

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107924.D
 Acq On : 2 Aug 2018 22:01
 Operator : JU/SJ
 Sample : J4285-21
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-6

Quant Time: Aug 03 00:58:02 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

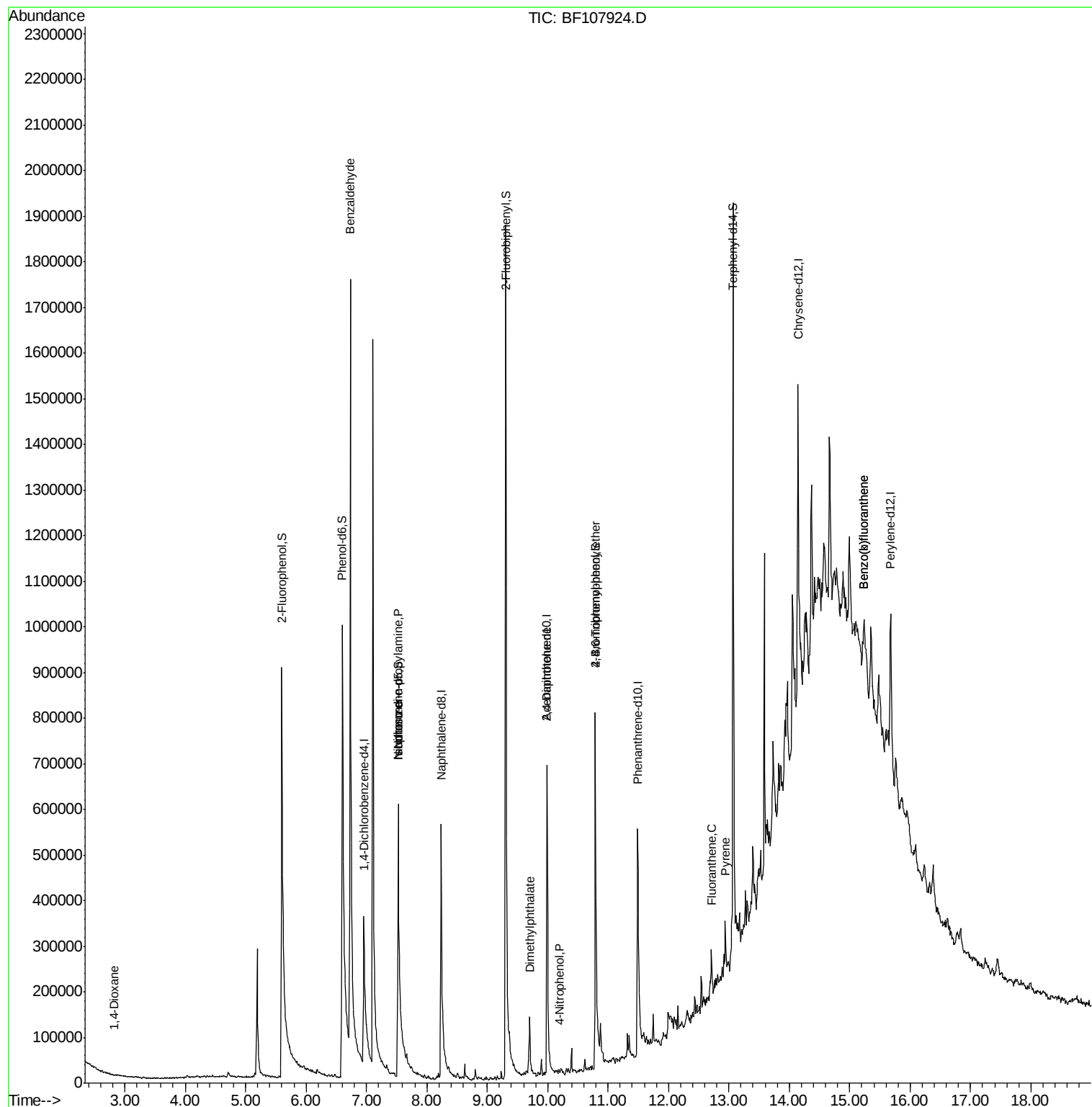
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	128357	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	494001	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	186201	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	346561	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	343764	20.00	ng	-0.01
86) Perylene-d12	15.68	264	288010	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	699458	92.61	ng	0.00
7) Phenol-d6	6.60	99	939037	94.34	ng	0.00
23) Nitrobenzene-d5	7.52	82	559979	65.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	181343	71.67	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	936679	70.10	ng	-0.01
78) Terphenyl-d14	13.07	244	805275	50.80	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.82	88	394	5.891	ng	Qvalue
9) Benzaldehyde	6.73	77	15866	2.642	ng	# 1
19) n-Nitroso-di-n-propylamine	7.52	70	63645	10.080	ng	# 85
25) Isophorone	7.52	82	564248	40.087	ng	# 80
49) Dimethylphthalate	9.70	163	80569	5.762	ng	# 64
55) 4-Nitrophenol	10.19	139	107	9.365	ng	# 99
56) 2,4-Dinitrotoluene	9.99	165	24543	6.145	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	10577	2.618	ng	# 24
74) Fluoranthene	12.71	202	64503	3.337	ng	# 1
77) Pyrene	12.94	202	64969	2.625	ng	# 97
87) Benzo(b)fluoranthene	15.22	252	42364	2.982	ng	# 98
88) Benzo(k)fluoranthene	15.22	252	42364	2.429	ng	# 25
						# 28

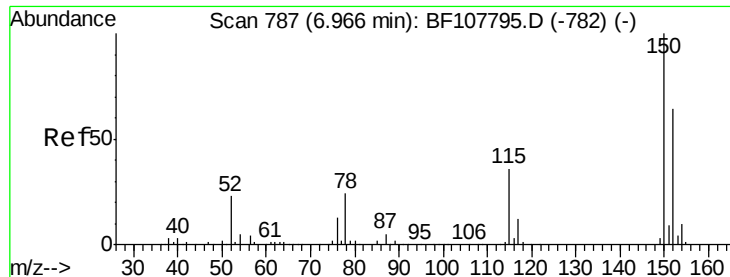
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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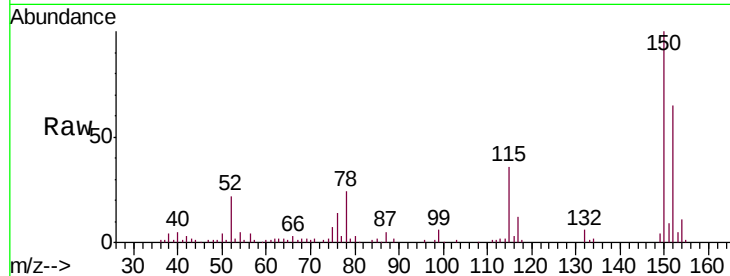


#1

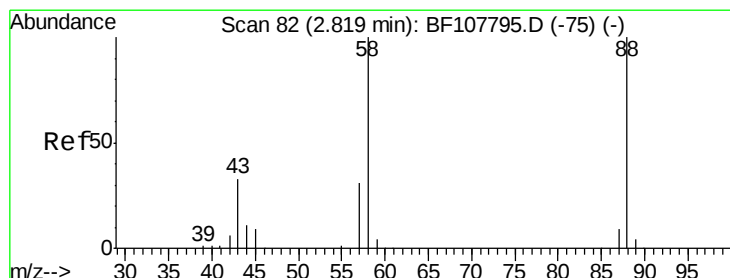
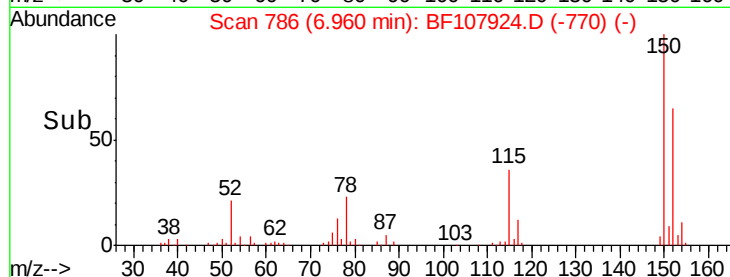
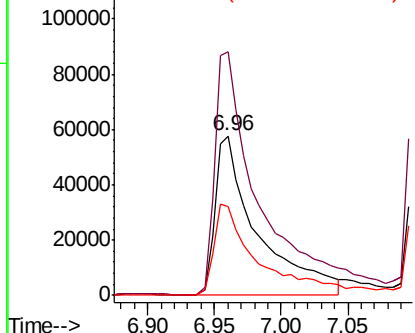
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.6	186.8
115	55.7	50.1	75.1



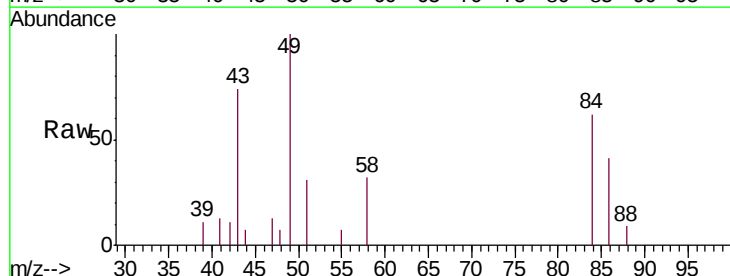
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



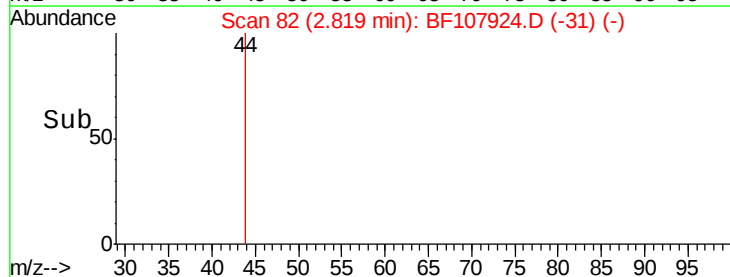
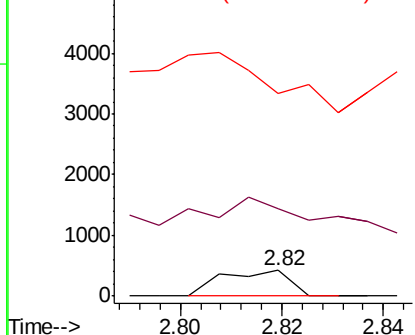
#2

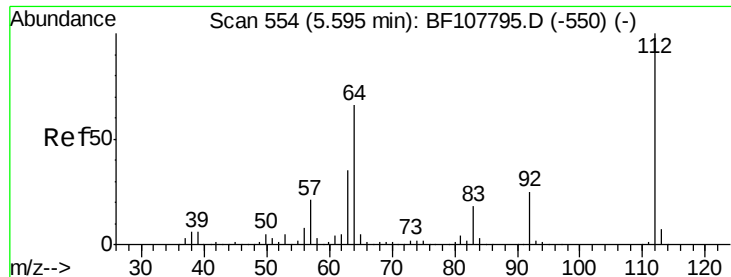
1,4-Dioxane
Concen: 5.891 ng
RT: 2.82 min Scan# 82
Delta R.T. 0.00 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	202.8	62.6	93.8#
43	425.6	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

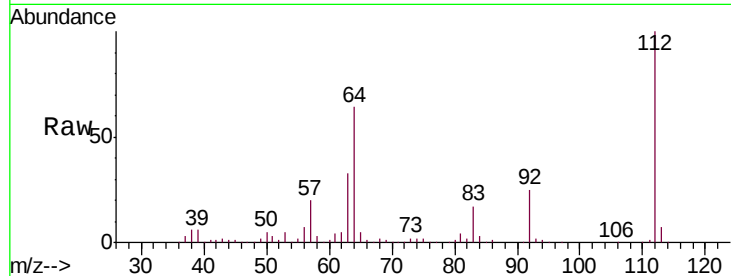




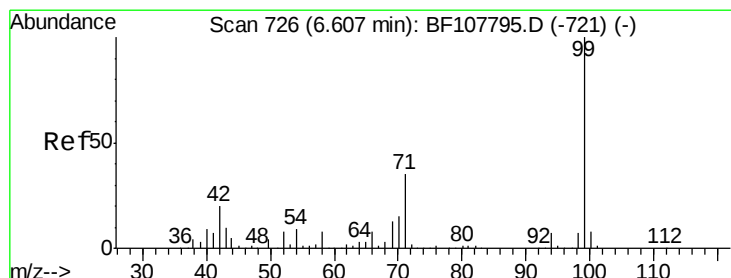
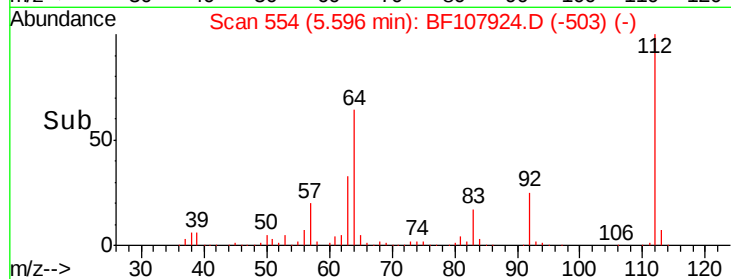
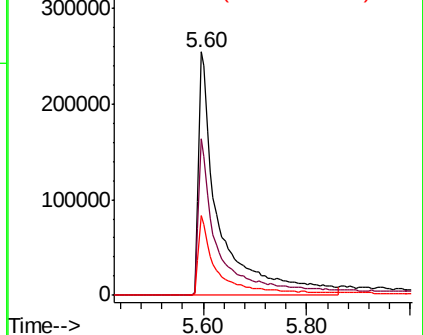
#5
2-Fluorophenol
Concen: 92.614 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-6

Tgt Ion: 112 Resp: 699458
Ion Ratio Lower Upper
112 100
64 64.4 47.9 71.9
63 32.6 23.7 35.5

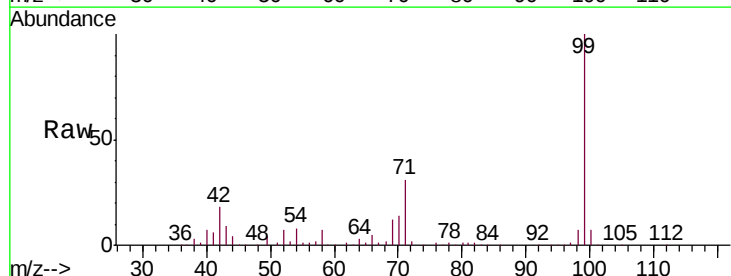


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

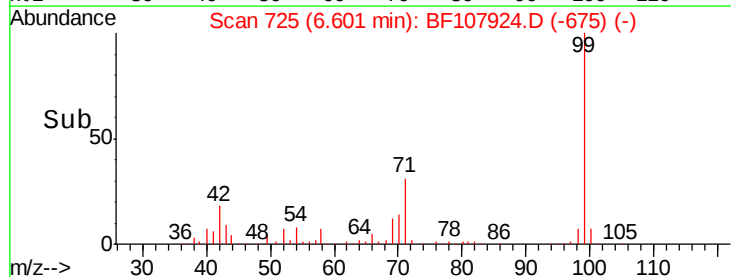
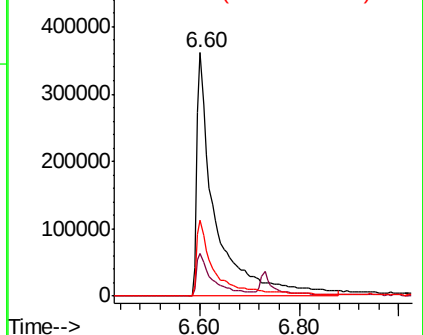


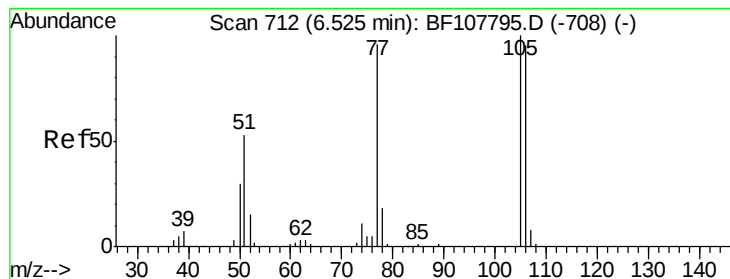
#7
Phenol-d6
Concen: 94.341 ng
RT: 6.60 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion: 99 Resp: 939037
Ion Ratio Lower Upper
99 100
42 17.7 14.5 21.7
71 31.2 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





#9

Benzaldehyde

Concen: 2.642 ng

RT: 6.73 min Scan# 747

Delta R.T. 0.21 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

Instrument :

BNA_F

ClientSampleId :

KG-PIT-6

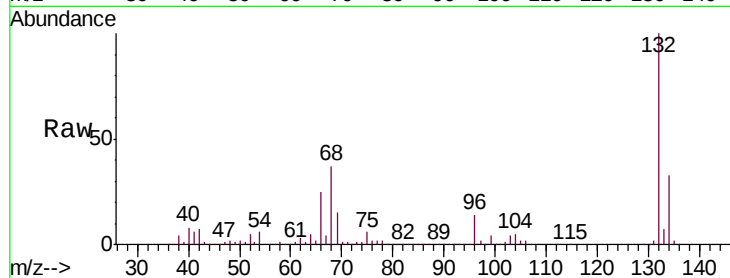
Tgt Ion: 77 Resp: 15866

Ion Ratio Lower Upper

77 100

105 86.1 81.1 121.1

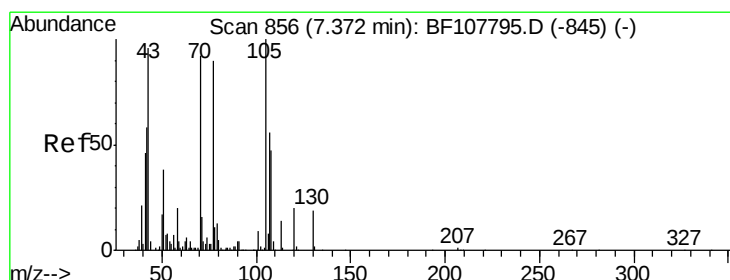
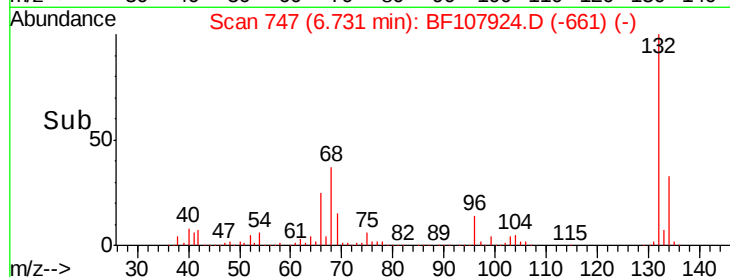
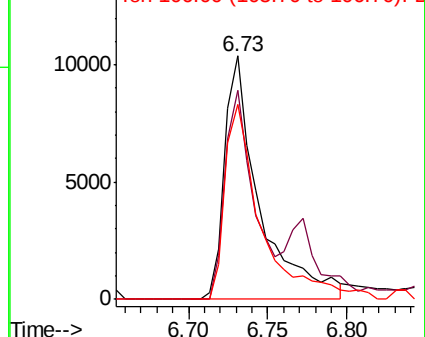
106 80.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.080 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

Tgt Ion: 70 Resp: 63645

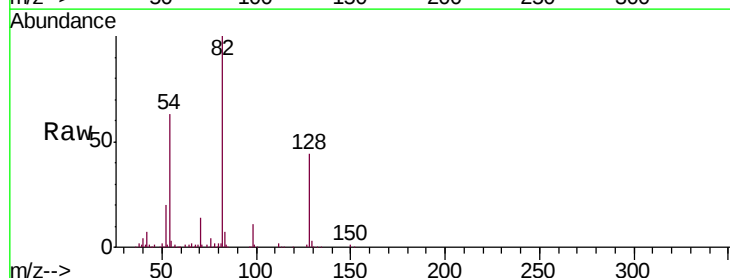
Ion Ratio Lower Upper

70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

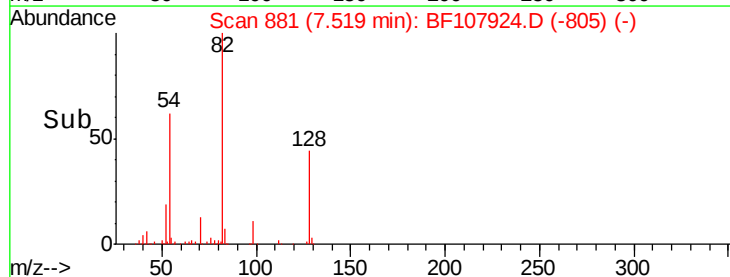
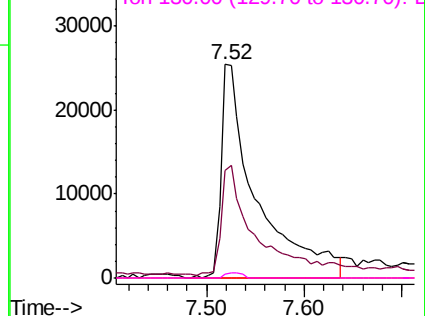


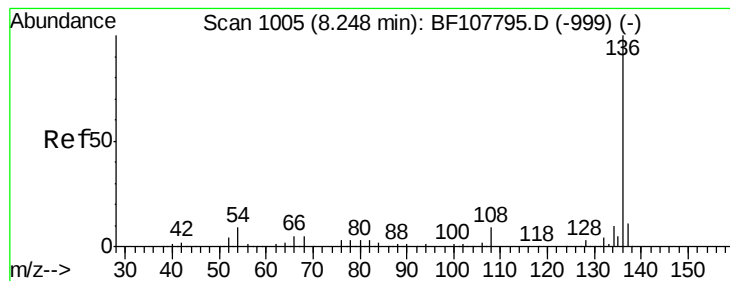
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

Instrument :

BNA_F

ClientSampleId :

KG-PIT-6

Tgt Ion: 136 Resp: 494001

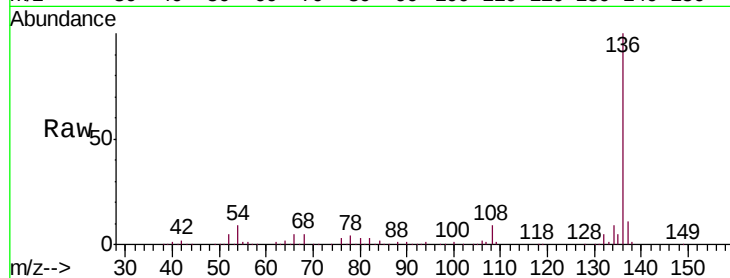
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.3 6.6 9.8

68 5.5 5.0 7.4

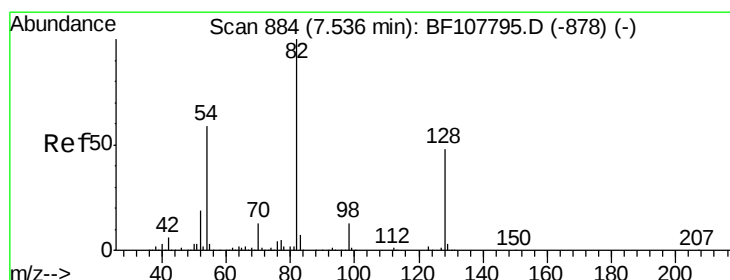
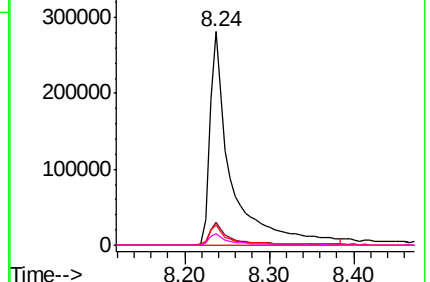
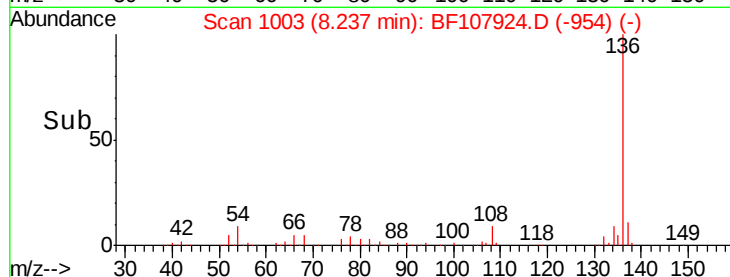


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.305 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

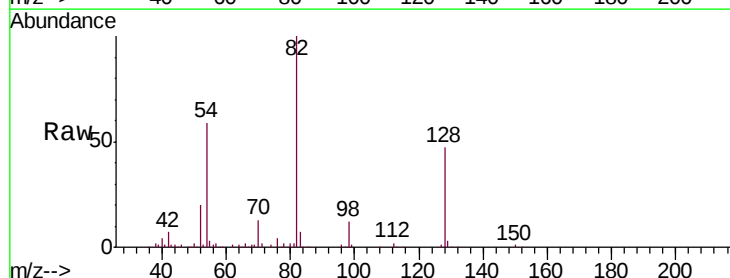
Tgt Ion: 82 Resp: 559979

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

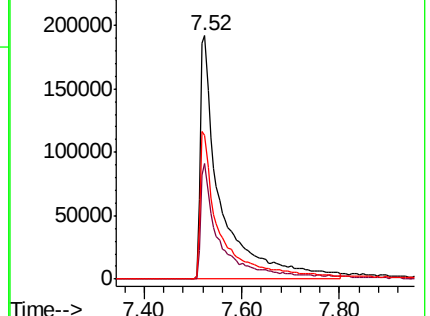
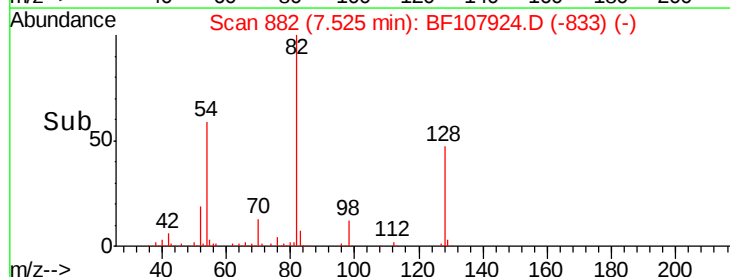
54 59.2 41.4 62.2

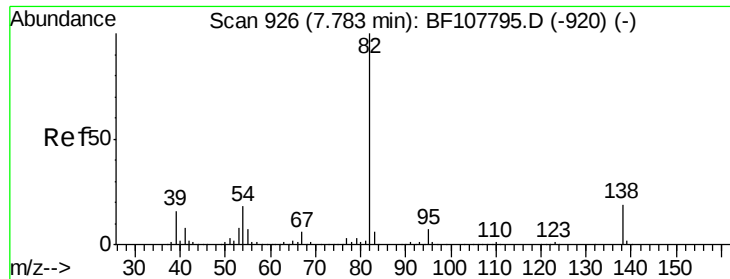


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

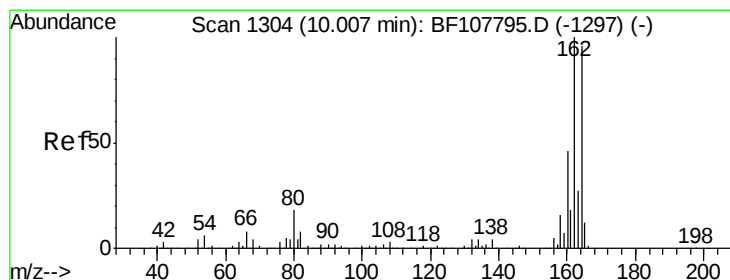
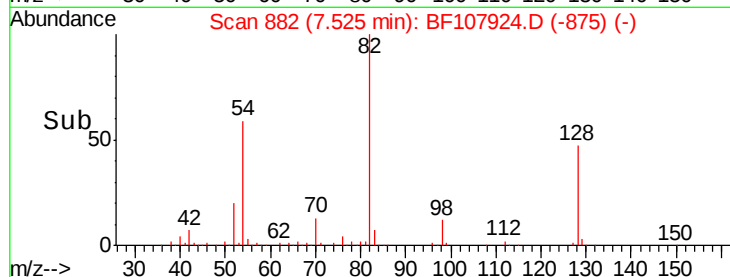
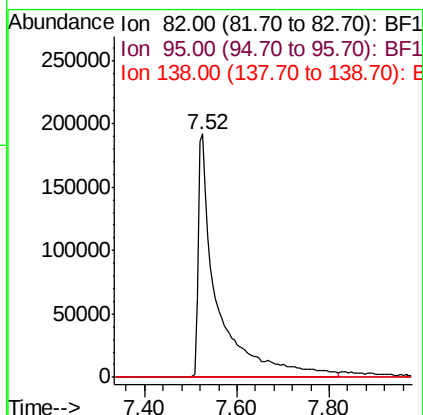
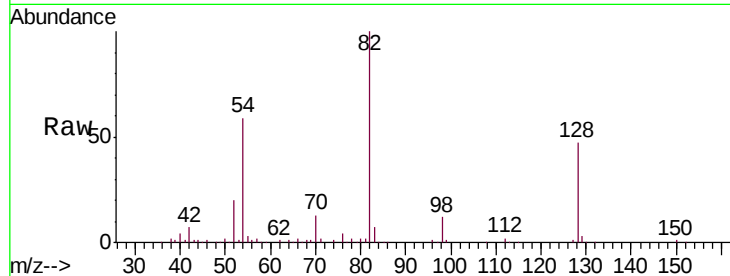




#25
Isophorone
Concen: 40.087 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.26 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

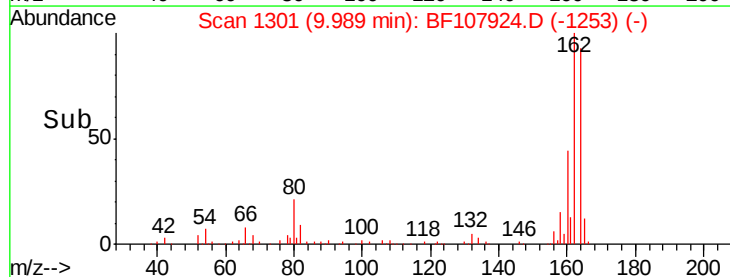
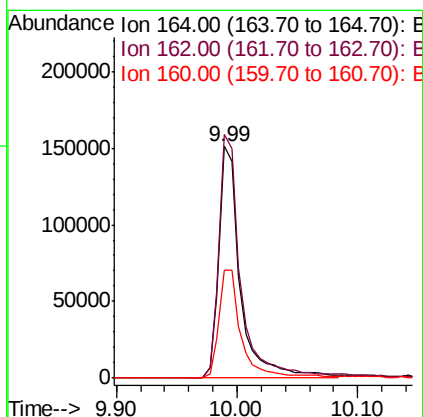
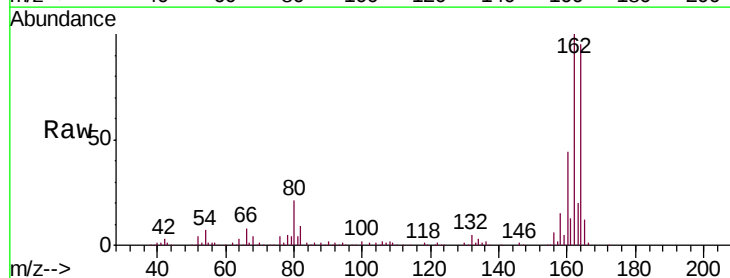
Instrument :
BNA_F
ClientSampled :
KG-PIT-6

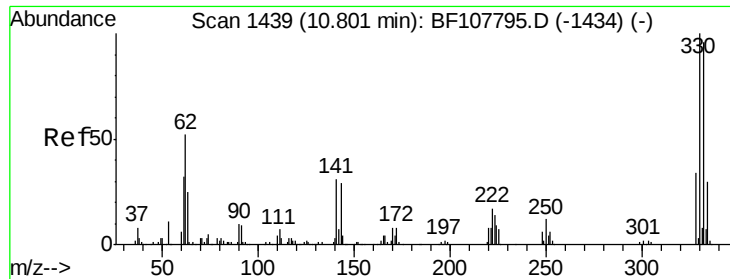
Tgt Ion: 82 Resp: 564248
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion: 164 Resp: 186201
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 46.6 38.3 57.5

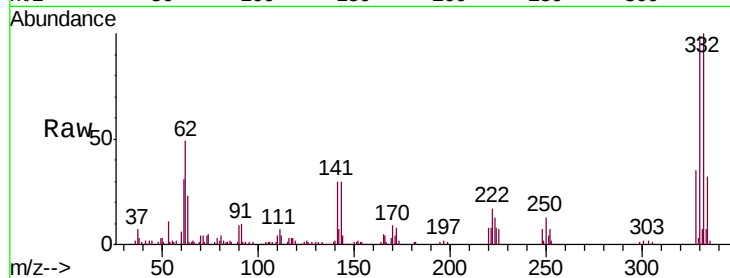




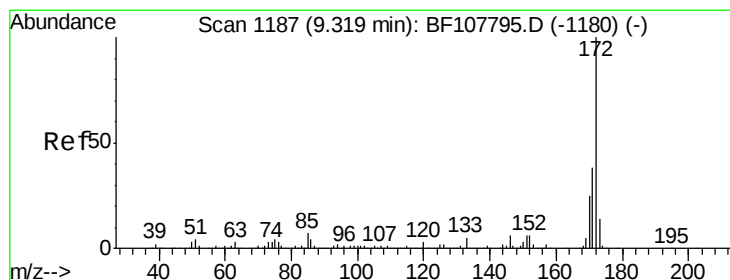
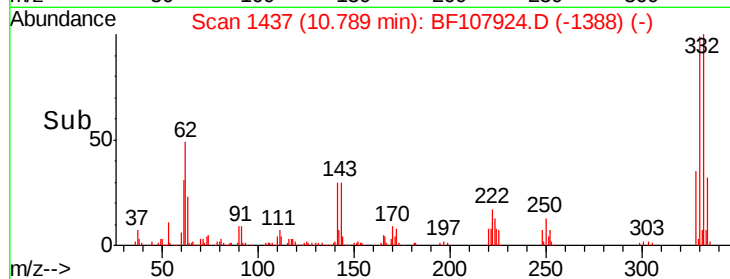
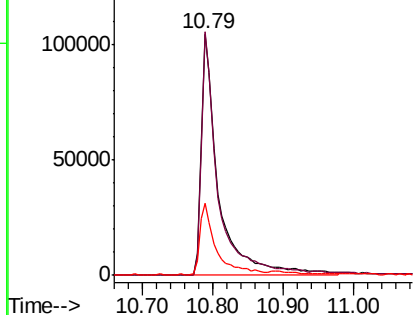
#41
 2,4,6-Tribromophenol
 Concen: 71.674 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107924.D
 Acq: 2 Aug 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	28.8	29.9	44.9#

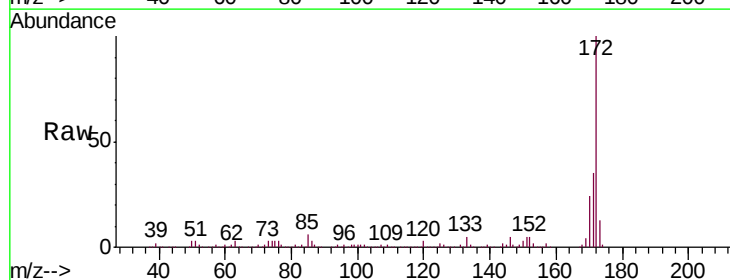


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

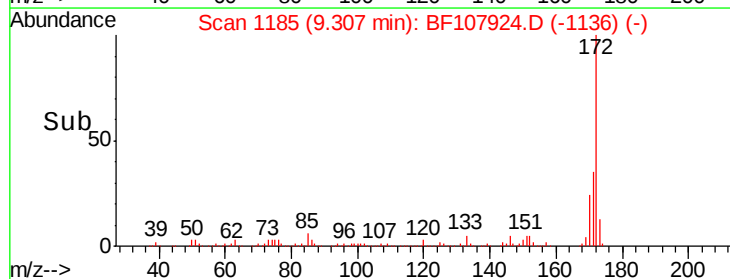
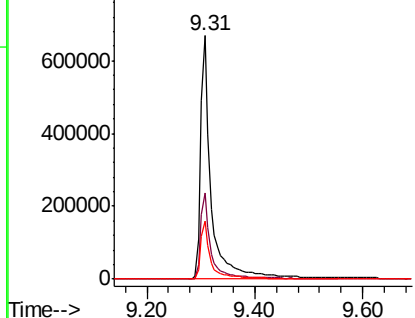


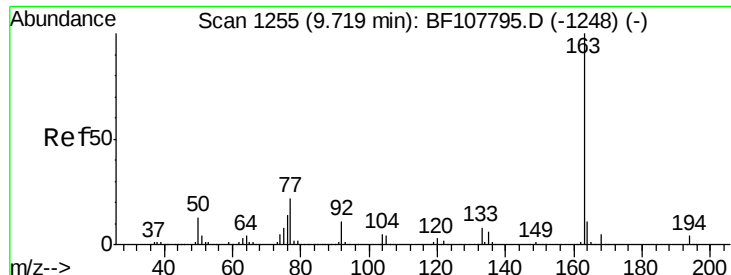
#44
 2-Fluorobiphenyl
 Concen: 70.099 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107924.D
 Acq: 2 Aug 2018 22:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.9	19.6	29.4



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

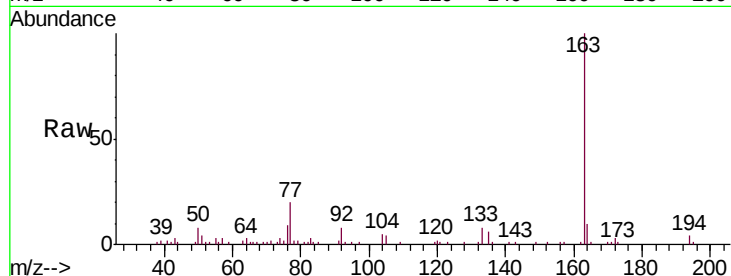




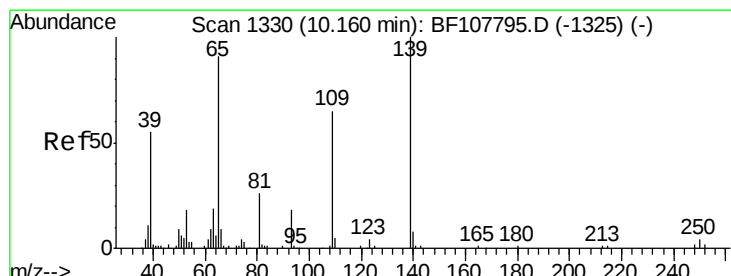
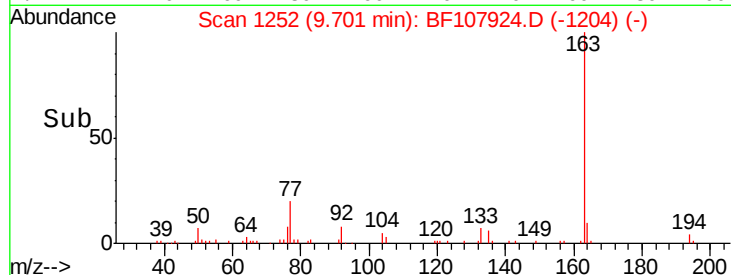
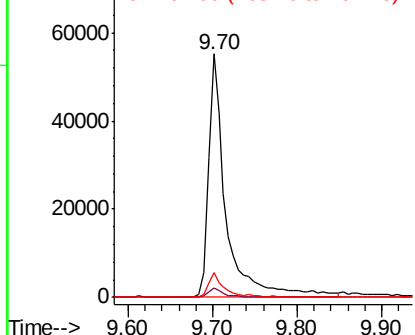
#49
Dimethylphthalate
Concen: 5.762 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-6

Tgt Ion:163 Resp: 80569
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.9 8.2 12.2

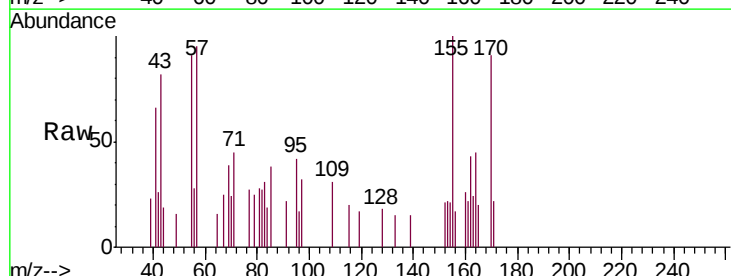


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

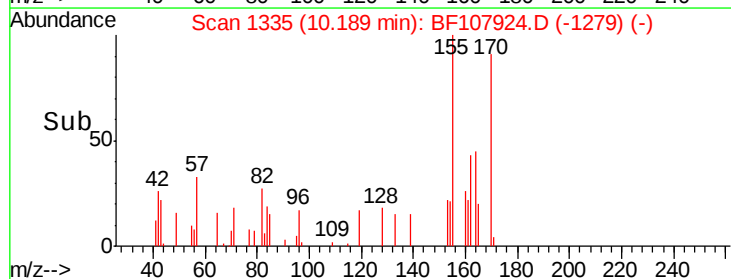
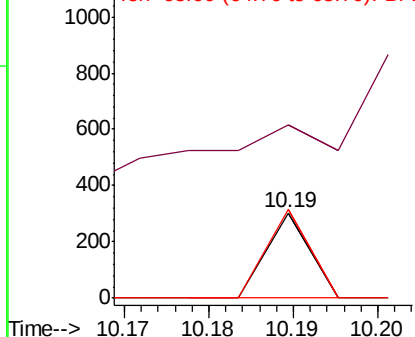


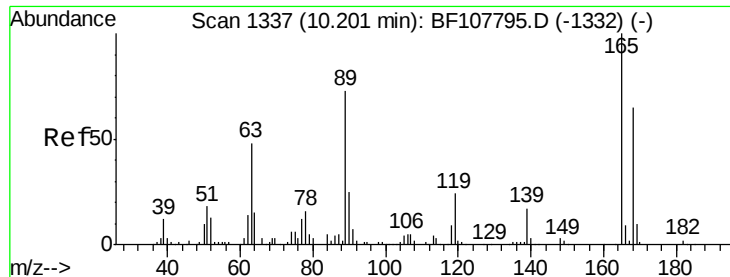
#55
4-Nitrophenol
Concen: 9.365 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.03 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion:139 Resp: 107
Ion Ratio Lower Upper
139 100
109 204.3 48.4 88.4#
65 104.6 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

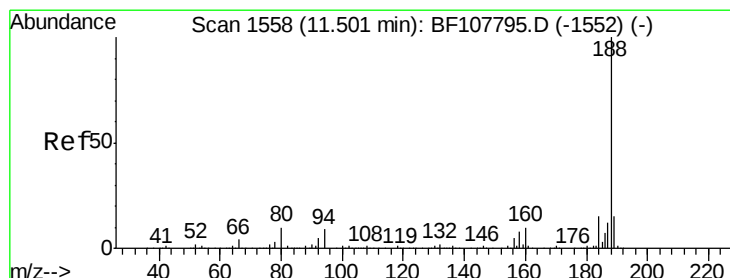
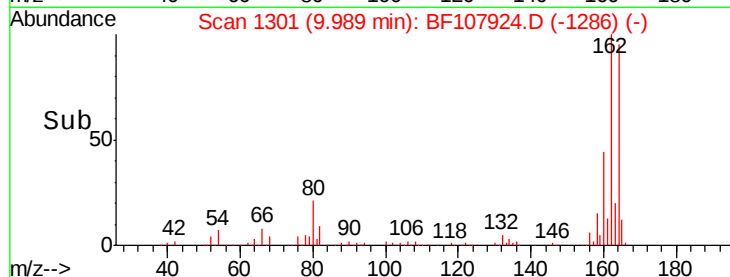
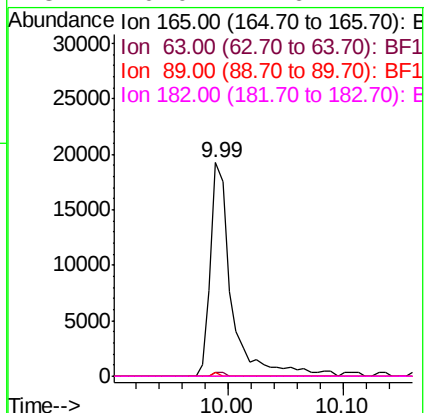
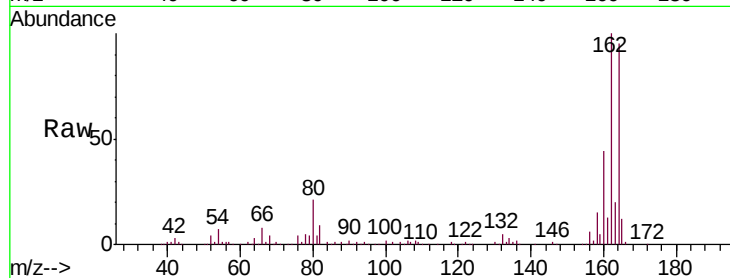




#56
2,4-Dinitrotoluene
Concen: 6.145 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

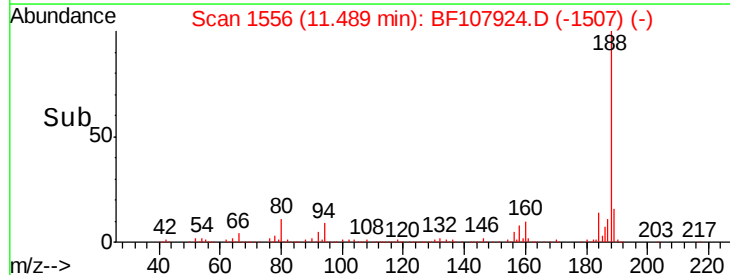
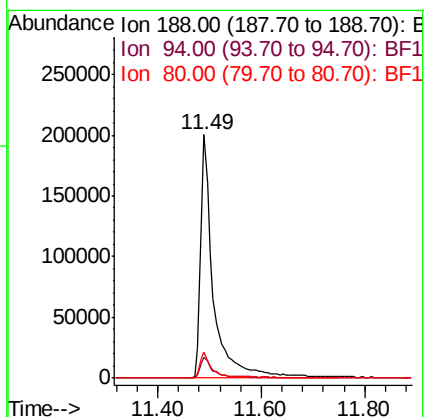
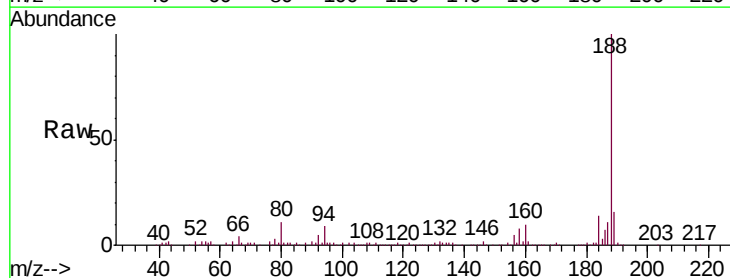
Instrument :
BNA_F
ClientSampleId :
KG-PIT-6

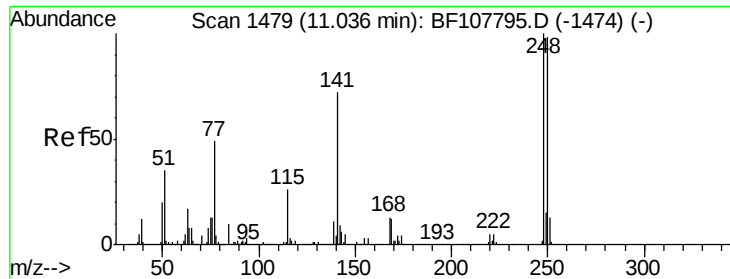
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion	Resp	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	10.8	9.2	13.8

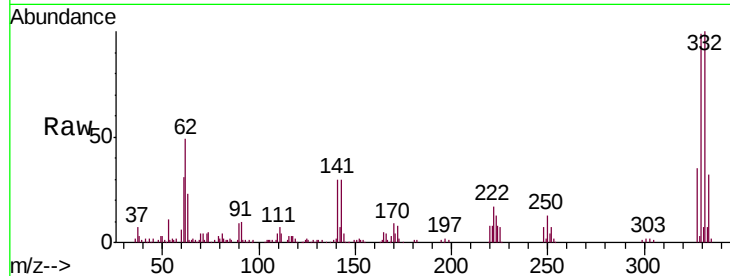




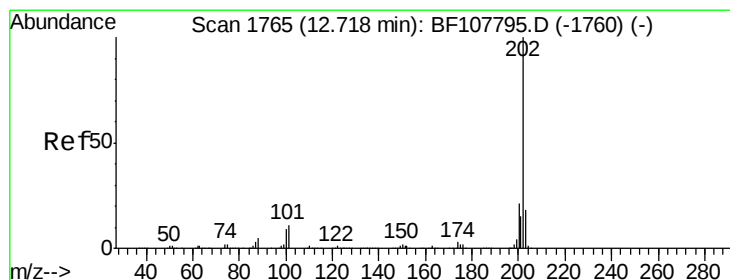
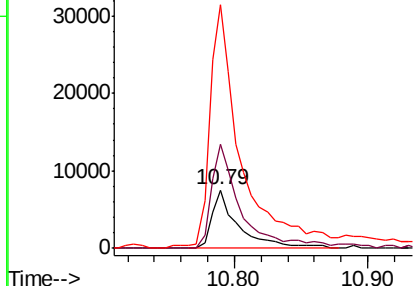
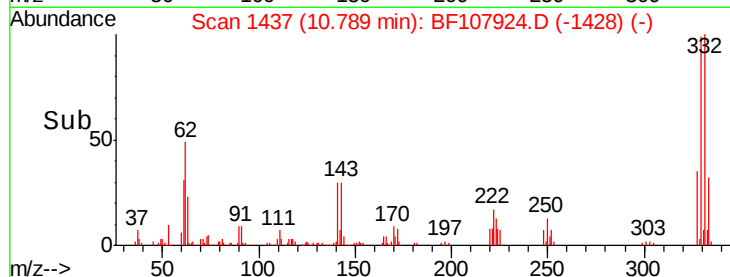
#66
 4-Bromophenyl-phenylether
 Concen: 2.618 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF107924.D
 Acq: 2 Aug 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-6

Tgt Ion:248 Resp: 10577
 Ion Ratio Lower Upper
 248 100
 250 178.7 76.9 115.3#
 141 419.9 74.4 111.6#

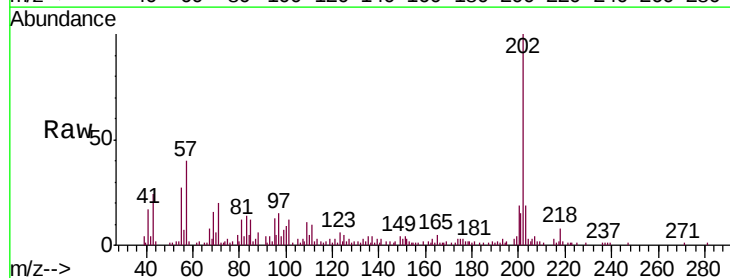


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

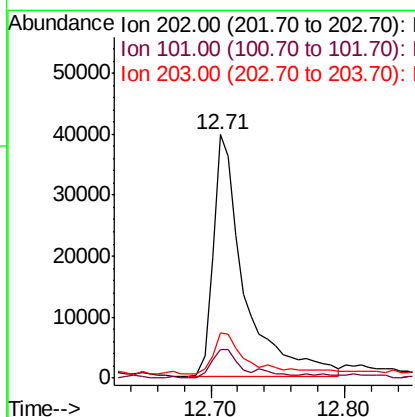
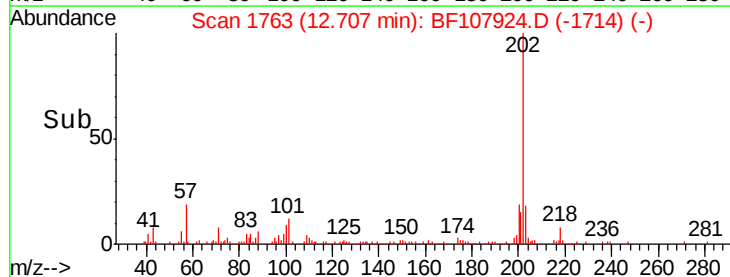


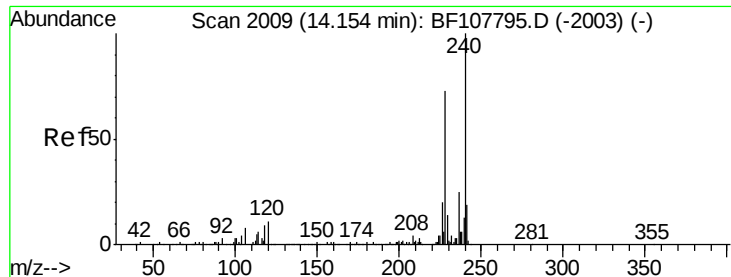
#74
 Fluoranthene
 Concen: 3.337 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107924.D
 Acq: 2 Aug 2018 22:01

Tgt Ion:202 Resp: 64503
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 34.1
 203 18.6 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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

Instrument :

BNA_F

ClientSampleId :

KG-PIT-6

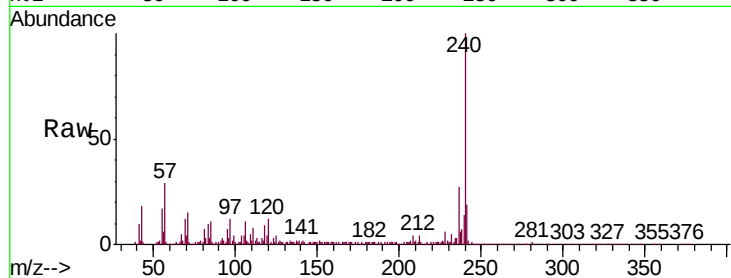
Tgt Ion:240 Resp: 343764

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

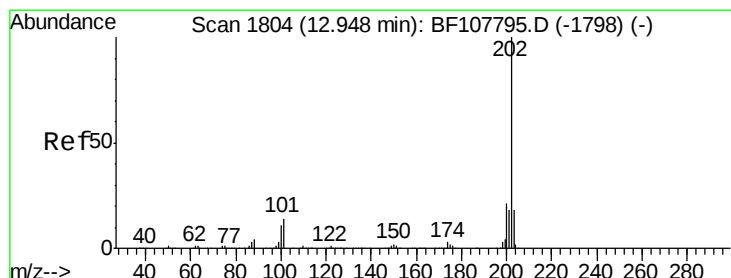
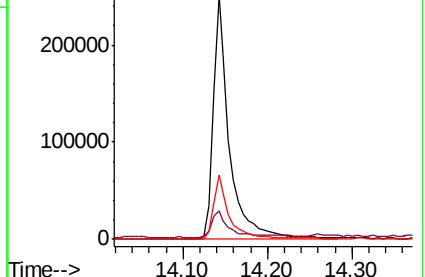
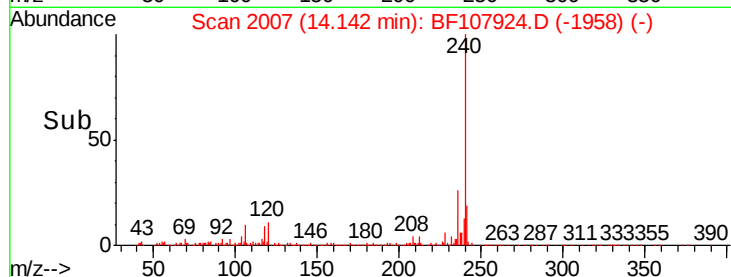
236 26.5 20.7 31.1



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: 2.625 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

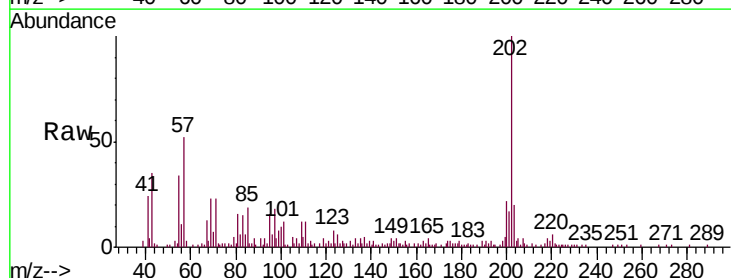
Tgt Ion:202 Resp: 64969

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

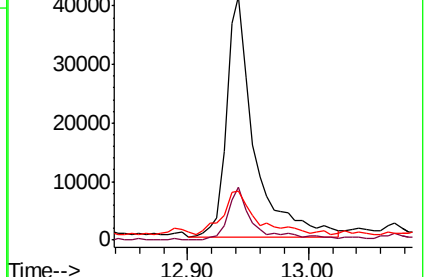
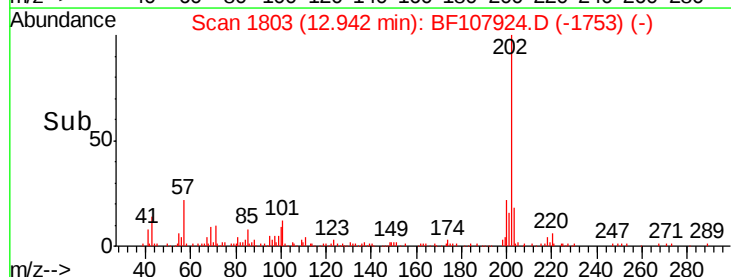
203 20.0 14.3 21.5

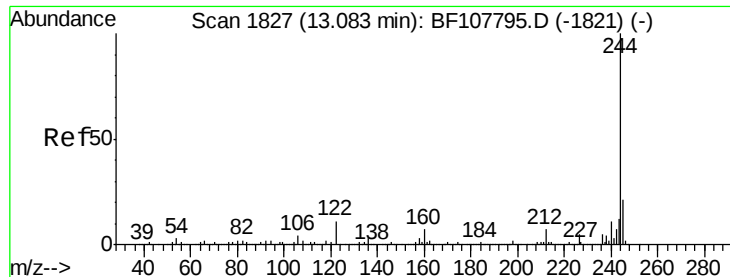


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.796 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

Instrument :

BNA_F

ClientSampleId :

KG-PIT-6

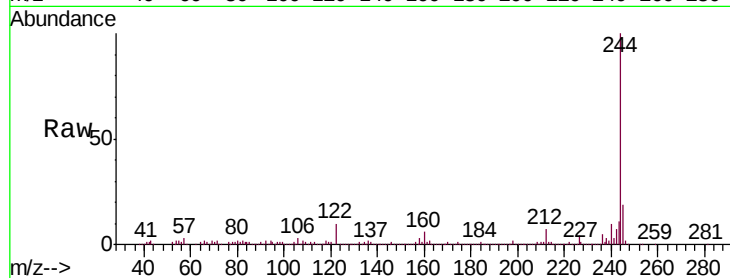
Tgt Ion:244 Resp: 805275

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

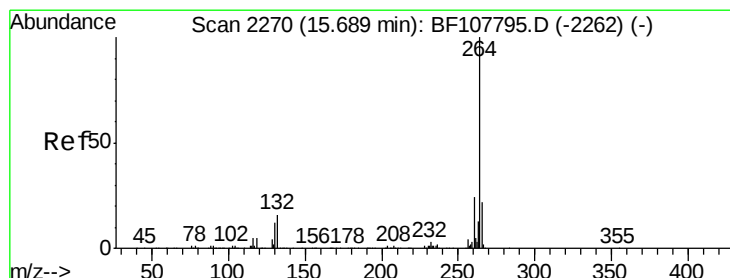
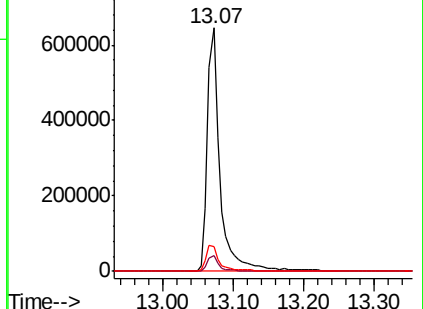
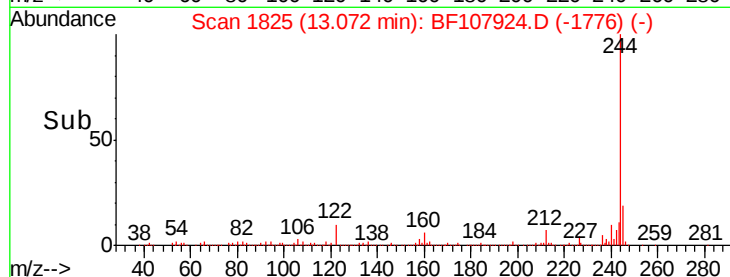
122 10.3 11.0 16.4#



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# 2268

Delta R.T. -0.01 min

Lab File: BF107924.D

Acq: 2 Aug 2018 22:01

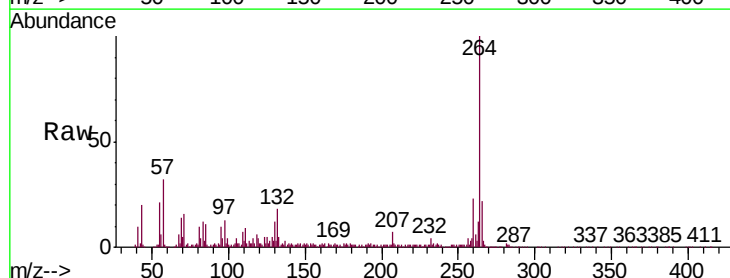
Tgt Ion:264 Resp: 288010

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

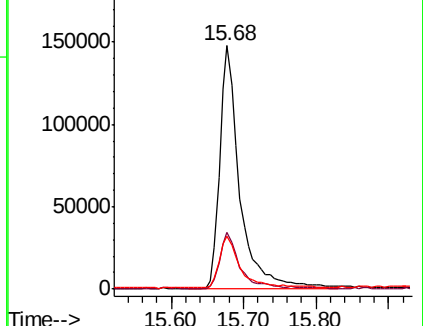
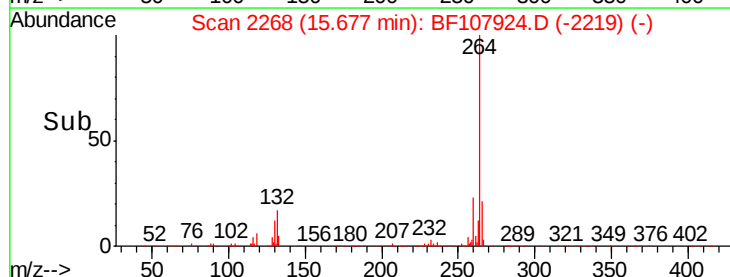
265 21.6 17.5 26.3

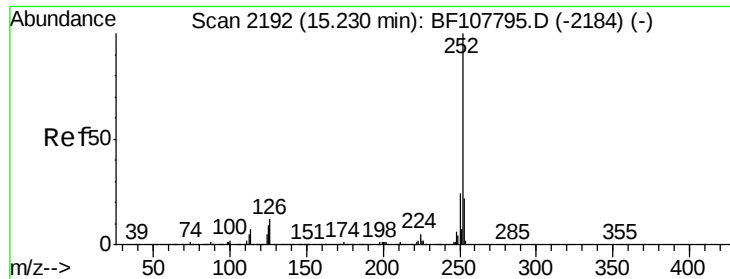


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

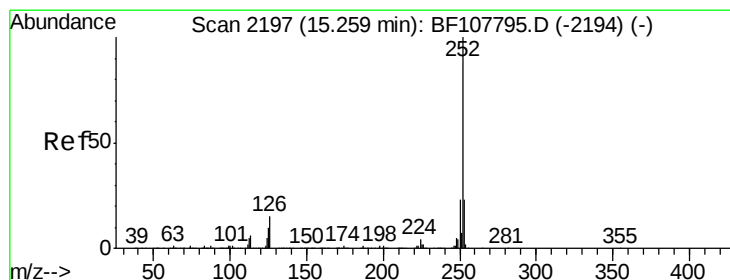
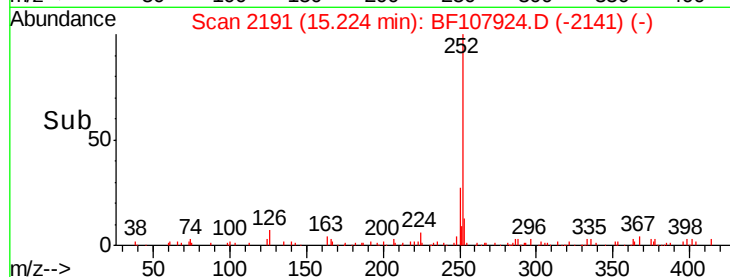
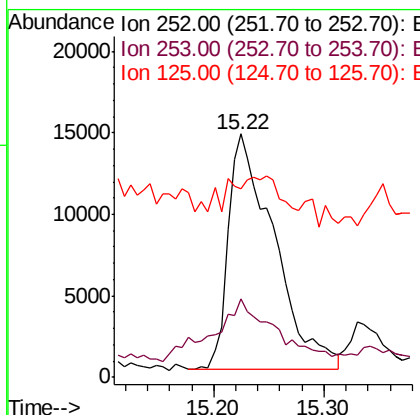
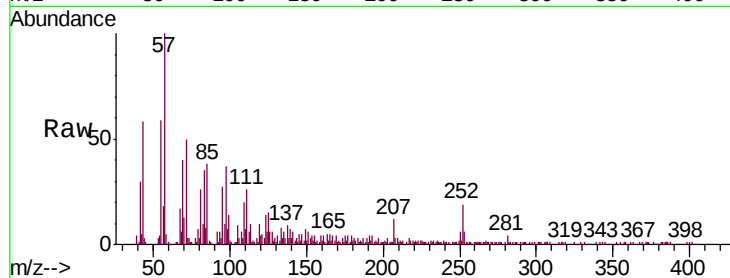




#87
Benzo(b)fluoranthene
Concen: 2.982 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Instrument :
BNA_F
ClientSampleId :
KG-PIT-6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.0	25.6#
125	77.5	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.429 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107924.D
Acq: 2 Aug 2018 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	17.9	26.9#
125	77.5	10.2	15.2#

