

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107748.D
 Acq On : 27 Jul 2018 16:20
 Operator : JU/SJ
 Sample : J4143-06 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 17:08:31 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	158819	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	652410	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	283444	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	501659	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	410350	20.00	ng	-0.02
86) Perylene-d12	15.68	264	439095	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	409555	41.46	ng	-0.02
7) Phenol-d6	6.60	99	589925	49.74	ng	-0.02
23) Nitrobenzene-d5	7.52	82	330363	34.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	146652	45.50	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	413923	17.82	ng	-0.02
78) Terphenyl-d14	13.08	244	321358	20.05	ng	-0.02

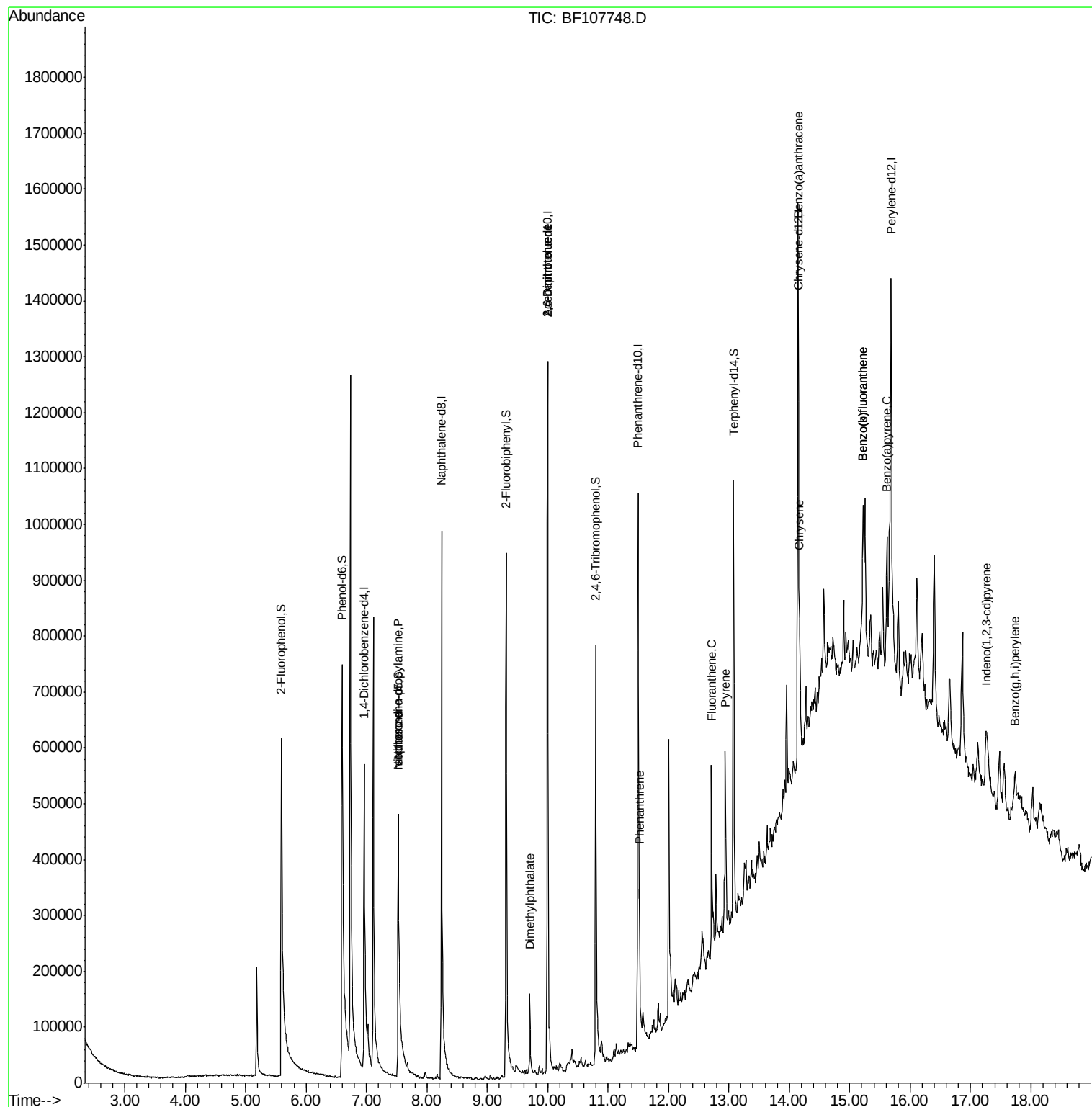
Target Compounds				Qvalue		
9) Benzaldehyde	6.73	77	10729	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.52	70	42879	5.596 ng	#	85
25) Isophorone	7.52	82	330363	16.005 ng	#	64
49) Dimethylphthalate	9.71	163	70413	3.296 ng	#	99
50) 2,6-Dinitrotoluene	10.00	165	35648	8.405 ng	#	26
56) 2,4-Dinitrotoluene	10.00	165	36176	7.066 ng	#	24
70) Phenanthrene	11.52	178	86809	3.551 ng		98
73) Di-n-butylphthalate	12.04	149	31728	Below Cal		97
74) Fluoranthene	12.71	202	146593	5.588 ng		97
77) Pyrene	12.94	202	160980	5.735 ng		96
80) Benzo(a)anthracene	14.14	228	123819	5.149 ng		96
81) 3,3'-Dichlorobenzidine	14.10	252	399	Below Cal	#	67
82) Chrysene	14.17	228	104468	4.522 ng		95
85) Indeno(1,2,3-cd)pyrene	17.26	276	77585	3.963 ng	#	88
87) Benzo(b)fluoranthene	15.22	252	239885	9.982 ng	#	88
88) Benzo(k)fluoranthene	15.22	252	239885	10.189 ng	#	91
89) Benzo(a)pyrene	15.62	252	138471	6.299 ng	#	93
91) Benzo(g,h,i)perylene	17.74	276	76036	4.057 ng		96

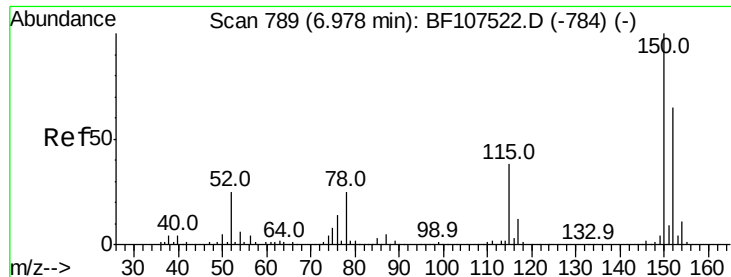
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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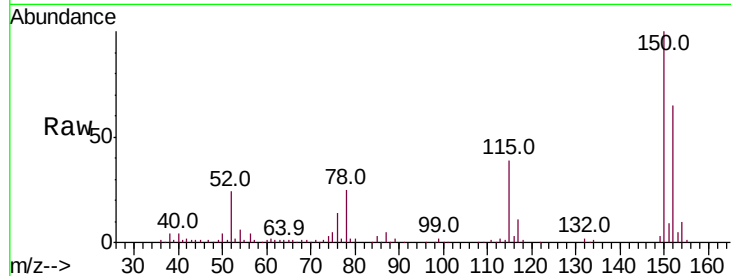


#1

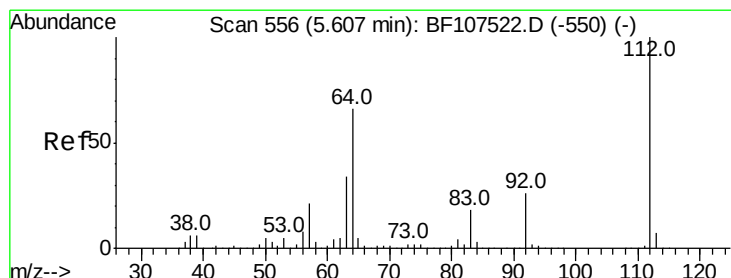
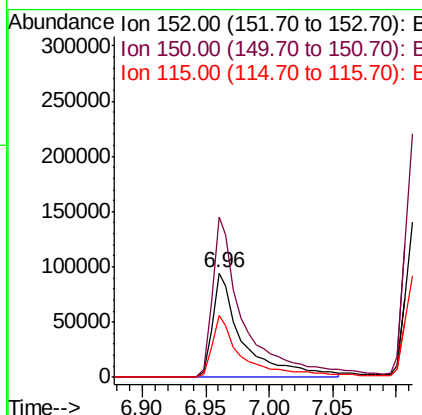
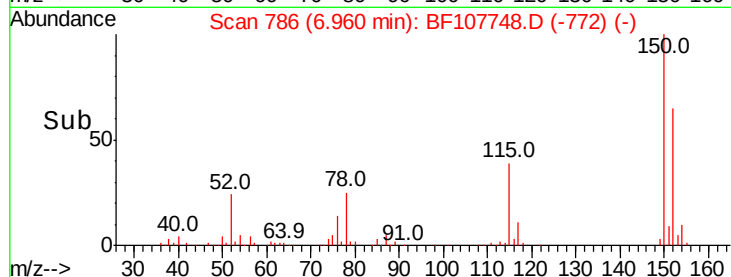
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 158819
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 59.8 50.1 75.1



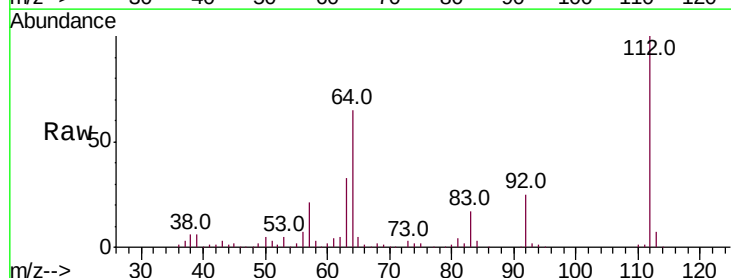
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



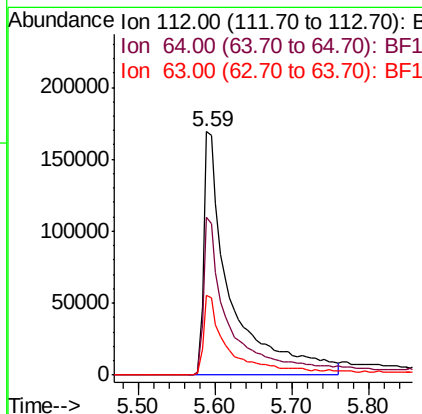
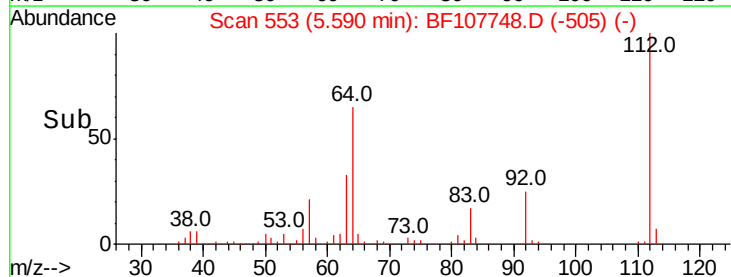
#5

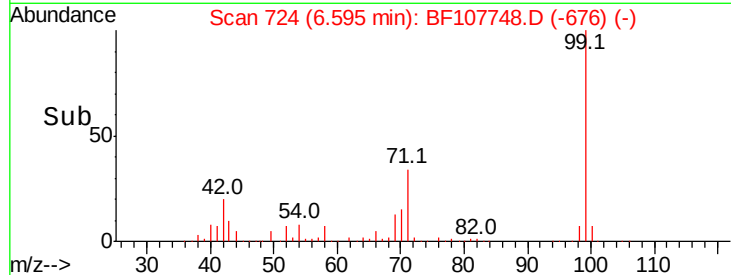
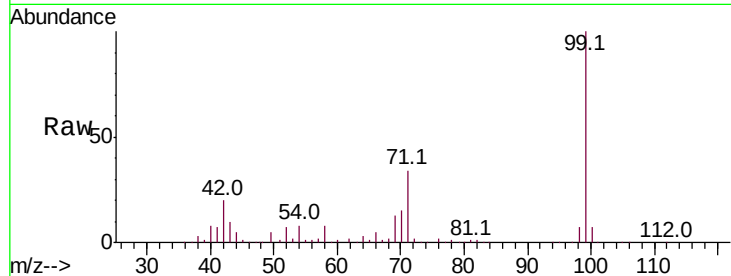
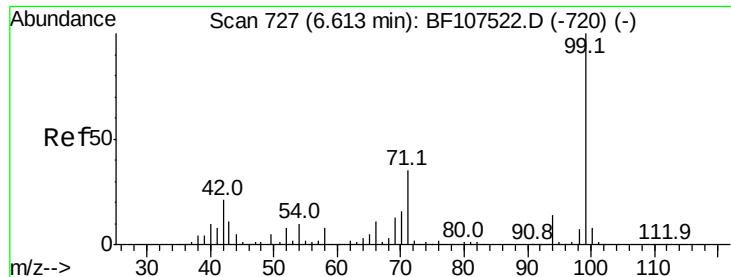
2-Fluorophenol
Concen: 41.461 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion:112 Resp: 409555
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 32.9 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: 49.737 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Instrument :

BNA_F

ClientSampleId :

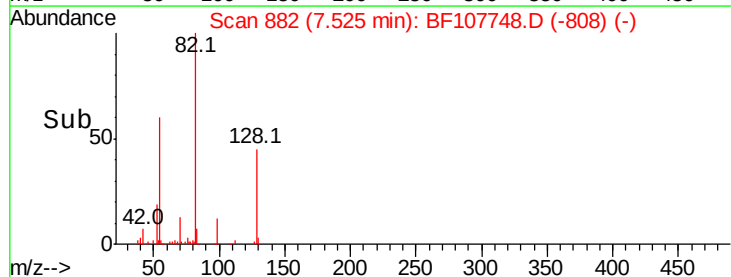
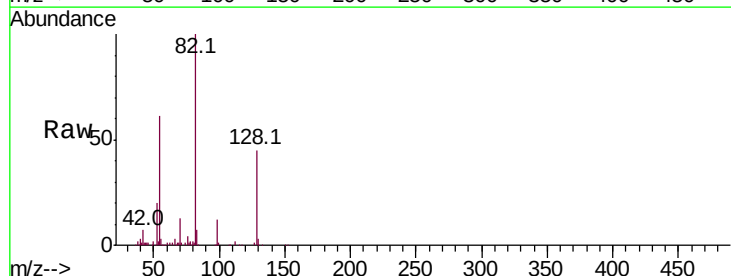
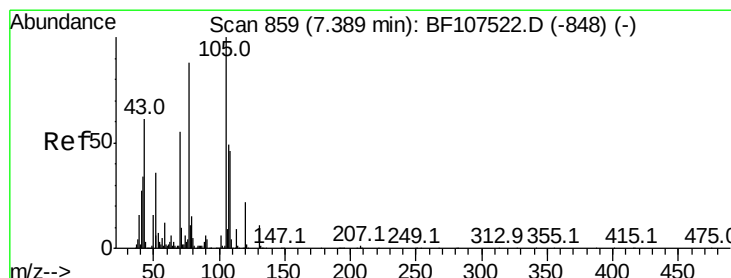
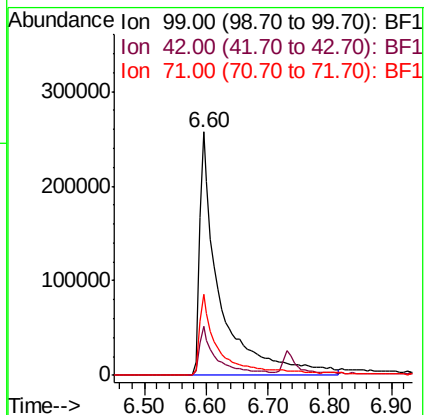
Tot Ion: 99 Resp: 589925

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.596 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Tgt Ion: 70 Resp: 42879

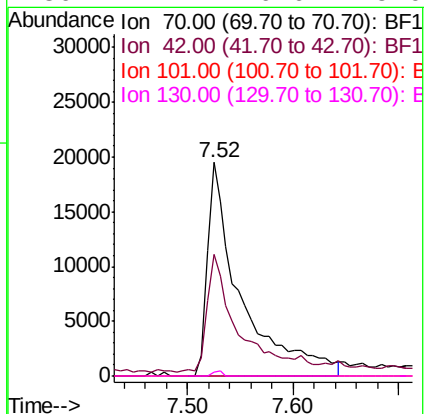
Ion Ratio Lower Upper

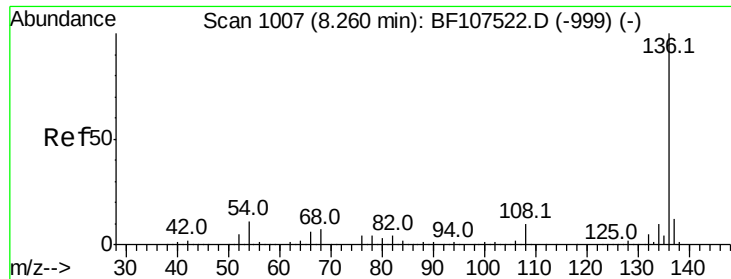
70 100

42 56.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

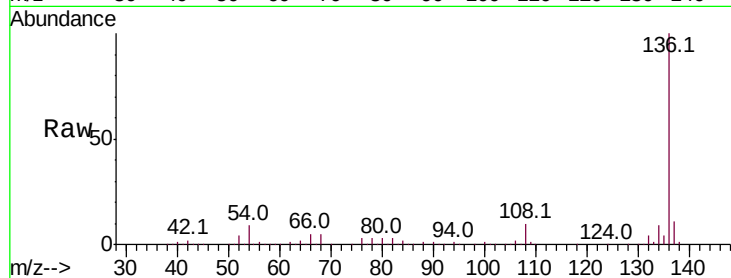




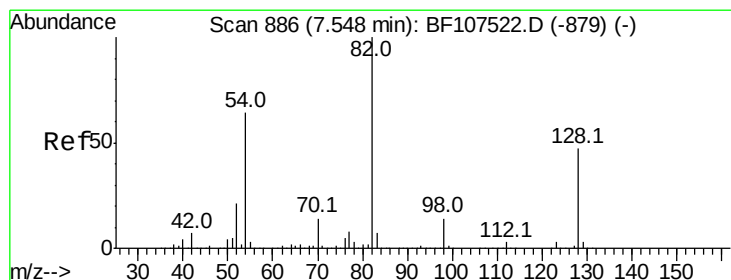
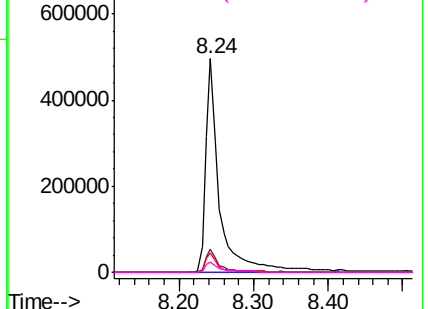
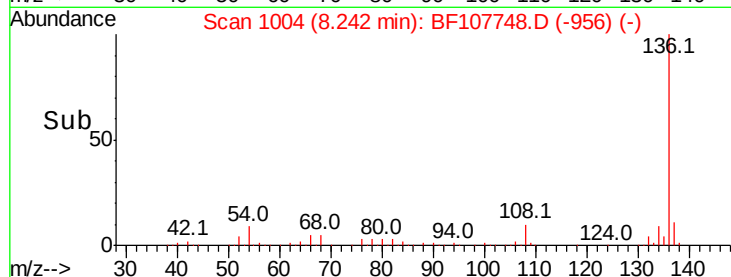
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	652410
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.9	6.6	9.8
68	4.9	5.0	7.4#

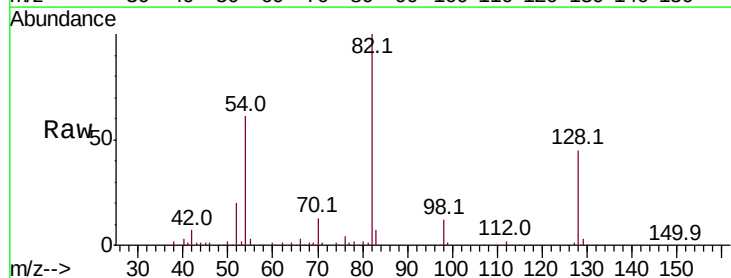


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

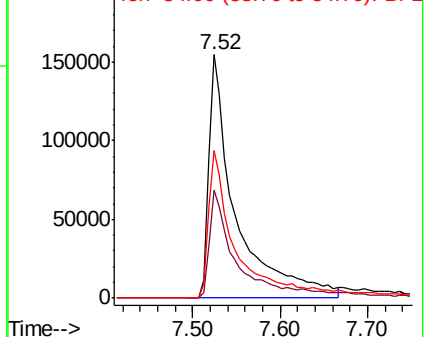
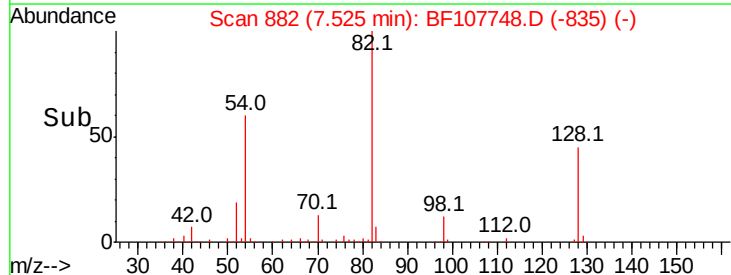


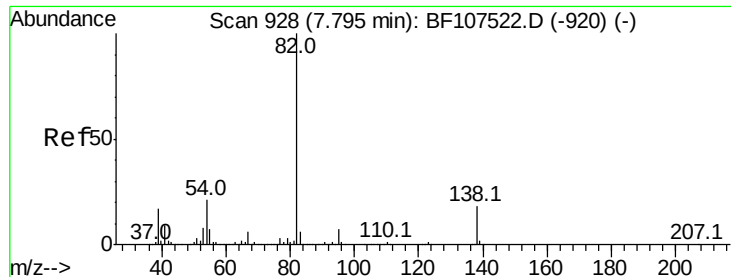
#23
Nitrobenzene-d5
Concen: 34.174 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion:	82	Resp:	330363
Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	60.6	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: 16.005 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Instrument :

BNA_F

ClientSampleId :

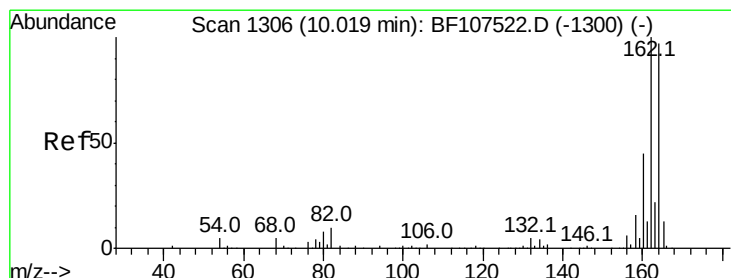
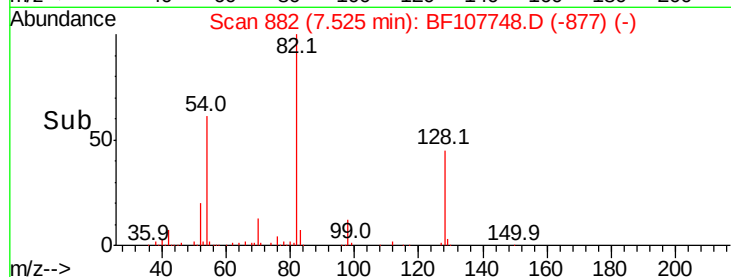
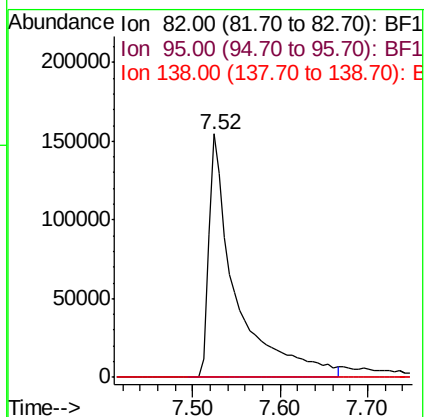
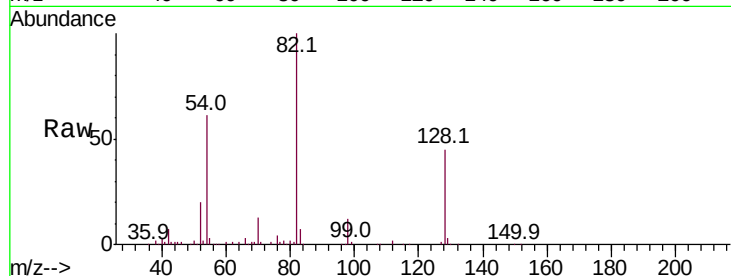
Tot Ion: 82 Resp: 330363

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. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

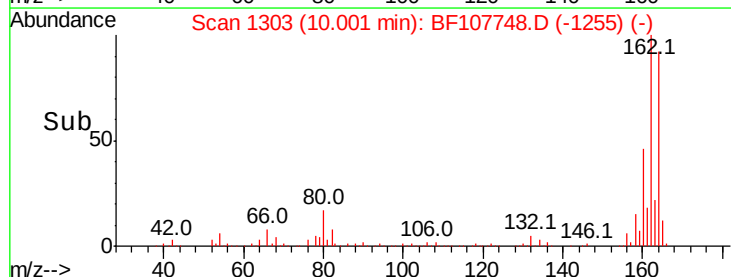
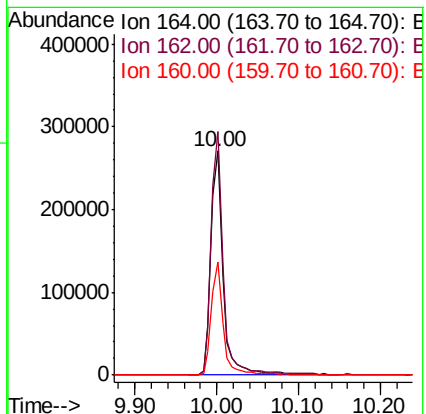
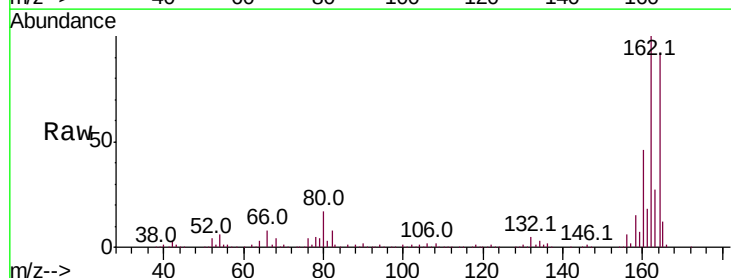
Tgt Ion:164 Resp: 283444

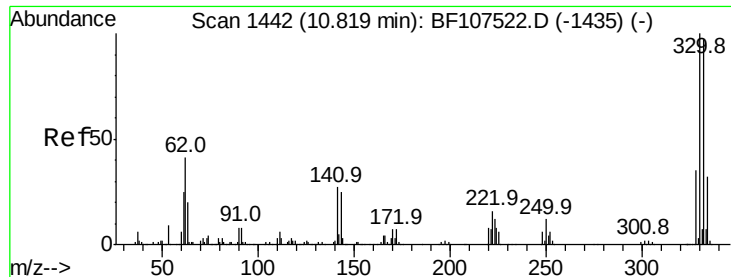
Ion Ratio Lower Upper

164 100

162 108.6 86.1 129.1

160 50.3 38.3 57.5

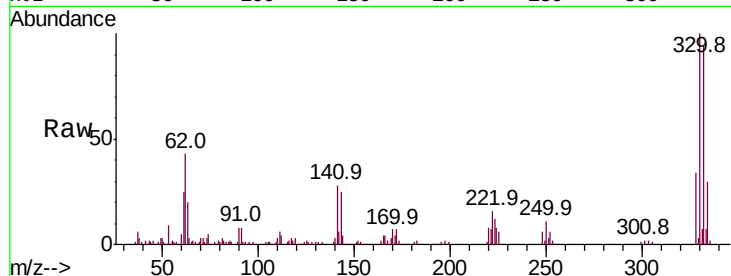




#41
 2,4,6-Tribromophenol
 Concen: 45.499 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107748.D
 Acq: 27 Jul 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.0	77.0	115.6
141	28.6	29.9	44.9#

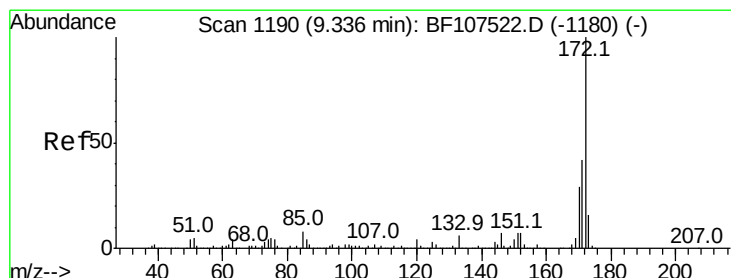
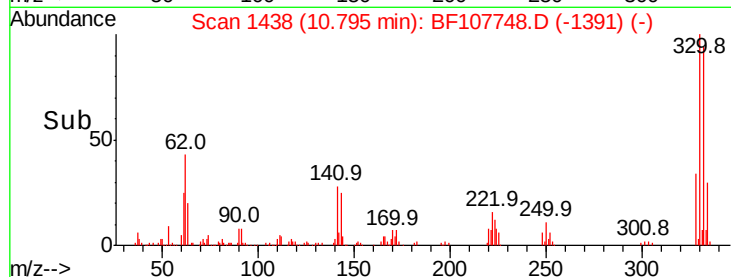
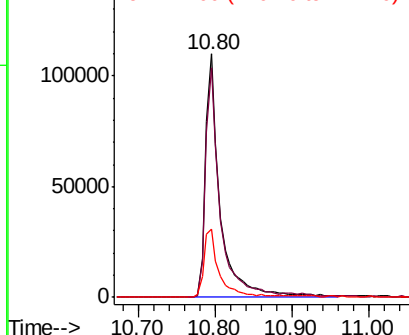


Abundance

Ion 329.80 (329.50 to 330.50): E

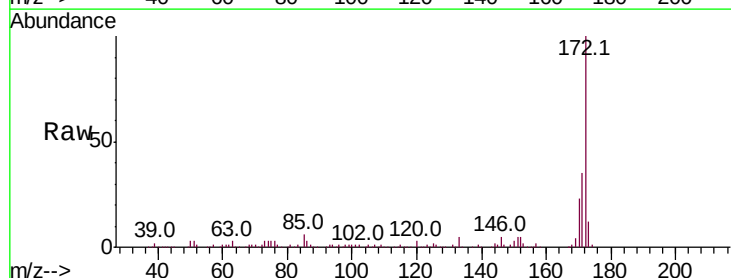
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 17.823 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107748.D
 Acq: 27 Jul 2018 16:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	22.7	19.6	29.4

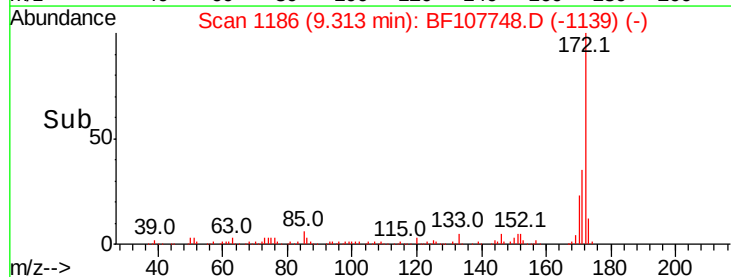
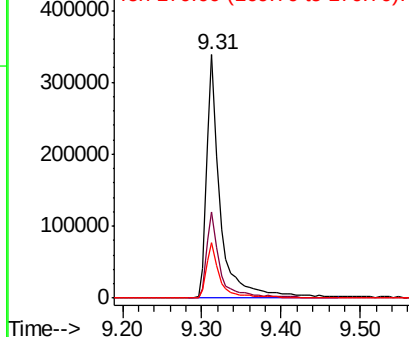


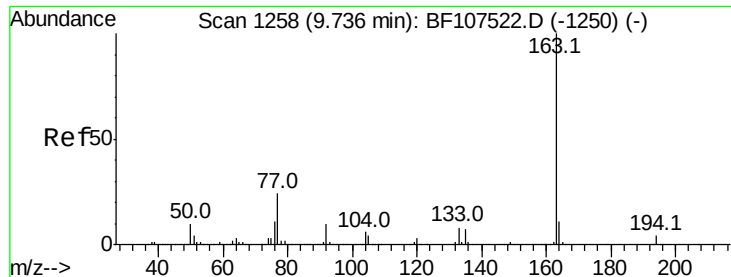
Abundance

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

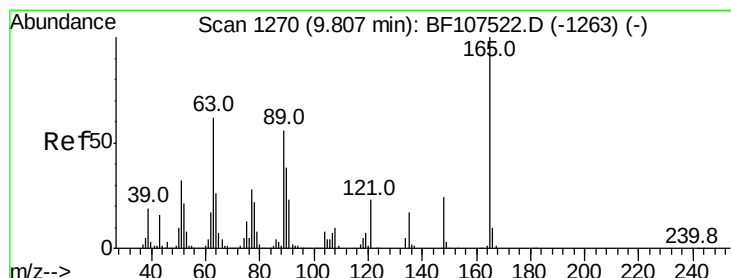
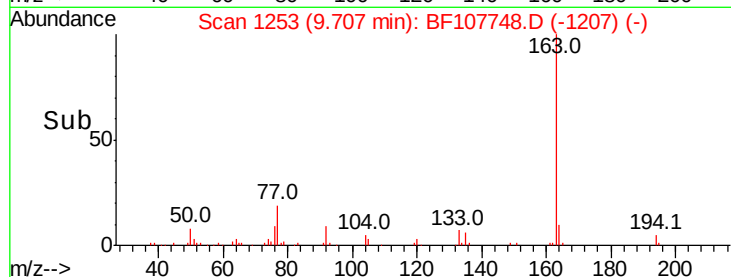
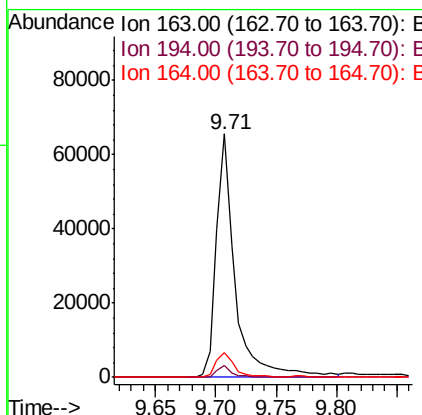
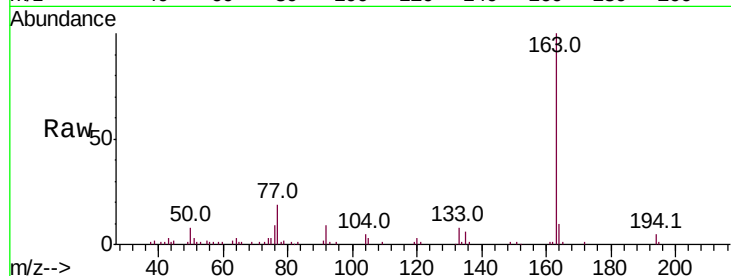




#49
Dimethylphthalate
Concen: 3.296 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

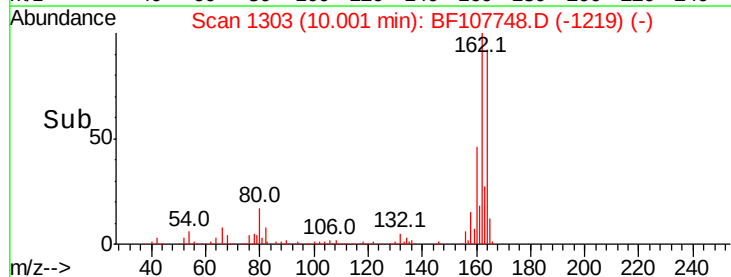
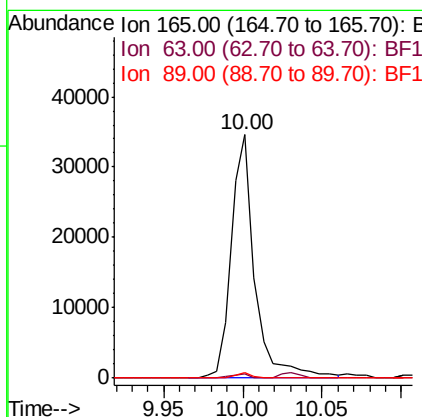
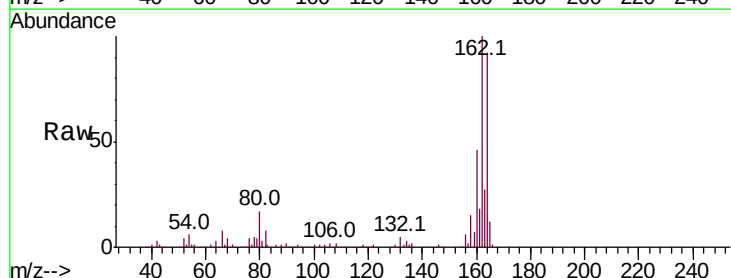
Instrument :
BNA_F
ClientSampleId :

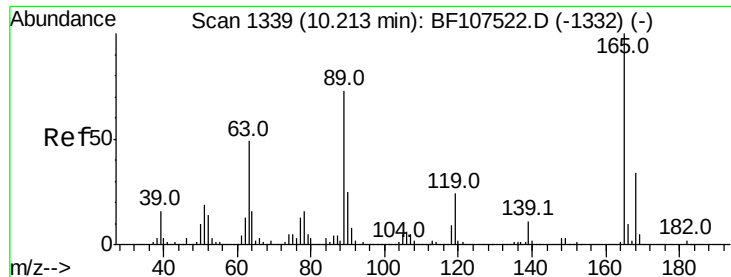
Tot Ion:163 Resp: 70413
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.405 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.19 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion:165 Resp: 35648
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 2.5 44.0 66.0#

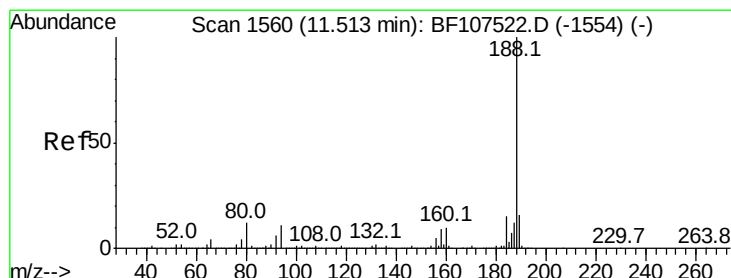
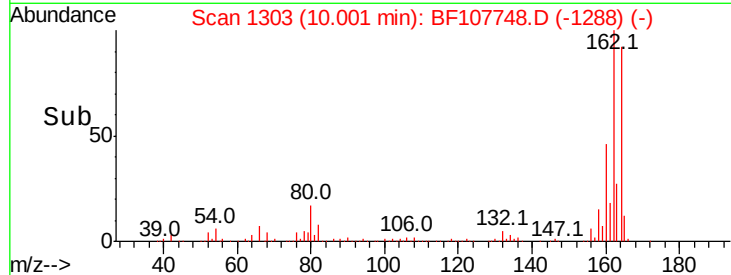
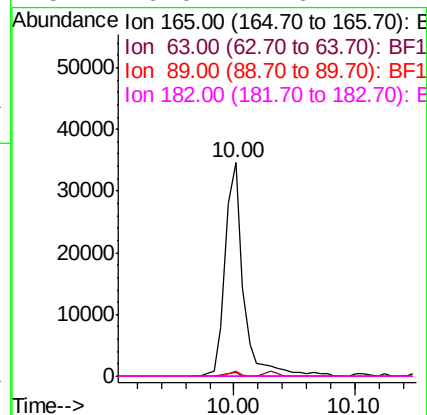
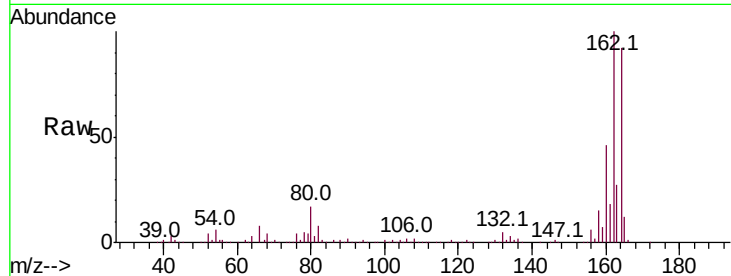




#56
 2,4-Dinitrotoluene
 Concen: 7.066 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF107748.D
 Acq: 27 Jul 2018 16:20

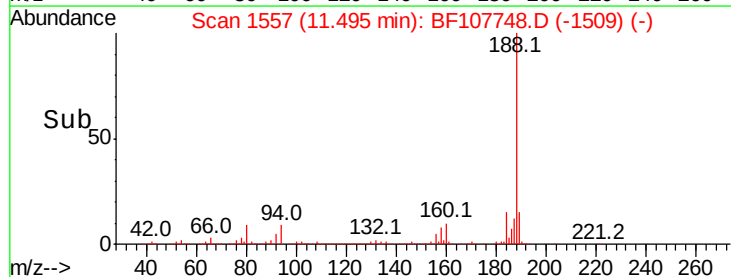
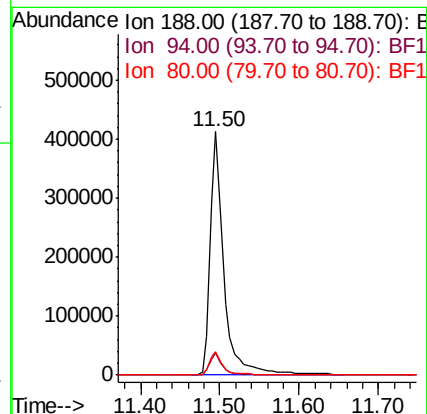
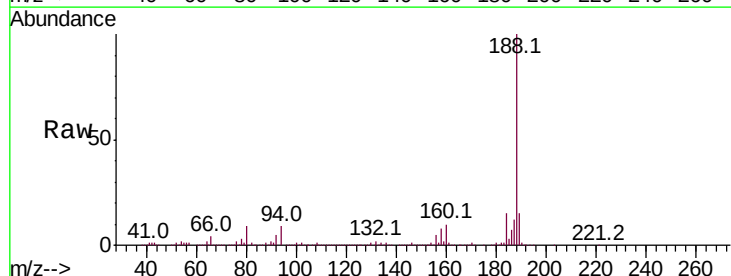
Instrument :
 BNA_F
 ClientSampled :

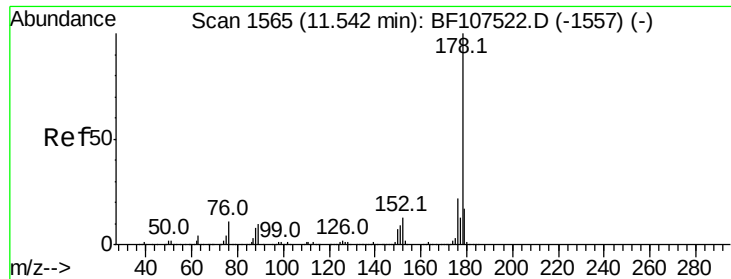
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	2.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107748.D
 Acq: 27 Jul 2018 16:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.4	9.2	13.8

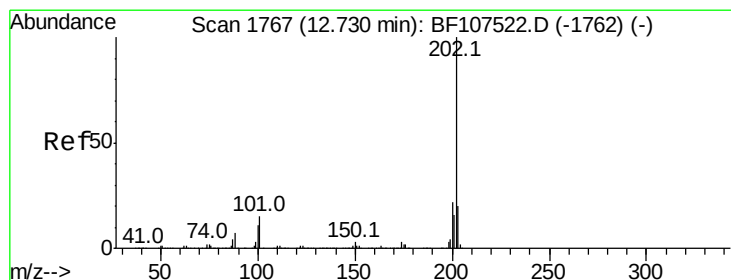
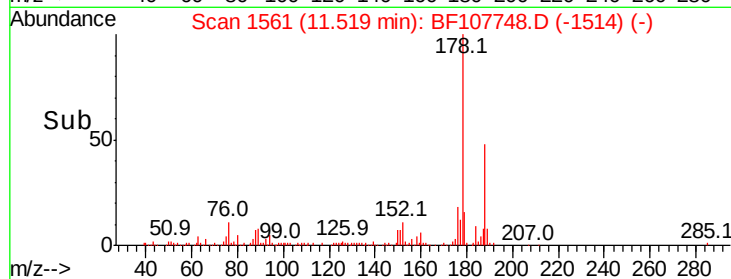
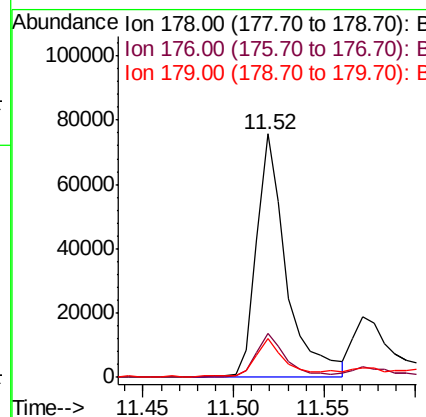
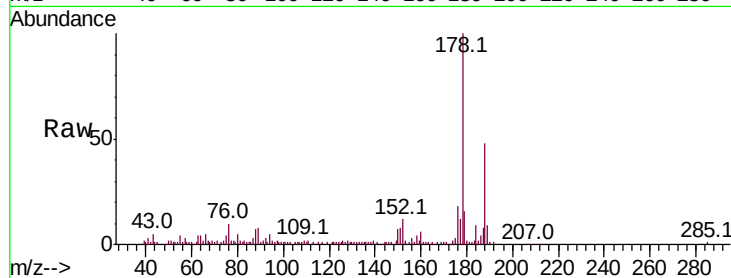




#70
Phenanthrene
Concen: 3.551 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

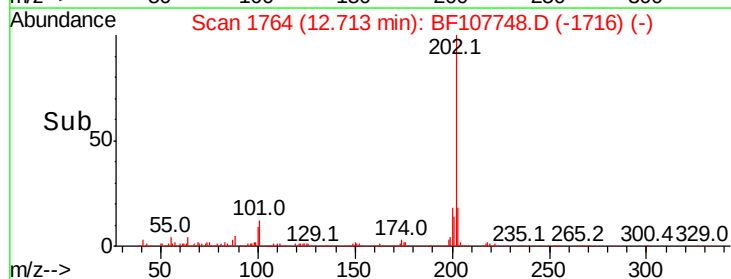
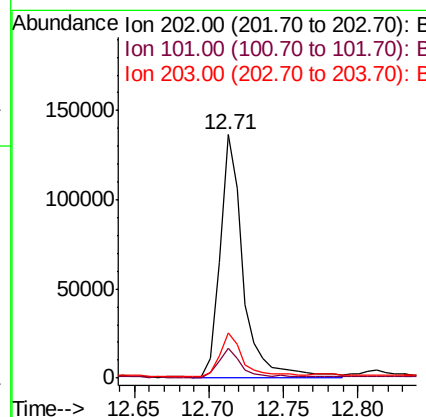
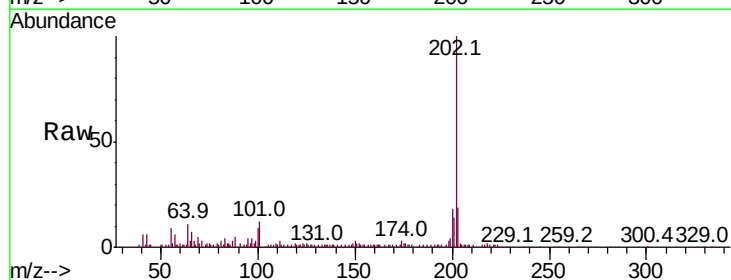
Instrument :
BNA_F
ClientSampleId :

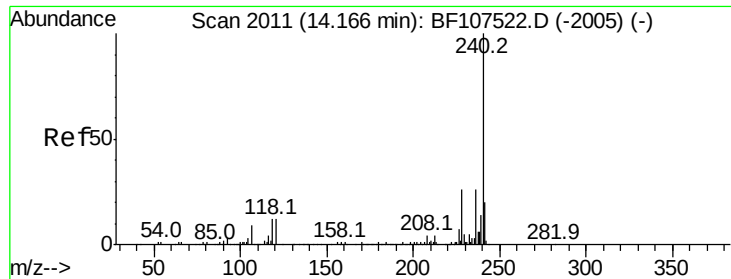
Tot Ion:178 Resp: 86809
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.9 13.0 19.6



#74
Fluoranthene
Concen: 5.588 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion:202 Resp: 146593
Ion Ratio Lower Upper
202 100
101 12.2 0.0 34.1
203 18.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Instrument :

BNA_F

ClientSampled :

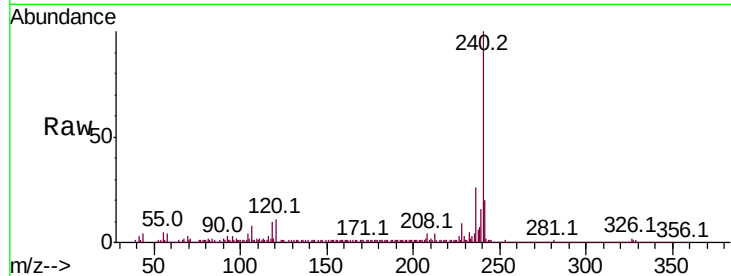
Tot Ion:240 Resp: 410350

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

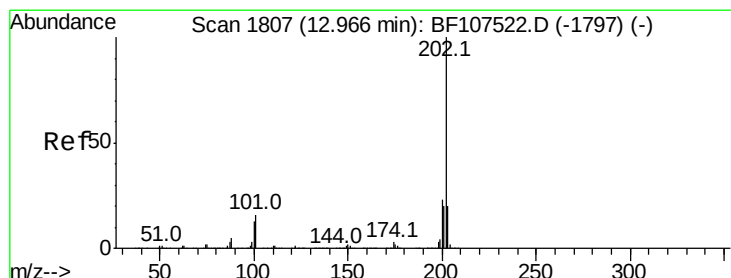
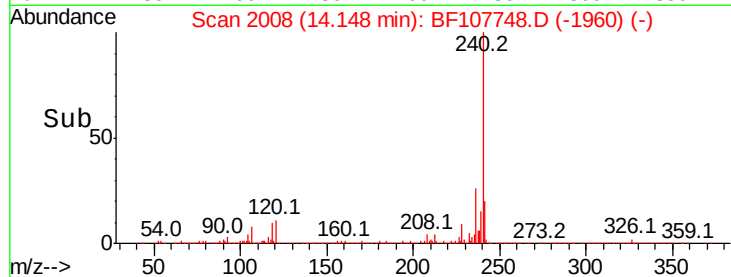
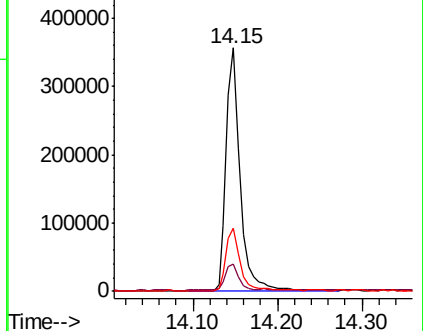
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 5.735 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

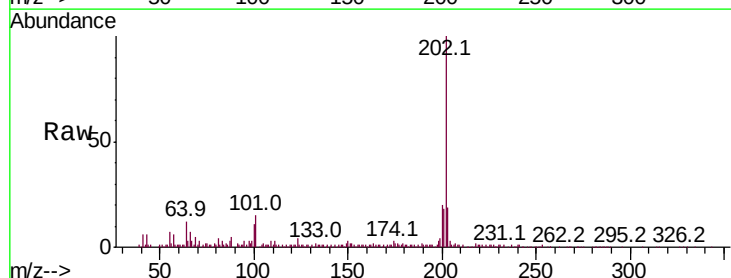
Tgt Ion:202 Resp: 160980

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

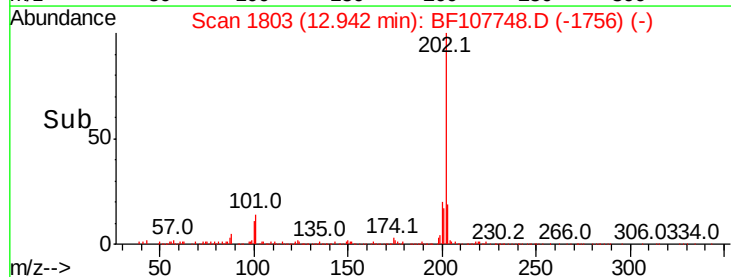
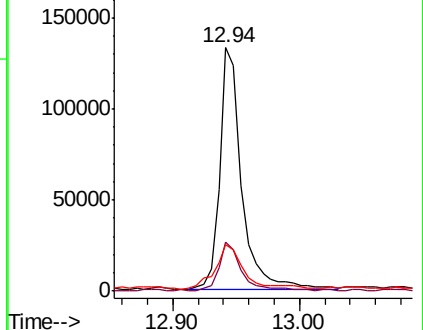
203 19.3 14.3 21.5

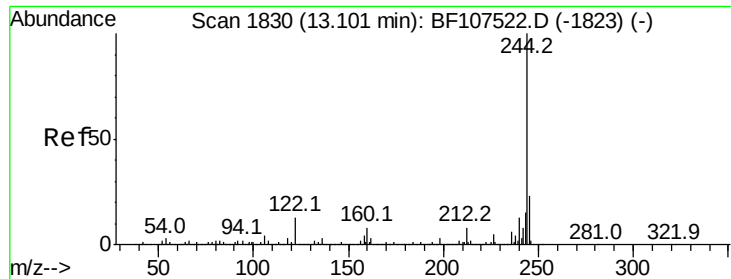


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.049 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Instrument :

BNA_F

ClientSampleId :

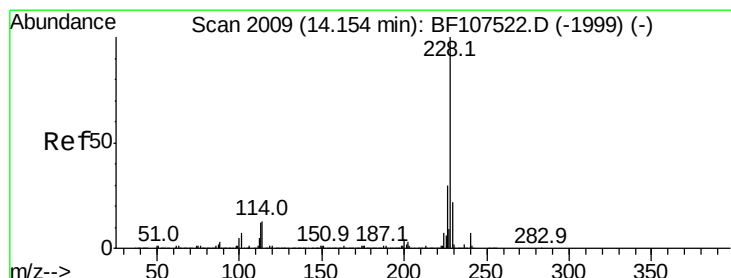
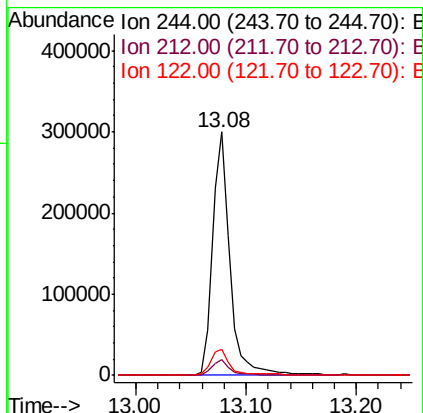
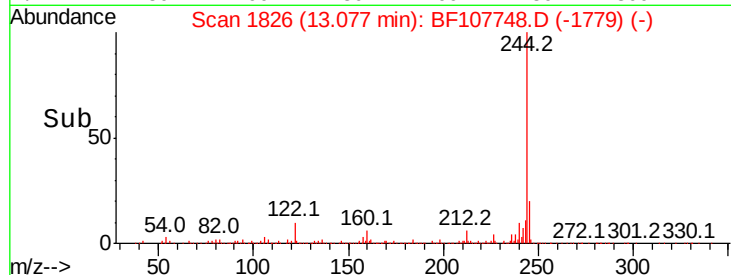
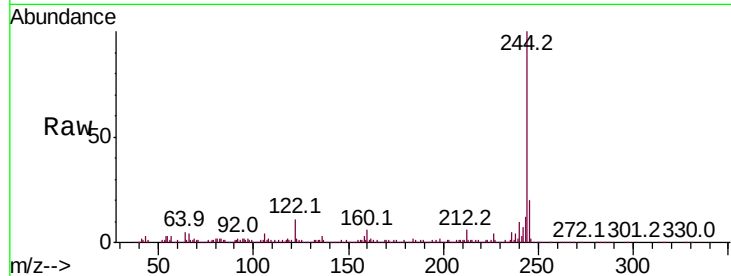
Tot Ion:244 Resp: 321358

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.6 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 5.149 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

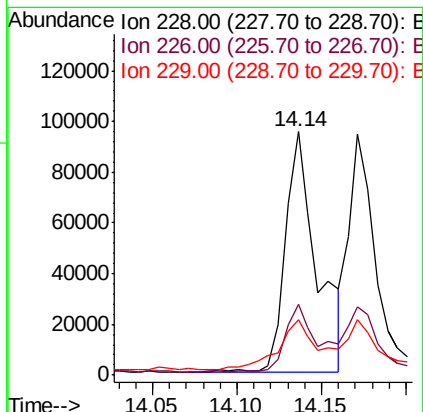
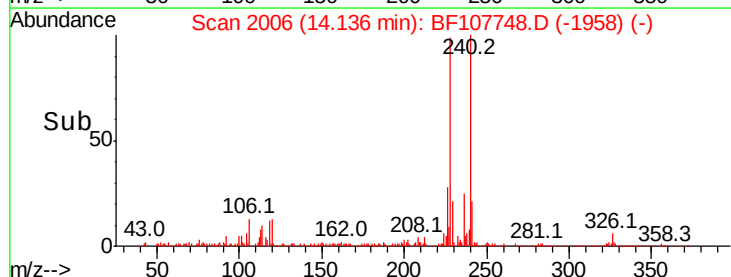
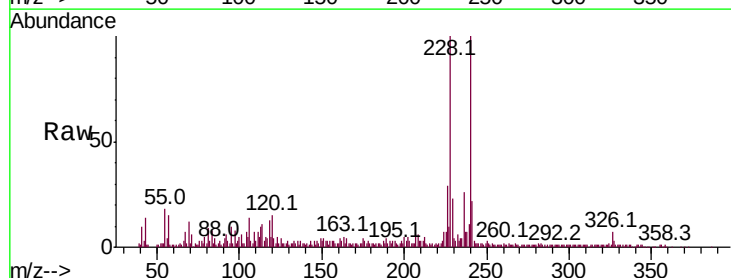
Tgt Ion:228 Resp: 123819

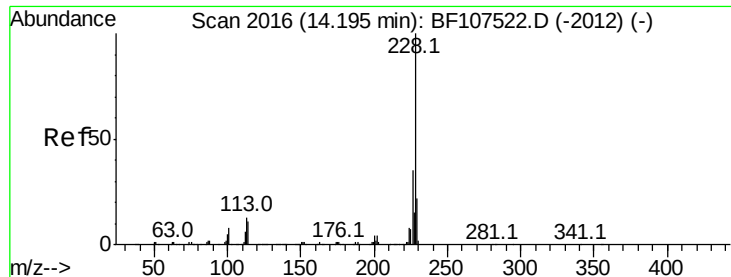
Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

229 22.6 15.8 23.6

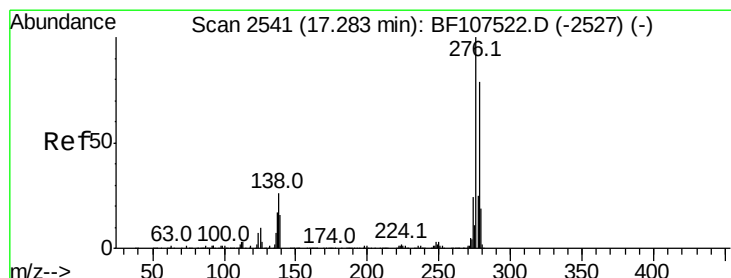
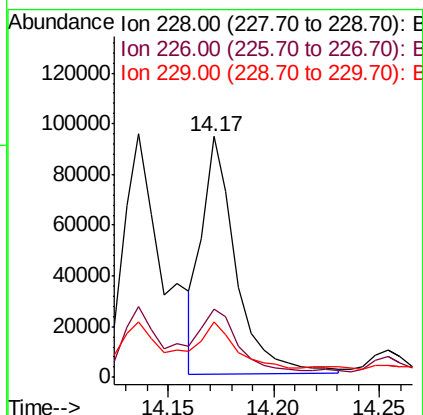
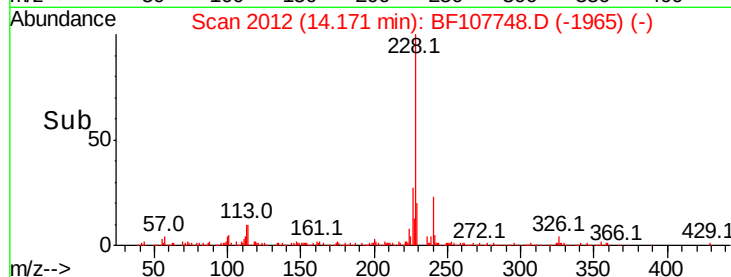
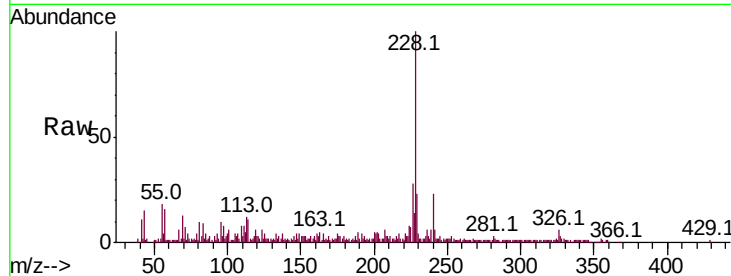




#82
Chrysene
Concen: 4.522 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

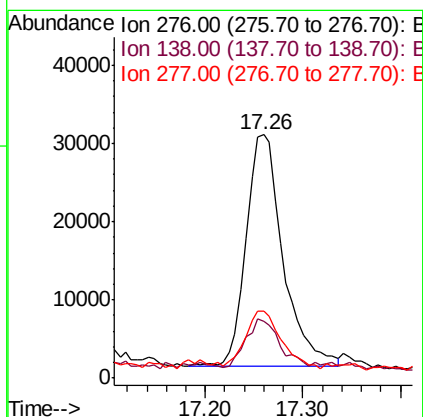
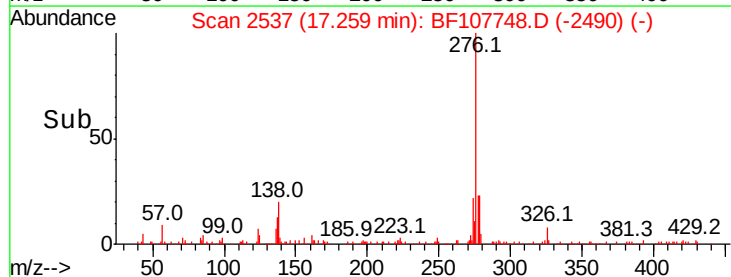
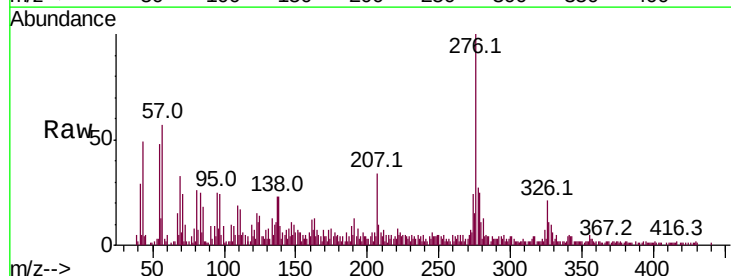
Instrument :
BNA_F
ClientSampleId :

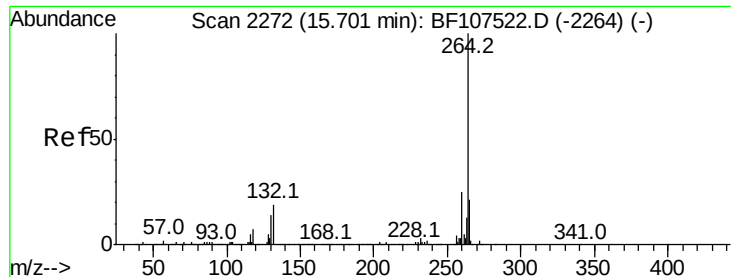
Tot Ion:228 Resp: 104468
Ion Ratio Lower Upper
228 100
226 28.4 25.0 37.6
229 22.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.963 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion:276 Resp: 77585
Ion Ratio Lower Upper
276 100
138 19.3 25.0 37.6#
277 24.6 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

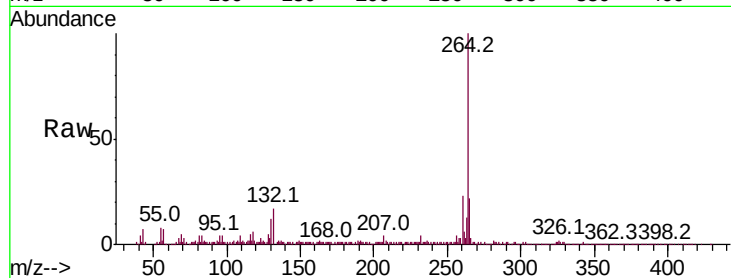
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 439095

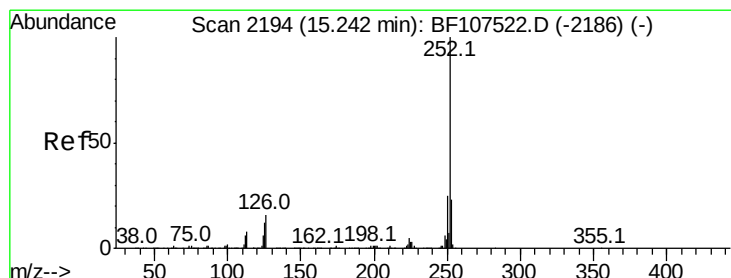
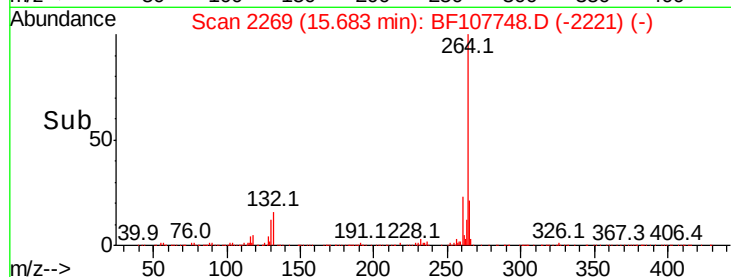
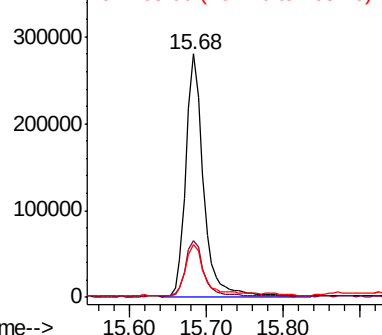
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.7	17.5	26.3



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: 9.982 ng

RT: 15.22 min Scan# 2191

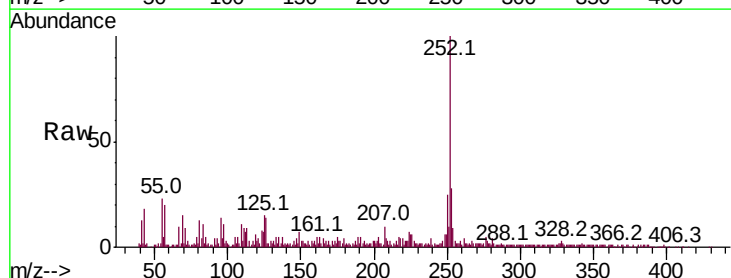
Delta R.T. -0.02 min

Lab File: BF107748.D

Acq: 27 Jul 2018 16:20

Tgt Ion:252 Resp: 239885

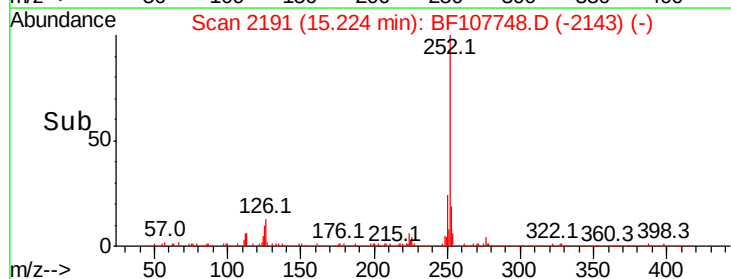
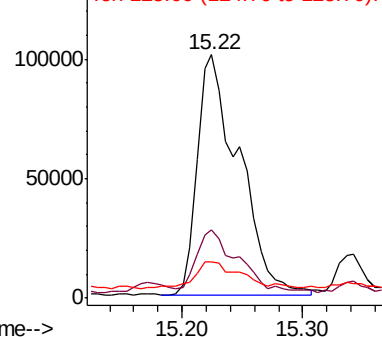
Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.0	25.6#
125	15.0	9.0	13.6#

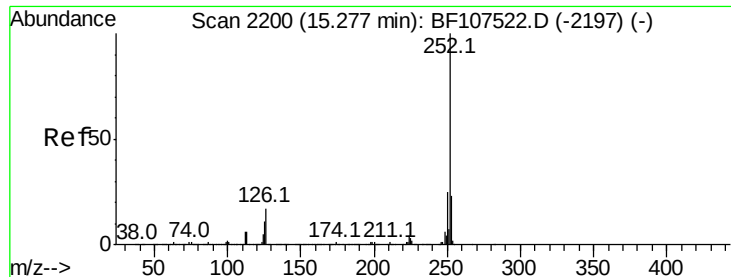


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

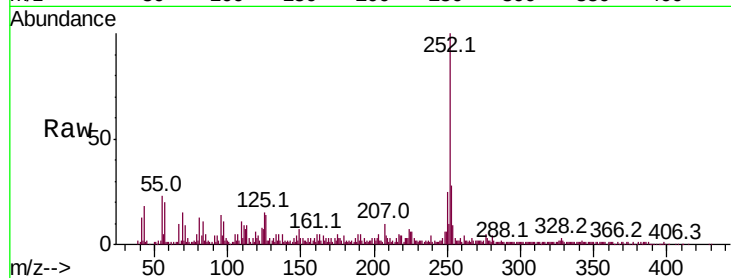




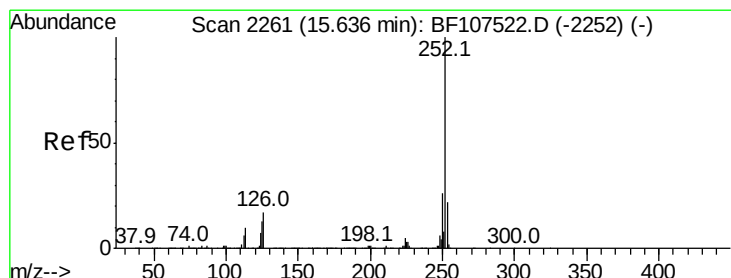
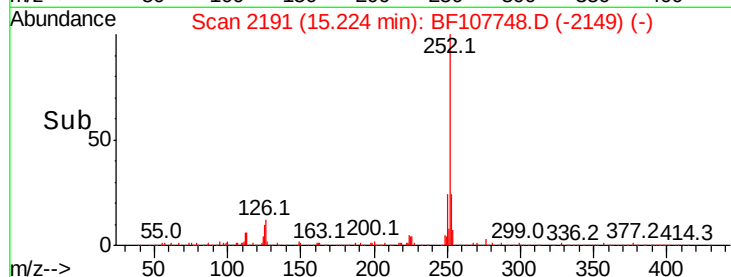
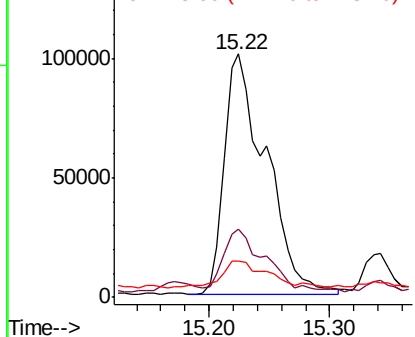
#88
Benzo(k)fluoranthene
Concen: 10.189 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	15.0	10.2	15.2

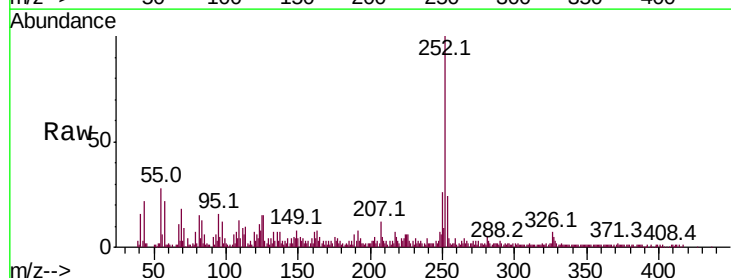


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

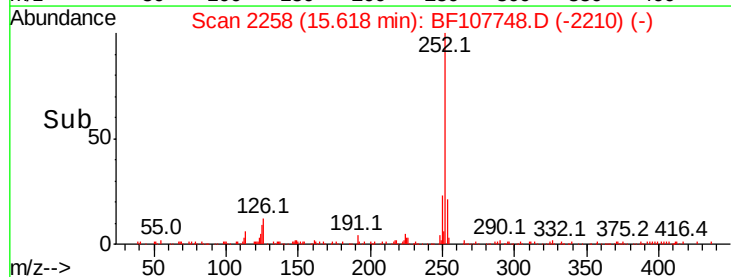
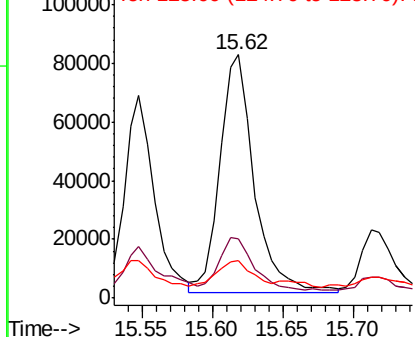


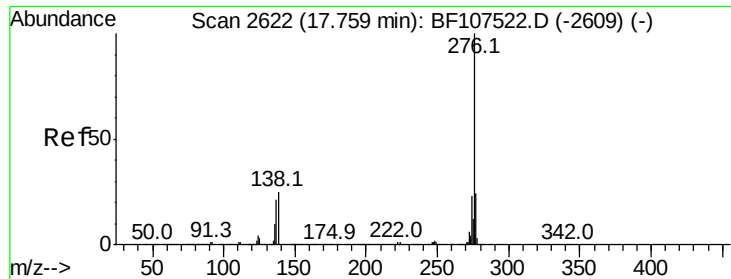
#89
Benzo(a)pyrene
Concen: 6.299 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107748.D
Acq: 27 Jul 2018 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	15.3	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

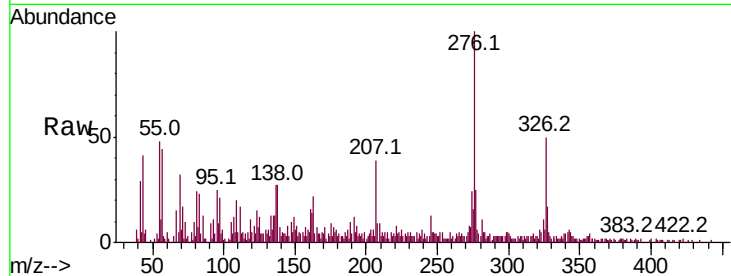




#91
 Benzo(a,h,i)perylene
 Concen: 4.057 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107748.D
 Acq: 27 Jul 2018 16:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	26.6	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

