

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062118\
 Data File : BF106663.D
 Acq On : 21 Jun 2018 15:53
 Operator : JU/SJ
 Sample : J3524-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(S)

Quant Time: Jun 21 16:26:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	96089	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	381516	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	179036	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	300239	20.00	ng	0.00
75) Chrysene-d12	14.15	240	262887	20.00	ng	0.00
86) Perylene-d12	15.70	264	198011	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	130521	23.00	ng	0.00
7) Phenol-d6	6.60	99	171036	24.14	ng	-0.01
23) Nitrobenzene-d5	7.52	82	103057	15.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	31162	15.02	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	203426	5.42	ng	-0.01
78) Terphenyl-d14	13.08	244	192756	17.76	ng	0.00

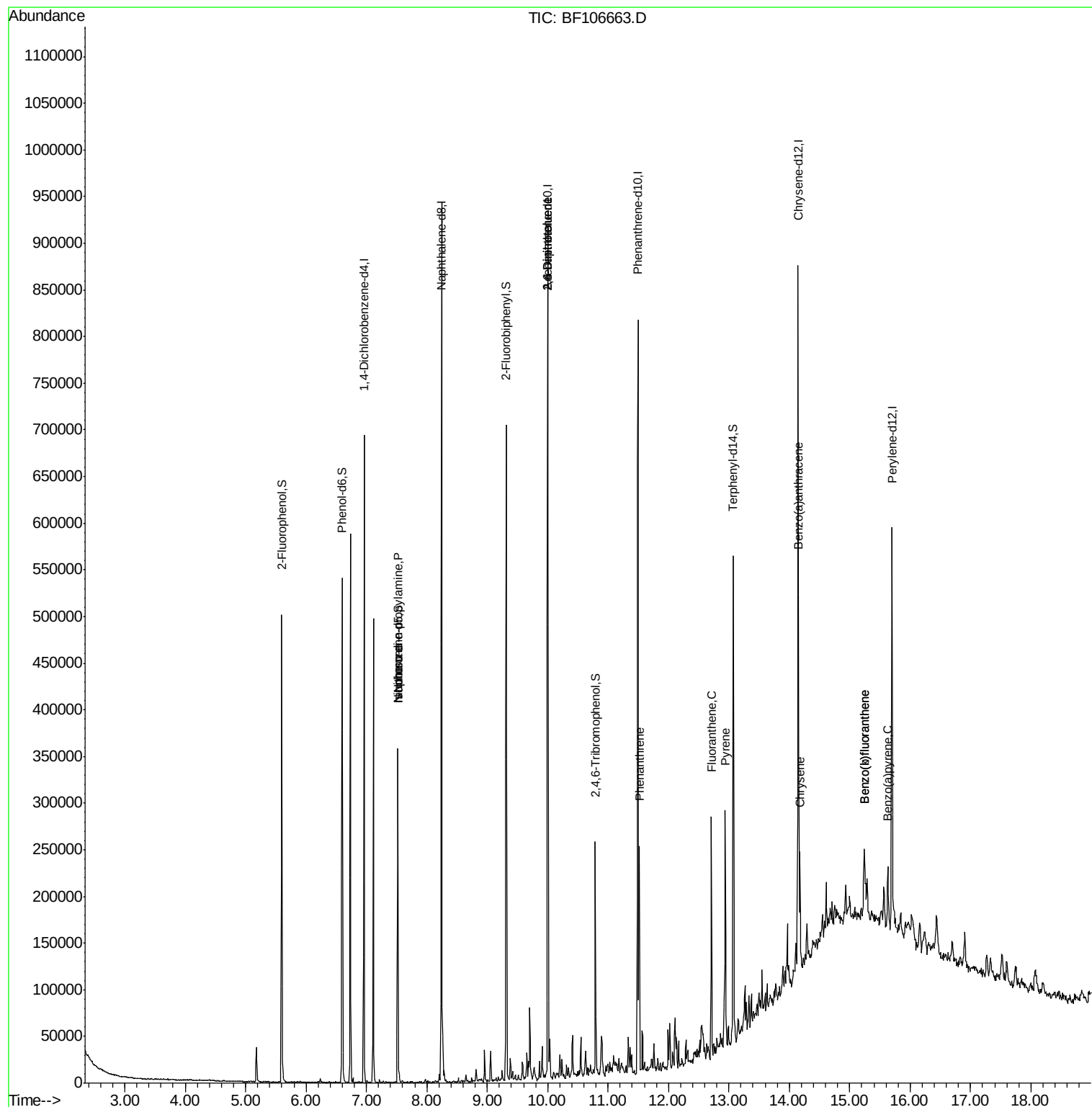
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	13290	2.845	ng	# 80
25) Isophorone	7.52	82	103055	8.519	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	23489	8.261	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	23489	6.329	ng	# 22
70) Phenanthrene	11.52	178	86244	5.956	ng	98
74) Fluoranthene	12.71	202	107597	6.741	ng	93
77) Pyrene	12.94	202	102705	5.925	ng	99
80) Benzo(a)anthracene	14.14	228	50701	3.164	ng	97
82) Chrysene	14.18	228	48518	3.292	ng	97
87) Benzo(b)fluoranthene	15.24	252	59639	4.849	ng	# 91
88) Benzo(k)fluoranthene	15.24	252	59639	5.091	ng	94
89) Benzo(a)pyrene	15.63	252	28893	2.642	ng	# 92

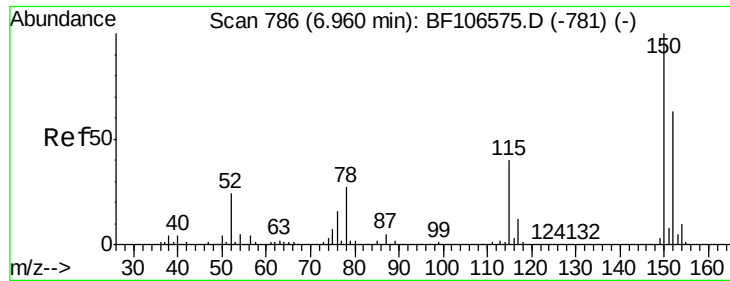
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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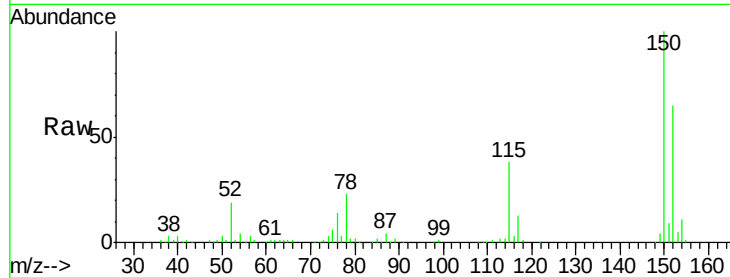


#1

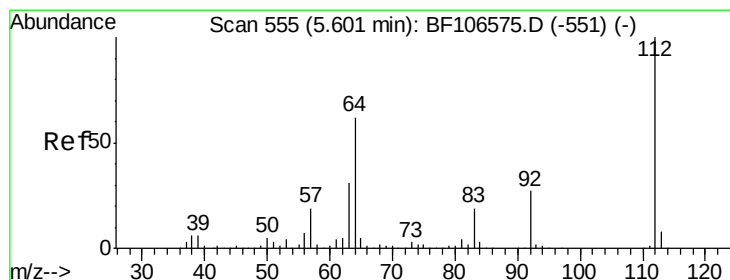
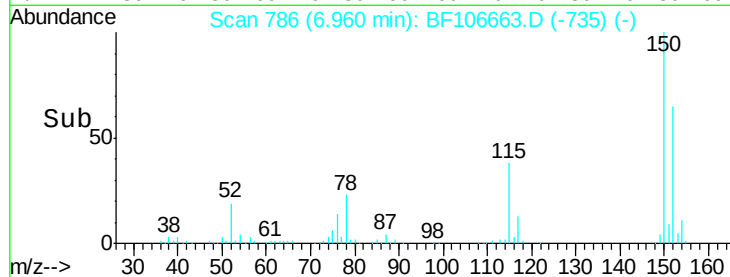
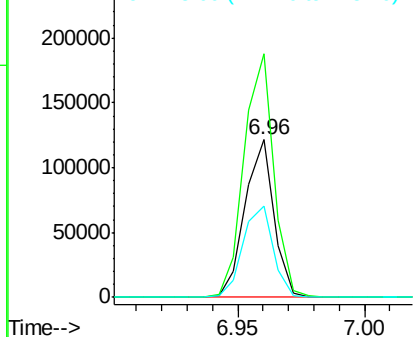
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
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AREA-3(S)

Tgt Ion:152 Resp: 96089
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 58.5 50.1 75.1



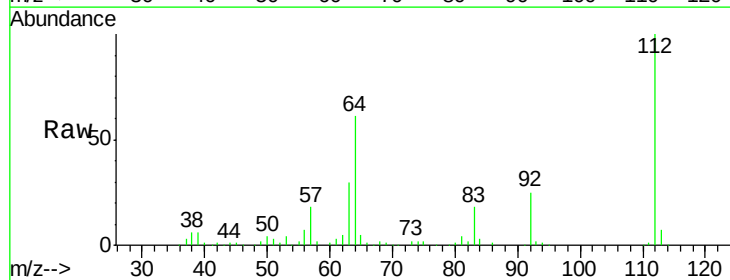
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



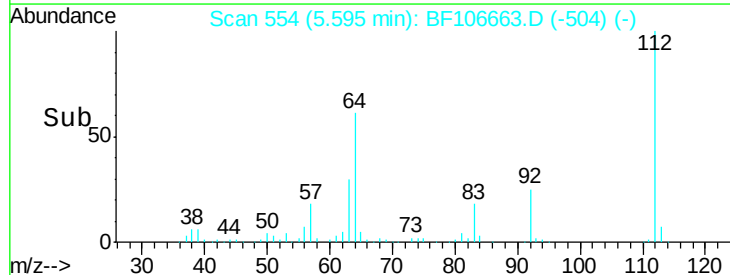
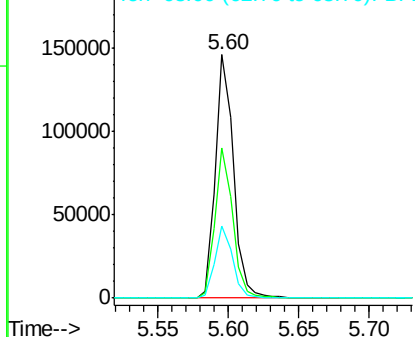
#5

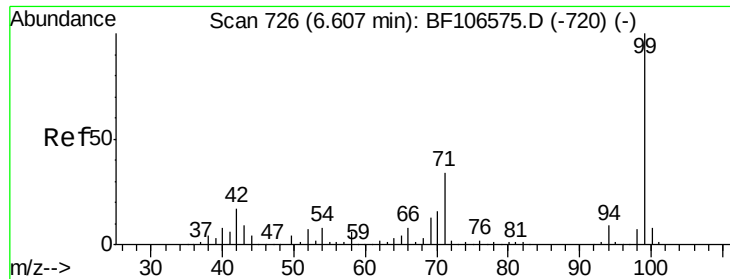
2-Fluorophenol
Concen: 23.001 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion:112 Resp: 130521
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 29.8 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: 24.136 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Instrument :

BNA_F

ClientSampleId :

AREA-3(S)

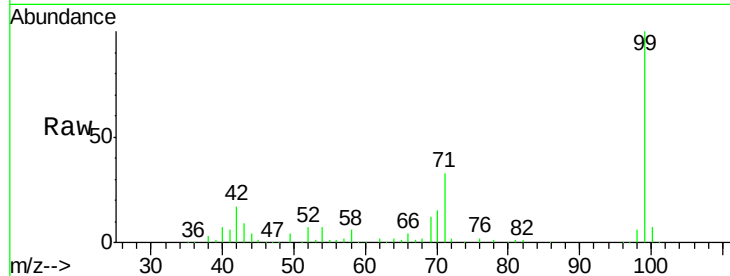
Tgt Ion: 99 Resp: 171036

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

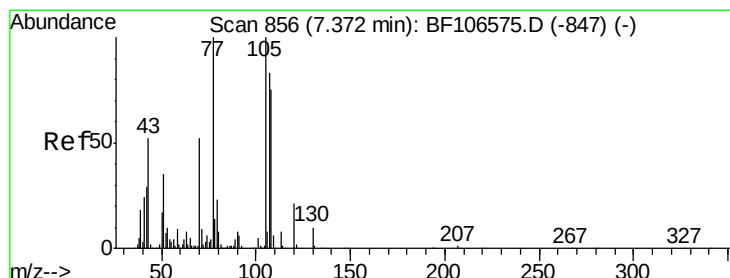
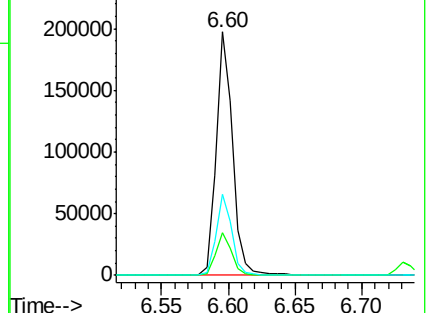
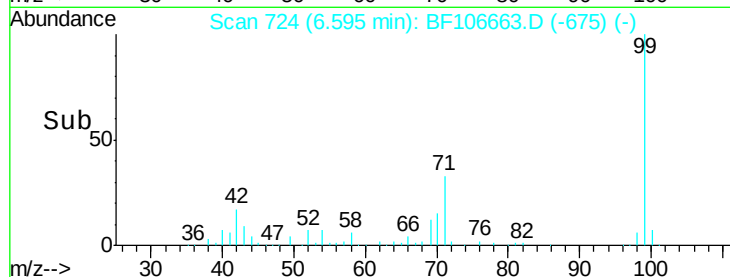
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.845 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Tgt Ion: 70 Resp: 13290

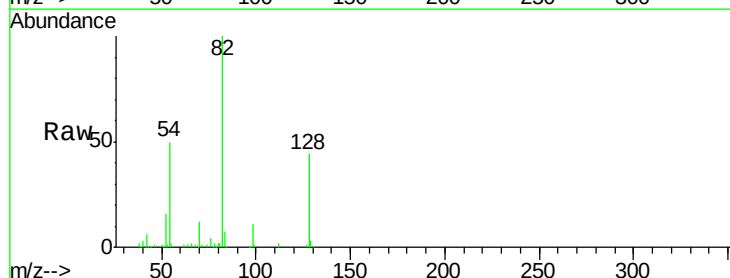
Ion Ratio Lower Upper

70 100

42 49.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

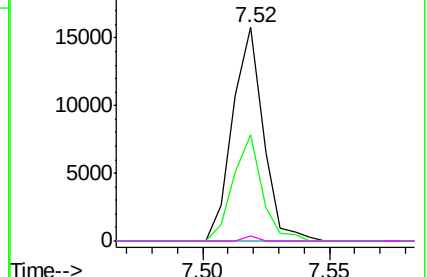
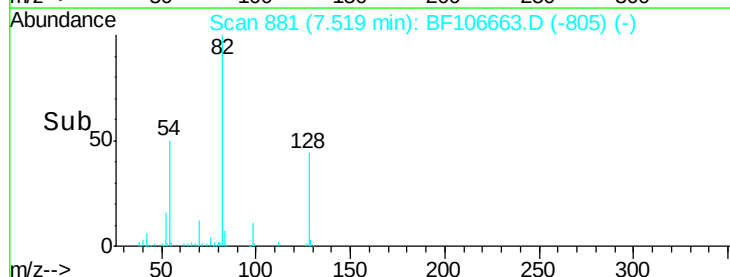


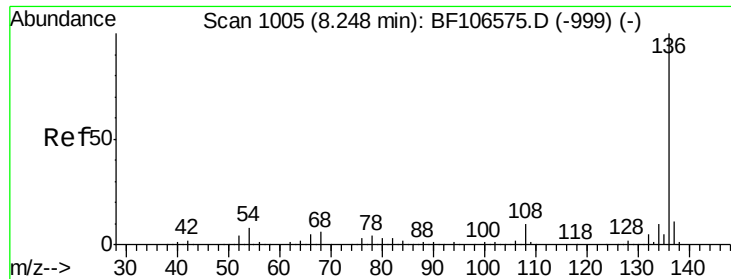
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

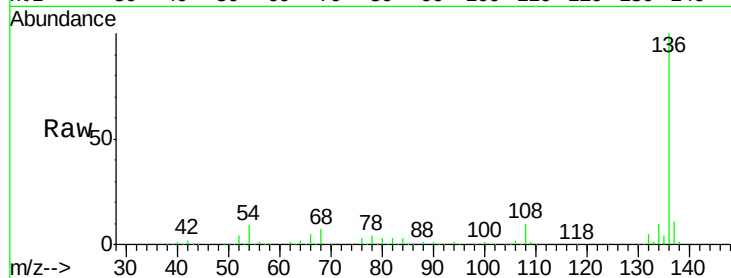




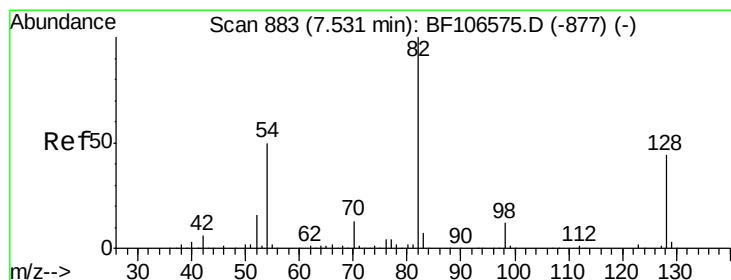
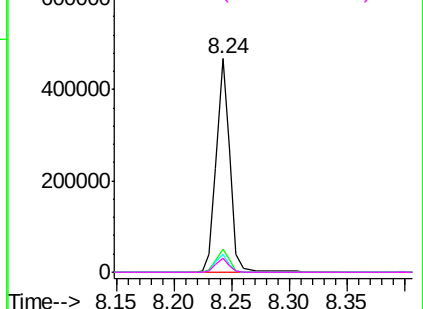
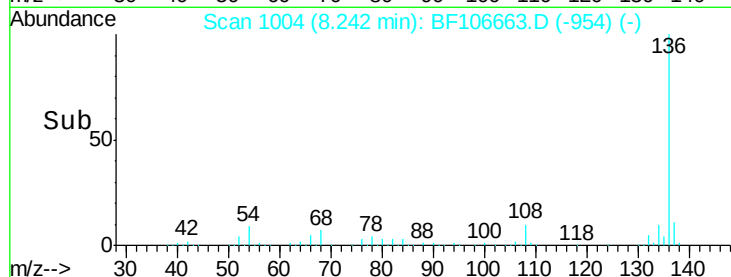
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

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AREA-3(S)

Tgt Ion:	136	Resp:	381516
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.5	6.6	9.8
68	6.7	5.0	7.4

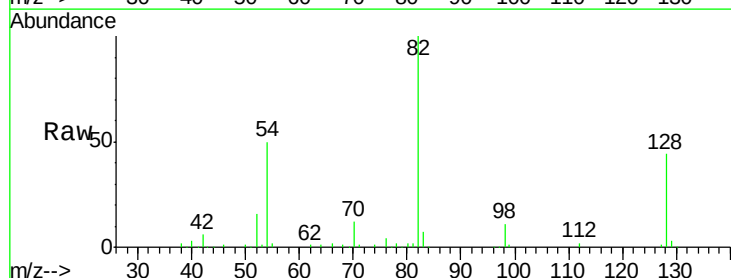


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

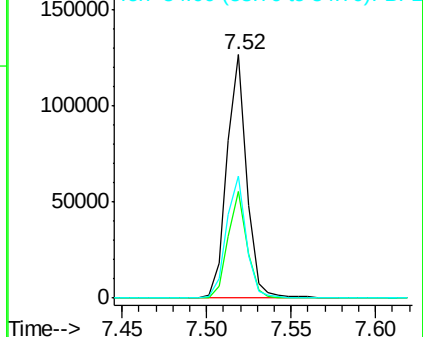
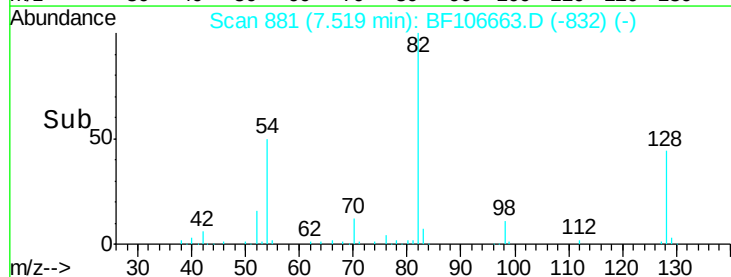


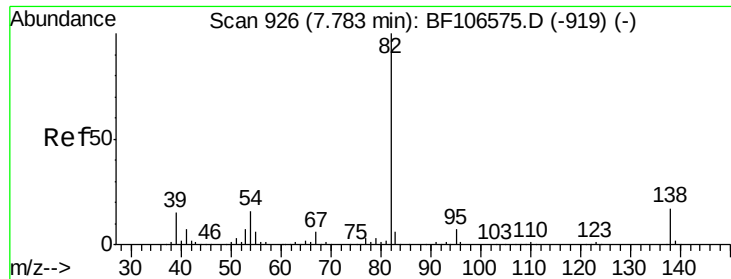
#23
Nitrobenzene-d5
Concen: 15.012 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion:	82	Resp:	103057
Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	49.9	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

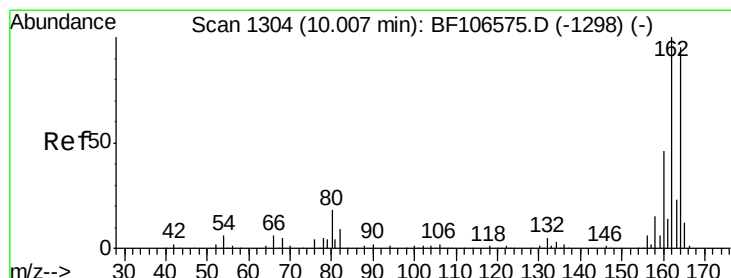
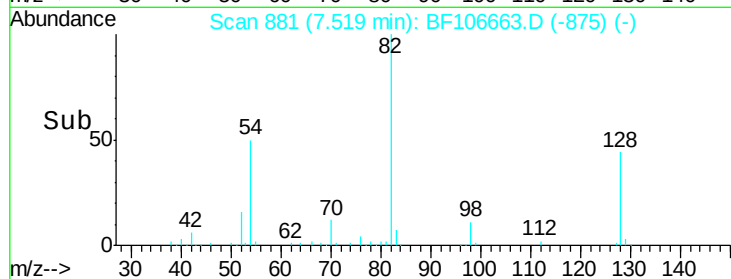
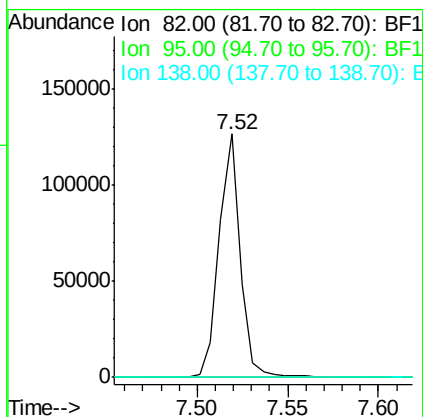
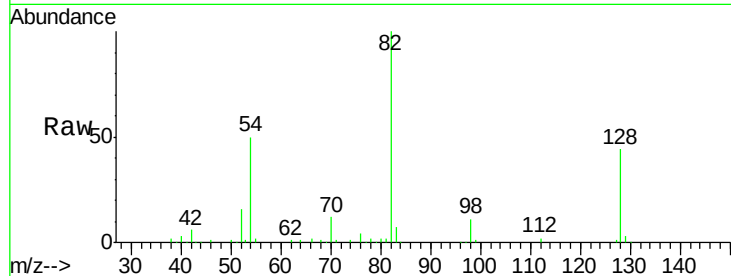




#25
Isophorone
Concen: 8.519 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

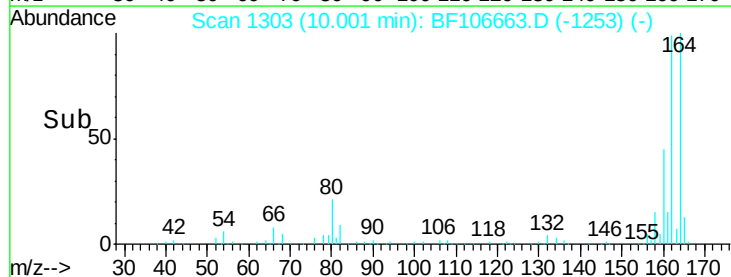
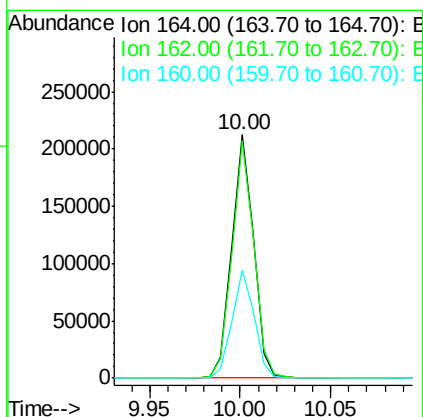
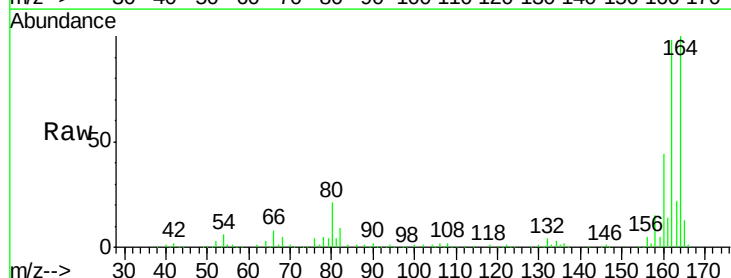
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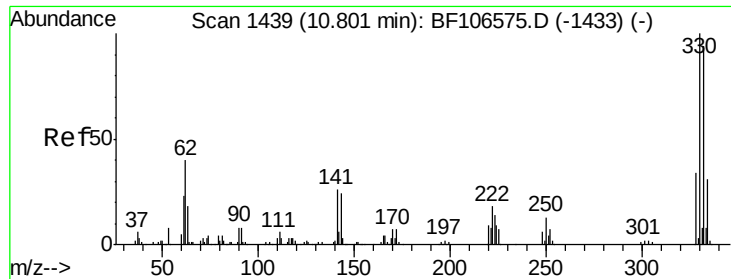
Tgt Ion: 82 Resp: 103055
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion: 164 Resp: 179036
Ion Ratio Lower Upper
164 100
162 97.5 86.1 129.1
160 44.1 38.3 57.5

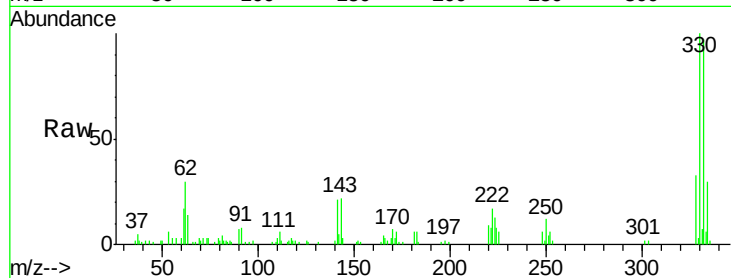




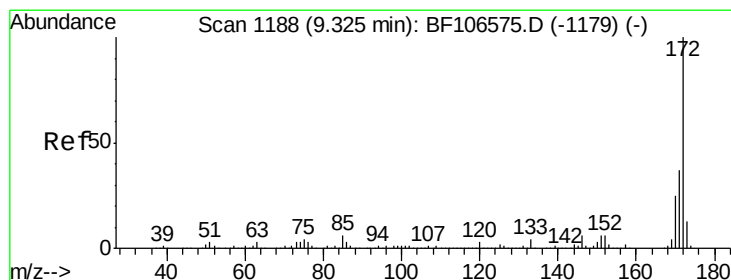
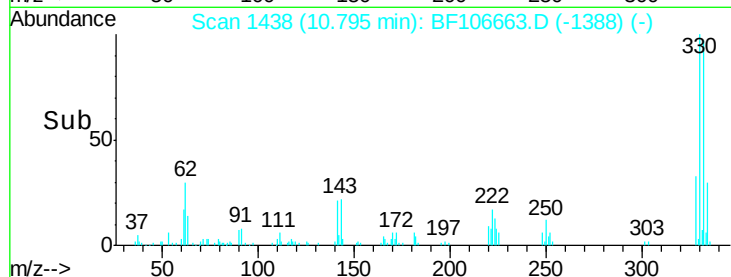
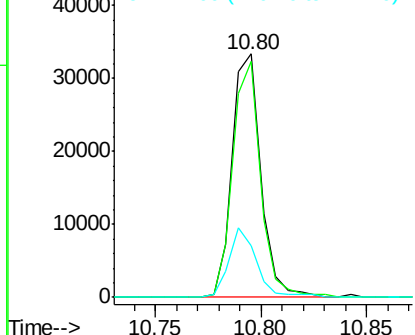
#41
 2,4,6-Tribromophenol
 Concen: 15.017 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(S)

Tgt Ion:330 Resp: 31162
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 27.9 29.9 44.9#

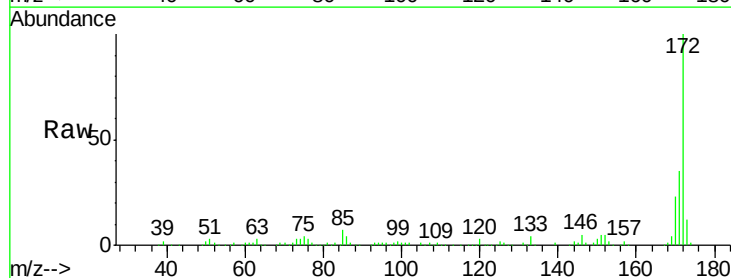


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

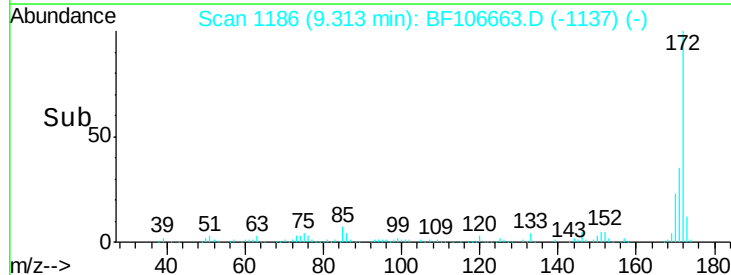
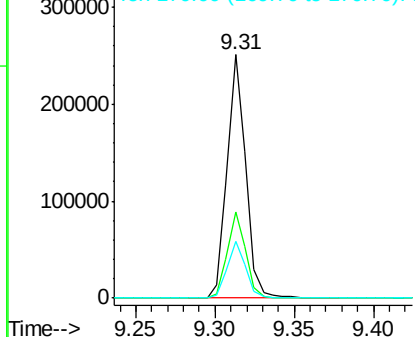


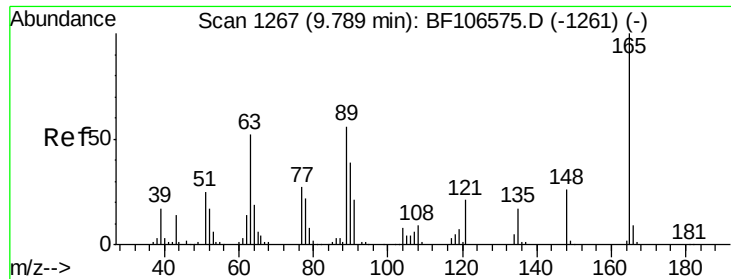
#44
 2-Fluorobiphenyl
 Concen: 5.422 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

Tgt Ion:172 Resp: 203426
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.4 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

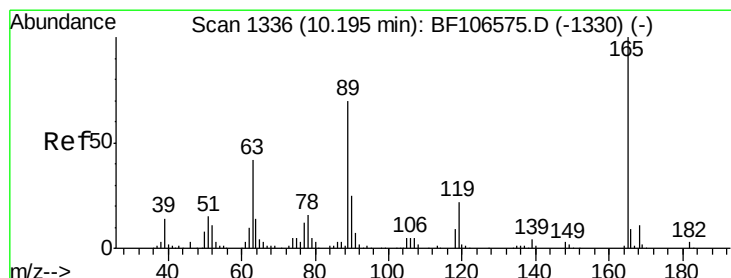
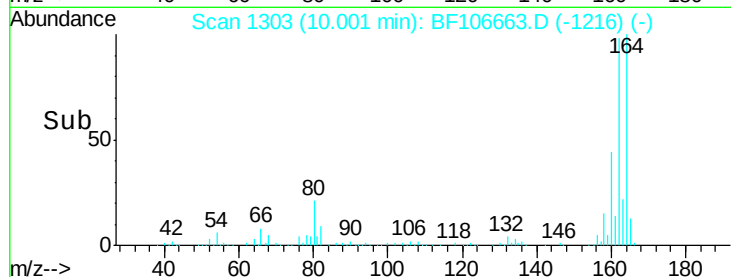
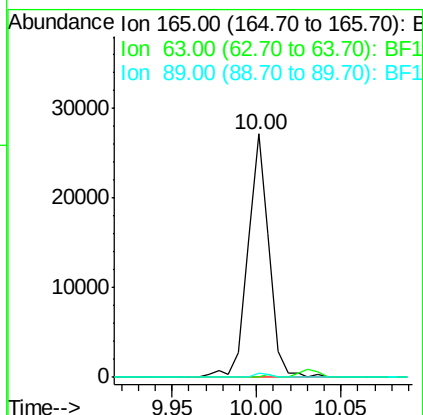
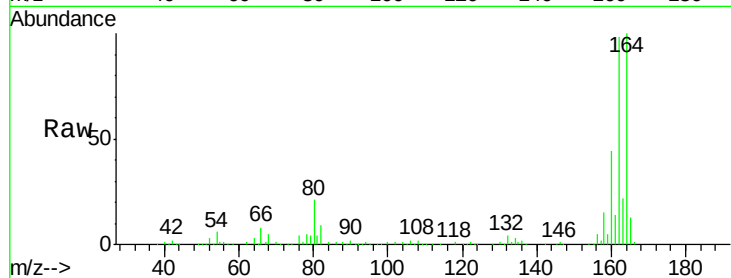




#50
2,6-Dinitrotoluene
Concen: 8.261 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

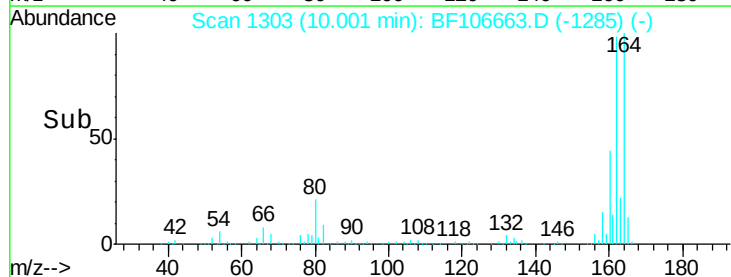
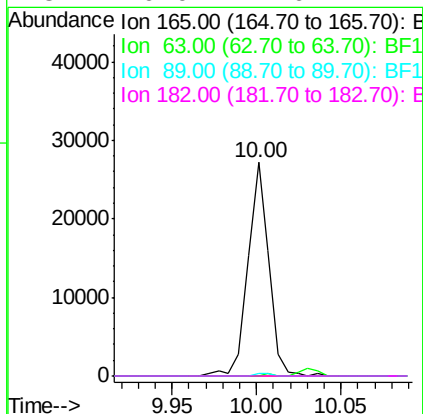
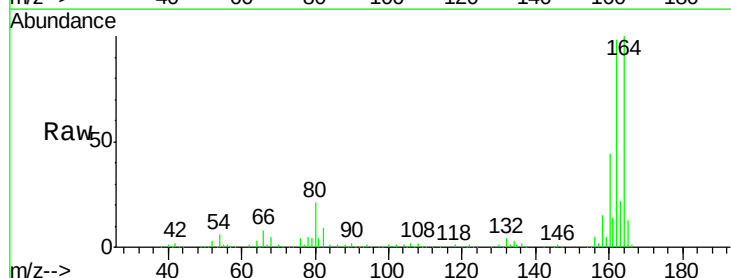
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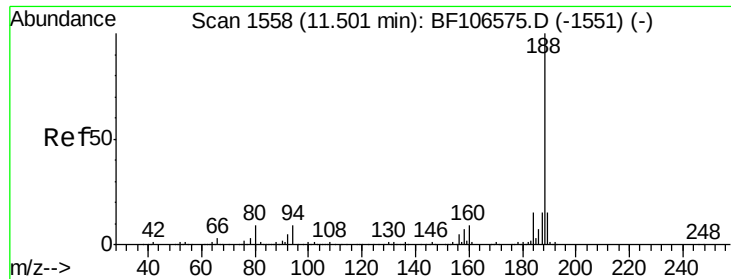
Tgt Ion:165 Resp: 23489
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.5 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 6.329 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion:165 Resp: 23489
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

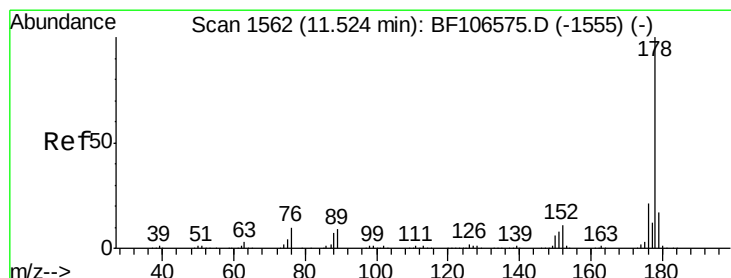
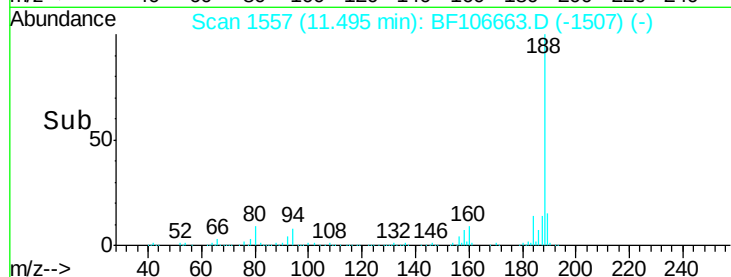
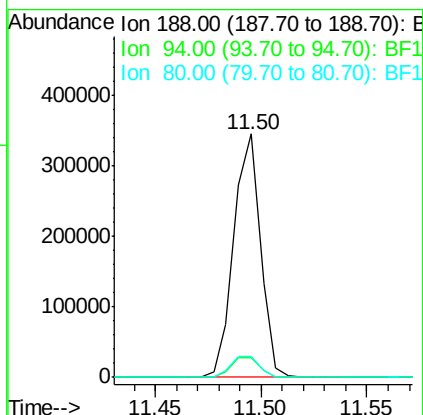
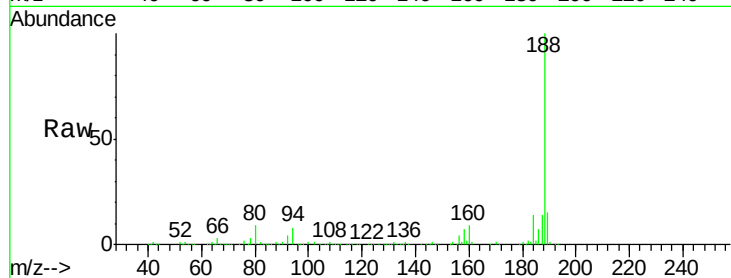




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

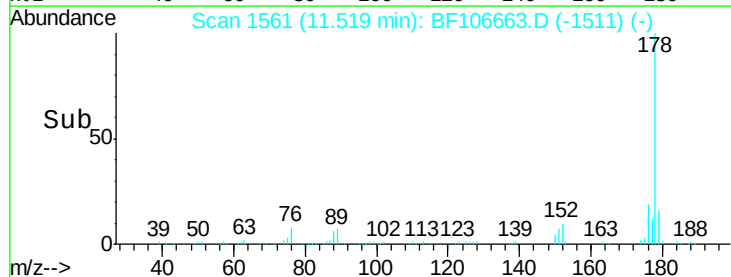
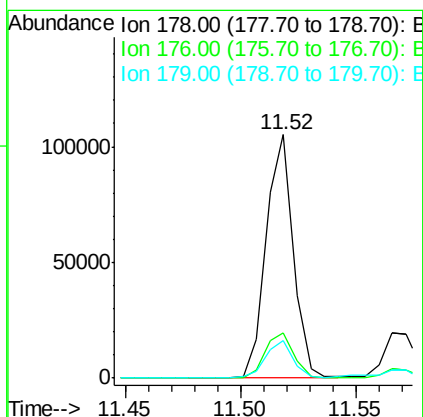
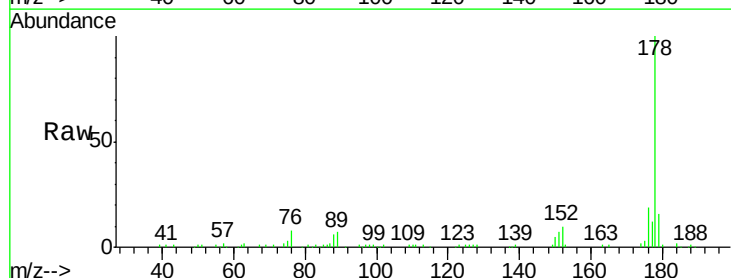
Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

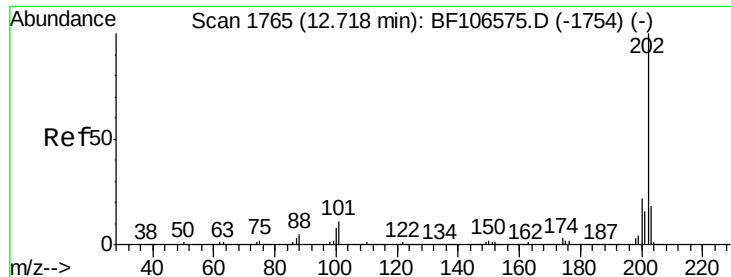
Tgt Ion:188 Resp: 300239
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 8.8 9.2 13.8#



#70
Phenanthrene
Concen: 5.956 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion:178 Resp: 86244
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.7 13.0 19.6





#74

Fluoranthene

Concen: 6.741 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

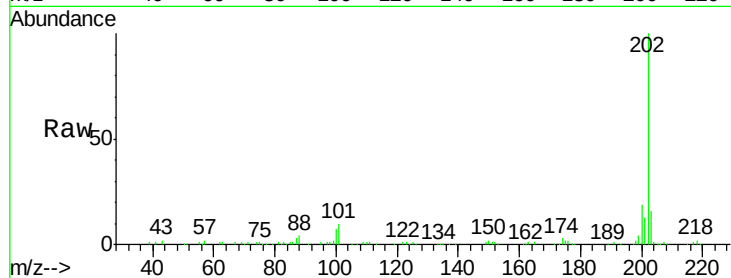
Instrument :

BNA_F

ClientSampleId :

AREA-3(S)

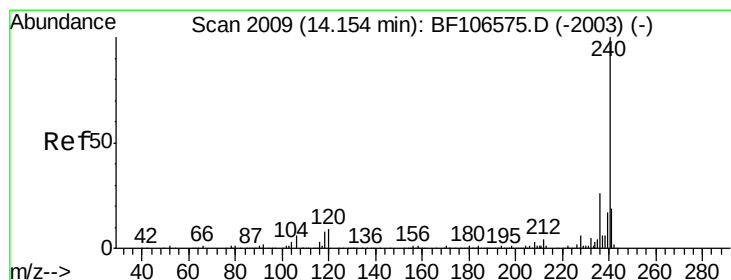
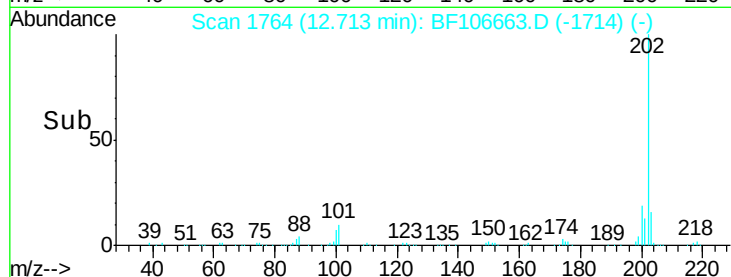
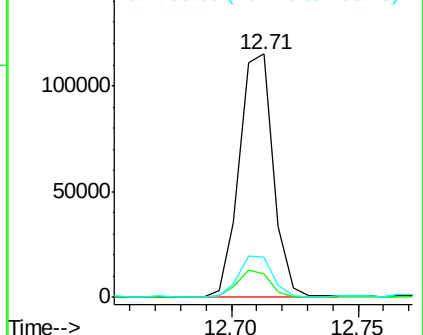
Tgt Ion:	202	Resp:	107597
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	16.4	0.0	38.1



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

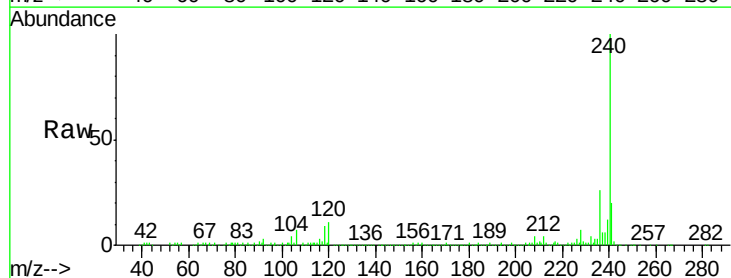
RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

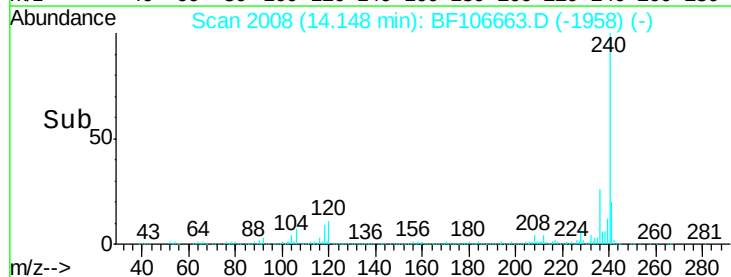
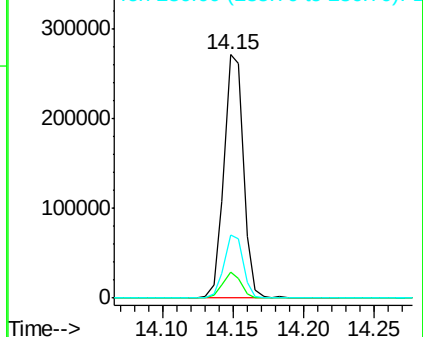
Tgt Ion:	240	Resp:	262887
Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.1	20.7	31.1

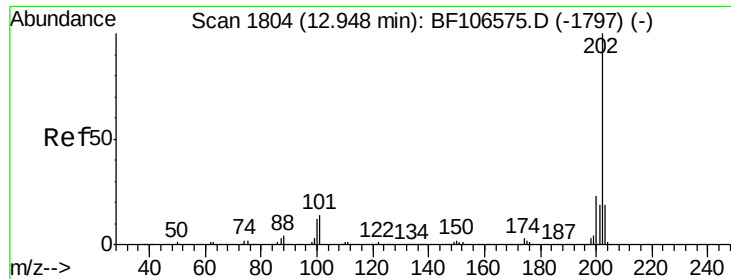


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

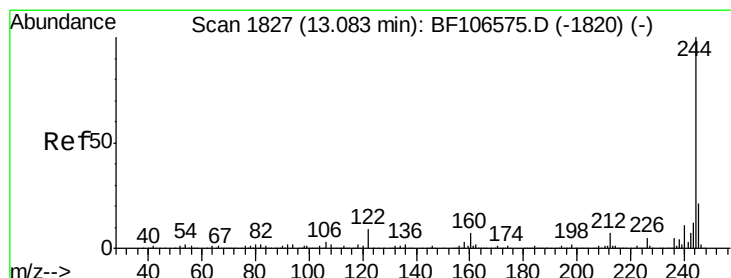
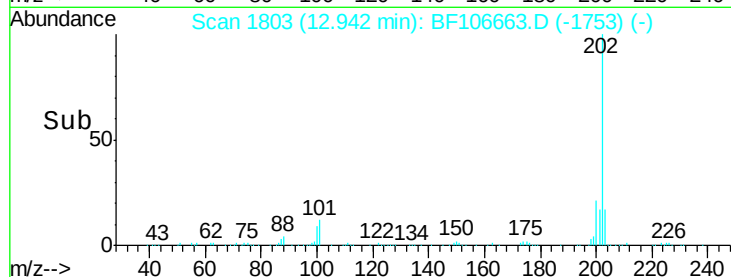
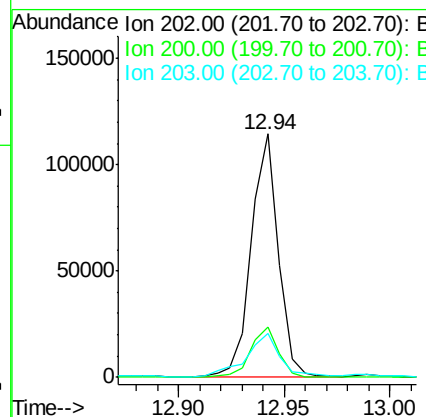
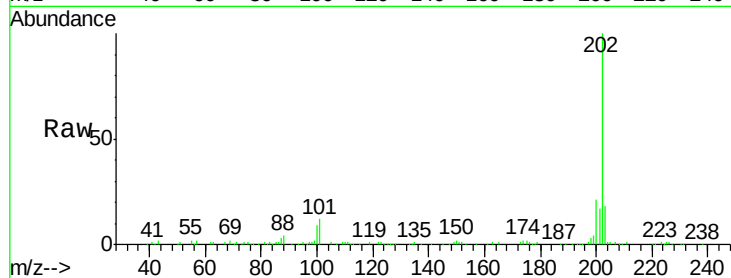




#77
 Pyrene
 Concen: 5.925 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

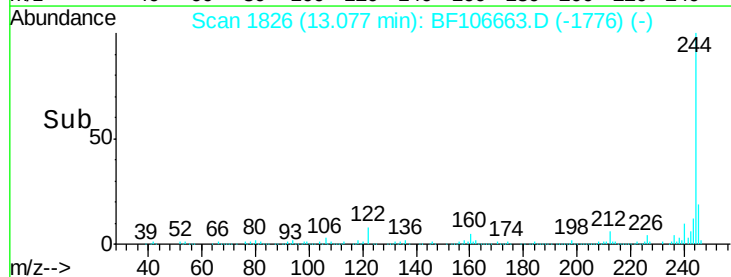
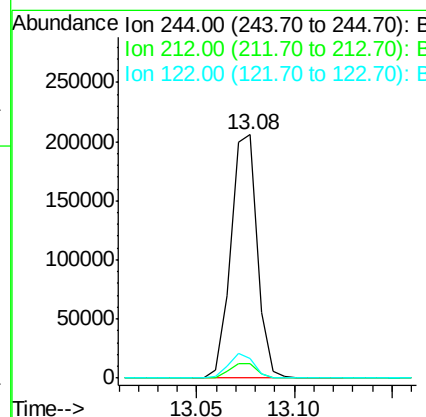
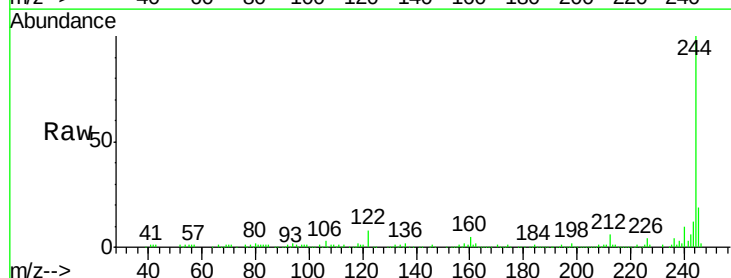
Instrument :
 BNA_F
 ClientSampleId :
 AREA-3(S)

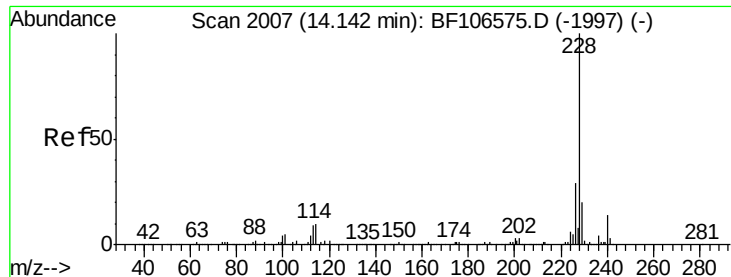
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5



#78
 Terphenyl-d14
 Concen: 17.761 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106663.D
 Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	8.1	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 3.164 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

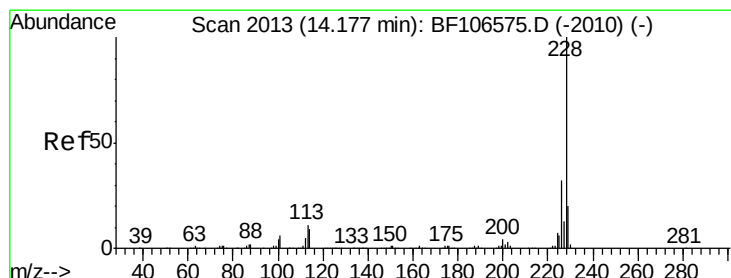
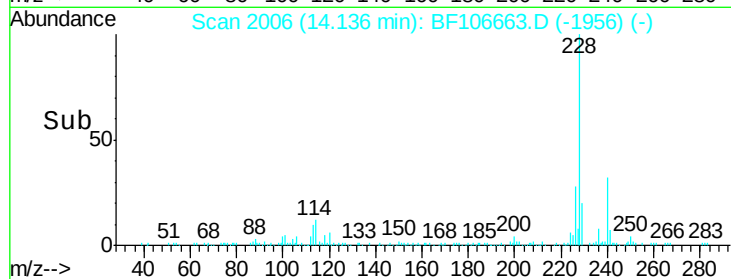
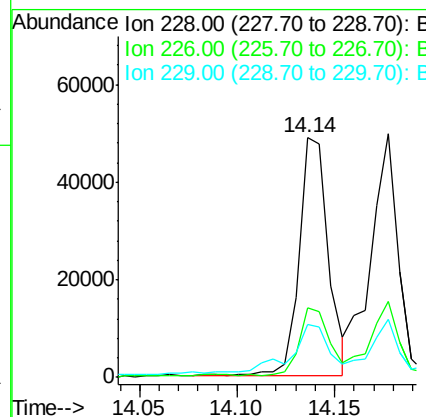
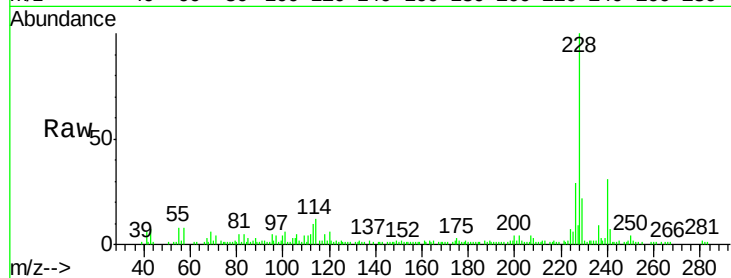
Instrument :

BNA_F

ClientSampleId :

AREA-3(S)

Tgt Ion:	228	Resp:	50701
Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.3	15.8	23.6



#82

Chrysene

Concen: 3.292 ng

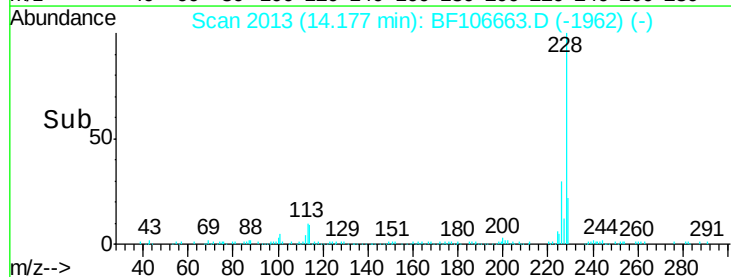
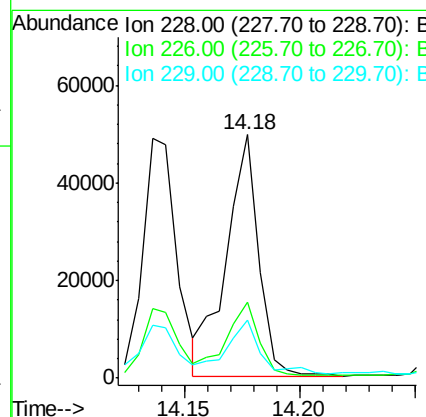
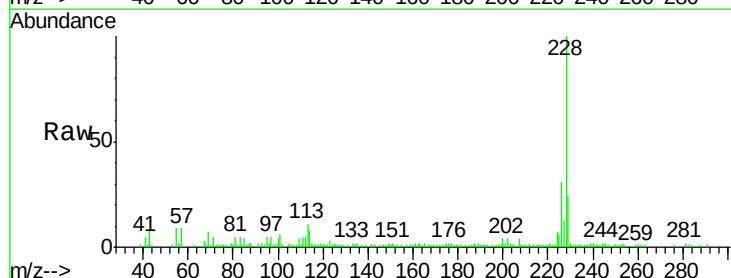
RT: 14.18 min Scan# 2013

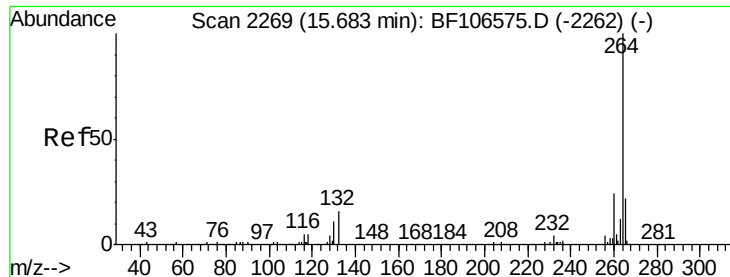
Delta R.T. 0.00 min

Lab File: BF106663.D

Acq: 21 Jun 2018 15:53

Tgt Ion:	228	Resp:	48518
Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	24.0	16.2	24.4

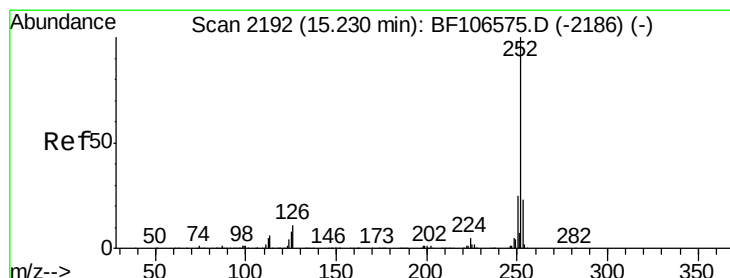
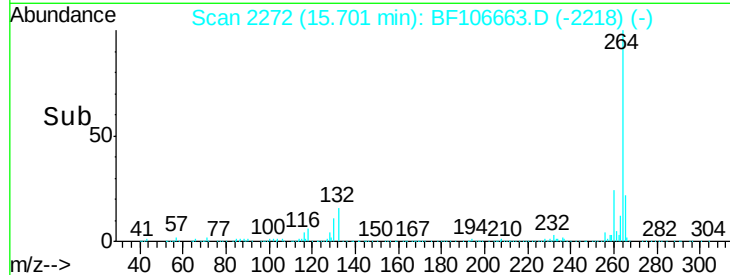
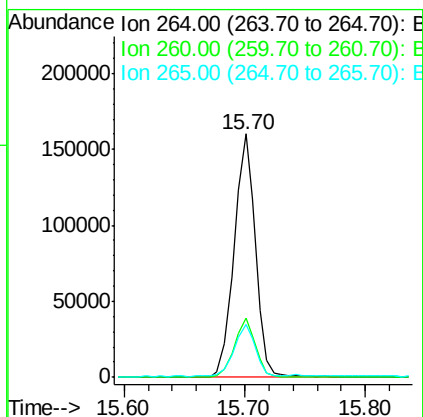
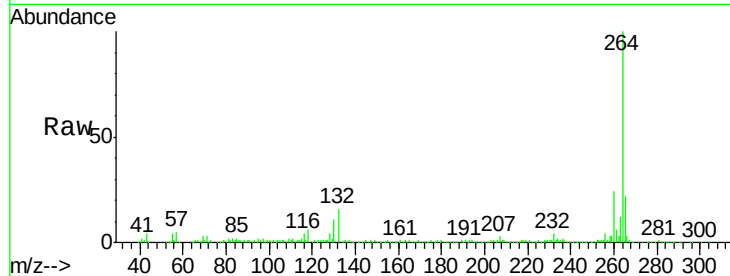




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

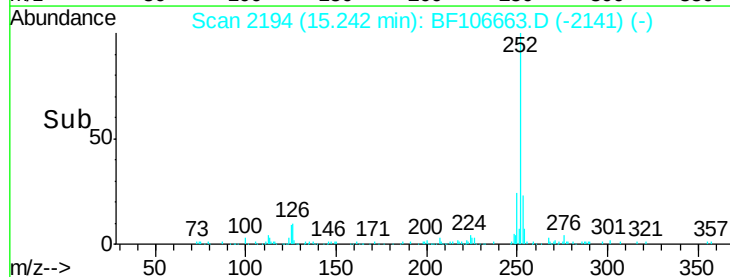
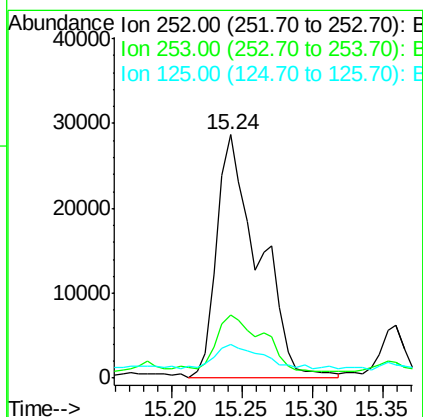
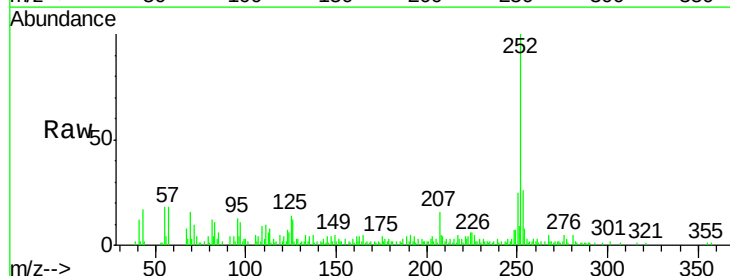
Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

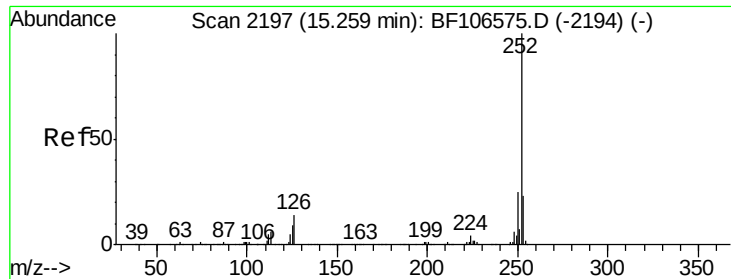
Tgt Ion:264 Resp: 198011
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.849 ng
RT: 15.24 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion:252 Resp: 59639
Ion Ratio Lower Upper
252 100
253 26.1 17.0 25.6#
125 13.8 9.0 13.6#

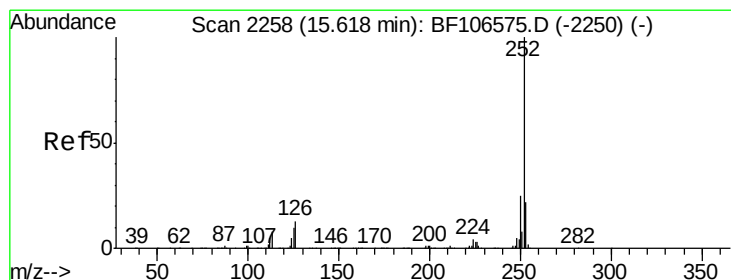
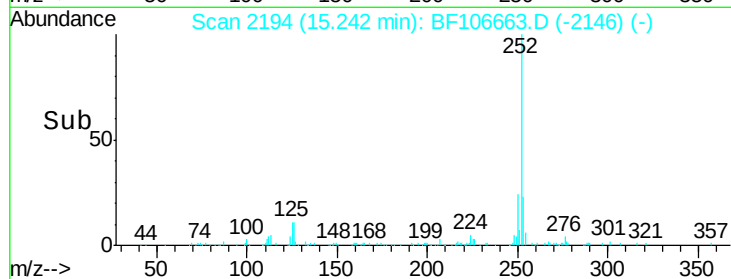
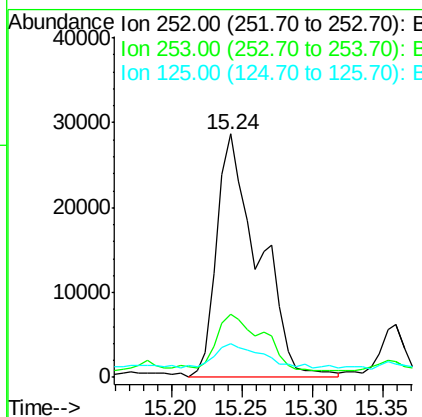
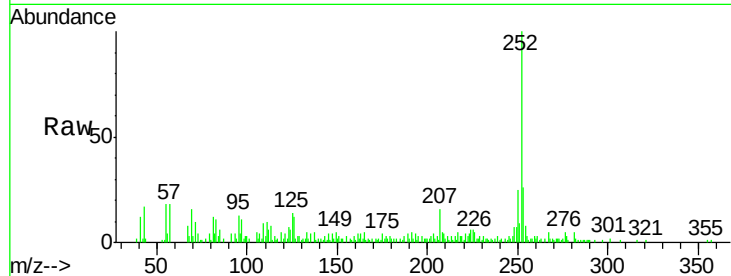




#88
Benzo(k)fluoranthene
Concen: 5.091 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Instrument :
BNA_F
ClientSampleId :
AREA-3(S)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	13.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.642 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF106663.D
Acq: 21 Jun 2018 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.1	25.7#
125	14.4	9.8	14.6

