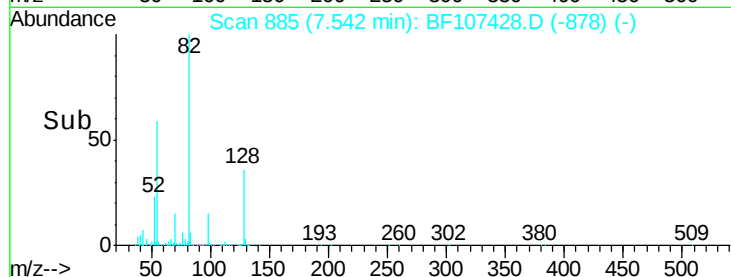
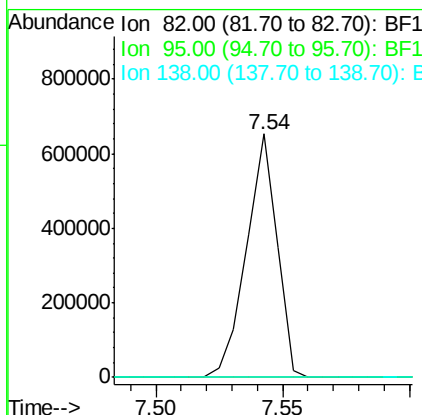
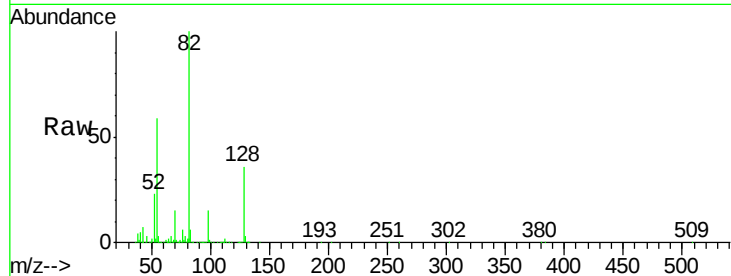




#25
Isophorone
Concen: 34.019 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

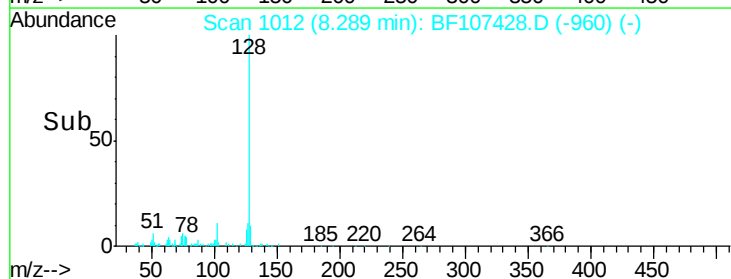
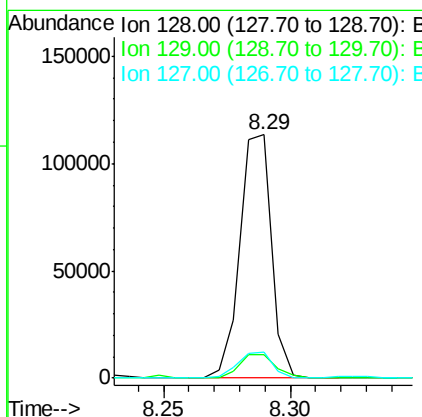
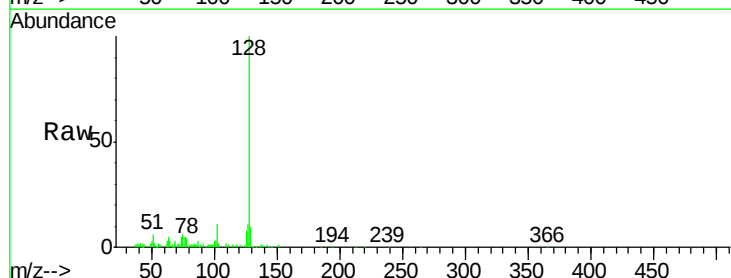
Instrument :
BNA_F
ClientSampleId :
PAR-8

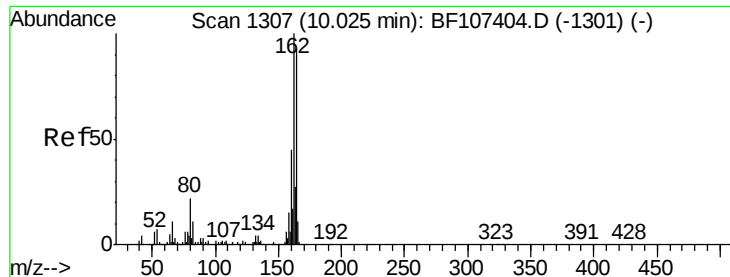
Tgt Ion: 82 Resp: 551311
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 4.636 ng
RT: 8.29 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Tgt Ion: 128 Resp: 98175
Ion Ratio Lower Upper
128 100
129 9.8 8.8 13.2
127 10.7 10.9 16.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

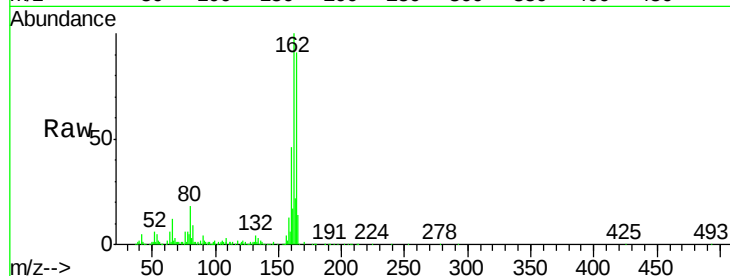
Tgt Ion:164 Resp: 202423

Ion Ratio Lower Upper

164 100

162 109.8 86.1 129.1

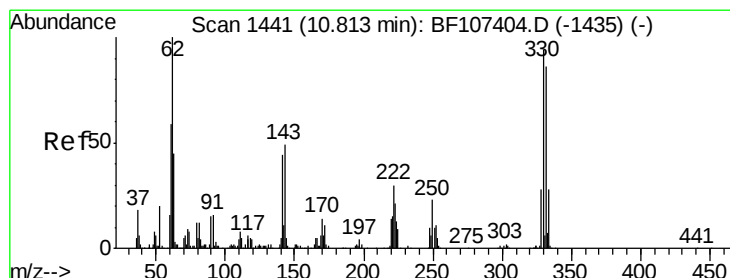
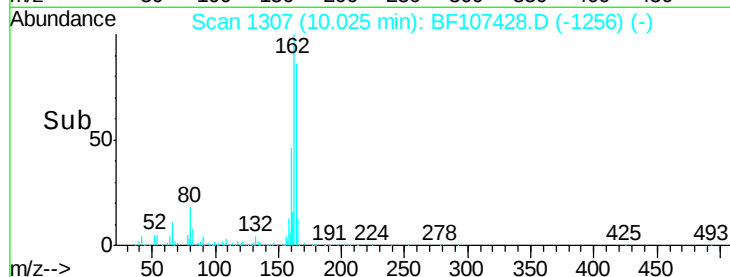
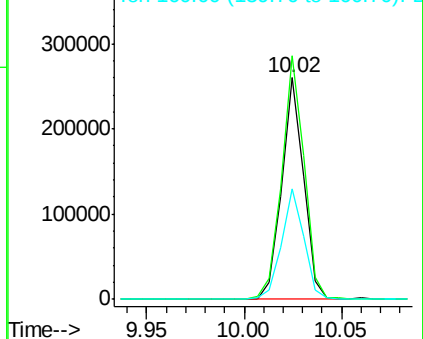
160 50.0 38.3 57.5



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: 76.395 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

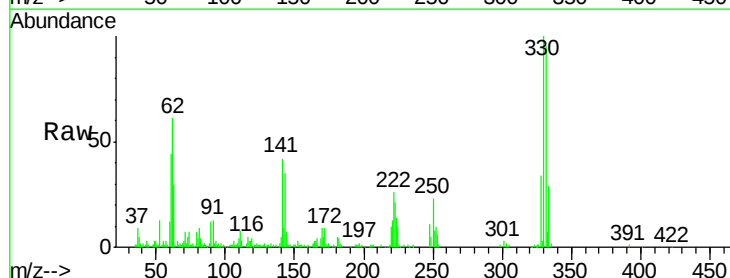
Tgt Ion:330 Resp: 135870

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

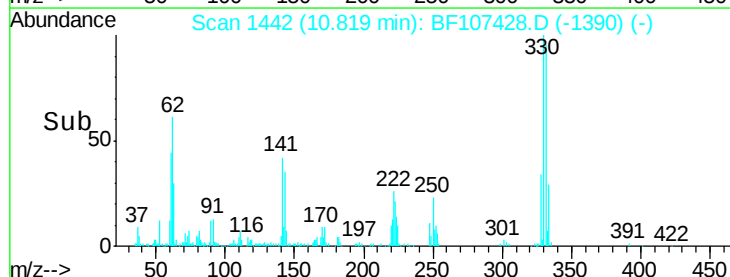
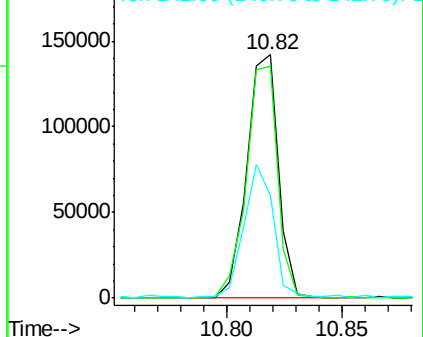
141 52.1 29.9 44.9#

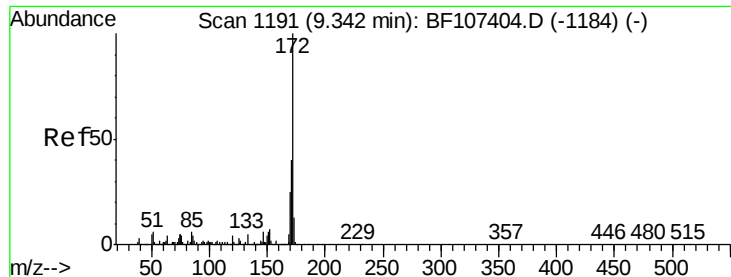


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

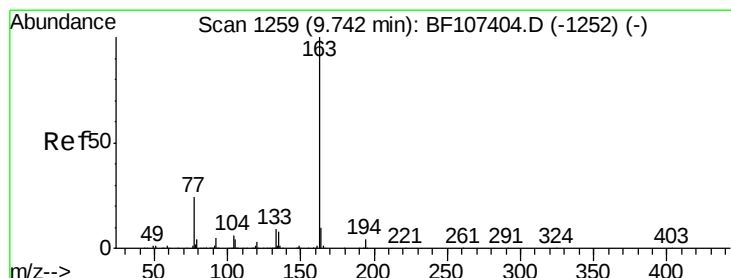
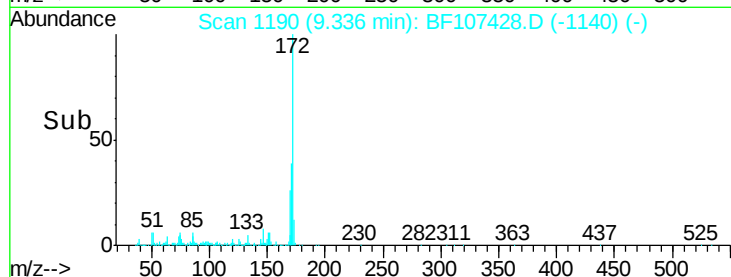
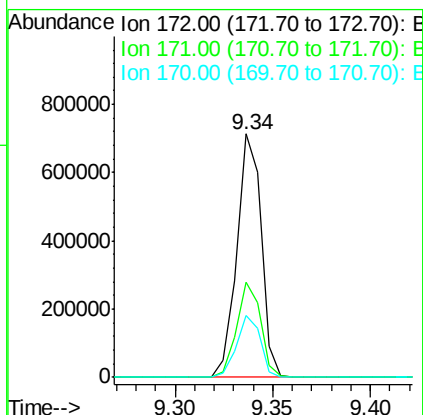
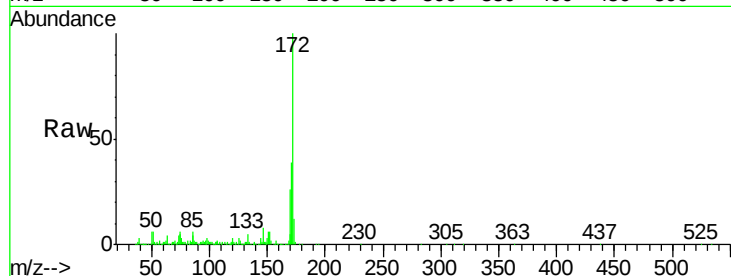




#44
2-Fluorobiphenyl
Concen: 45.974 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

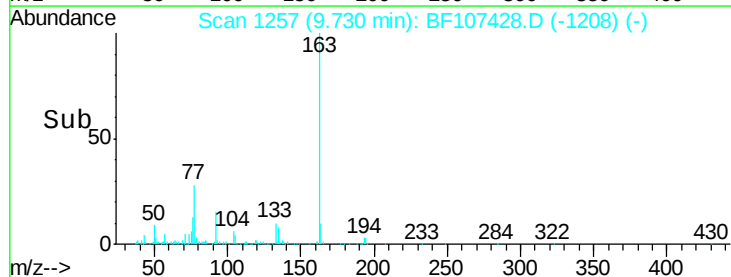
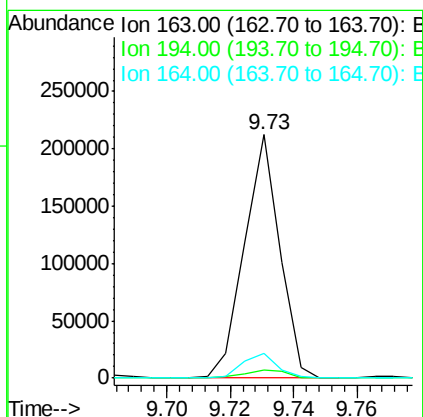
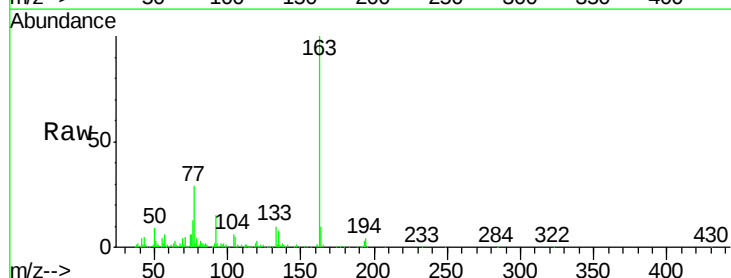
Instrument :
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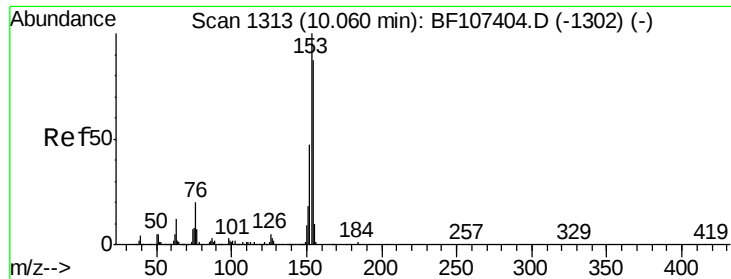
Tgt Ion:172 Resp: 618566
Ion Ratio Lower Upper
172 100
171 39.3 29.7 44.5
170 25.6 19.6 29.4



#49
Dimethylphthalate
Concen: 10.226 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Tgt Ion:163 Resp: 164461
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.9 8.2 12.2





#51

Acenaphthene

Concen: 3.212 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

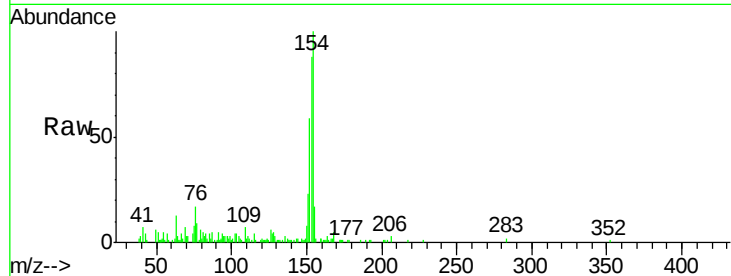
Tgt Ion:154 Resp: 41075

Ion Ratio Lower Upper

154 100

153 88.0 91.2 136.8#

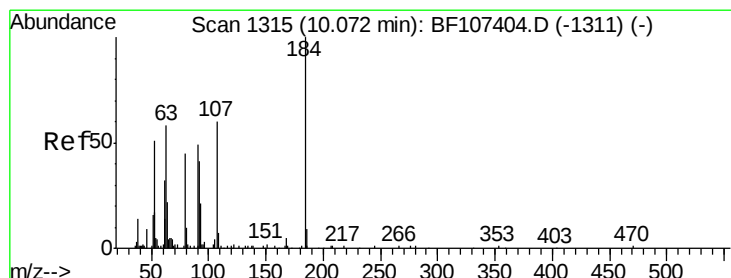
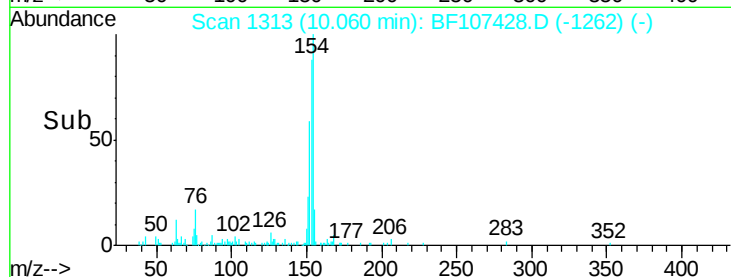
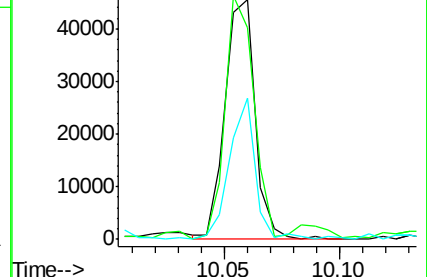
152 58.6 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 2.500 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

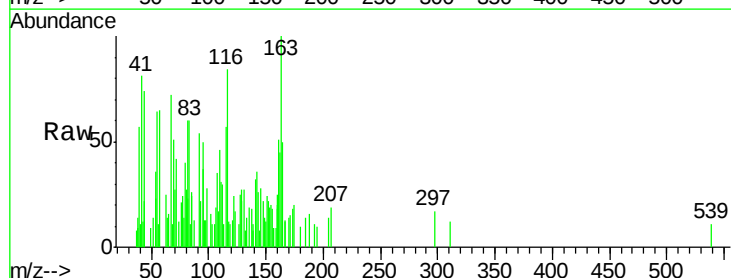
Tgt Ion:184 Resp: 186

Ion Ratio Lower Upper

184 100

63 286.6 54.2 81.2#

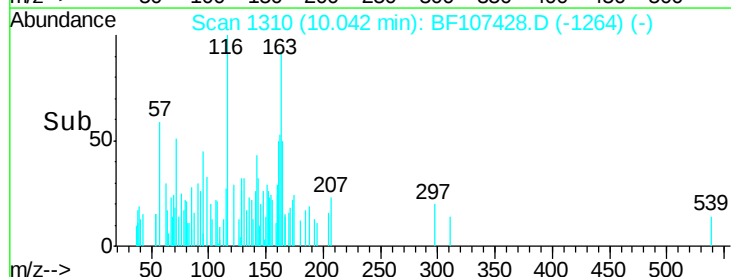
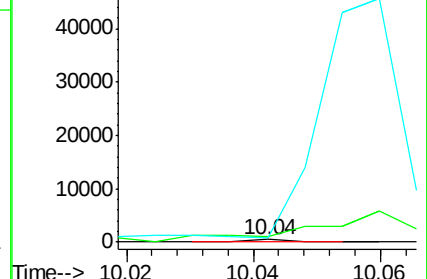
154 141.9 184.0 276.0#

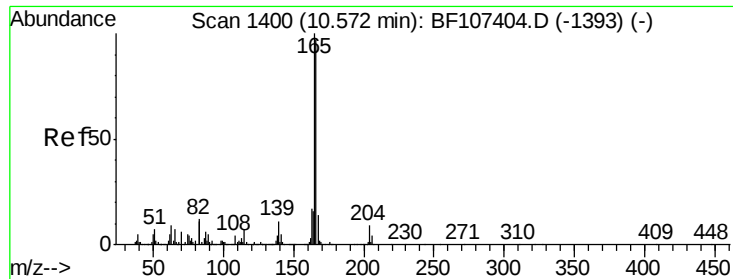


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

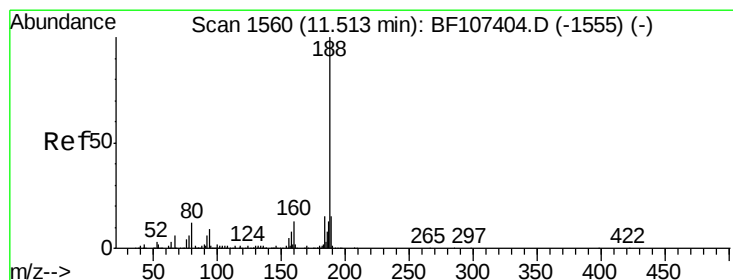
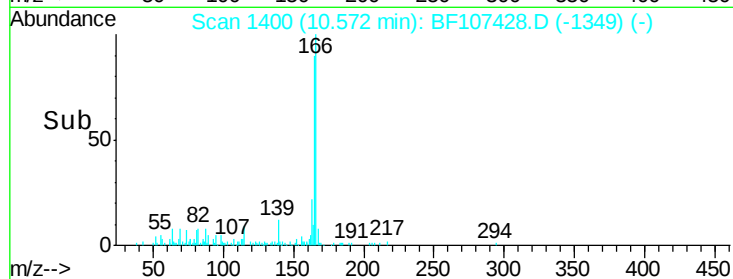
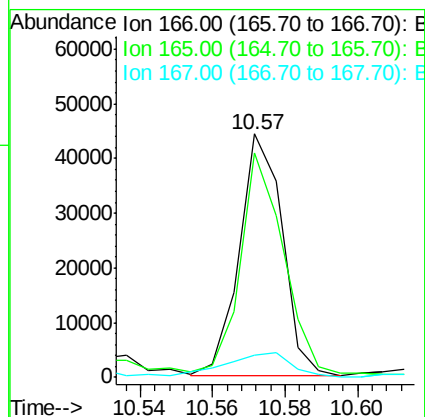
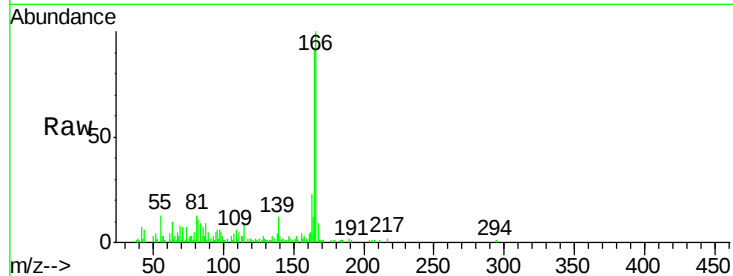




#57
 Fluorene
 Concen: 2.778 ng
 RT: 10.57 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BF107428.D
 Acq: 17 Jul 2018 2:59

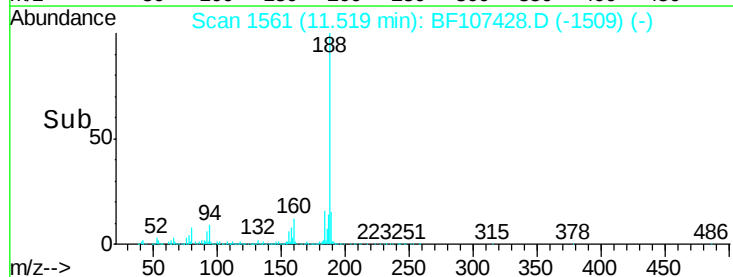
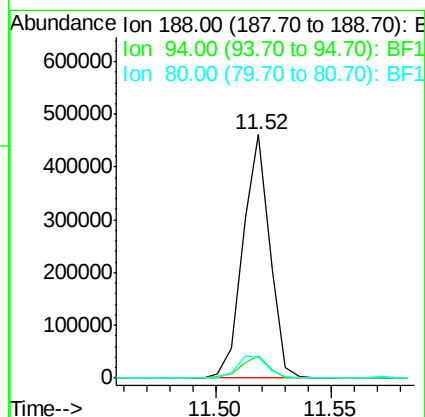
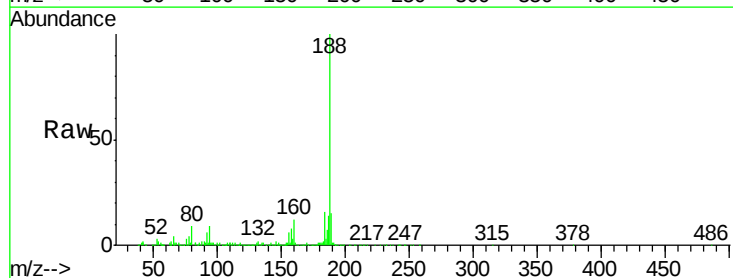
Instrument :
 BNA_F
 ClientSampleId :
 PAR-8

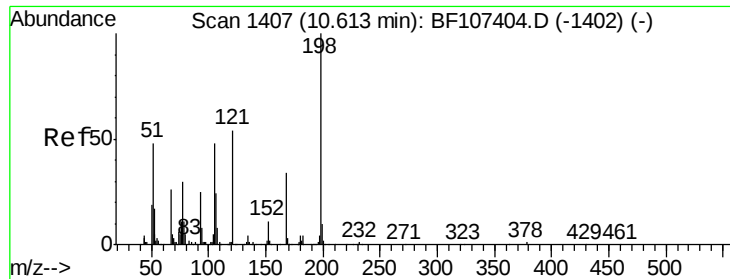
Tgt Ion:166 Resp: 36363
 Ion Ratio Lower Upper
 166 100
 165 92.2 79.8 119.8
 167 9.1 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF107428.D
 Acq: 17 Jul 2018 2:59

Tgt Ion:188 Resp: 374624
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.5 12.7
 80 8.6 9.2 13.8#

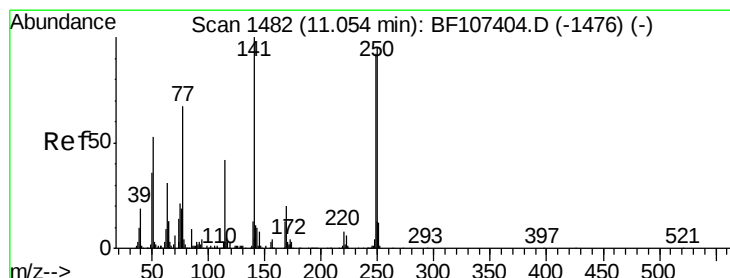
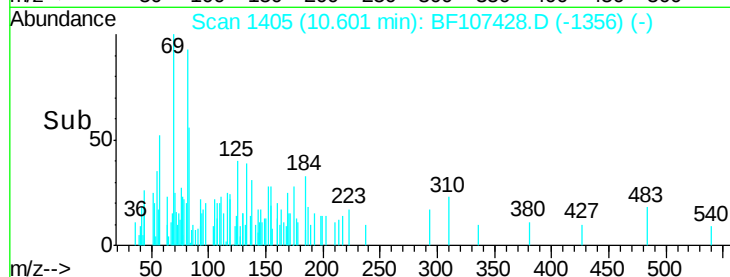
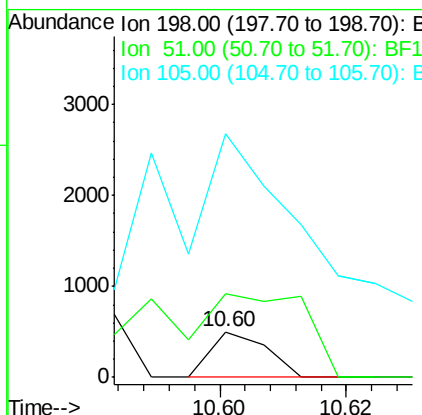
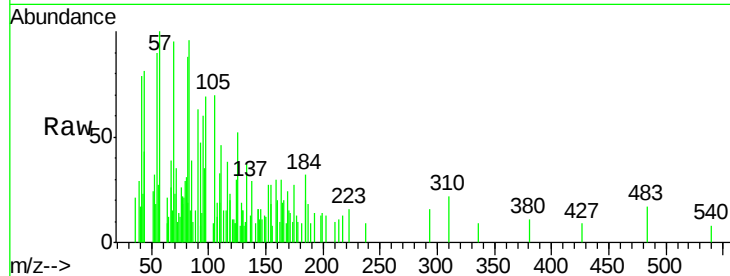




#64
4,6-Dinitro-2-methylphenol
Concen: 7.617 ng
RT: 10.60 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

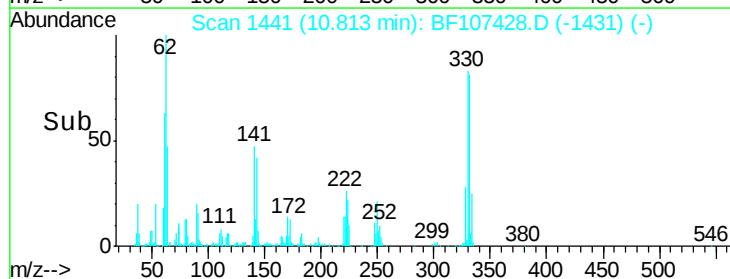
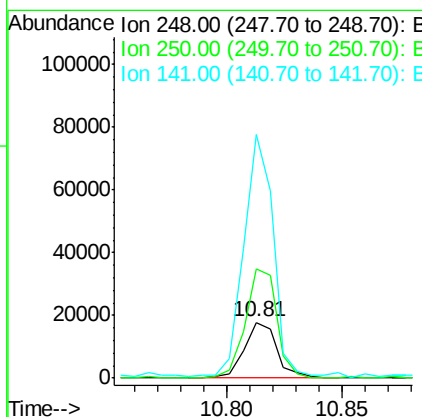
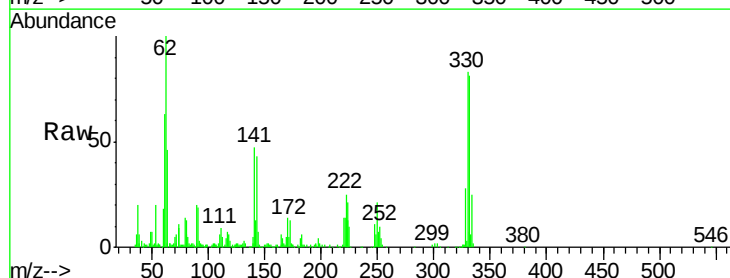
Instrument :
BNA_F
ClientSampleId :
PAR-8

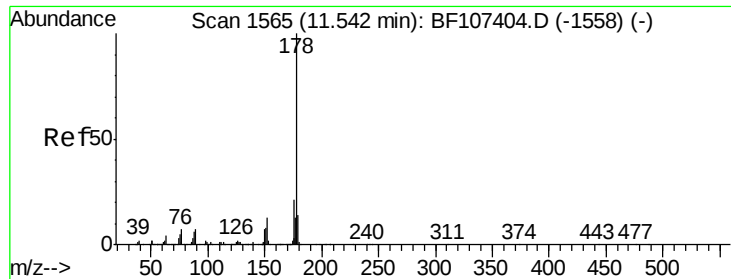
Tgt Ion:198 Resp: 303
Ion Ratio Lower Upper
198 100
51 184.8 37.7 77.7#
105 535.4 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 4.156 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.24 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Tgt Ion:248 Resp: 17813
Ion Ratio Lower Upper
248 100
250 195.0 76.9 115.3#
141 437.1 74.4 111.6#





#70

Phenanthrene

Concen: 18.454 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

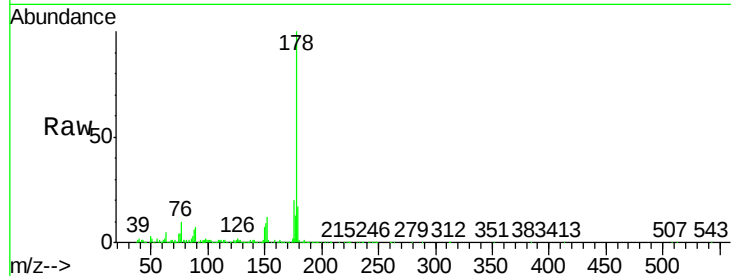
Tgt Ion:178 Resp: 344532

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

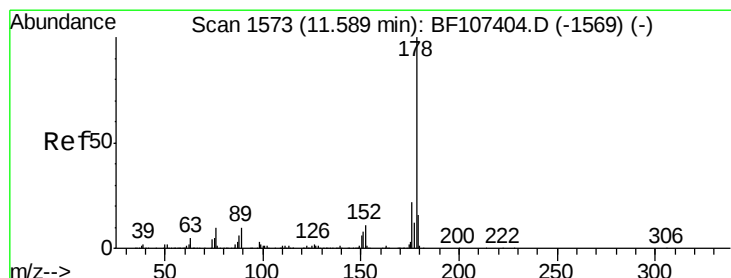
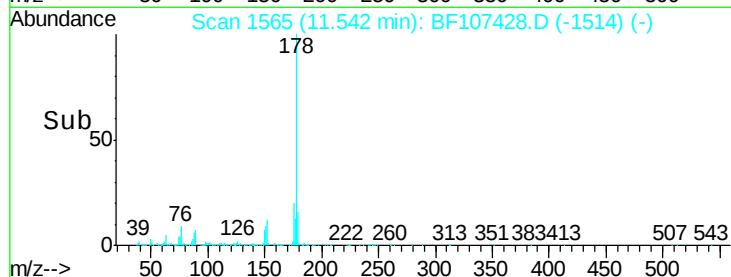
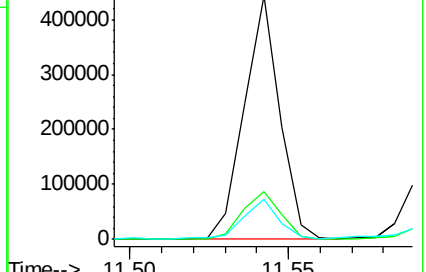
179 16.6 13.0 19.6



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



#71

Anthracene

Concen: 4.969 ng

RT: 11.59 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

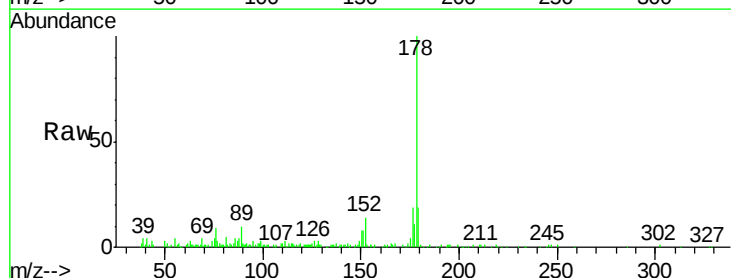
Tgt Ion:178 Resp: 92409

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

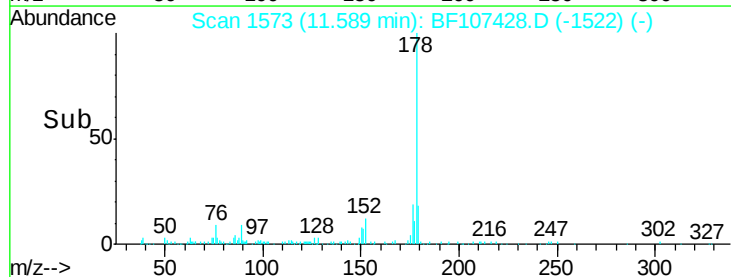
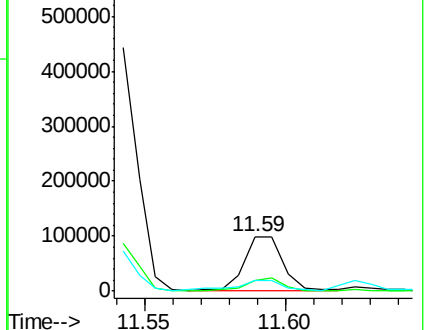
179 18.9 12.6 19.0

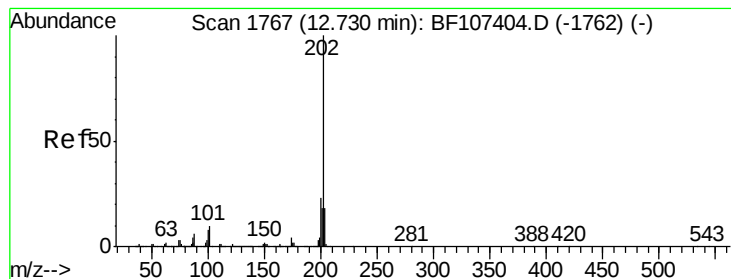


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 29.982 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

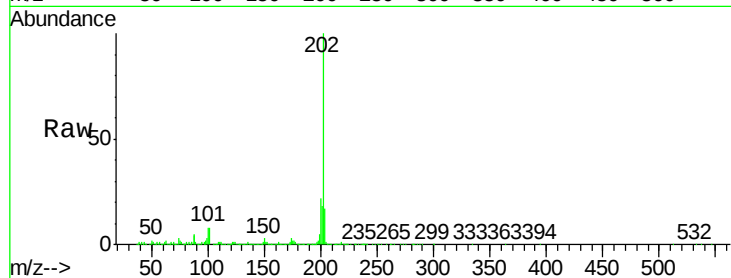
Instrument :

BNA_F

ClientSampleId :

PAR-8

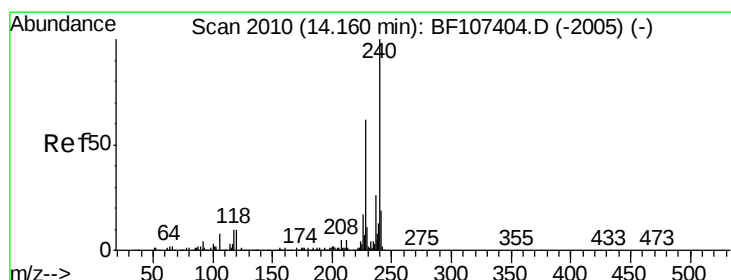
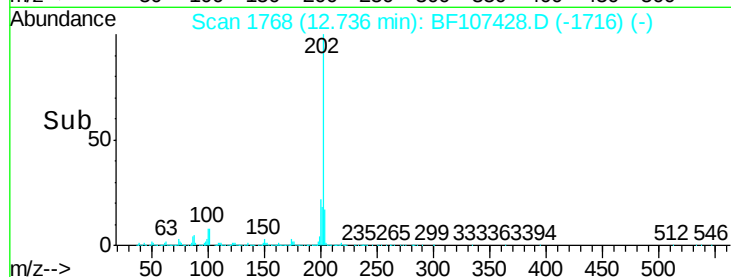
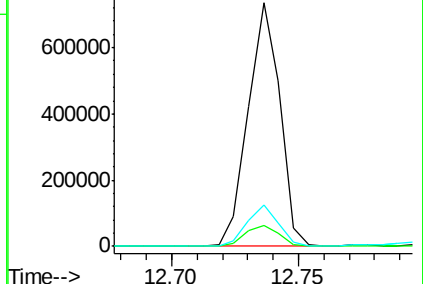
Tgt Ion:	202	Resp:	636207
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	34.1
203	16.9	0.0	38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

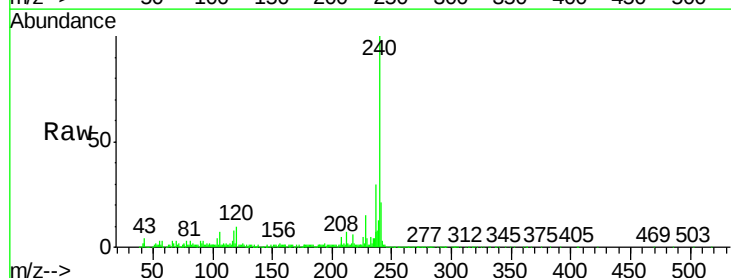
RT: 14.17 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

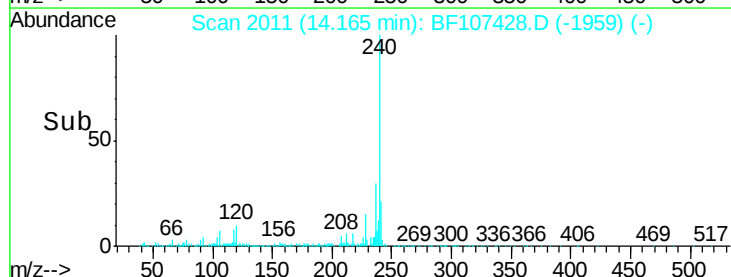
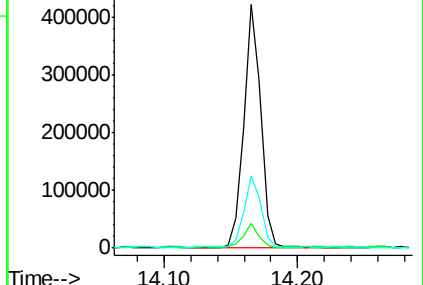
Tgt Ion:	240	Resp:	369991
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	29.7	20.7	31.1

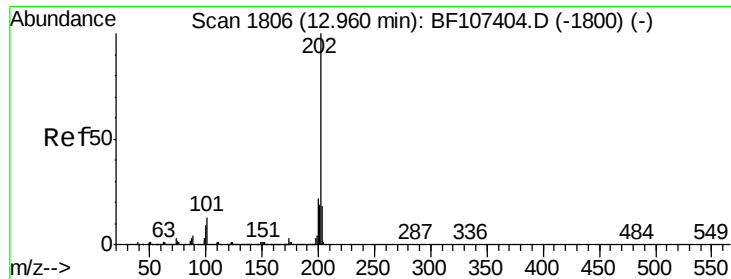


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

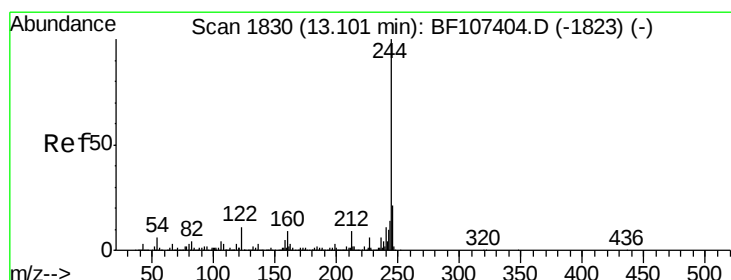
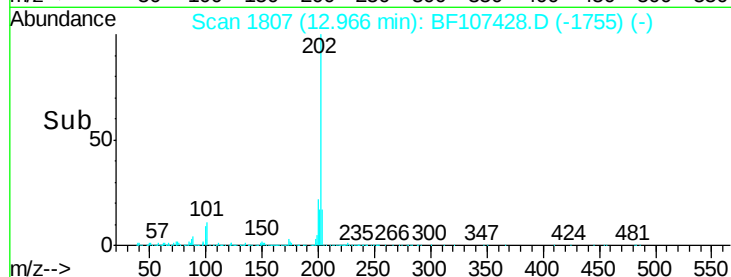
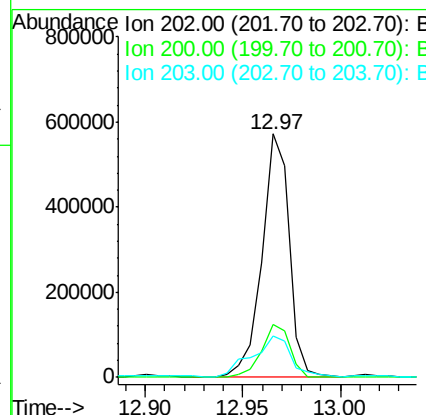
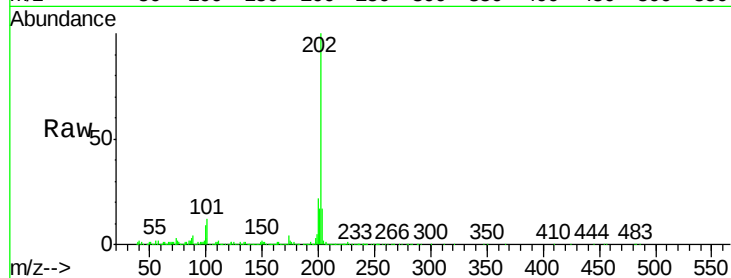




#77
 Pyrene
 Concen: 22.005 ng
 RT: 12.97 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: BF107428.D
 Acq: 17 Jul 2018 2:59

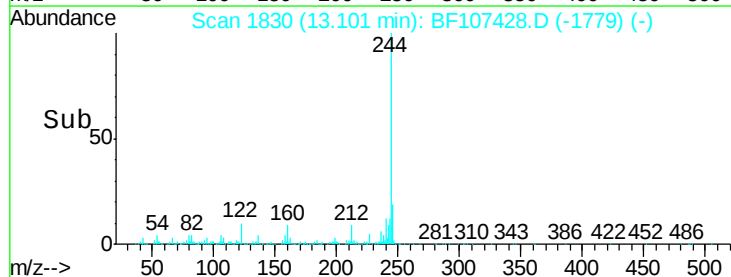
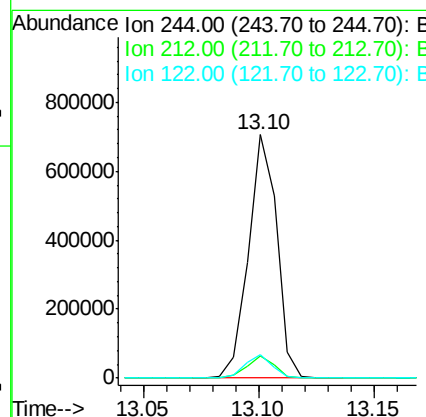
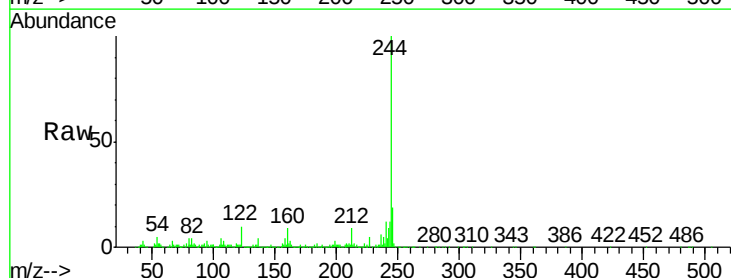
Instrument :
 BNA_F
 ClientSampleId :
 PAR-8

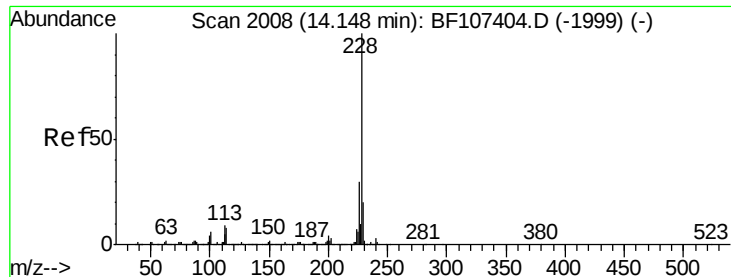
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 40.821 ng
 RT: 13.10 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BF107428.D
 Acq: 17 Jul 2018 2:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	5.4	8.0#
122	9.9	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 12.083 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

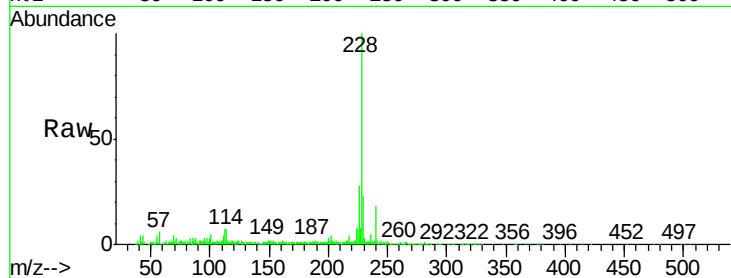
Tgt Ion:228 Resp: 273545

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

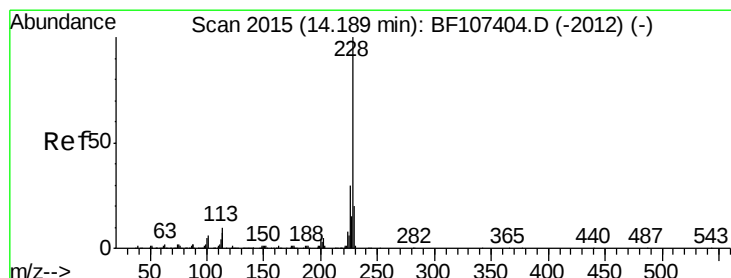
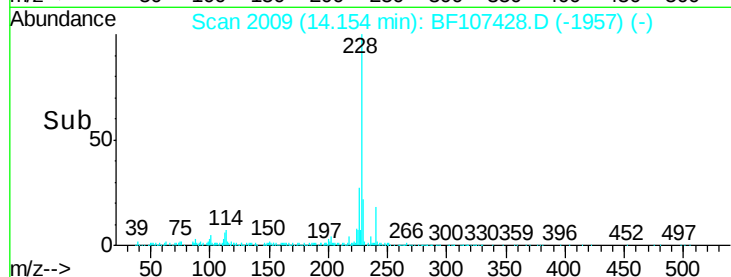
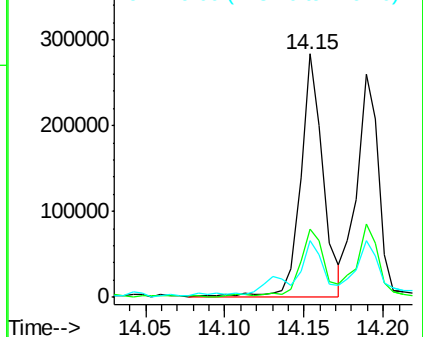
229 23.2 15.8 23.6



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



#82

Chrysene

Concen: 12.649 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

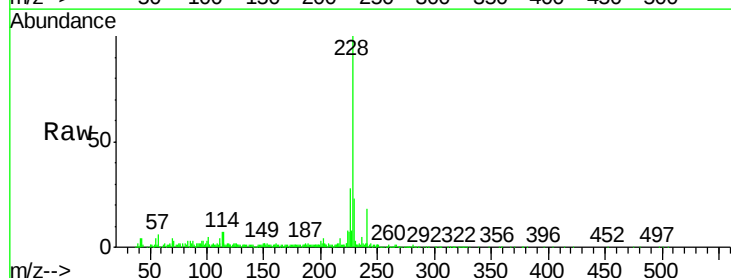
Tgt Ion:228 Resp: 273545

Ion Ratio Lower Upper

228 100

226 27.9 25.0 37.6

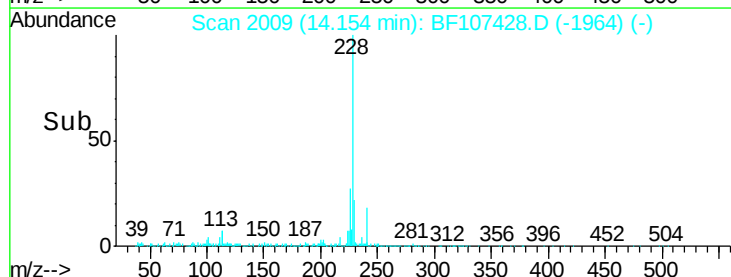
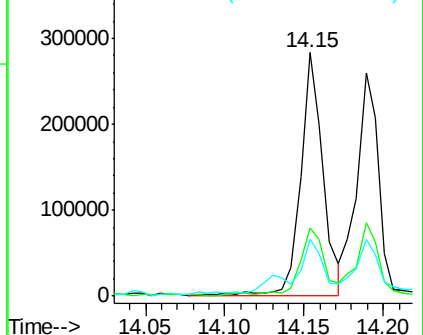
229 23.2 16.2 24.4

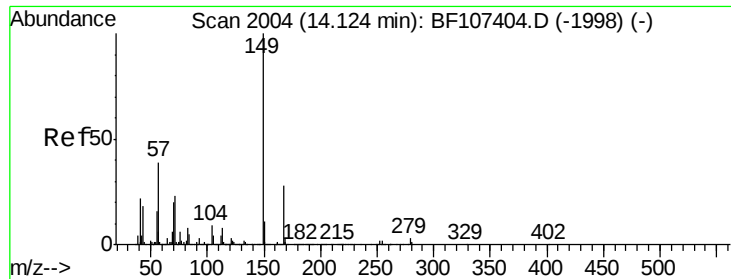


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.122 ng

RT: 14.13 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

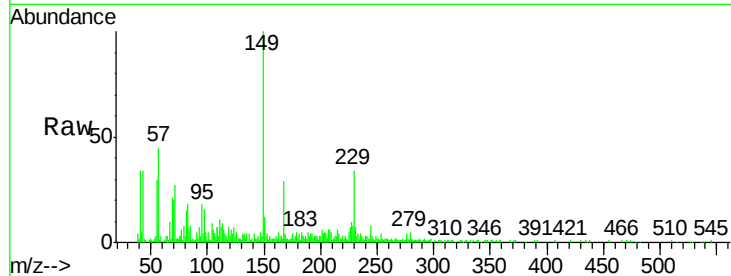
Tgt Ion:149 Resp: 67271

Ion Ratio Lower Upper

149 100

167 28.9 21.3 31.9

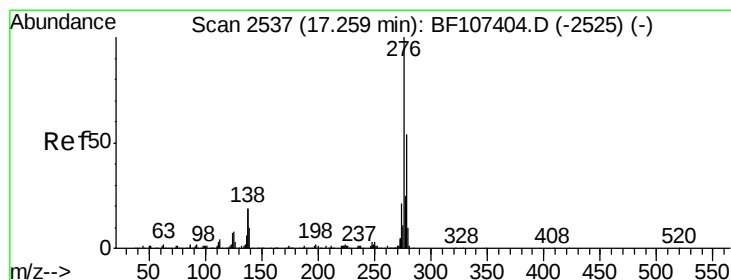
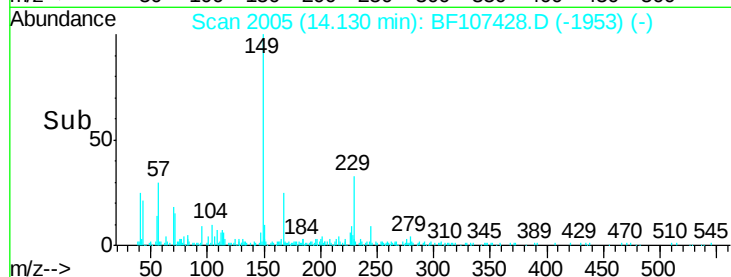
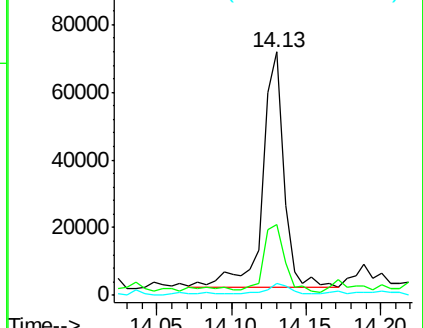
279 4.9 3.0 4.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.071 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.00 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

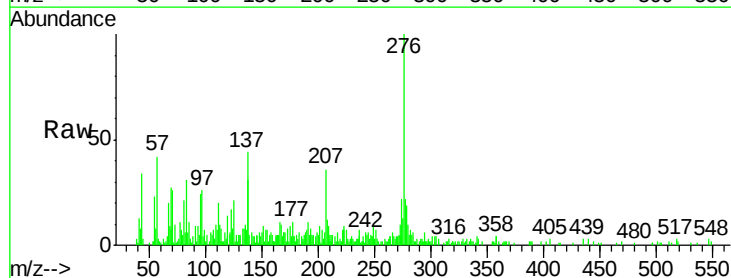
Tgt Ion:276 Resp: 62658

Ion Ratio Lower Upper

276 100

138 34.5 25.0 37.6

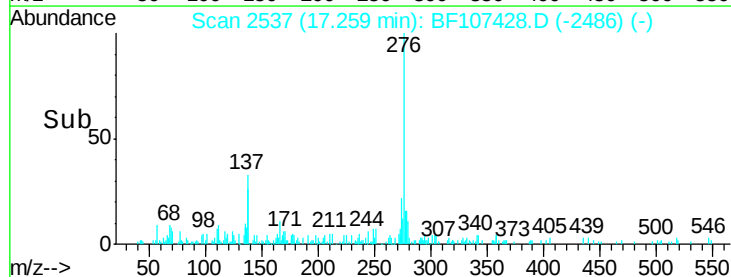
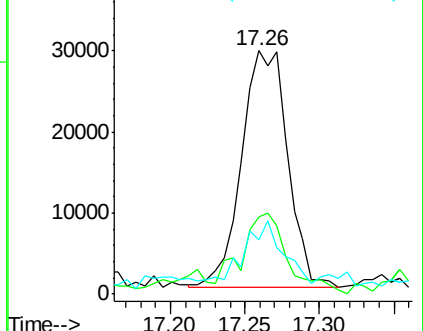
277 23.6 20.1 30.1

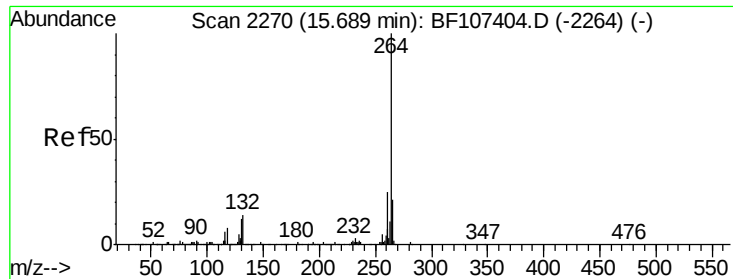


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.70 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

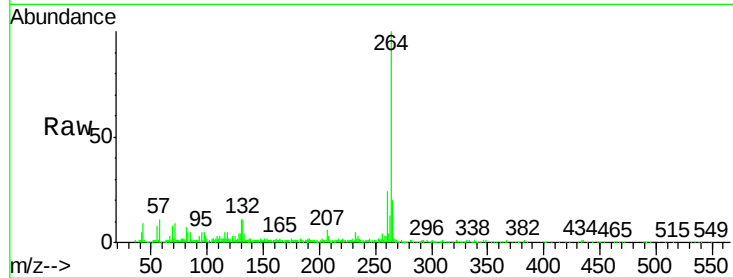
Tgt Ion:264 Resp: 250451

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

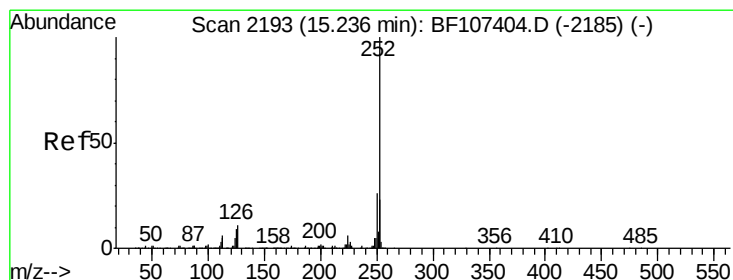
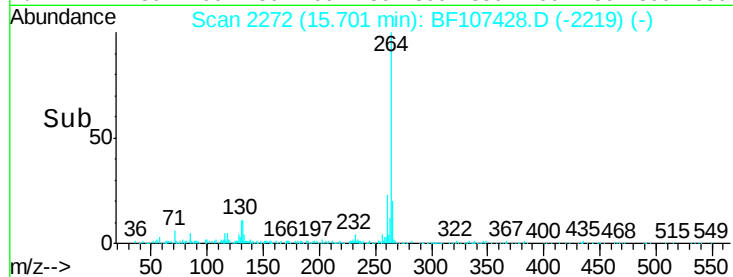
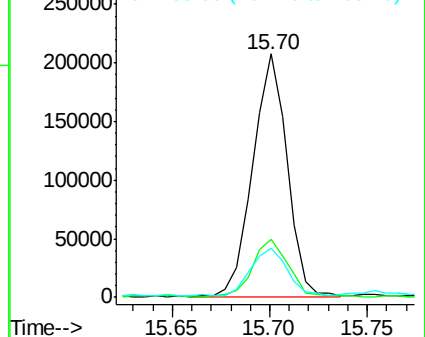
265 20.3 17.5 26.3



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: 18.519 ng

RT: 15.24 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

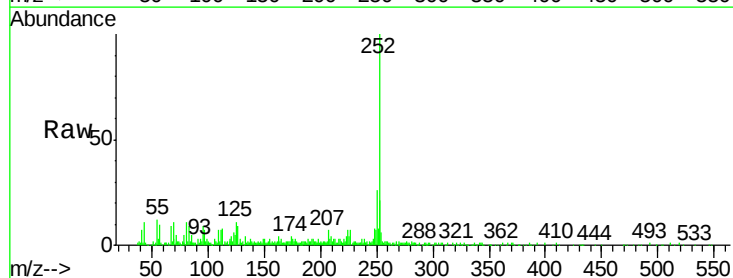
Tgt Ion:252 Resp: 271482

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.6

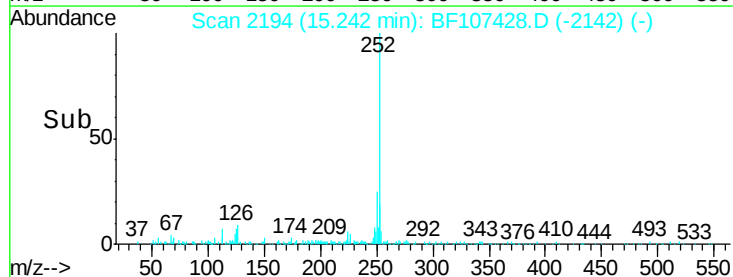
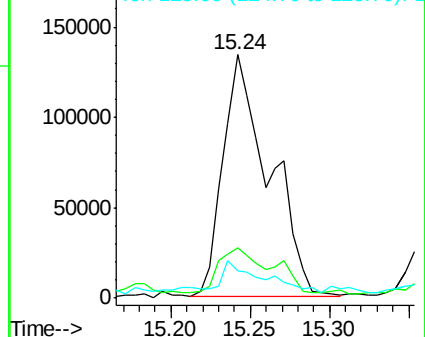
125 11.0 9.0 13.6

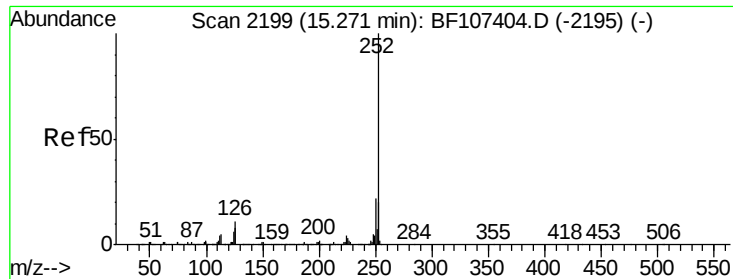


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

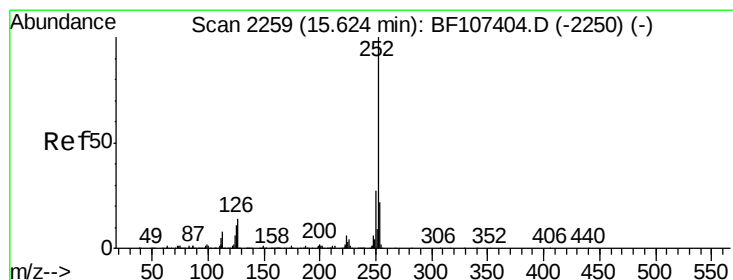
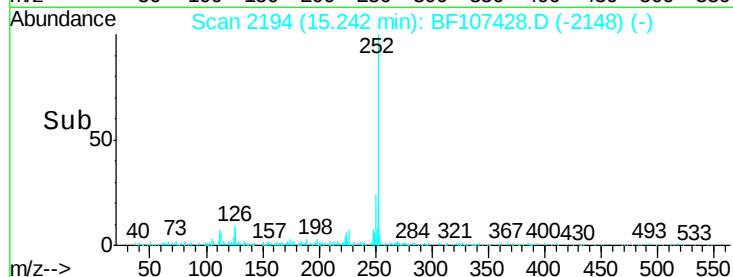
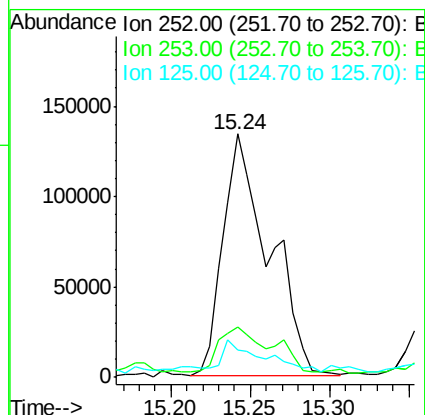
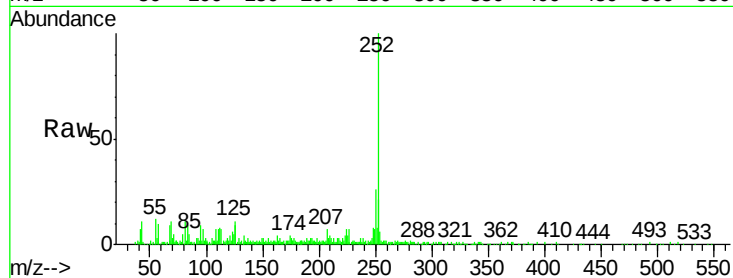




#88
Benzo(k)fluoranthene
Concen: 18.977 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

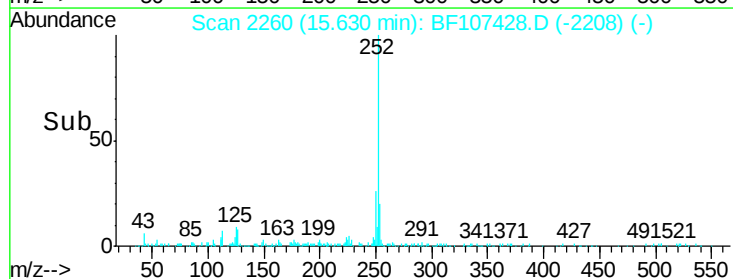
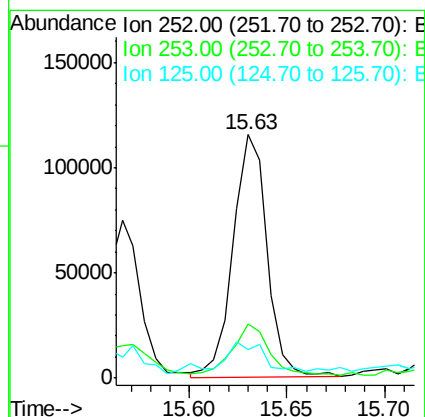
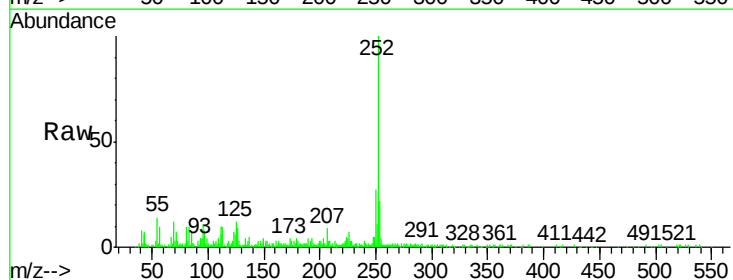
Instrument :
BNA_F
ClientSampleId :
PAR-8

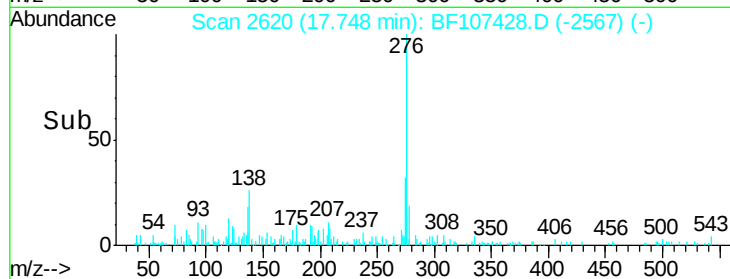
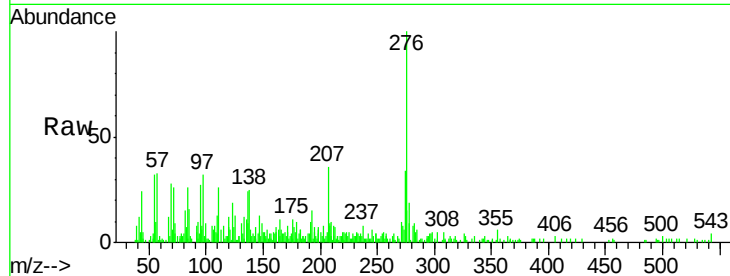
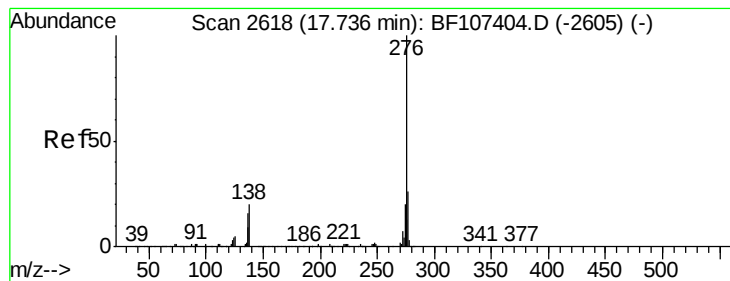
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.9	26.9
125	11.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.335 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107428.D
Acq: 17 Jul 2018 2:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.8	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 5.934 ng

RT: 17.75 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BF107428.D

Acq: 17 Jul 2018 2:59

Instrument :

BNA_F

ClientSampleId :

PAR-8

Tgt Ion: 276 Resp: 61228

Ion Ratio Lower Upper

276 100

277 19.1 17.9 26.9

138 25.4 21.8 32.8

