

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107716.D
 Acq On : 26 Jul 2018 22:43
 Operator : JU/SJ
 Sample : J4109-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(3-5)

Quant Time: Jul 27 01:15:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	184773	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	771560	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	332203	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	570136	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	432183	20.00	ng	-0.02
86) Perylene-d12	15.68	264	478816	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1058185	92.08	ng	-0.01
7) Phenol-d6	6.60	99	1291653	93.60	ng	-0.02
23) Nitrobenzene-d5	7.52	82	843448	73.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	377814	100.01	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1493649	74.38	ng	-0.02
78) Terphenyl-d14	13.08	244	1034049	61.25	ng	-0.02

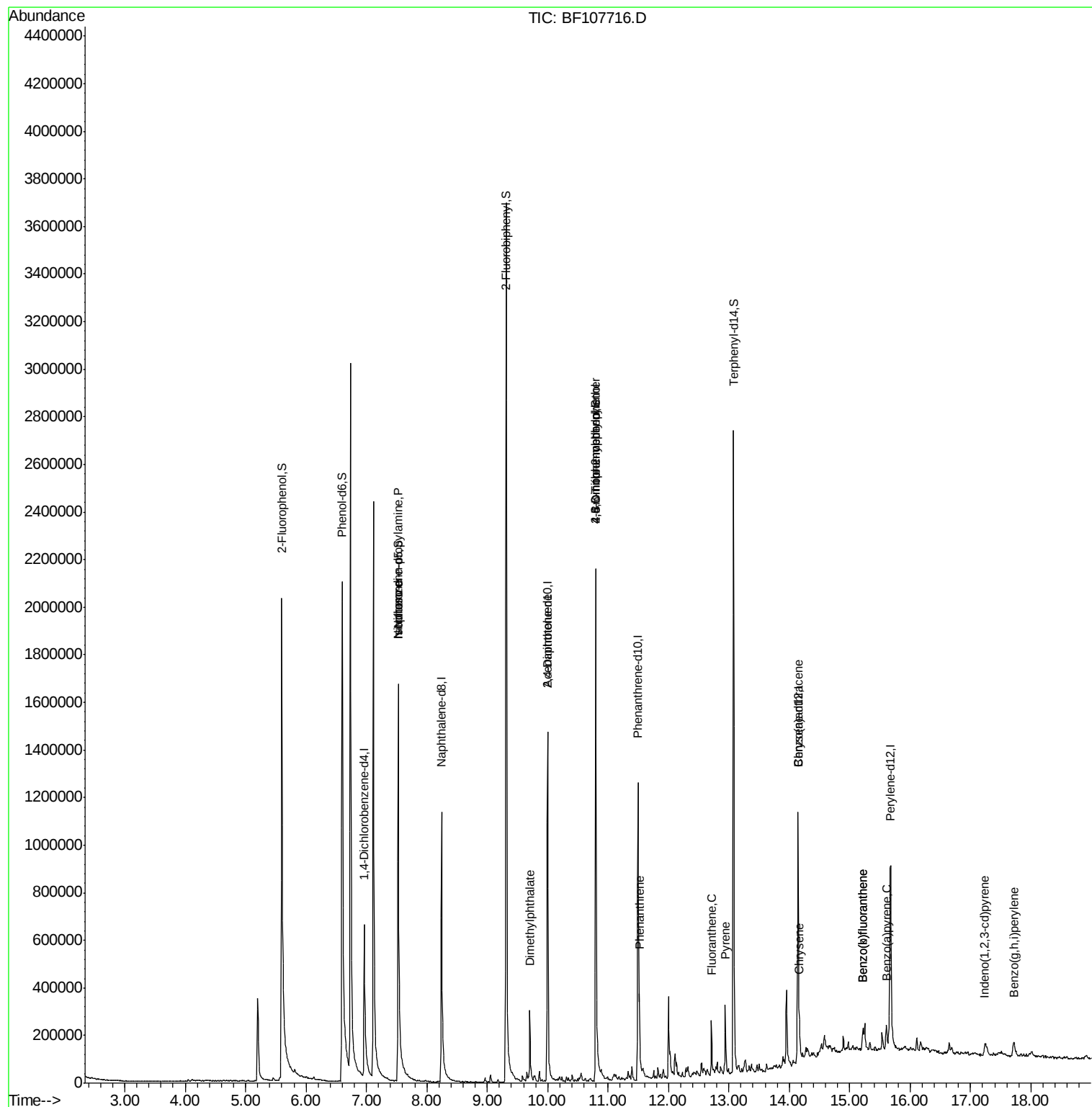
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	105303	11.813	ng	# 81
25) Isophorone	7.52	82	849895	34.817	ng	# 64
49) Dimethylphthalate	9.71	163	152142	6.077	ng	99
56) 2,4-Dinitrotoluene	10.00	165	44197	7.366	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	597	8.858	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	21845	3.255	ng	# 1
70) Phenanthrene	11.52	178	122203	4.398	ng	96
73) Di-n-butylphthalate	12.04	149	4930	Below Cal		# 83
74) Fluoranthene	12.71	202	111717	3.747	ng	96
77) Pyrene	12.94	202	146705	4.963	ng	96
80) Benzo(a)anthracene	14.14	228	55129	2.177	ng	# 60
81) 3,3'-Dichlorobenzidine	14.11	252	111	Below Cal		# 27
82) Chrysene	14.17	228	55960	2.300	ng	96
85) Indeno(1,2,3-cd)pyrene	17.24	276	43989	2.133	ng	92
87) Benzo(b)fluoranthene	15.22	252	89080	3.399	ng	95
88) Benzo(k)fluoranthene	15.22	252	89080	3.470	ng	97
89) Benzo(a)pyrene	15.61	252	58079	2.423	ng	98
91) Benzo(g,h,i)perylene	17.72	276	67531	3.304	ng	95

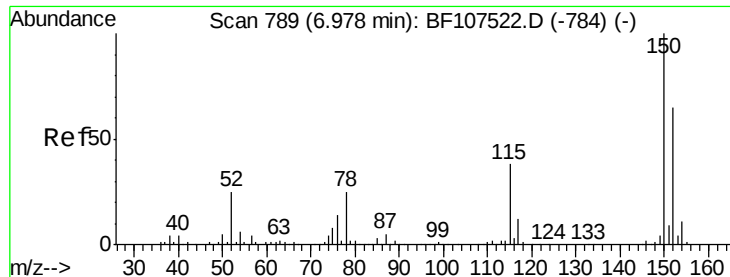
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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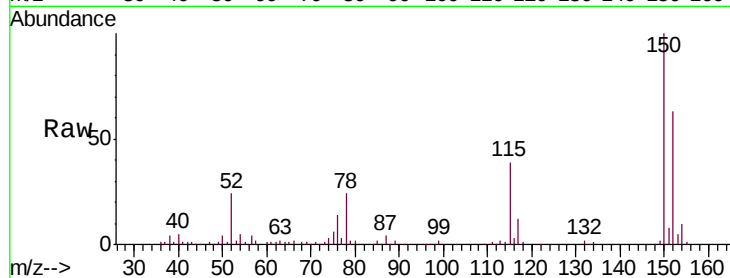


#1

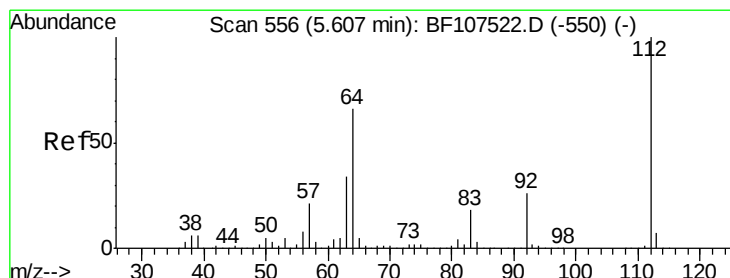
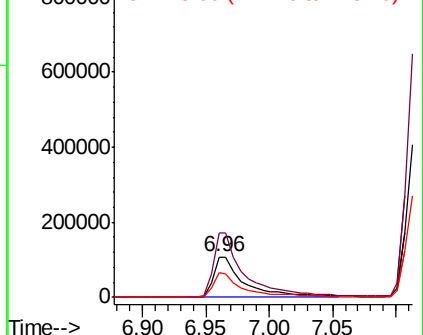
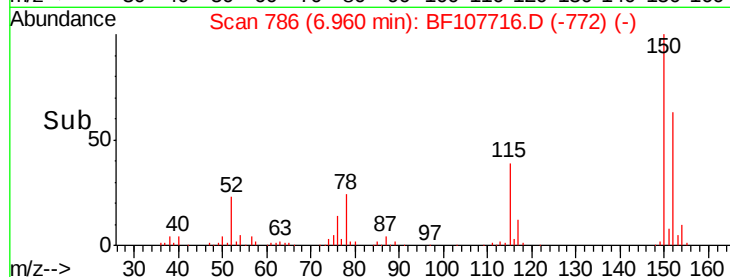
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion:152 Resp: 184773
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 61.9 50.1 75.1



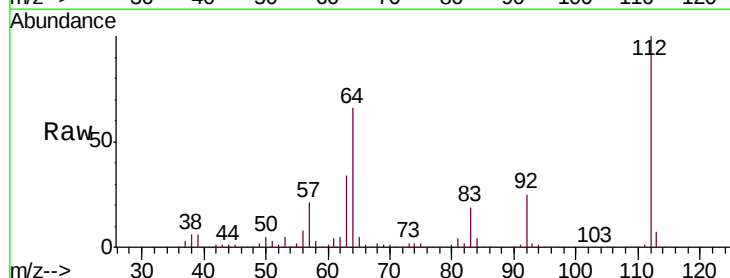
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



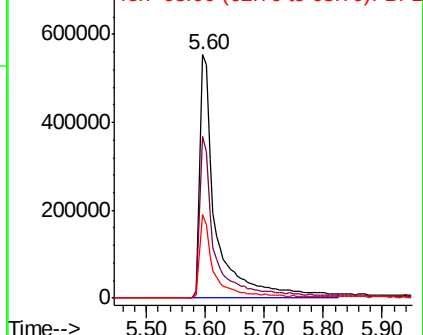
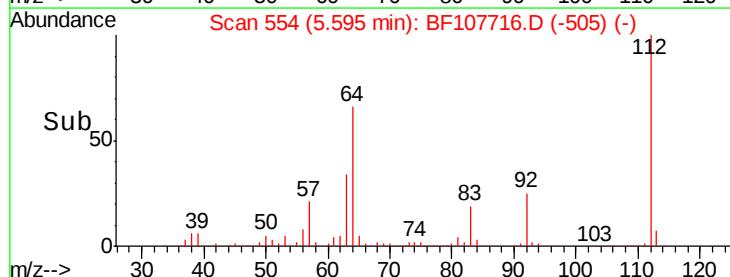
#5

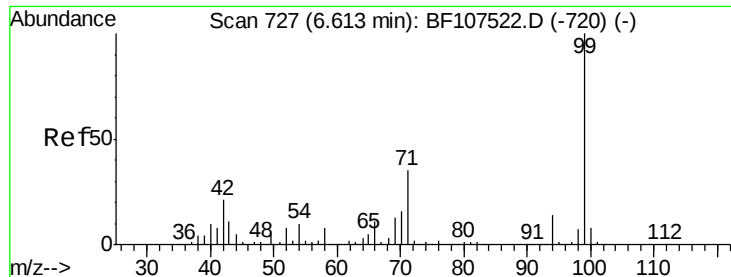
2-Fluorophenol
Concen: 92.078 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion:112 Resp: 1058185
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 34.4 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: 93.604 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

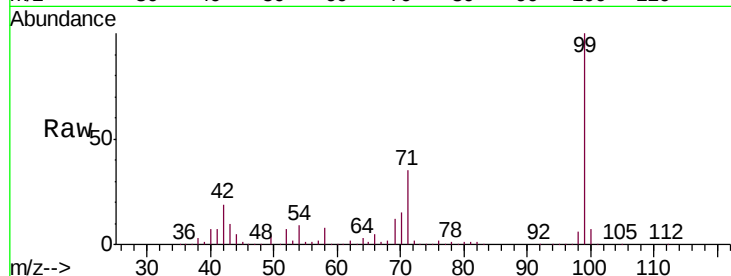
Tgt Ion: 99 Resp: 1291653

Ion Ratio Lower Upper

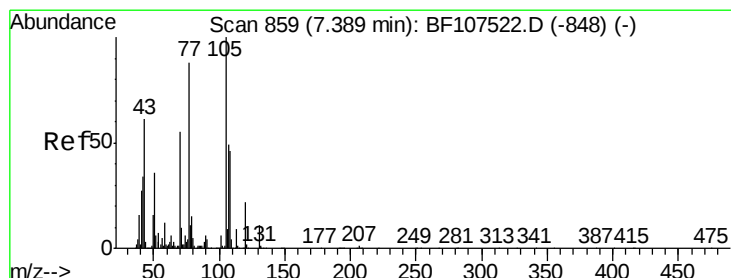
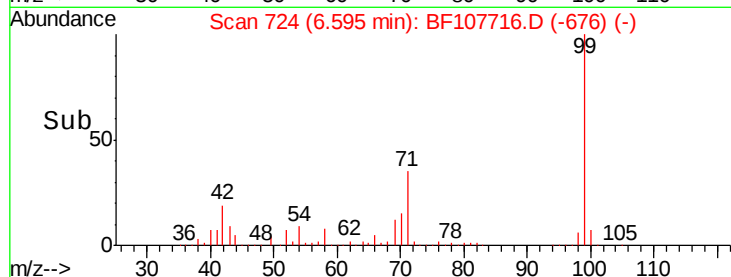
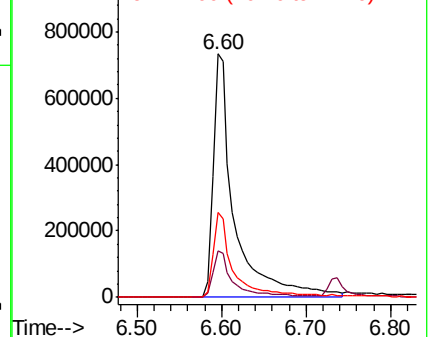
99 100

42 19.1 14.5 21.7

71 34.7 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: 11.813 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Tgt Ion: 70 Resp: 105303

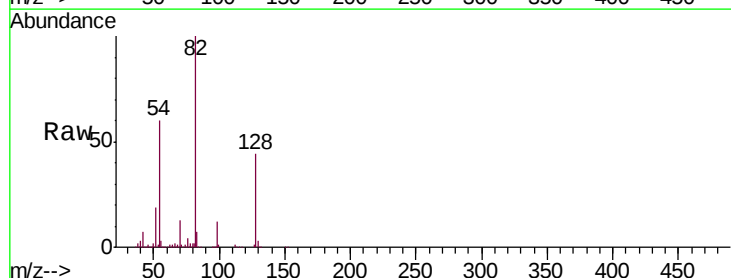
Ion Ratio Lower Upper

70 100

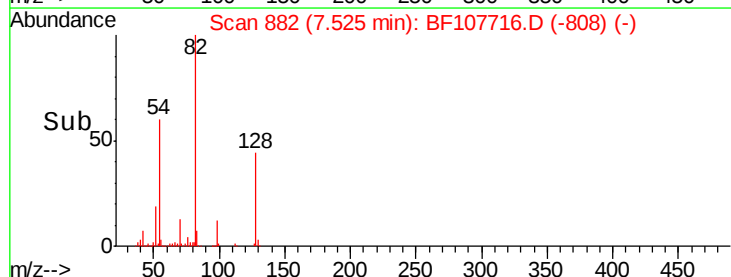
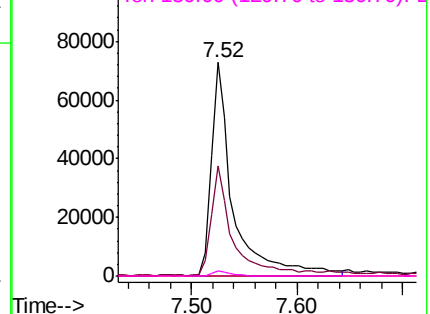
42 51.3 47.5 71.3

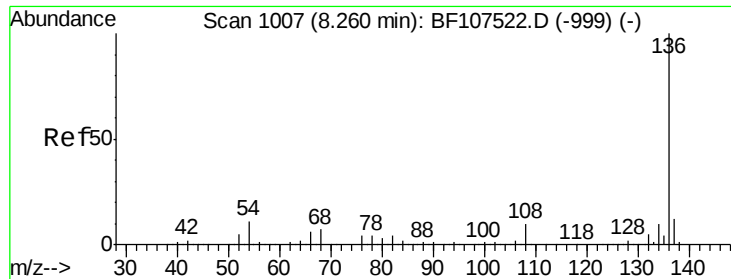
101 0.0 7.4 11.2#

130 2.4 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

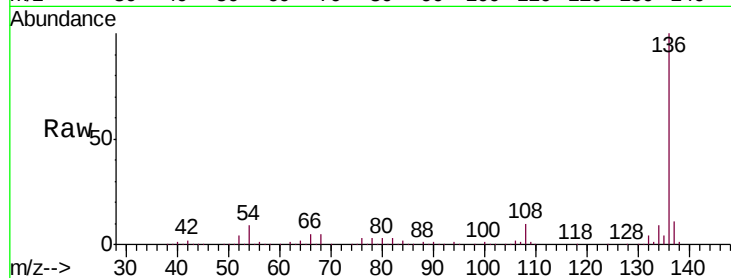




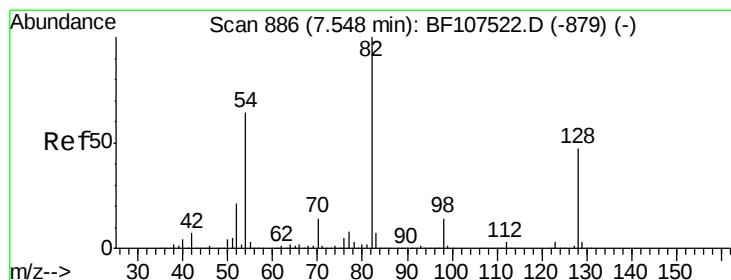
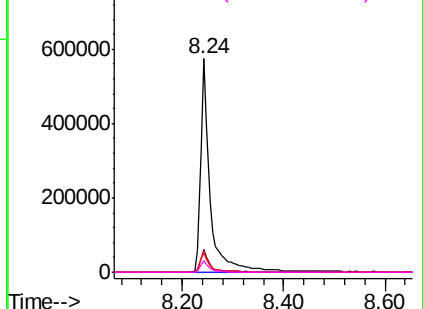
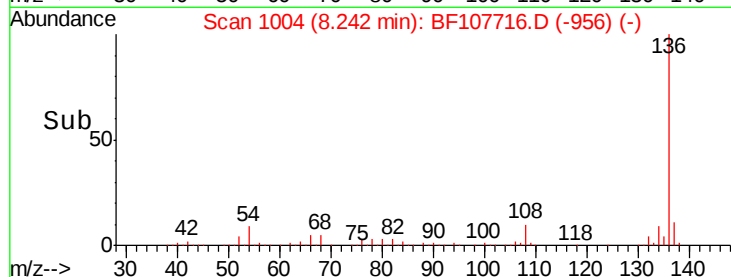
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion:	136	Resp:	771560
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	6.6	9.8
68	5.3	5.0	7.4

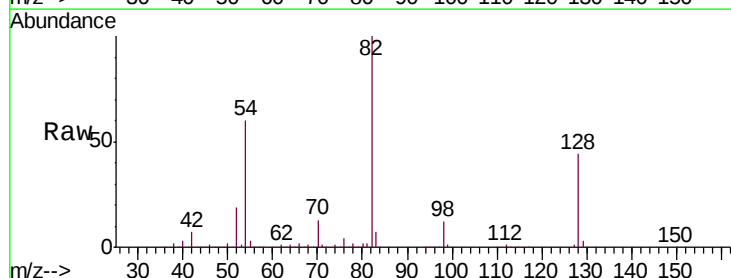


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

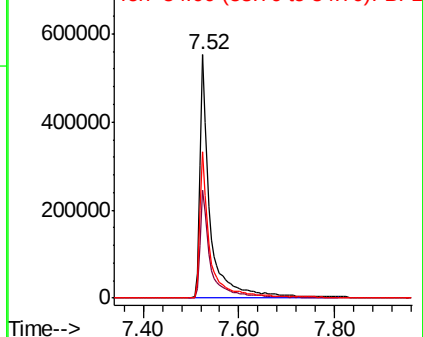
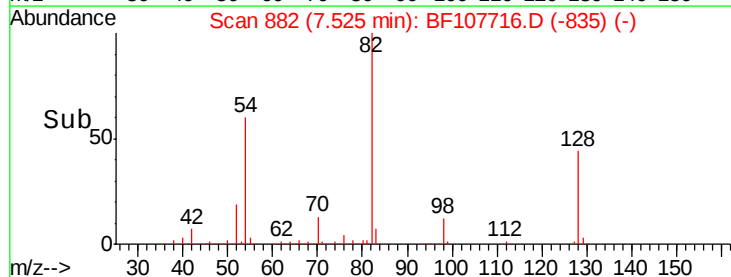


#23
Nitrobenzene-d5
Concen: 73.776 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion:	82	Resp:	843448
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	59.9	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

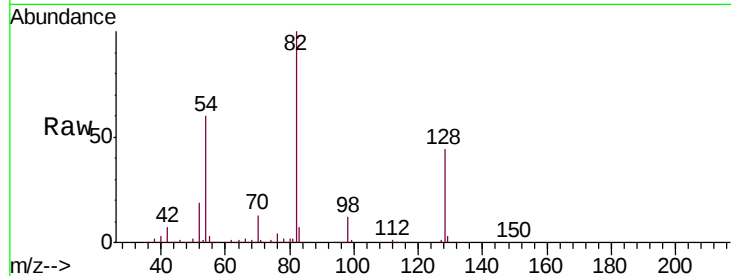




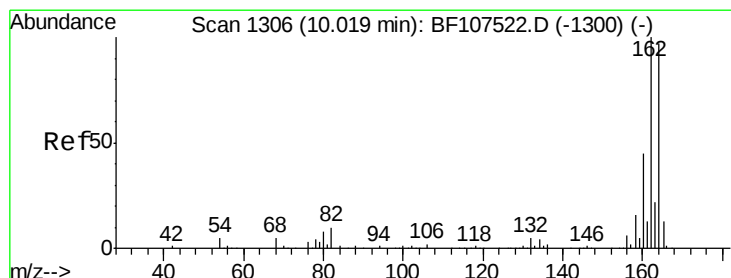
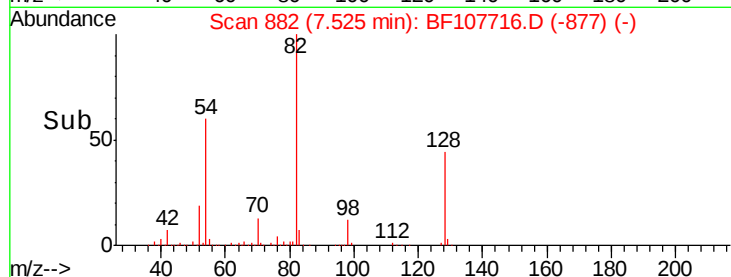
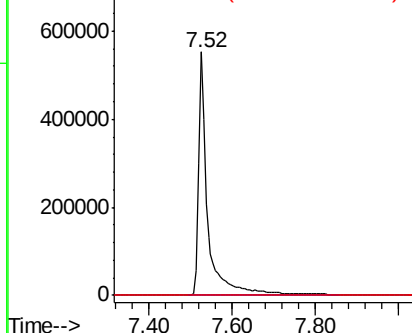
#25
Isophorone
Concen: 34.817 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion: 82 Resp: 849895
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#

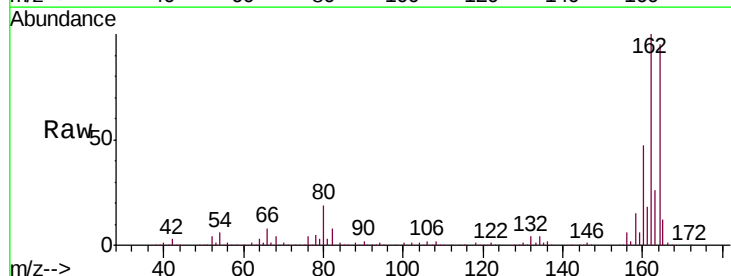


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

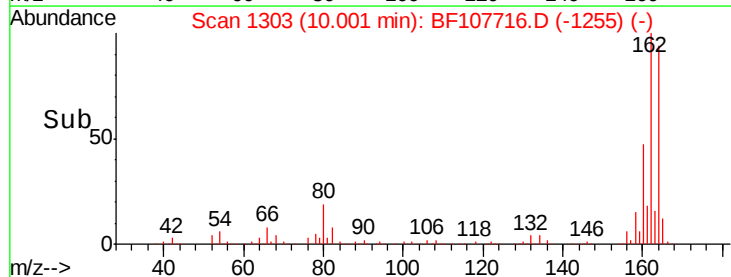
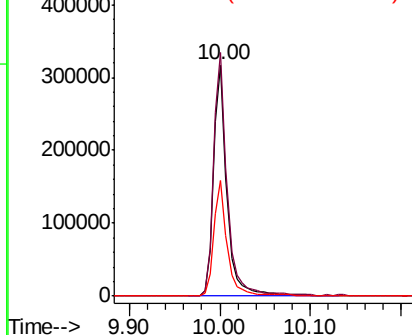


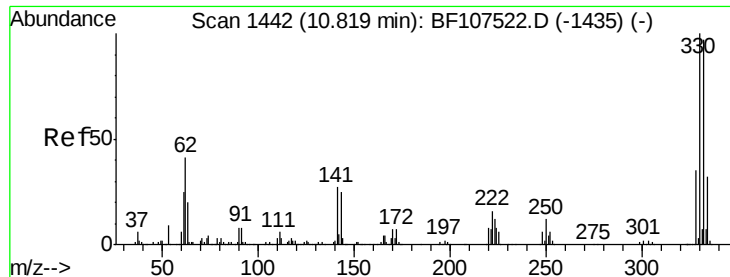
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion: 164 Resp: 332203
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 49.8 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

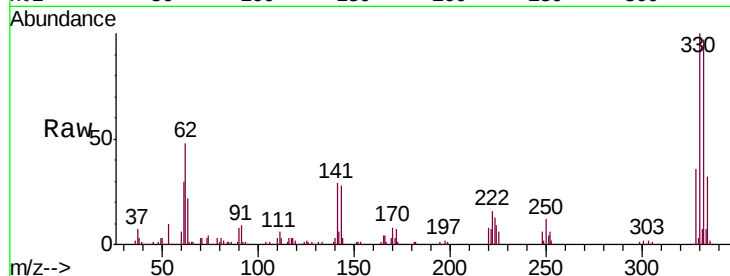




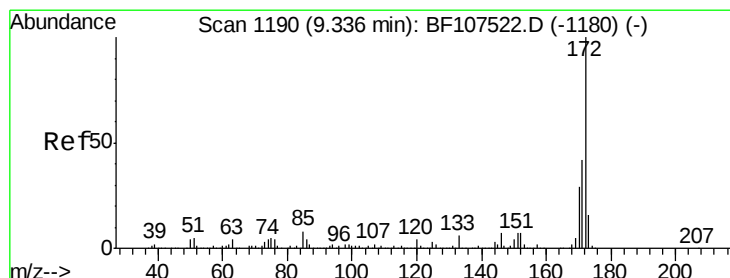
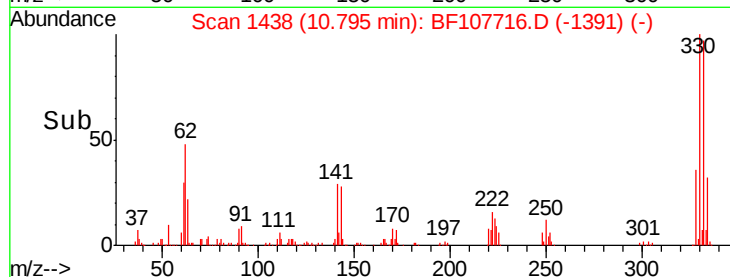
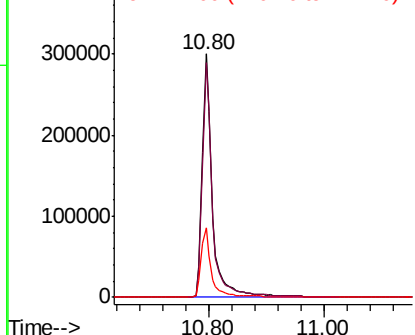
#41
 2,4,6-Tribromophenol
 Concen: 100.013 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Instrument :
 BNA_F
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 SB-10(3-5)

Tgt Ion:330 Resp: 377814
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 28.0 29.9 44.9#

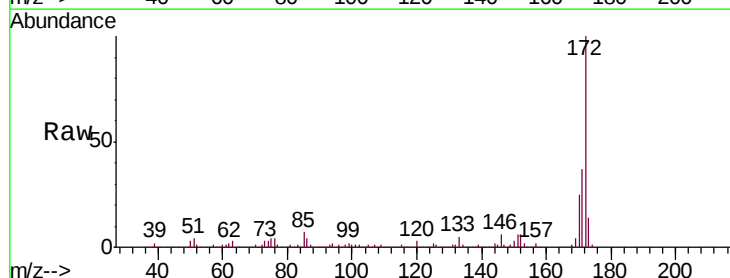


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

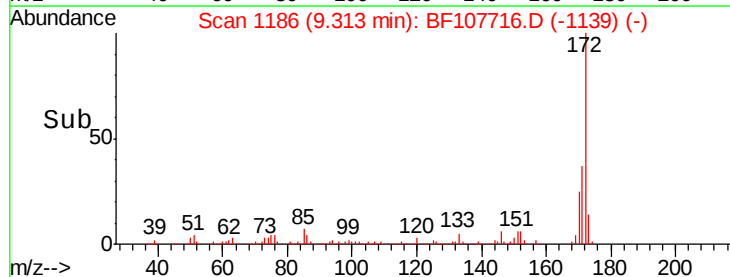
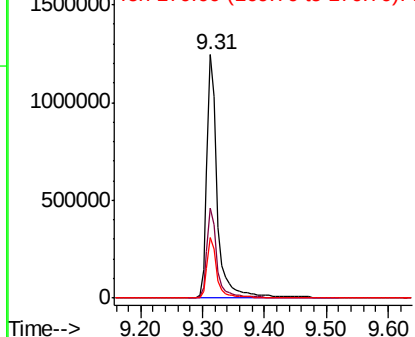


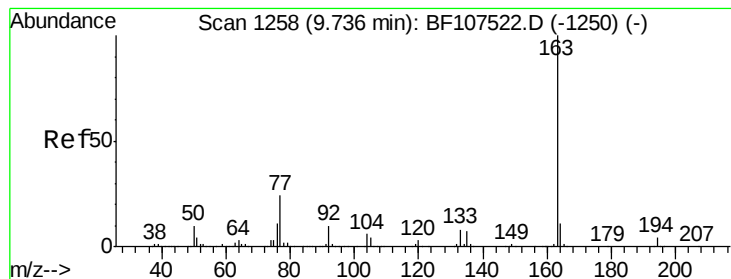
#44
 2-Fluorobiphenyl
 Concen: 74.380 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Tgt Ion:172 Resp: 1493649
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.7 44.5
 170 25.0 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: 6.077 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

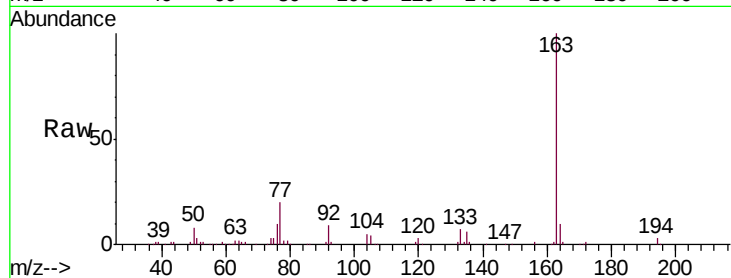
Tgt Ion:163 Resp: 152142

Ion Ratio Lower Upper

163 100

194 2.9 2.7 4.1

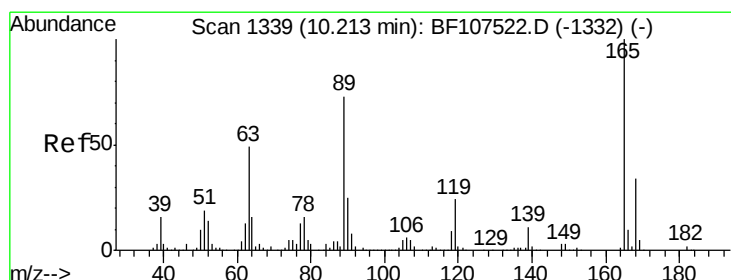
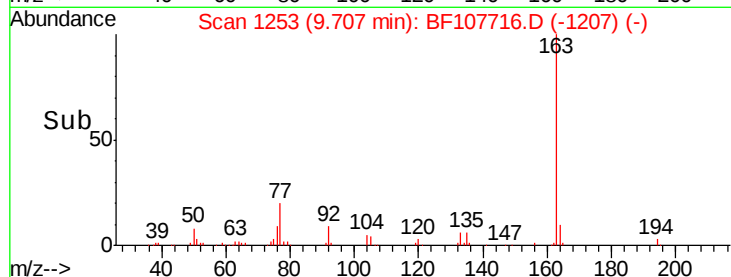
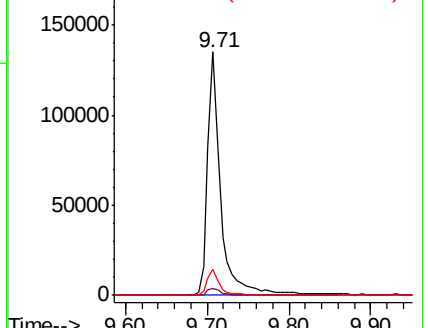
164 10.5 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.366 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Tgt Ion:165 Resp: 44197

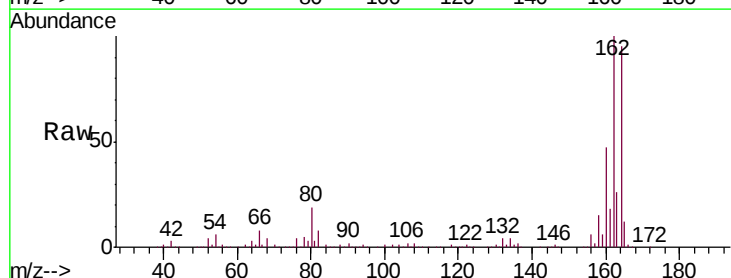
Ion Ratio Lower Upper

165 100

63 2.5 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

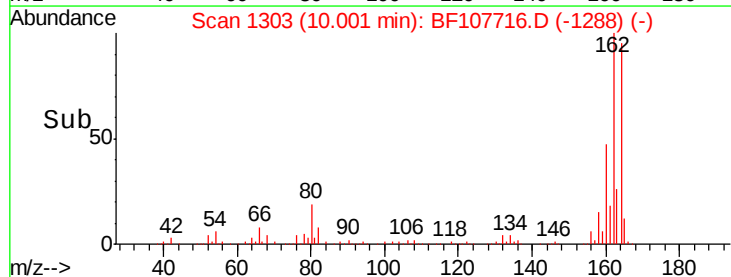
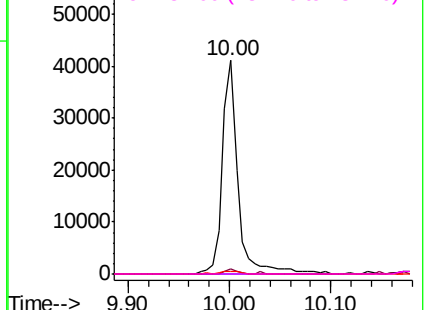


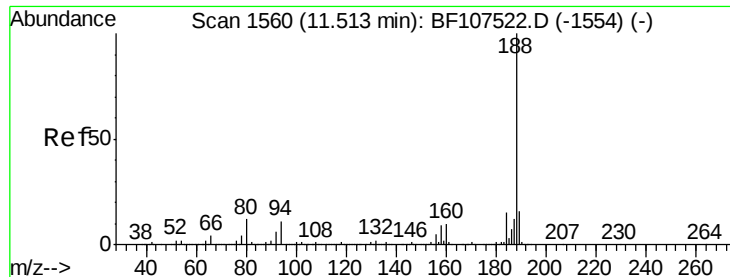
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

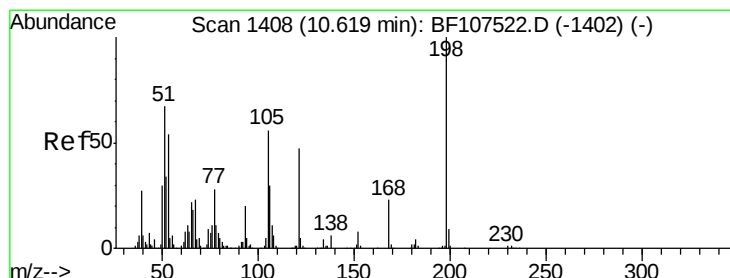
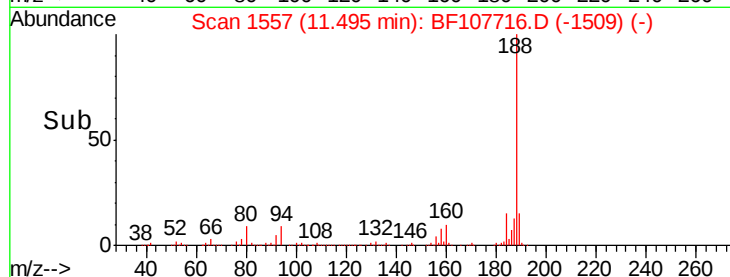
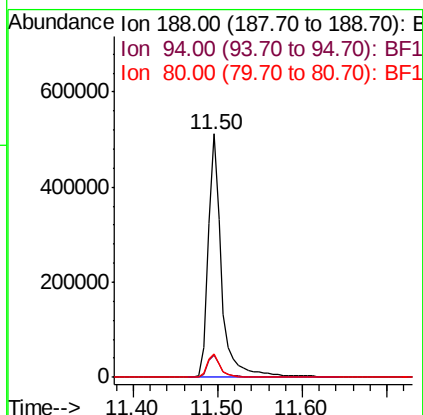
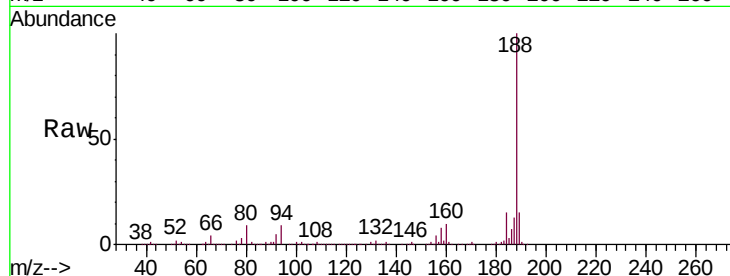




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

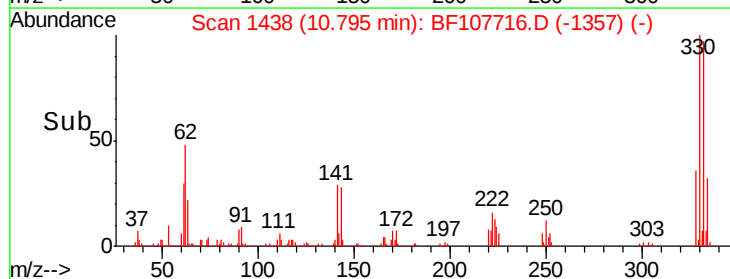
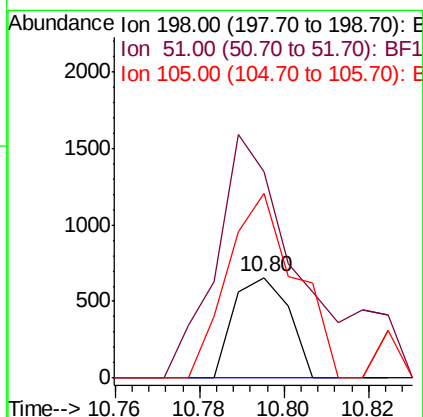
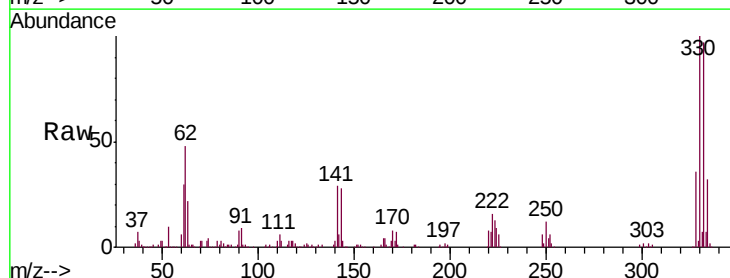
Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

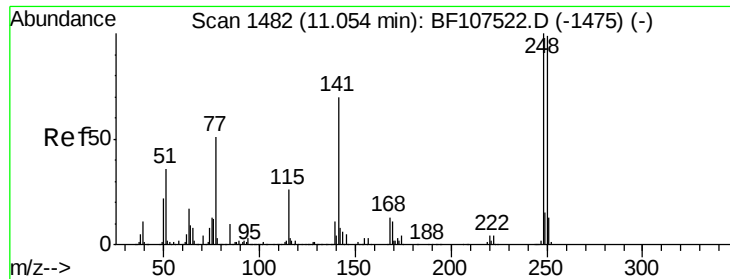
Tgt Ion:188 Resp: 570136
Ion Ratio Lower Upper
188 100
94 8.9 8.5 12.7
80 9.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.858 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion:198 Resp: 597
Ion Ratio Lower Upper
198 100
51 204.9 37.7 77.7#
105 183.9 36.3 76.3#

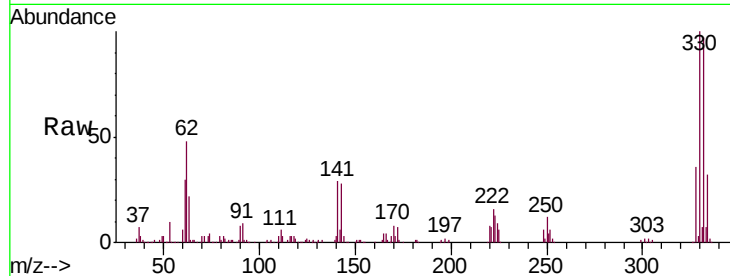




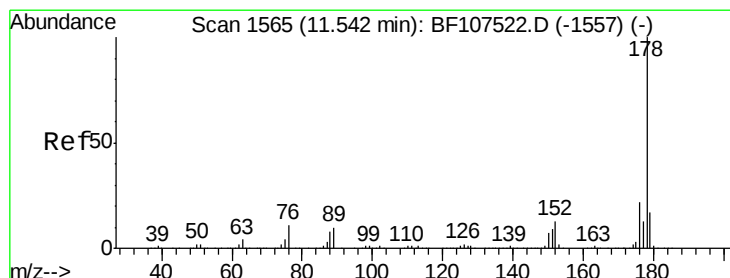
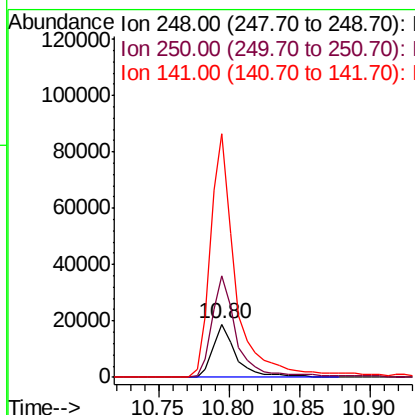
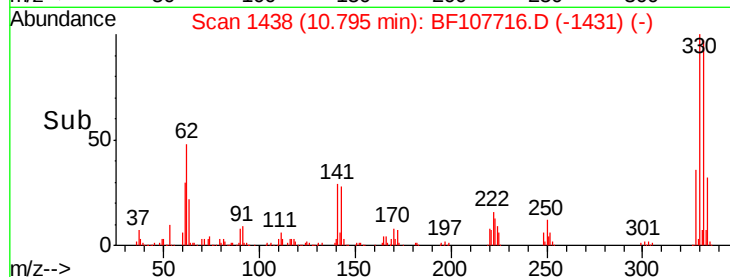
#66
4-Bromophenyl-phenylether
Concen: 3.255 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion:248 Resp: 21845
Ion Ratio Lower Upper
248 100
250 190.7 76.9 115.3#
141 459.7 74.4 111.6#

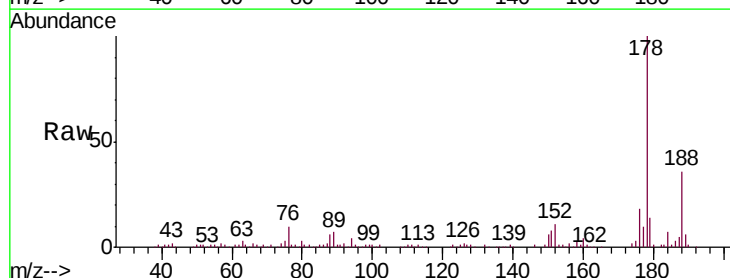


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

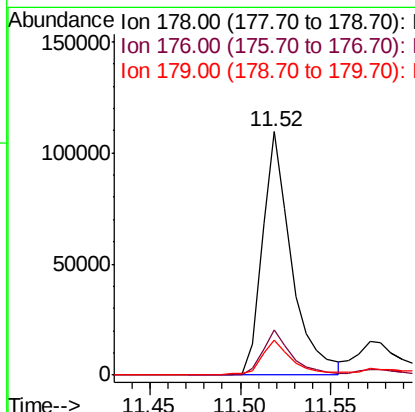
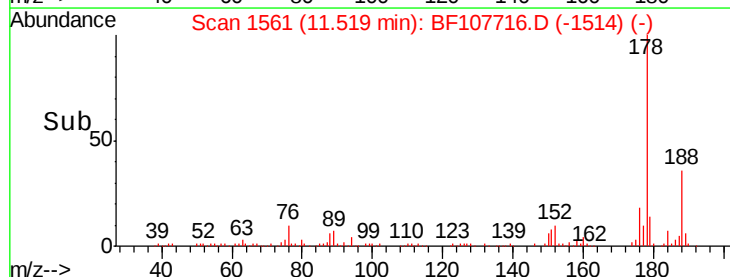


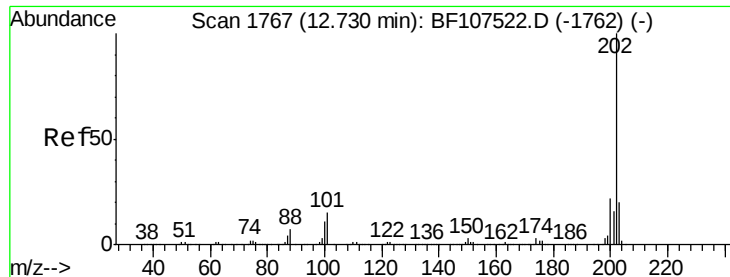
#70
Phenanthrene
Concen: 4.398 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion:178 Resp: 122203
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 14.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.747 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

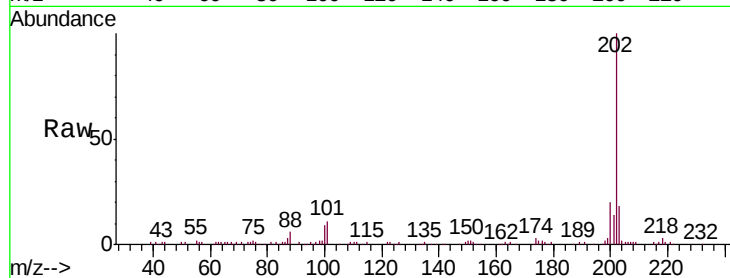
Instrument :

BNA_F

ClientSampled :

SB-10(3-5)

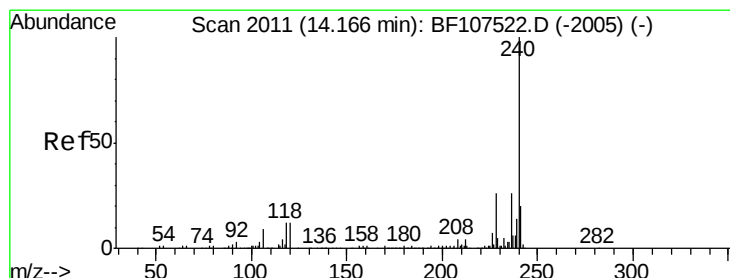
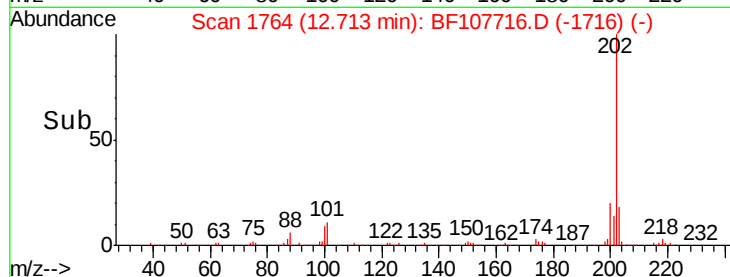
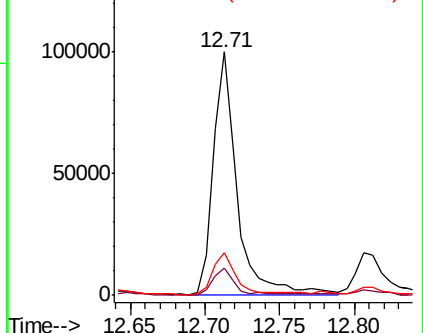
Tgt Ion:	202	Resp:	111717
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.6	0.0	38.1



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

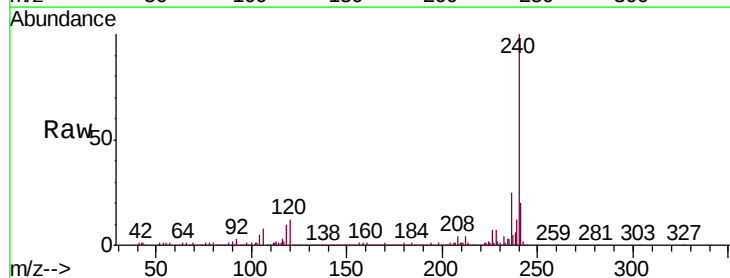
RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

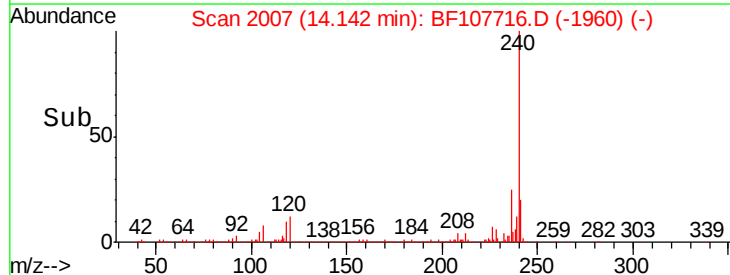
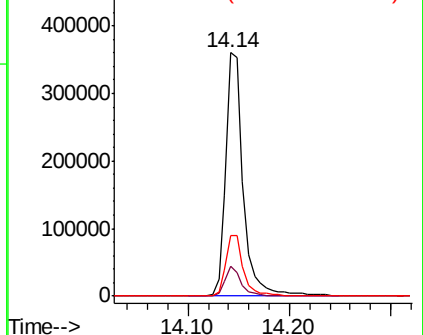
Tgt Ion:	240	Resp:	432183
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.1	20.7	31.1

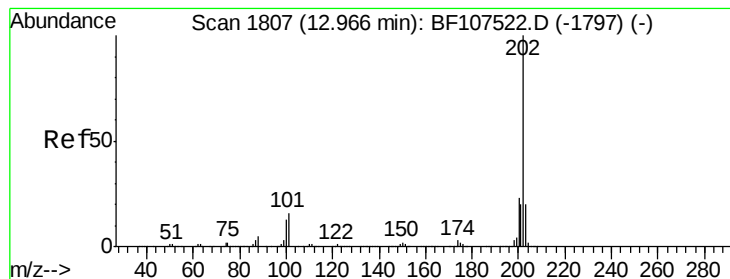


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.963 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

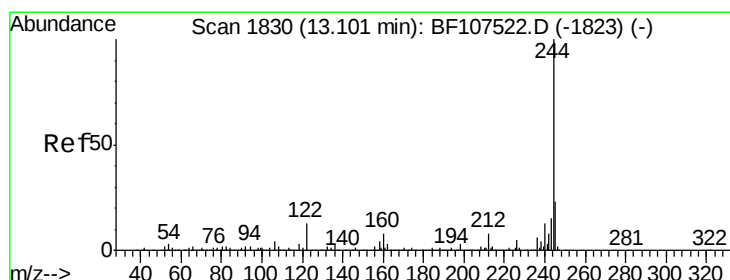
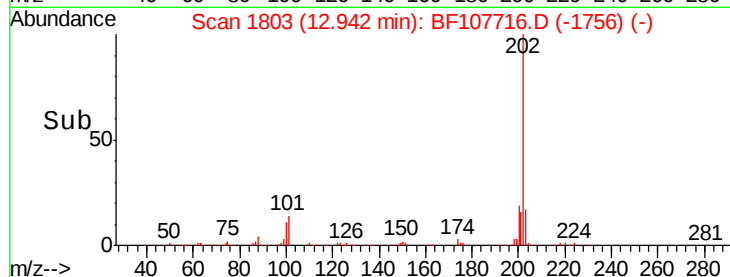
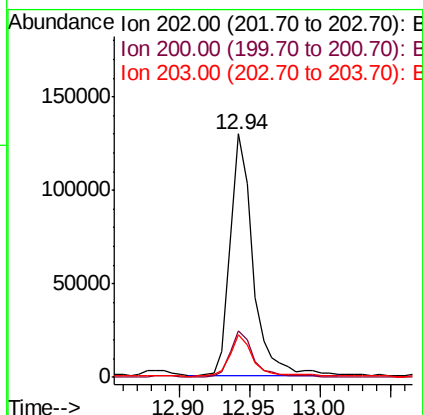
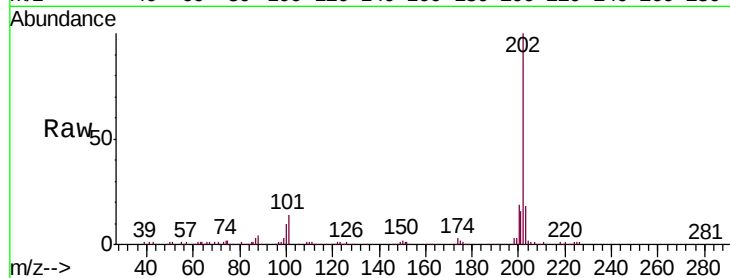
Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

Tgt Ion:	202	Resp:	146705
Ion	Ratio	Lower	Upper
202	100		
200	19.0	17.4	26.2
203	17.5	14.3	21.5



#78

Terphenyl-d14

Concen: 61.253 ng

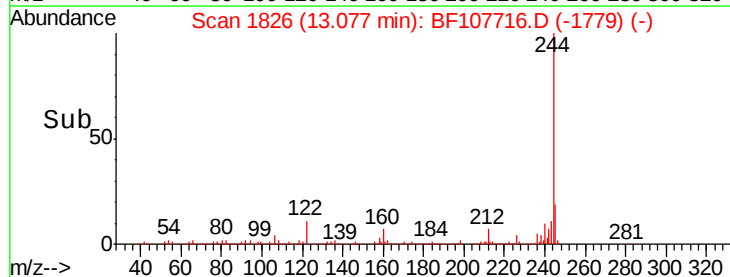
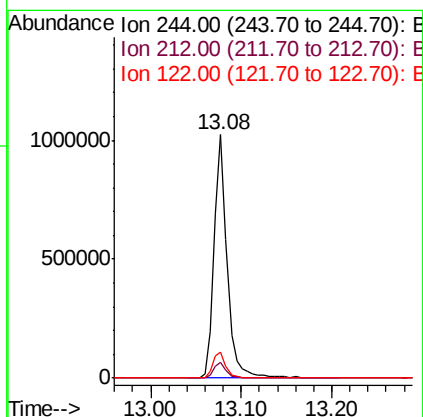
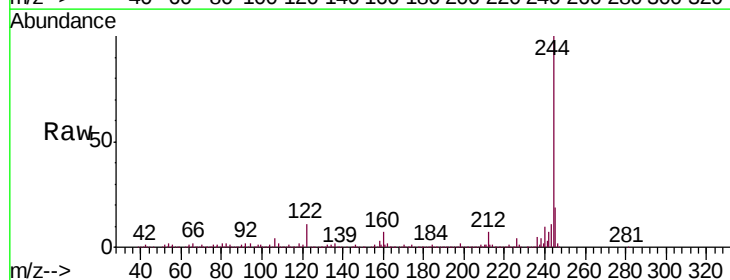
RT: 13.08 min Scan# 1826

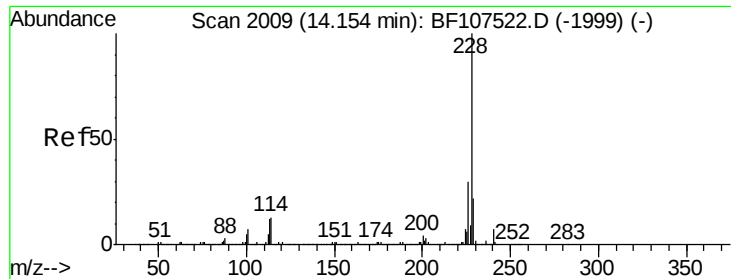
Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Tgt Ion:	244	Resp:	1034049
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.9	11.0	16.4#

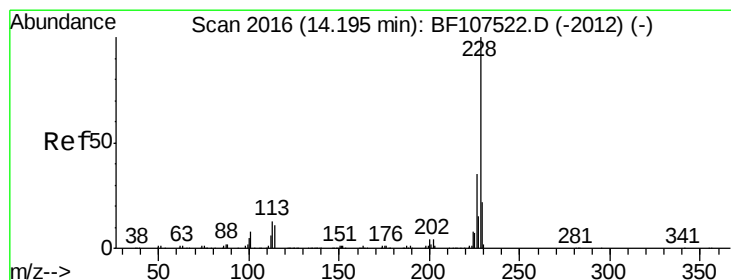
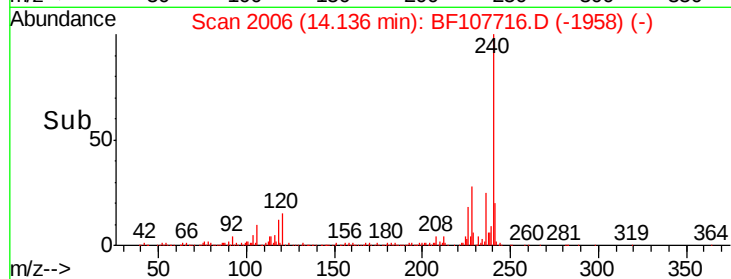
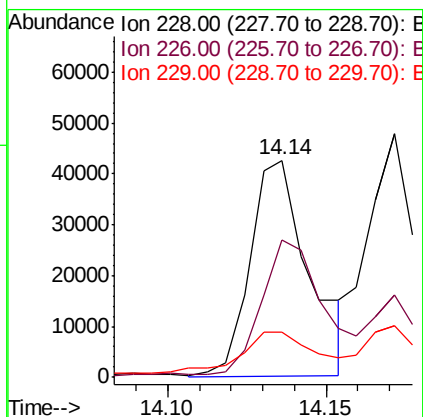
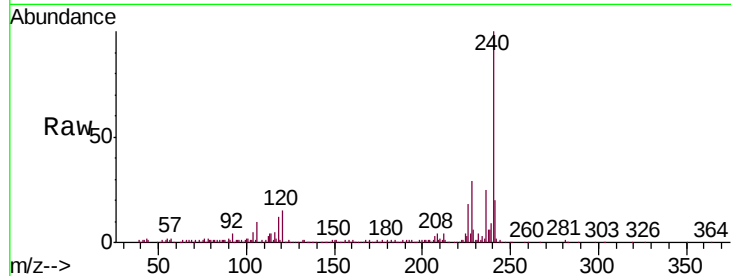




#80
Benzo(a)anthracene
Concen: 2.177 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

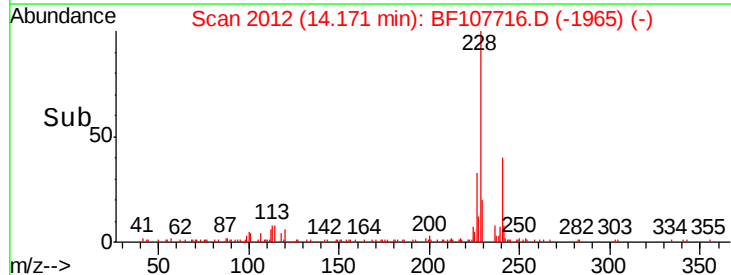
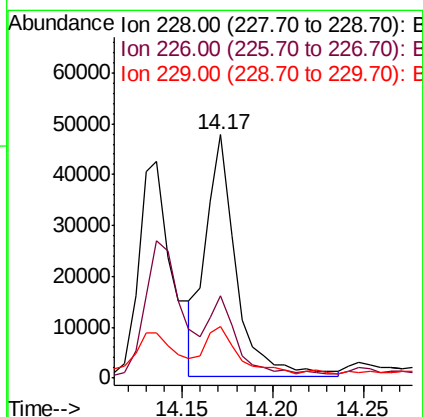
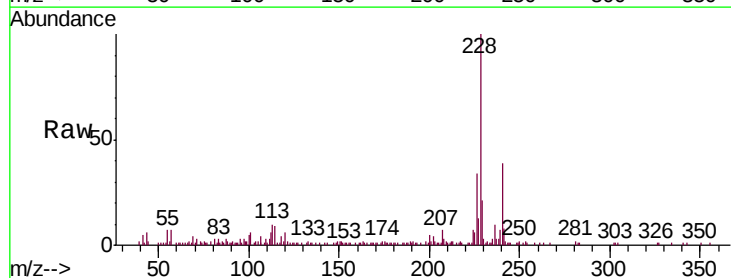
Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

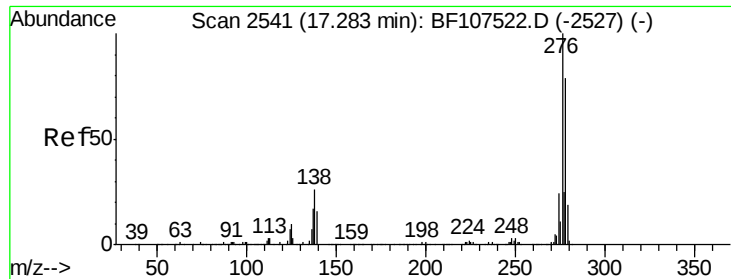
Tgt Ion:228 Resp: 55129
Ion Ratio Lower Upper
228 100
226 63.1 22.6 33.8#
229 21.0 15.8 23.6



#82
Chrysene
Concen: 2.300 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion:228 Resp: 55960
Ion Ratio Lower Upper
228 100
226 33.9 25.0 37.6
229 21.3 16.2 24.4

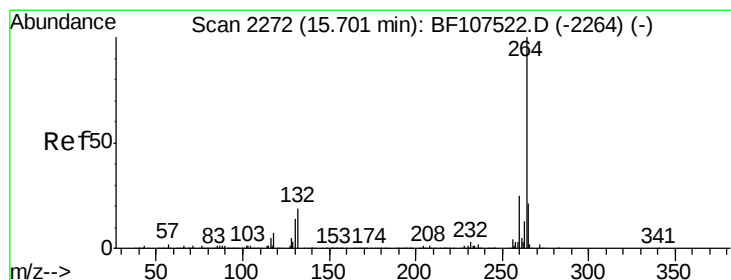
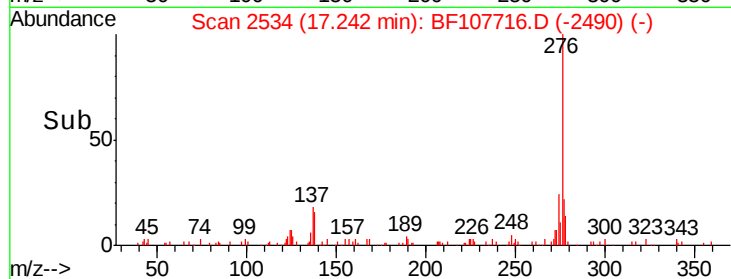
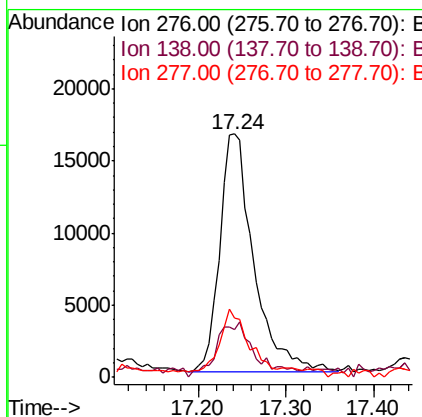
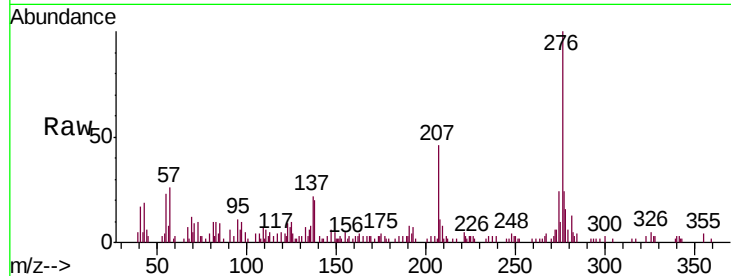




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.133 ng
 RT: 17.24 min Scan# 2534
 Delta R.T. -0.04 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

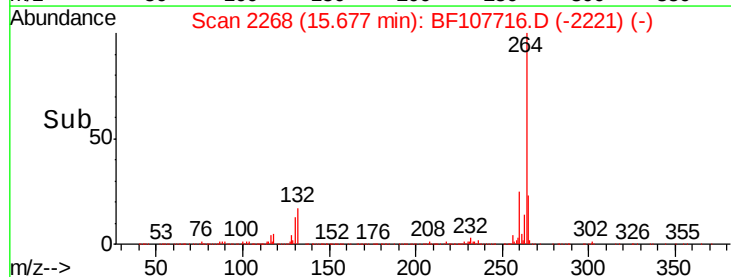
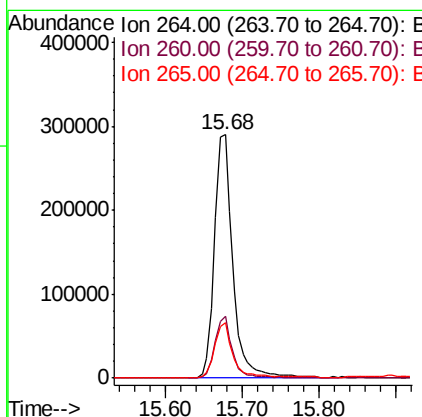
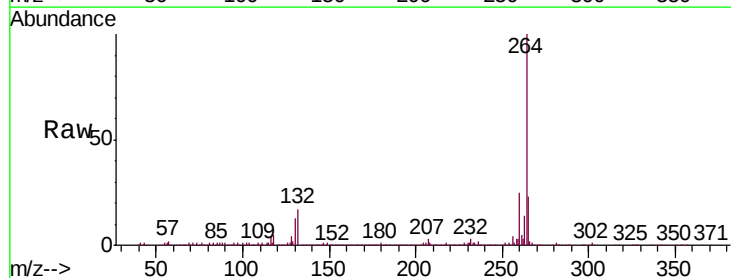
Instrument :
 BNA_F
 ClientSampleId :
 SB-10(3-5)

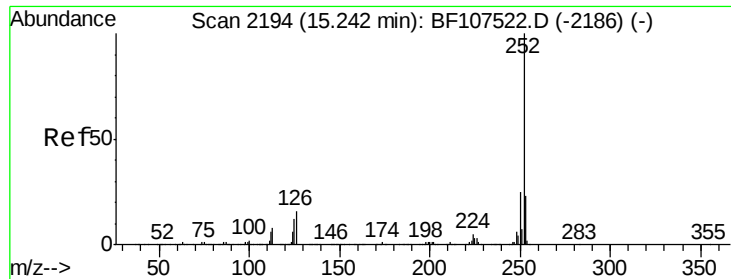
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.0	37.6
277	21.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.7	17.5	26.3

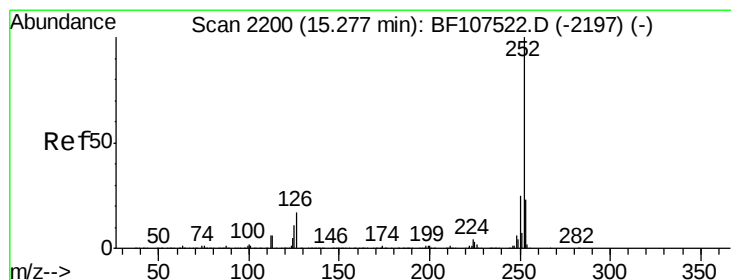
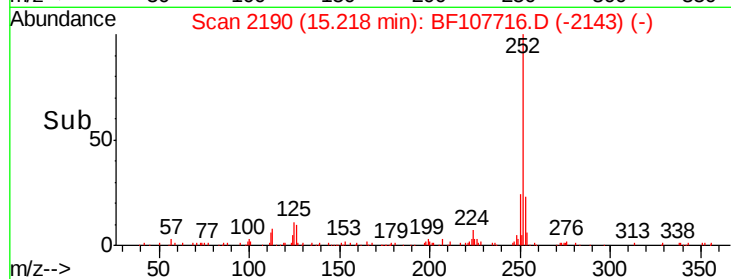
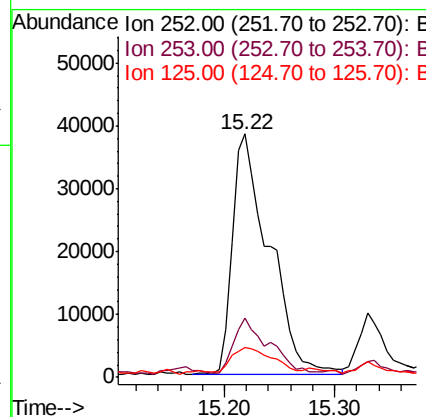
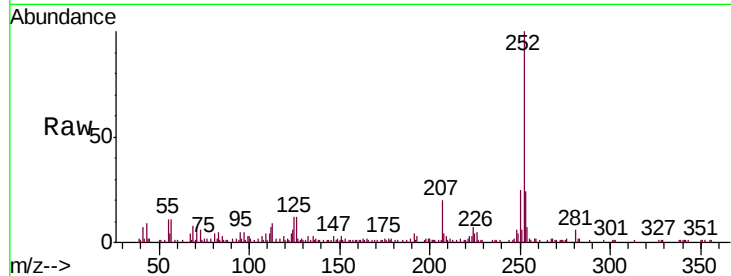




#87
Benzo(b)fluoranthene
Concen: 3.399 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

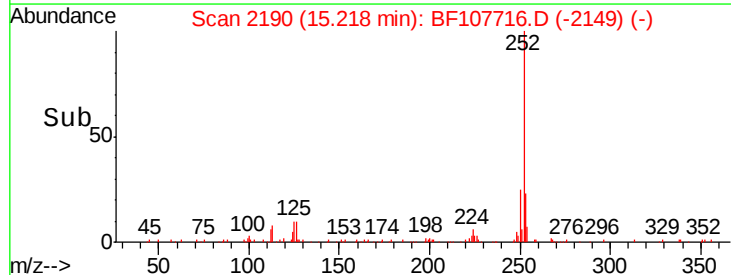
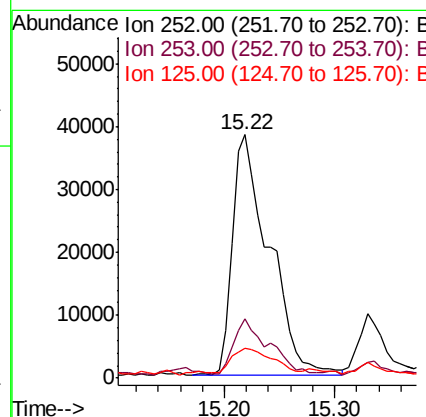
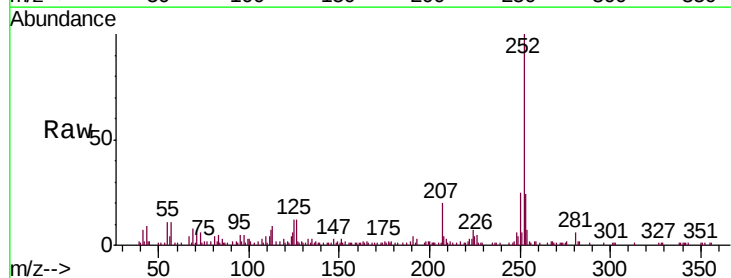
Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

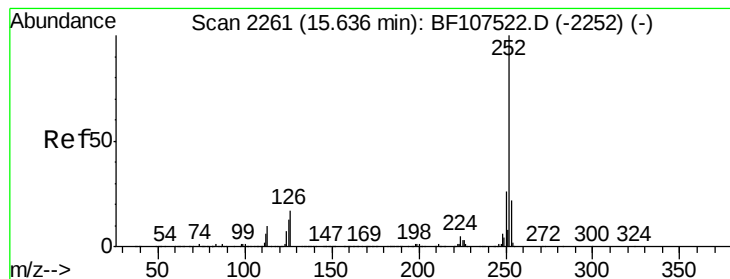
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	12.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 3.470 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.423 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

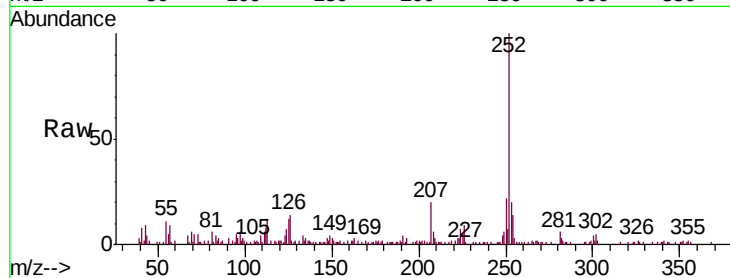
Tgt Ion:252 Resp: 58079

Ion Ratio Lower Upper

252 100

253 20.0 17.1 25.7

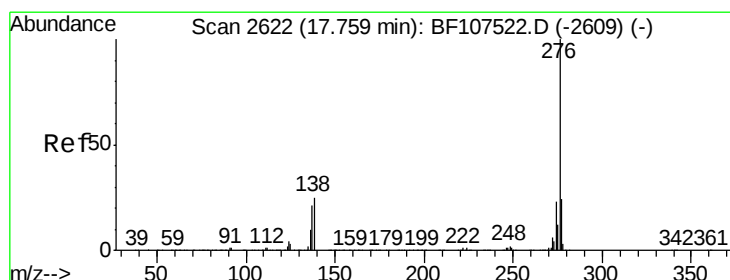
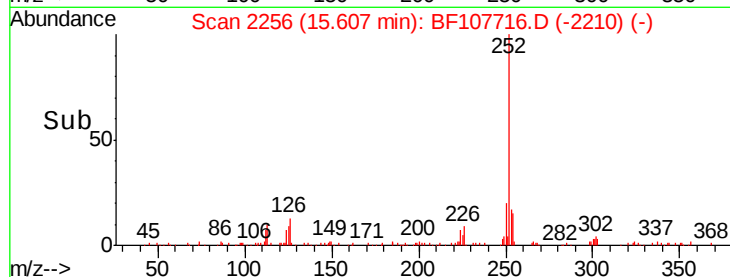
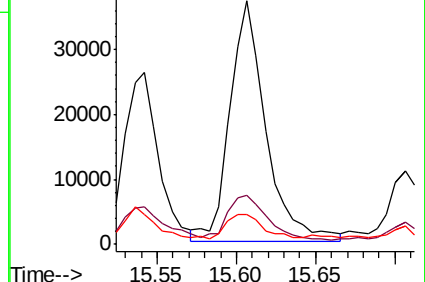
125 12.3 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.304 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.04 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

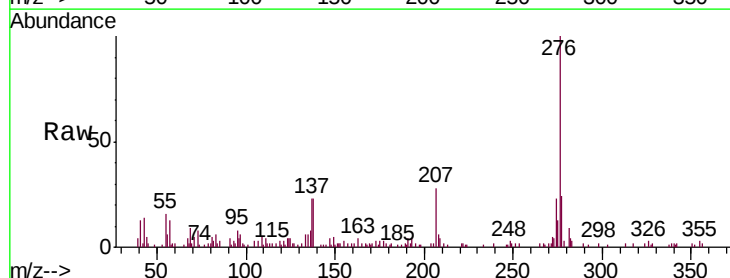
Tgt Ion:276 Resp: 67531

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 23.3 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

