

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107832.D
 Acq On : 31 Jul 2018 6:11
 Operator : JU/SJ
 Sample : J4184-01DL 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 06:43:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	143039	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	639237	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	242843	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	419354	20.00	ng	0.00
75) Chrysene-d12	14.15	240	440901	20.00	ng	0.00
86) Perylene-d12	15.68	264	359053	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	31377	3.73	ng	0.02
7) Phenol-d6	6.65	99	22778	2.05	ng	0.04
23) Nitrobenzene-d5	7.54	82	92421	8.33	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	41599	12.61	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	270150	15.50	ng	0.00
78) Terphenyl-d14	13.08	244	229386	11.28	ng	0.00

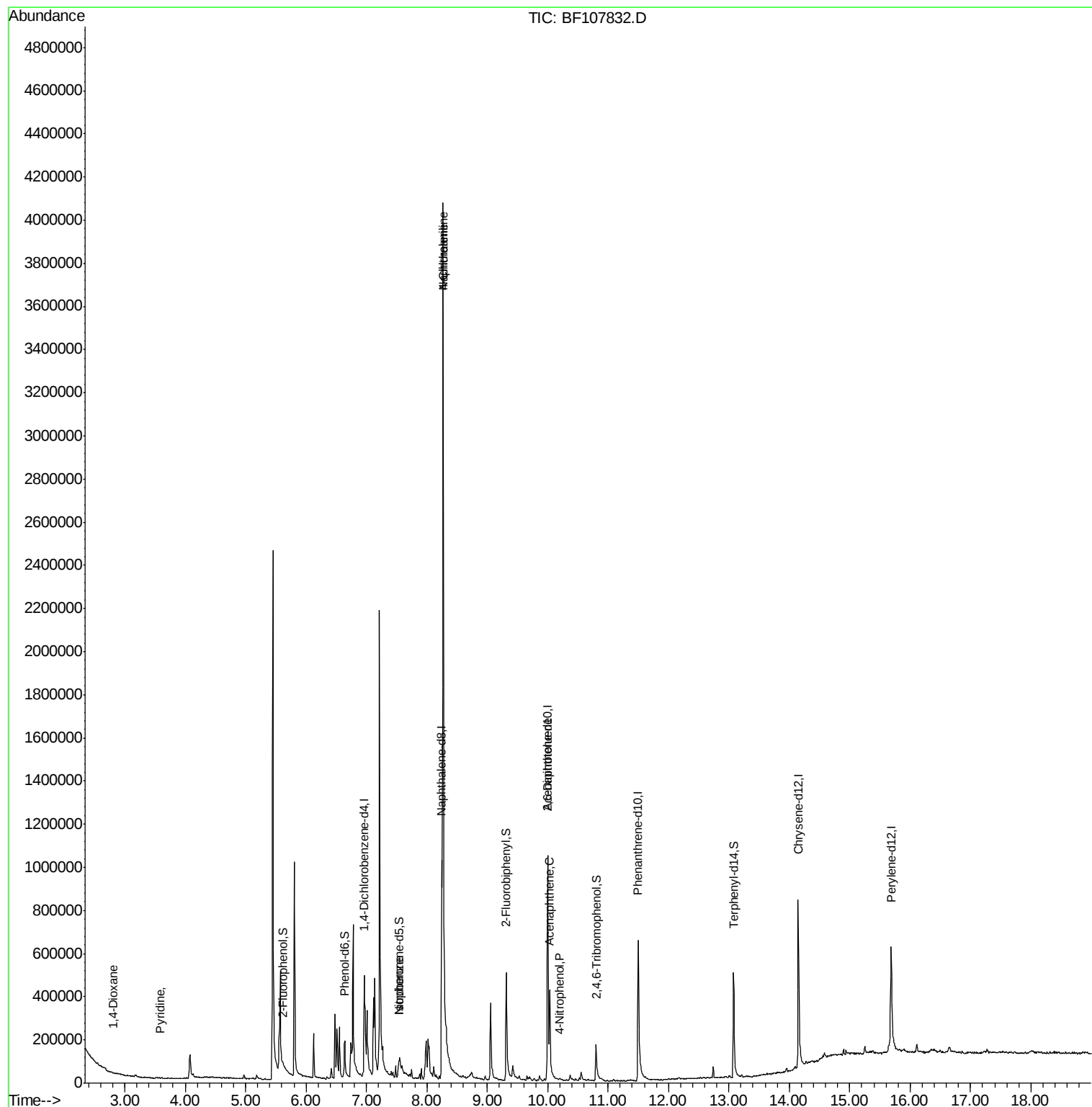
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	177	5.833	ng	# 1
3) Pyridine	3.59	79	135	6.266	ng	# 1
25) Isophorone	7.54	82	92421	5.074	ng	# 64
31) Naphthalene	8.27	128	2568602	86.443	ng	# 98
33) 4-Chloroaniline	8.27	127	348612	27.467	ng	# 34
50) 2,6-Dinitrotoluene	10.00	165	31139	7.857	ng	# 27
51) Acenaphthene	10.04	154	115372	7.687	ng	# 99
55) 4-Nitrophenol	10.21	139	141	9.365	ng	# 33

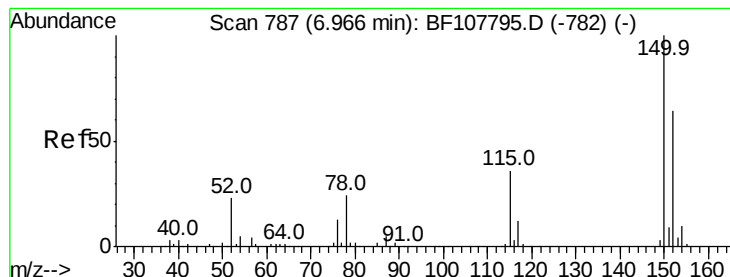
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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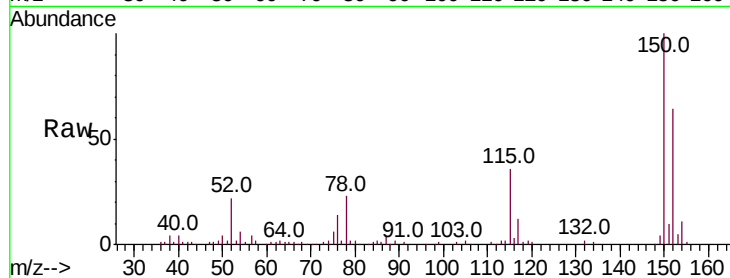


#1

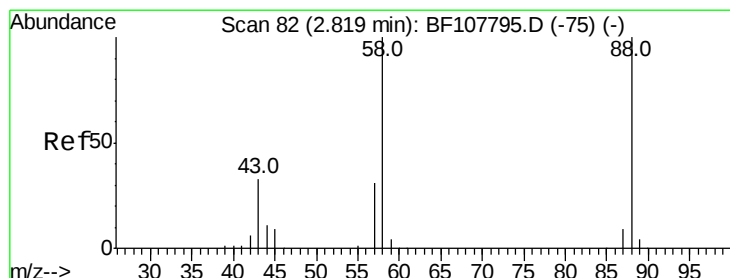
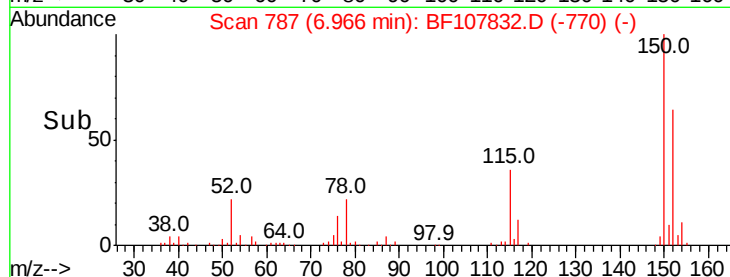
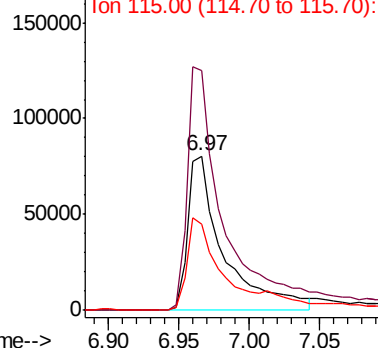
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143039
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 56.3 50.1 75.1



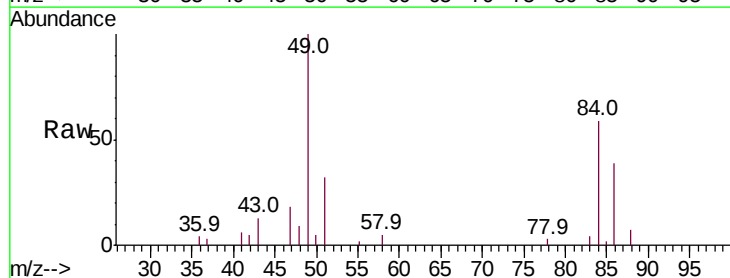
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



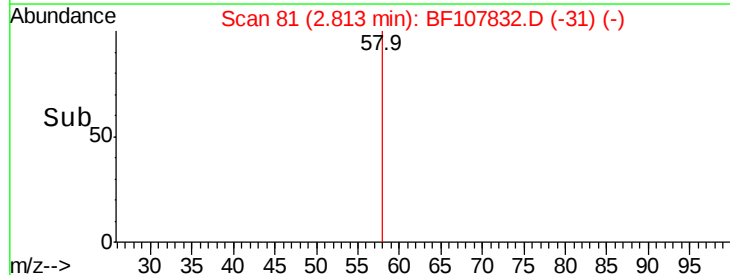
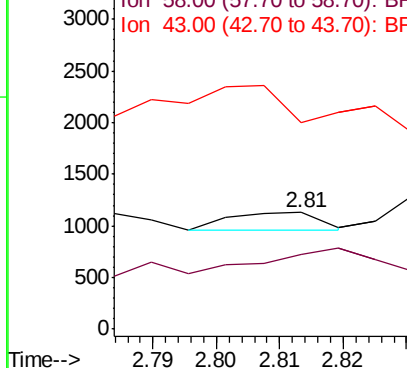
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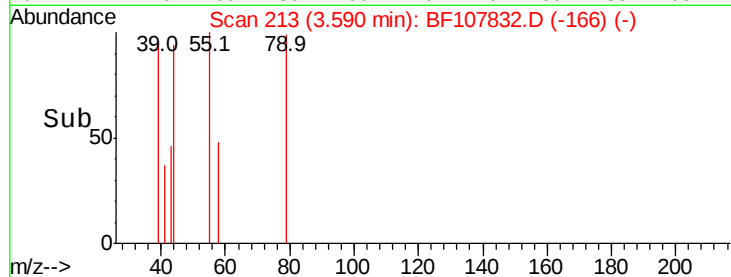
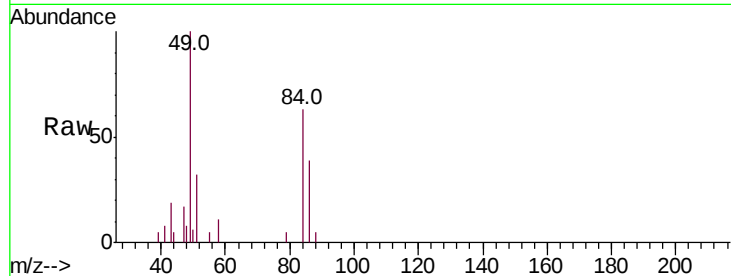
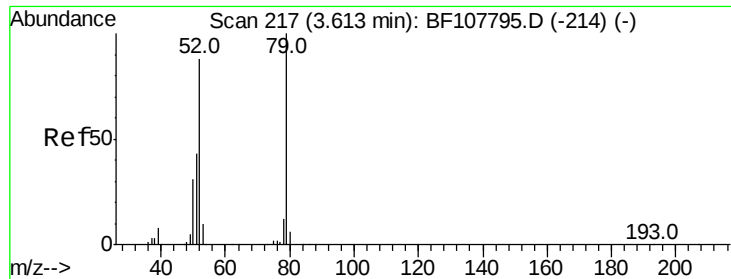
1,4-Dioxane
Concen: 5.833 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Tgt Ion: 88 Resp: 177
Ion Ratio Lower Upper
88 100
58 156.5 62.6 93.8#
43 530.5 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

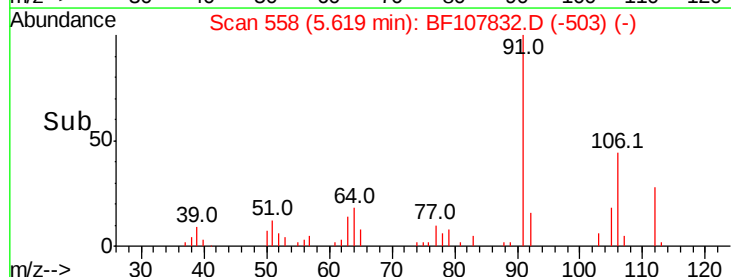
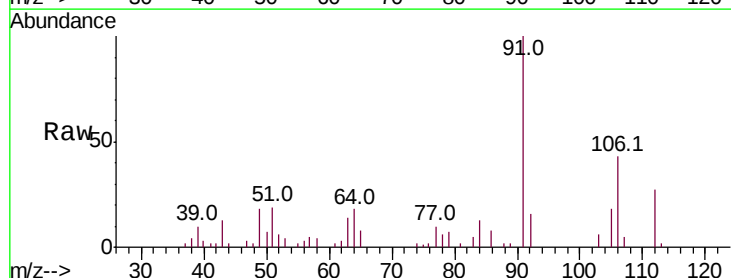
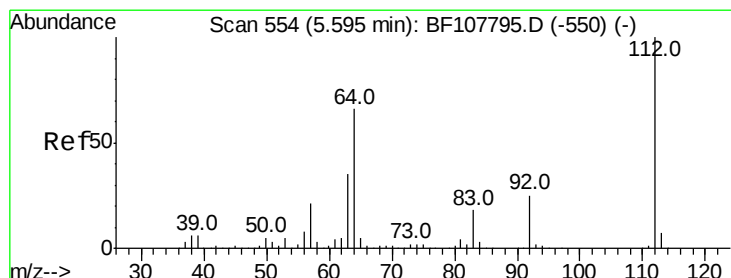
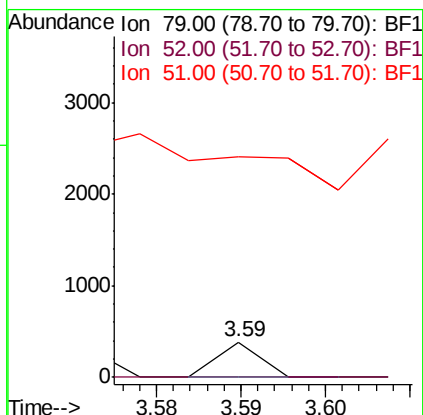




#3
Pvridine
Concen: 6.266 ng
RT: 3.59 min Scan# 213
Delta R.T. -0.02 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

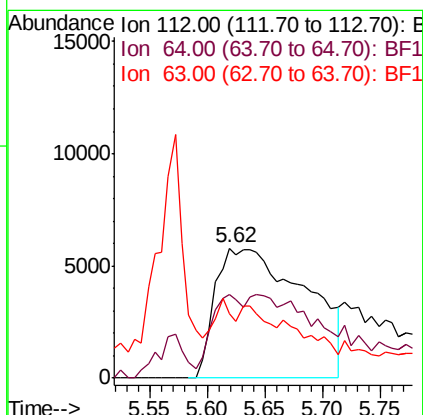
Instrument :
BNA_F
ClientSampleId :

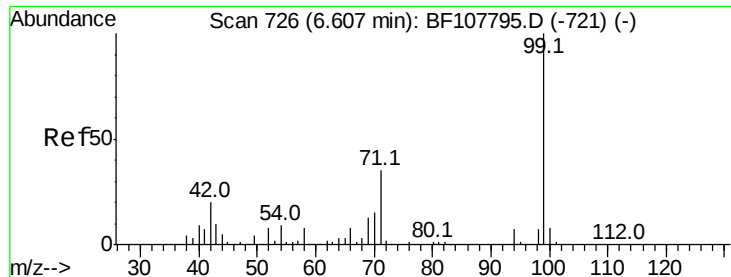
Tot Ion: 79 Resp: 135
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 631.7 29.8 44.8#



#5
2-Fluorophenol
Concen: 3.728 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Tgt Ion: 112 Resp: 31377
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 50.1 23.7 35.5#





#7

Phenol-d6

Concen: 2.054 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.04 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

Instrument :

BNA_F

ClientSampleId :

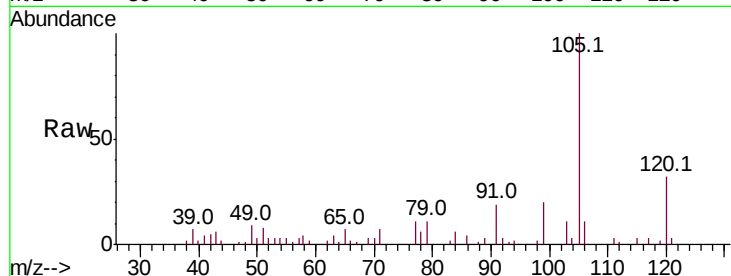
Tot Ion: 99 Resp: 22778

Ion Ratio Lower Upper

99 100

42 24.7 14.5 21.7#

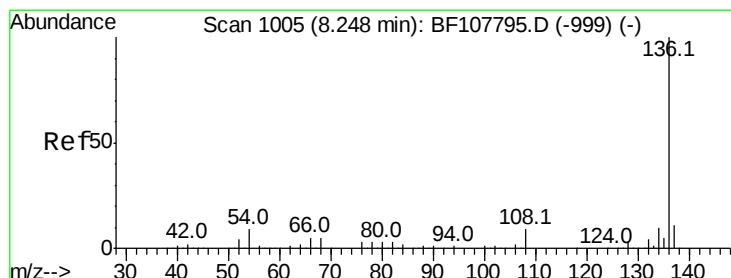
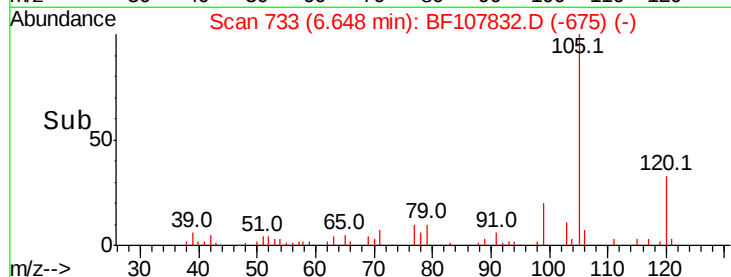
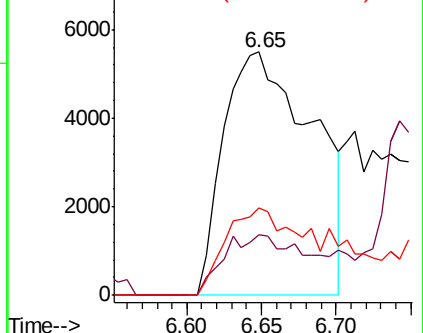
71 35.9 25.4 38.0



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: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

Tgt Ion:136 Resp: 639237

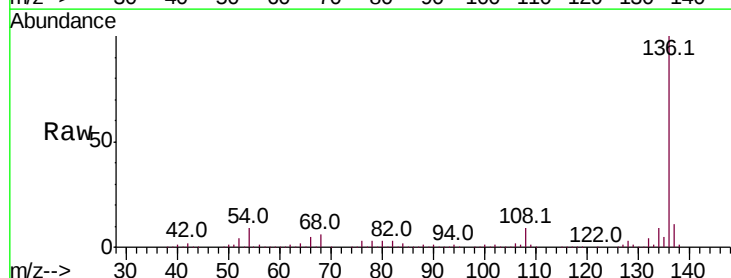
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.2 5.0 7.4

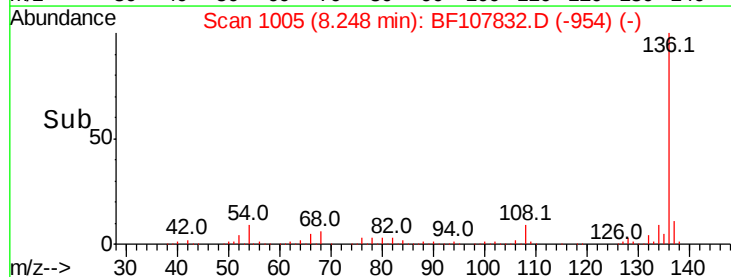
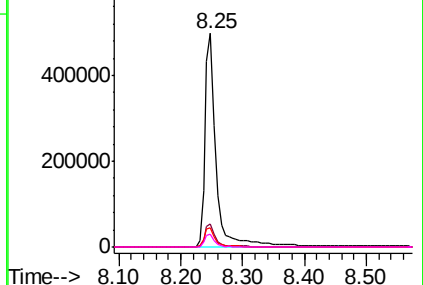


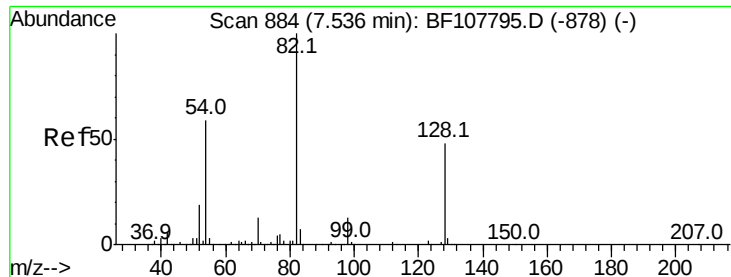
Abundance Ion 136.00 (135.70 to 136.70): E

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

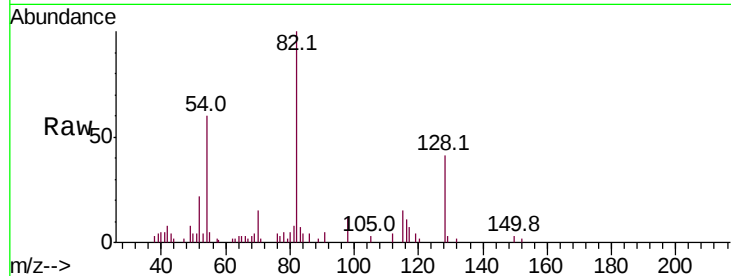




#23
 Nitrobenzene-d5
 Concen: 8.329 ng
 RT: 7.54 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BF107832.D
 Acq: 31 Jul 2018 6:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	59.5	41.4	62.2

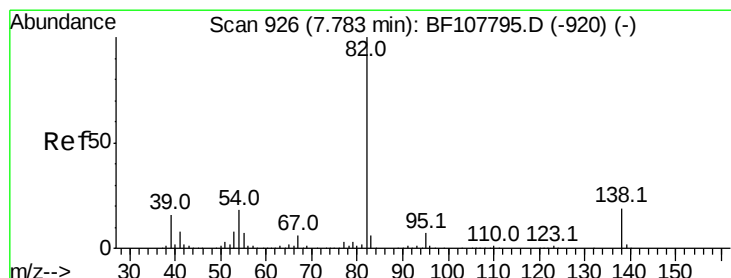
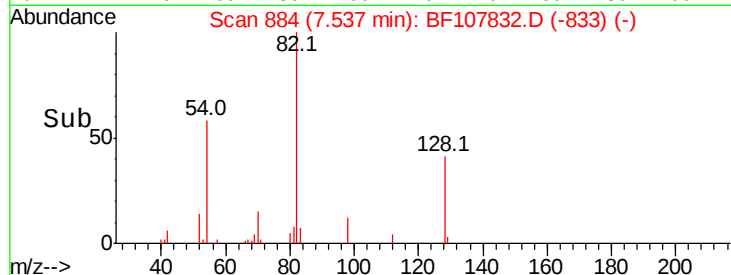
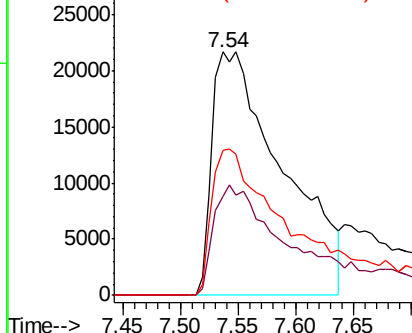


Abundance

Ion 82.00 (81.70 to 82.70): BF1

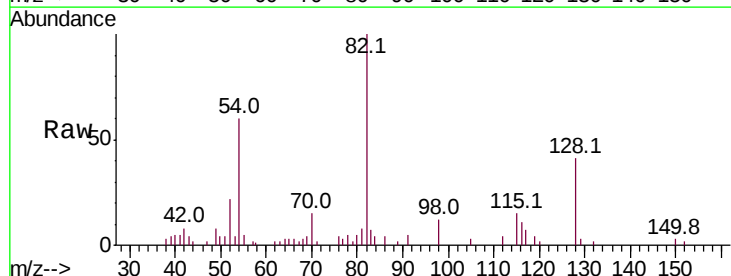
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
 Isophorone
 Concen: 5.074 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.25 min
 Lab File: BF107832.D
 Acq: 31 Jul 2018 6:11

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

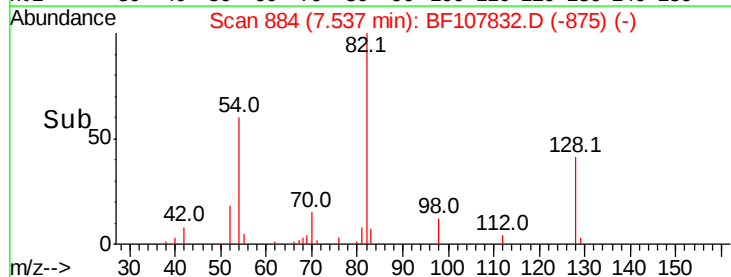
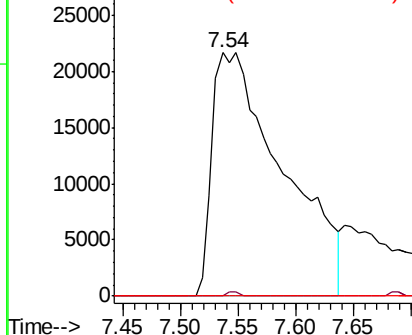


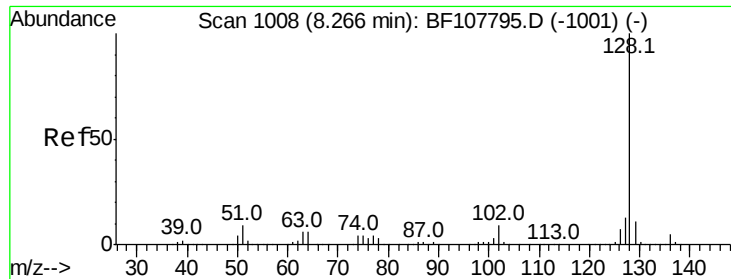
Abundance

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

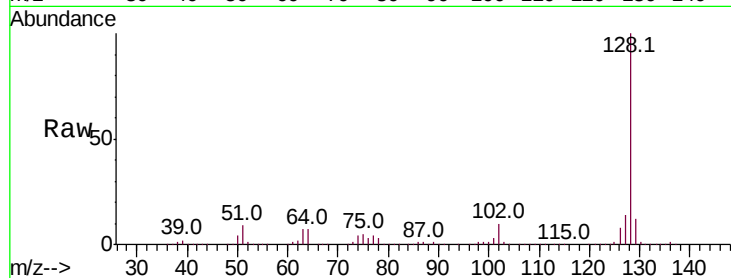




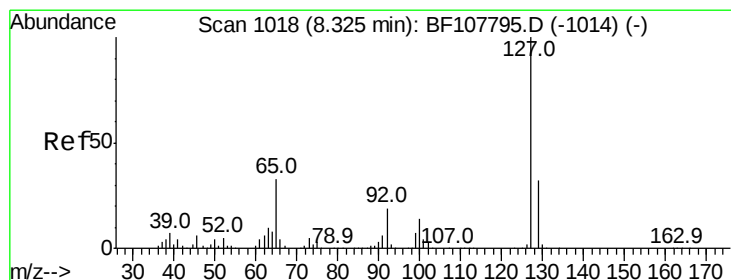
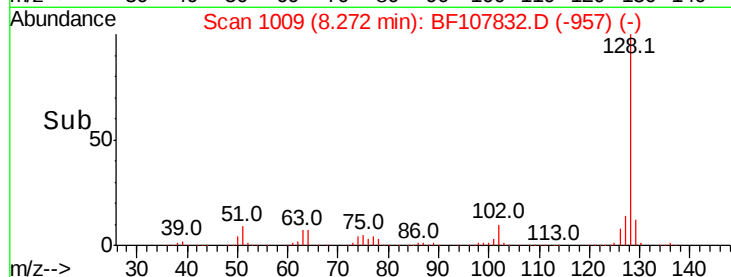
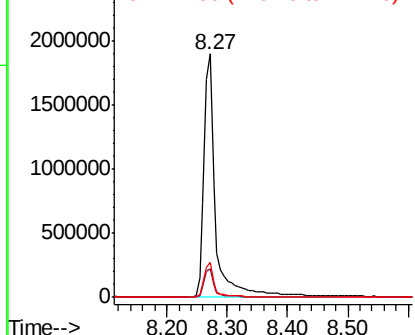
#31
Naphthalene
Concen: 86.443 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 2568602
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 14.4 10.9 16.3

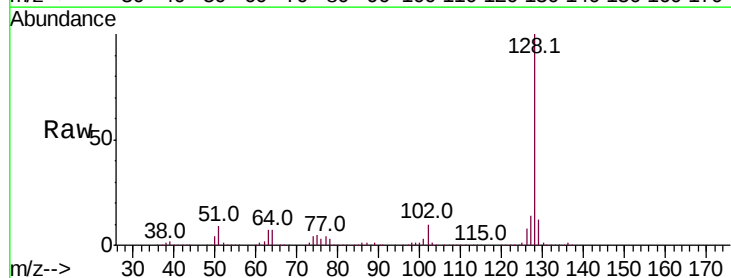


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

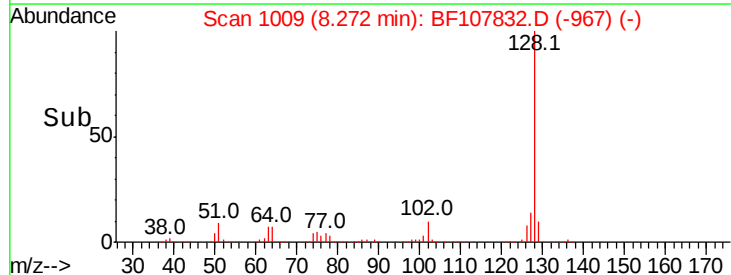
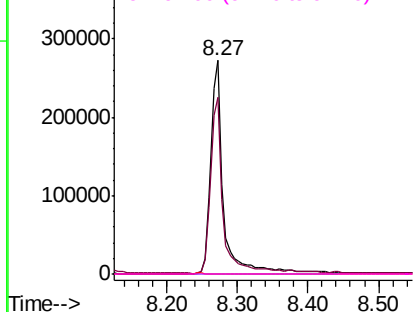


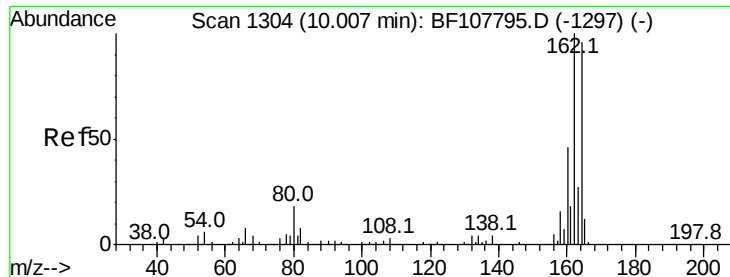
#33
4-Chloroaniline
Concen: 27.467 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Tgt Ion:127 Resp: 348612
Ion Ratio Lower Upper
127 100
129 82.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

Instrument :

BNA_F

ClientSampleId :

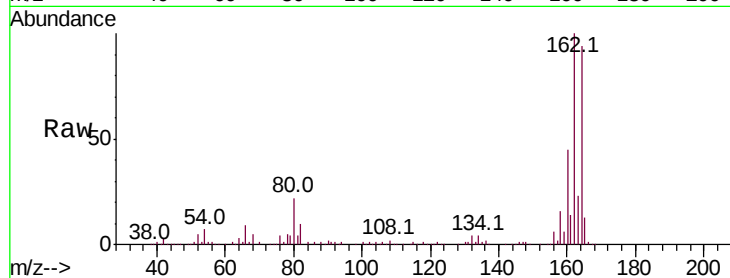
Tot Ion:164 Resp: 242843

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

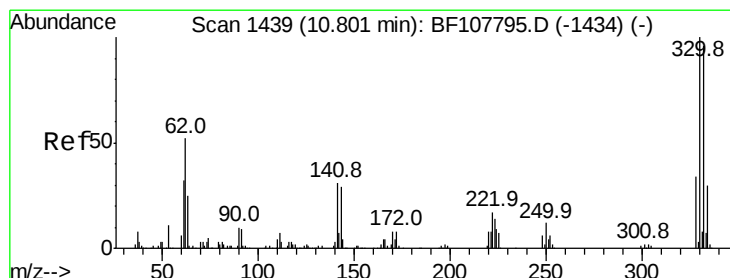
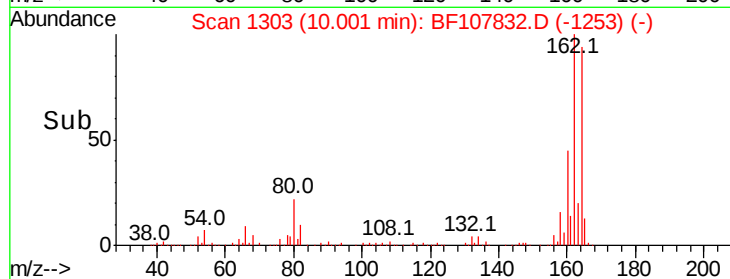
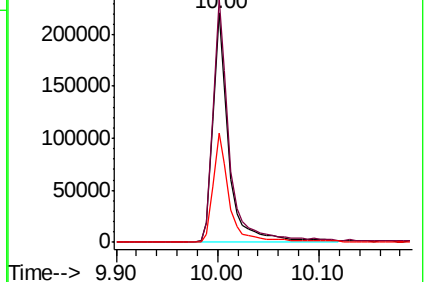
160 47.8 38.3 57.5



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: 12.607 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

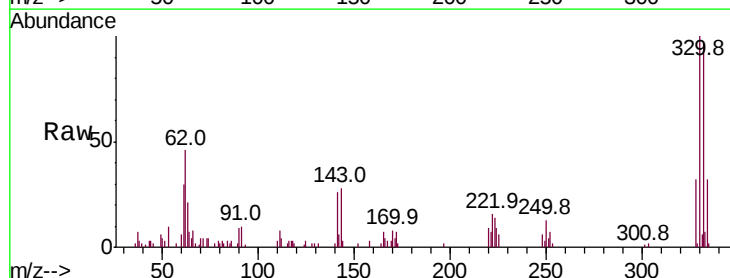
Tgt Ion:330 Resp: 41599

Ion Ratio Lower Upper

330 100

332 100.0 77.0 115.6

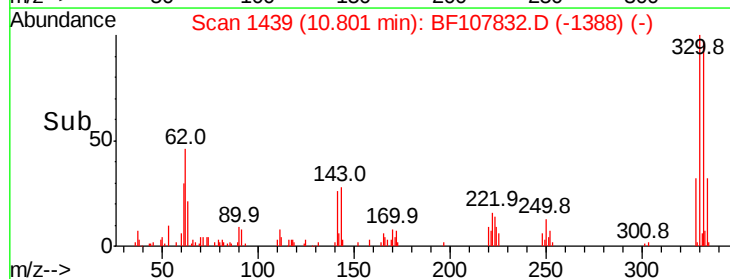
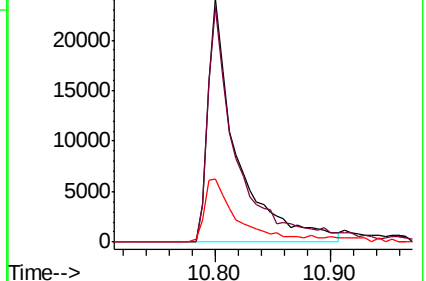
141 29.6 29.9 44.9#

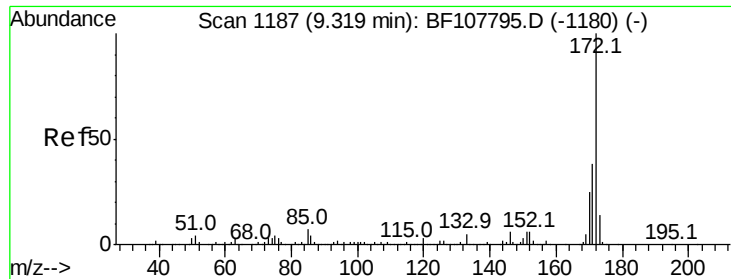


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

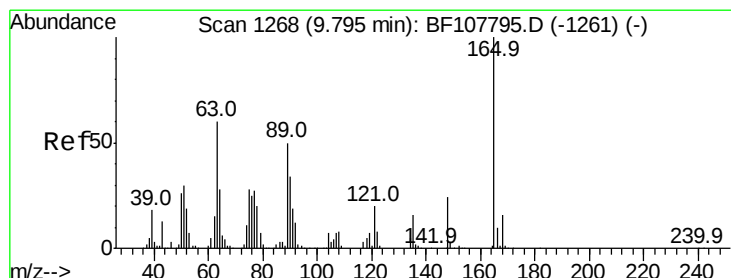
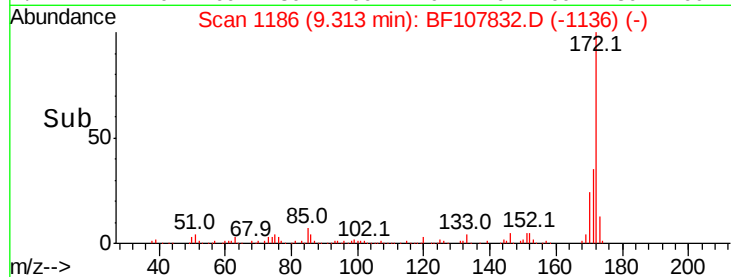
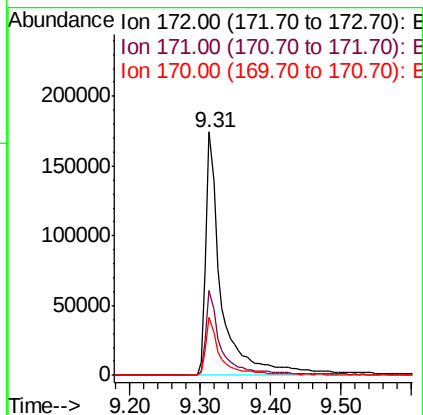
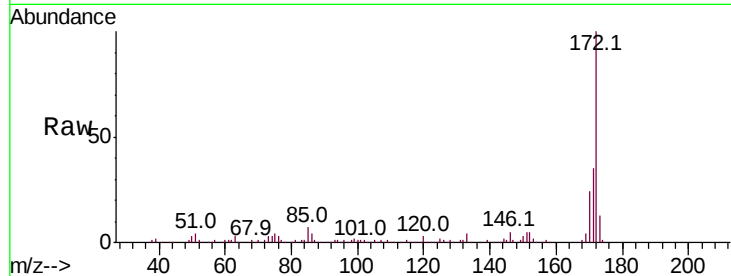




#44
2-Fluorobiphenyl
Concen: 15.502 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

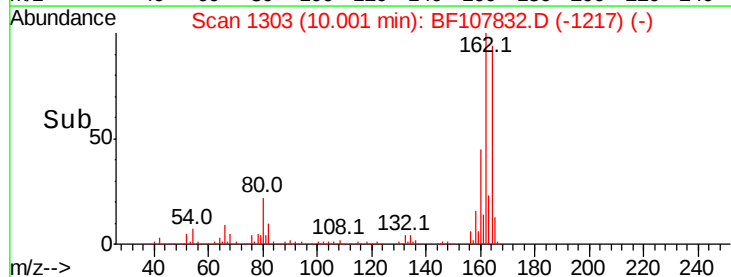
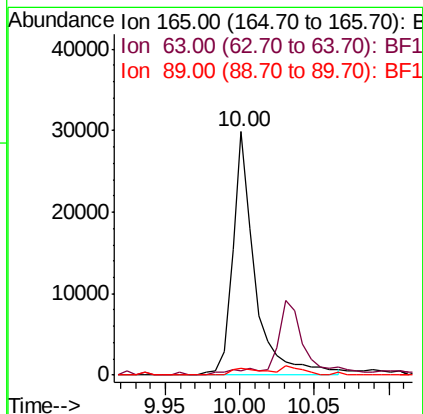
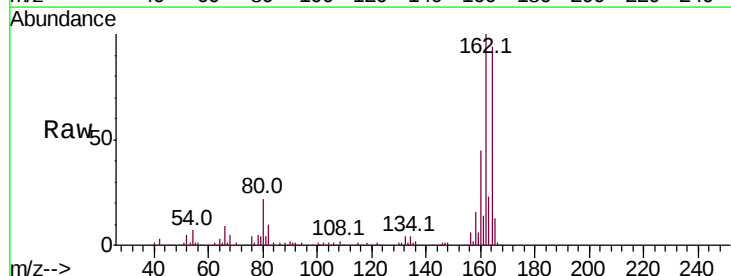
Instrument :
BNA_F
ClientSampleId :

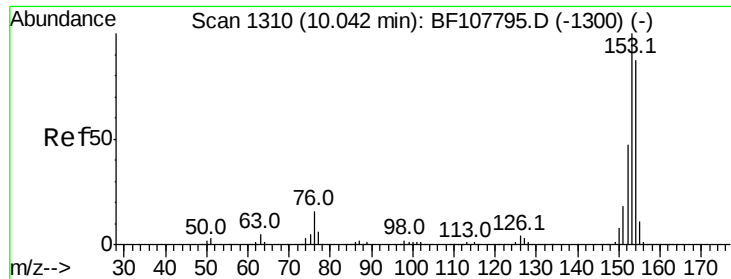
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.7	19.6	29.4



#50
2,6-Dinitrotoluene
Concen: 7.857 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.6	44.0	66.0#





#51

Acenaphthene

Concen: 7.687 ng

RT: 10.04 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

Instrument :

BNA_F

ClientSampleId :

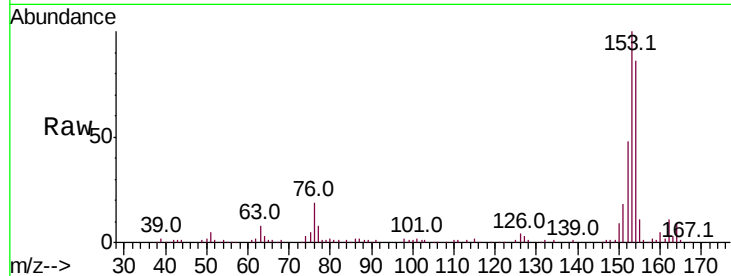
Tot Ion:154 Resp: 115372

Ion Ratio Lower Upper

154 100

153 115.6 91.2 136.8

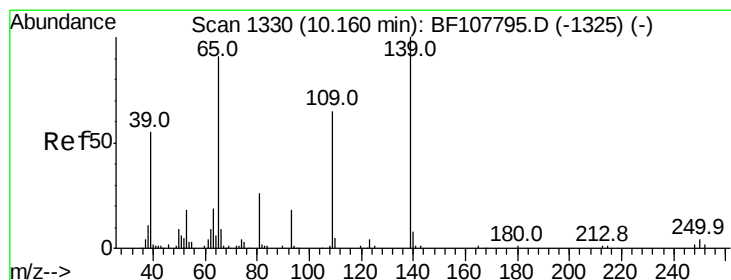
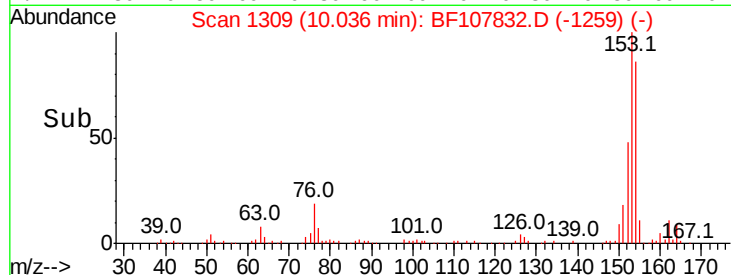
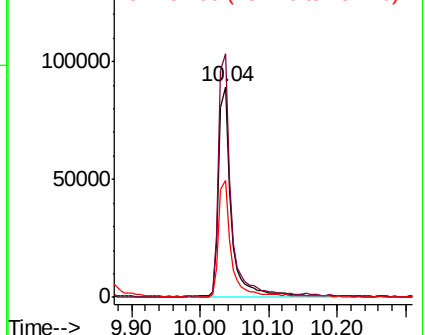
152 55.7 43.8 65.8



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



#55

4-Nitrophenol

Concen: 9.365 ng

RT: 10.21 min Scan# 1338

Delta R.T. 0.05 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

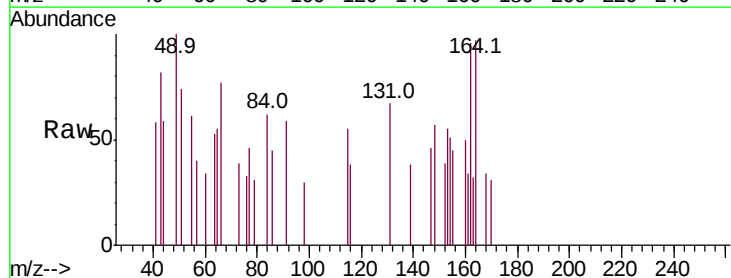
Tgt Ion:139 Resp: 141

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

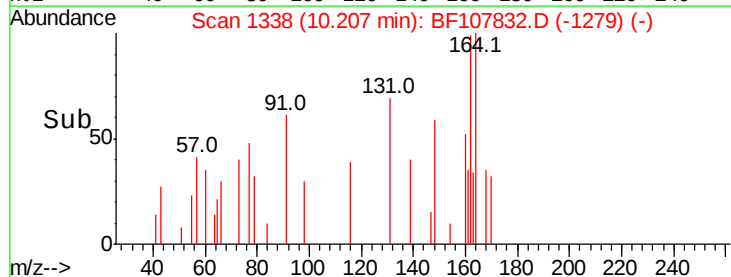
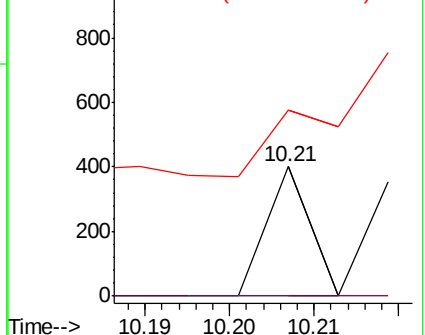
65 144.5 72.6 112.6#

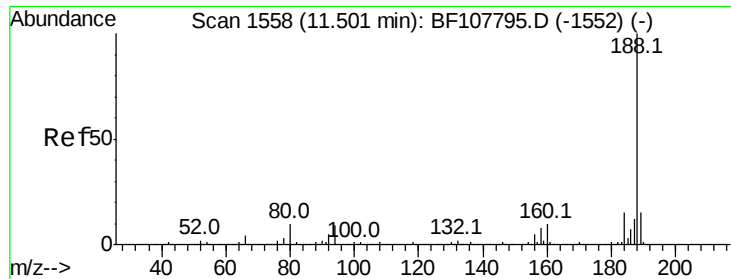


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

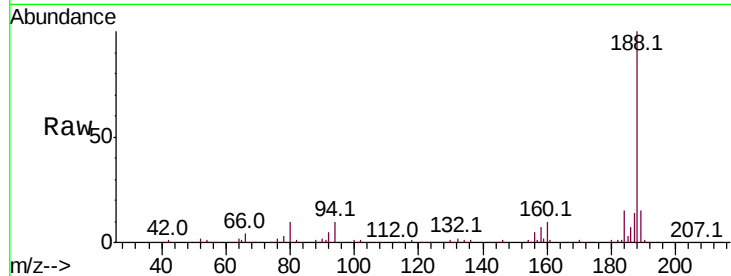




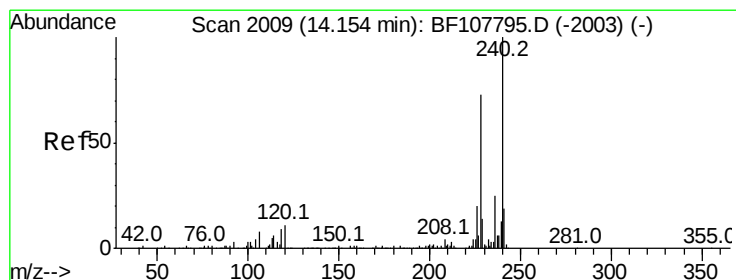
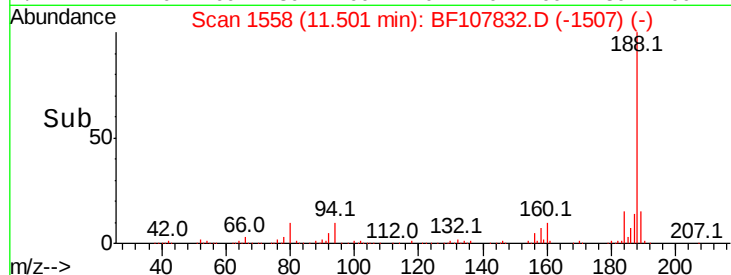
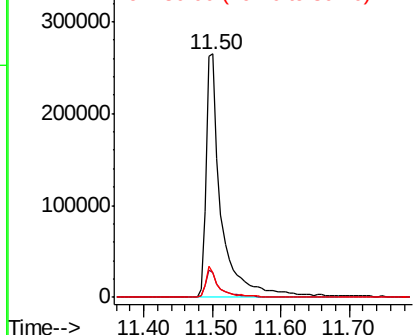
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 419354
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.2 9.2 13.8

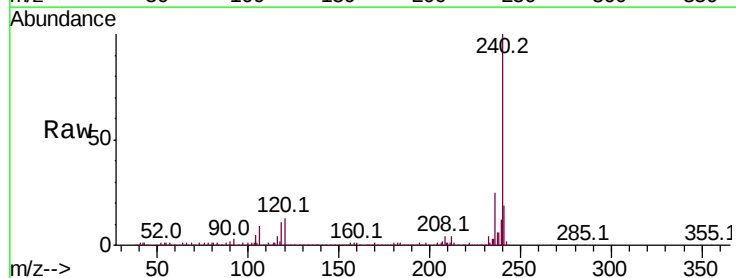


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

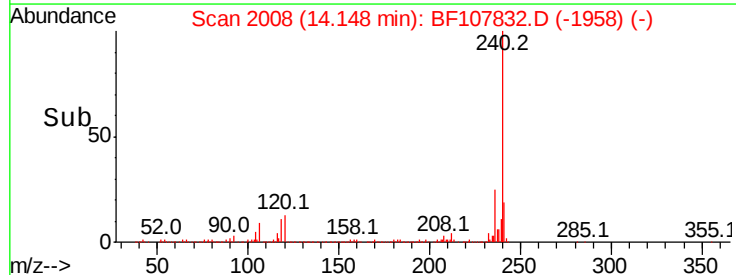
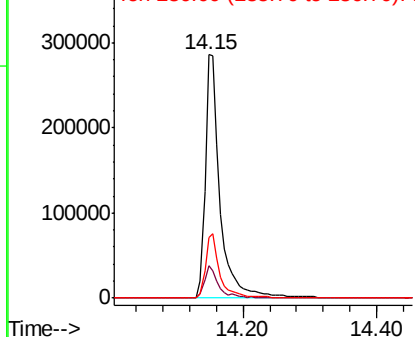


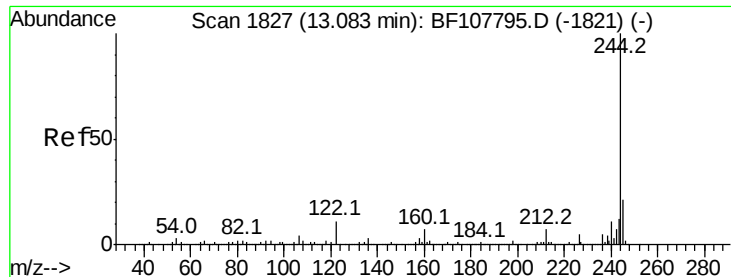
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107832.D
Acq: 31 Jul 2018 6:11

Tgt Ion:240 Resp: 440901
Ion Ratio Lower Upper
240 100
120 13.3 9.5 14.3
236 25.0 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

Terphenyl-d14

Concen: 11.282 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

Instrument :

BNA_F

ClientSampleId :

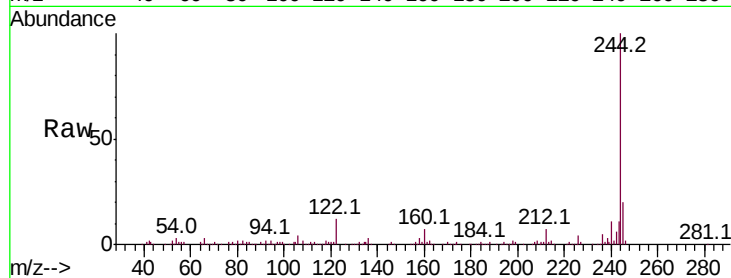
Tot Ion:244 Resp: 229386

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

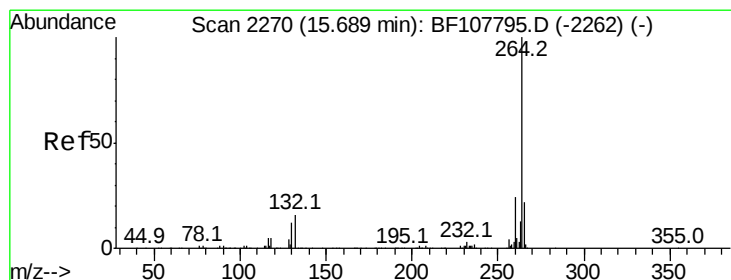
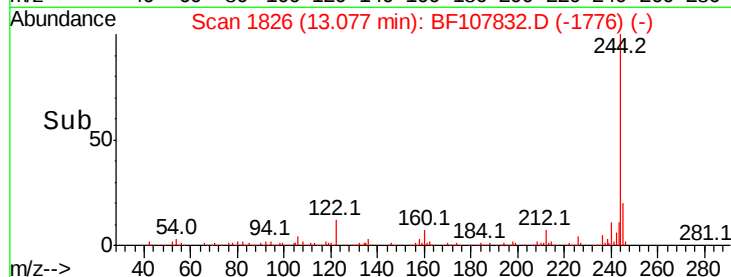
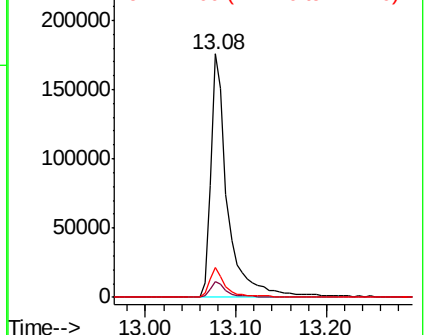
122 12.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF107832.D

Acq: 31 Jul 2018 6:11

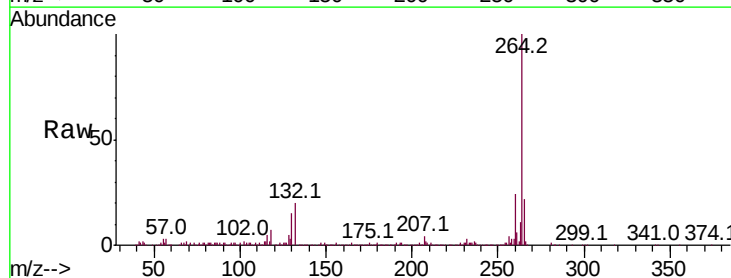
Tgt Ion:264 Resp: 359053

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.4 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

