

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107745.D
 Acq On : 27 Jul 2018 14:59
 Operator : JU/SJ
 Sample : J4180-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 17:07:58 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

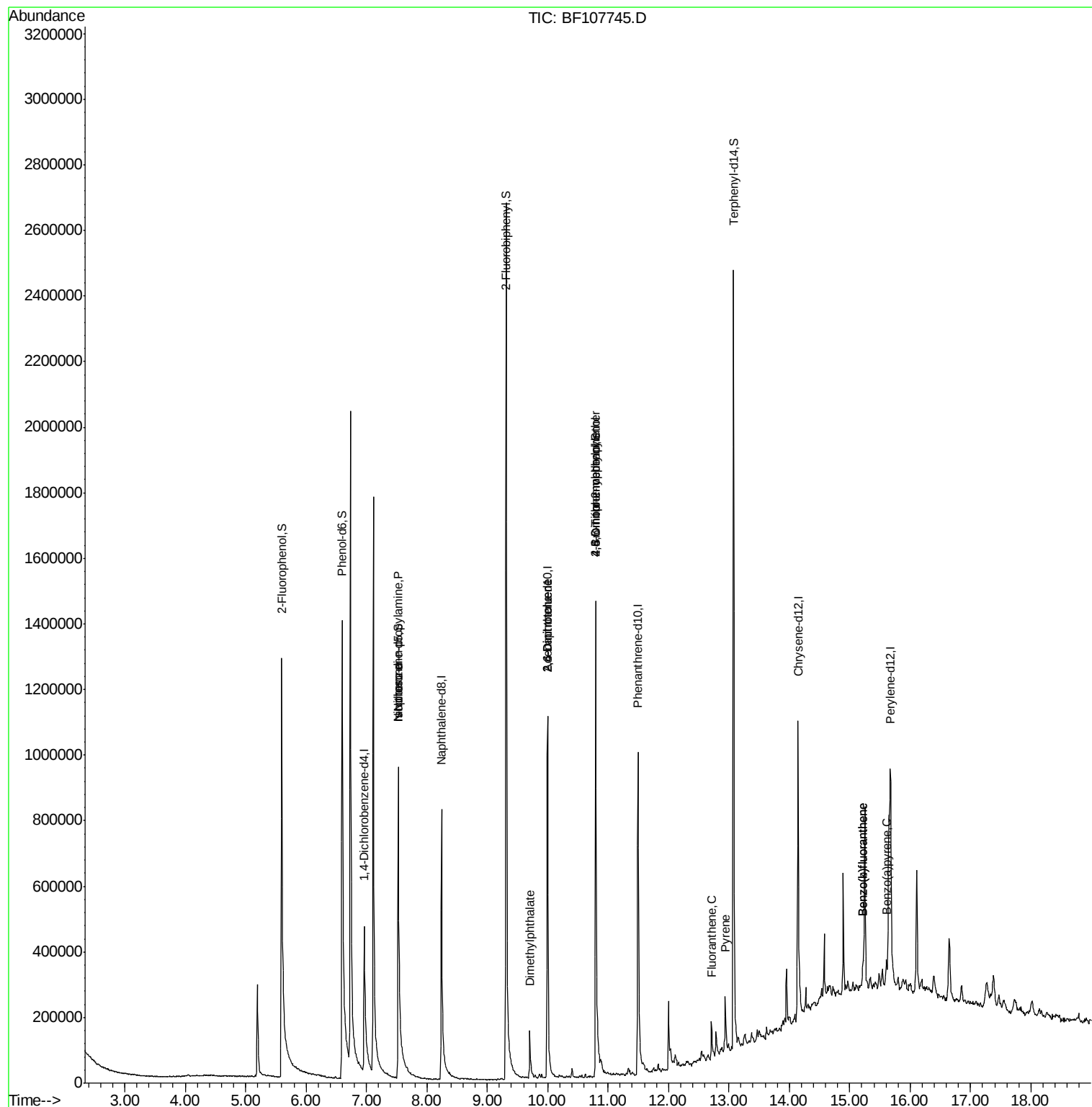
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	151247	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	655438	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	288830	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	550470	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	399168	20.00	ng	-0.02
86) Perylene-d12	15.67	264	429456	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	724886	77.06	ng	-0.01
7) Phenol-d6	6.60	99	975907	86.40	ng	-0.02
23) Nitrobenzene-d5	7.52	82	604229	62.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	294525	89.67	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1139234	62.69	ng	-0.02
78) Terphenyl-d14	13.08	244	991841	63.61	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	75097	10.291	ng	Qvalue # 79
25) Isophorone	7.52	82	604229	29.138	ng	# 64
49) Dimethylphthalate	9.71	163	90316	4.149	ng	98
50) 2,6-Dinitrotoluene	10.00	165	35249	8.156	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	36035	6.907	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	398	8.803	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16455	2.539	ng	# 1
73) Di-n-butylphthalate	12.04	149	25010	Below Cal		# 98
74) Fluoranthene	12.71	202	66674	2.316	ng	96
77) Pyrene	12.94	202	96234	3.525	ng	96
81) 3,3'-Dichlorobenzidine	14.10	252	455	Below Cal		# 83
87) Benzo(b)fluoranthene	15.22	252	75448	3.210	ng	# 86
88) Benzo(k)fluoranthene	15.22	252	74120	3.219	ng	# 89
89) Benzo(a)pyrene	15.61	252	52383	2.436	ng	93

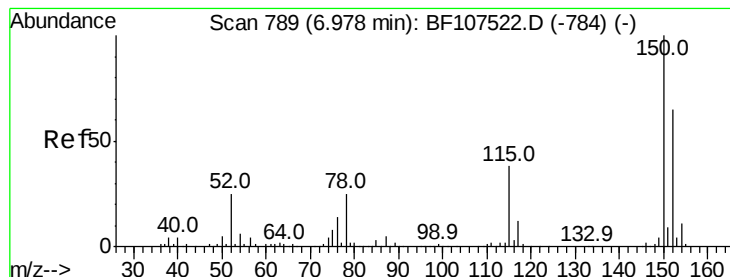
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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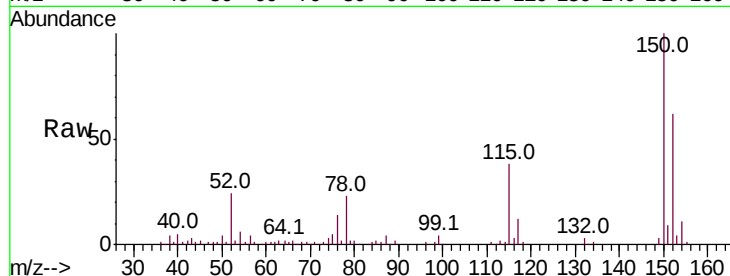


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF107745.D
 Acq: 27 Jul 2018 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.6	186.8
115	60.5	50.1	75.1

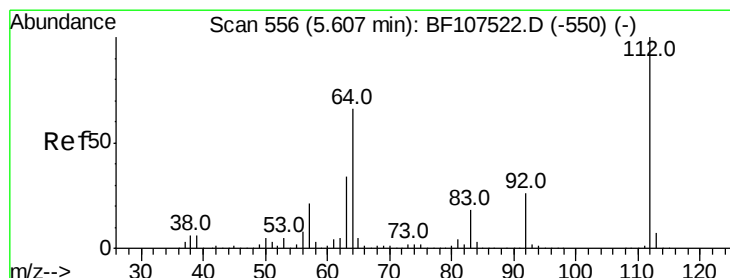
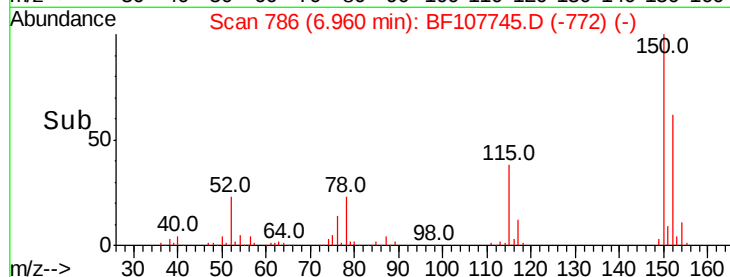
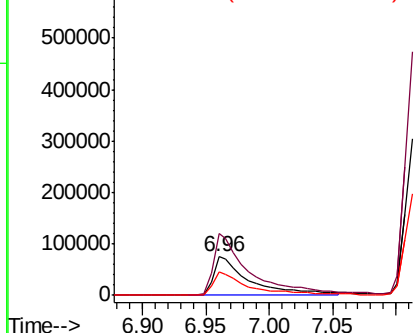


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

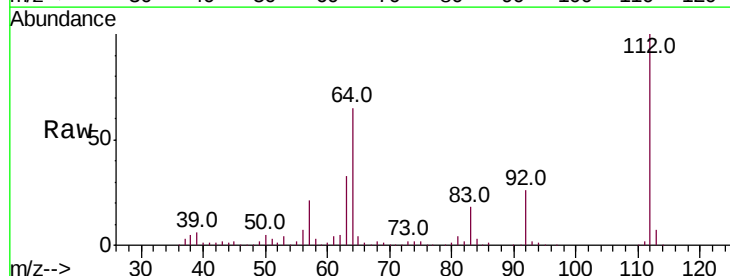
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 77.058 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107745.D
 Acq: 27 Jul 2018 14:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	47.9	71.9
63	32.8	23.7	35.5

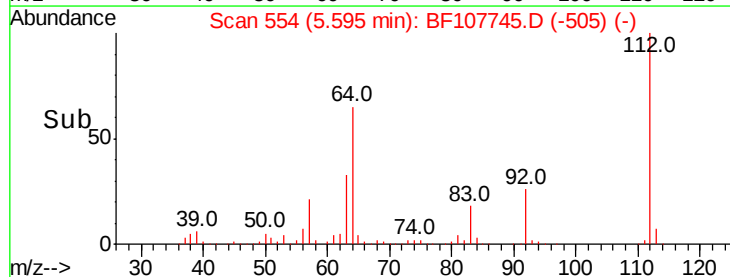
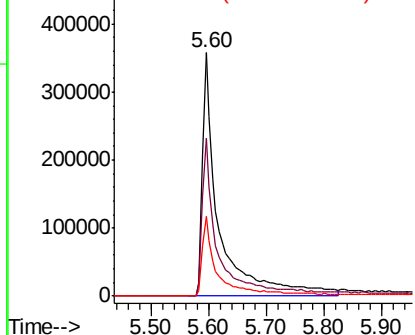


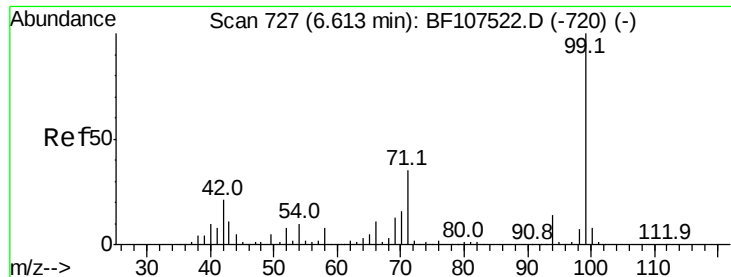
Abundance

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: 86.399 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

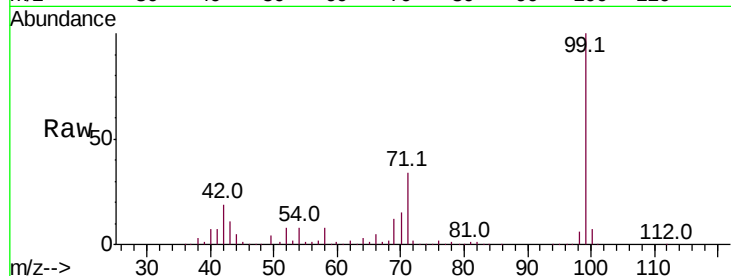
Tot Ion: 99 Resp: 975907

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

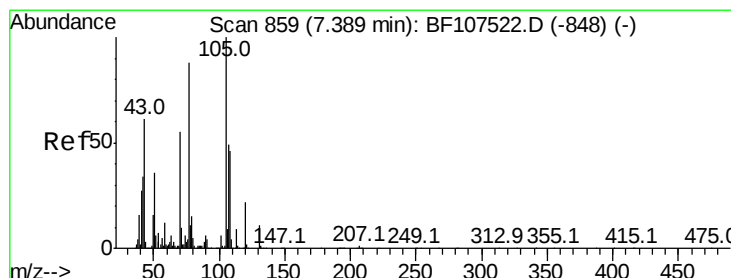
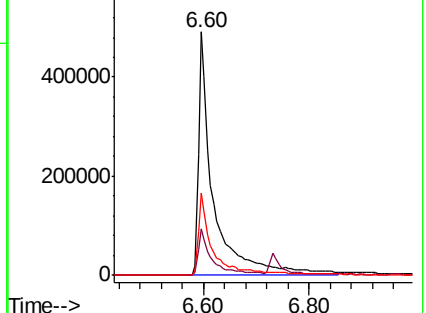
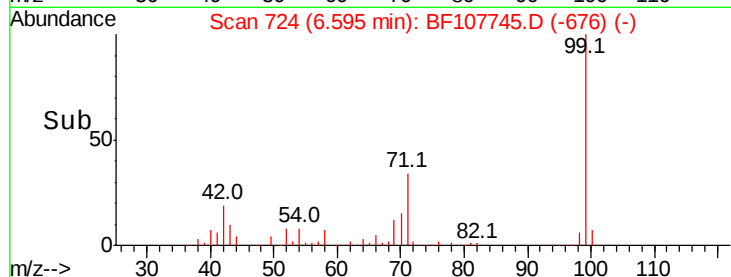
71 33.8 25.4 38.0



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: 10.291 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

Tgt Ion: 70 Resp: 75097

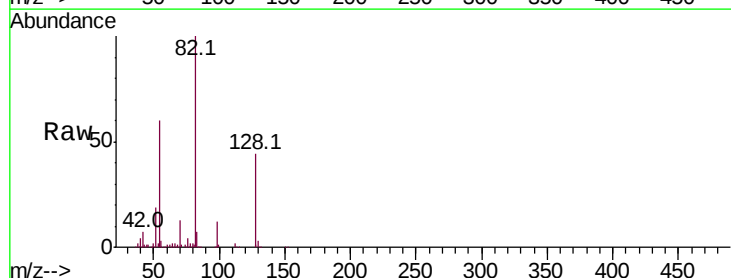
Ion Ratio Lower Upper

70 100

42 48.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

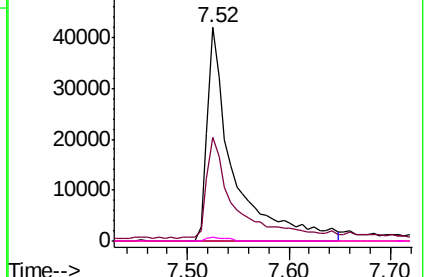
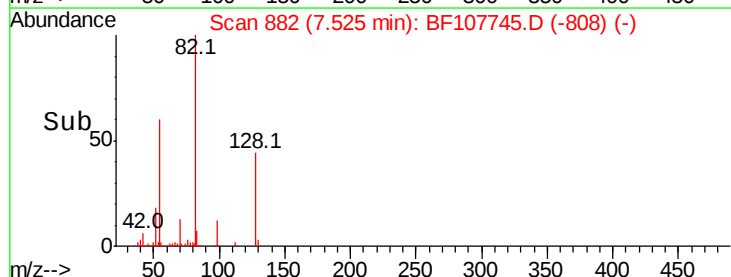


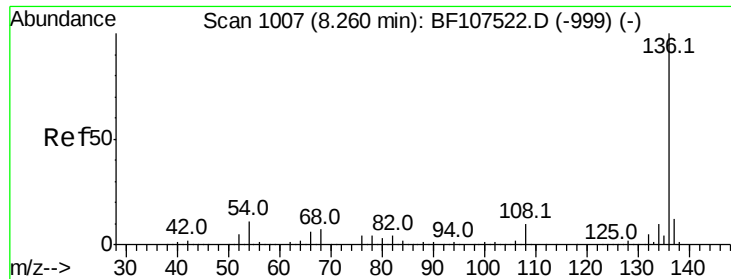
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

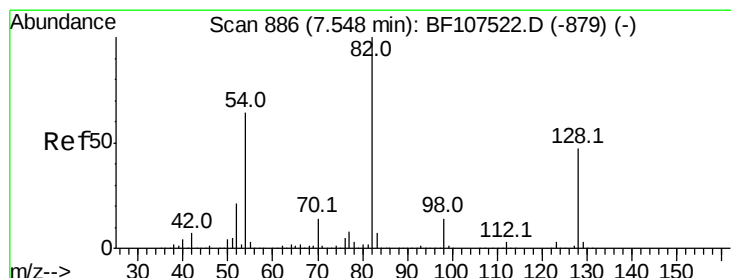
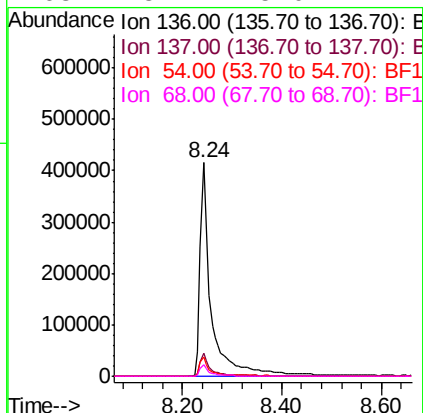
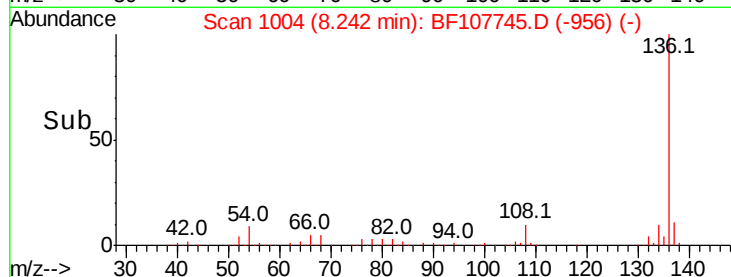
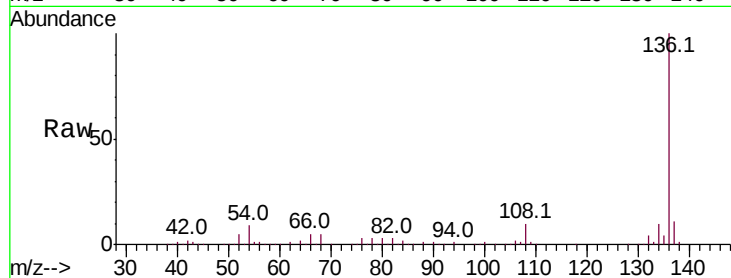




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

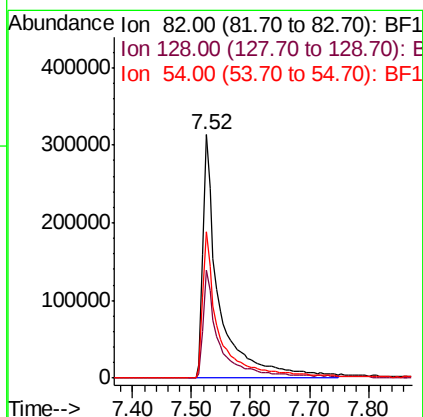
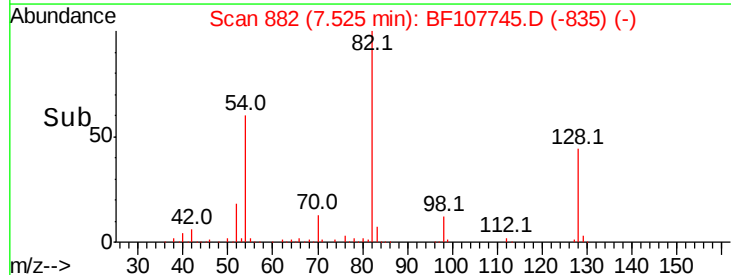
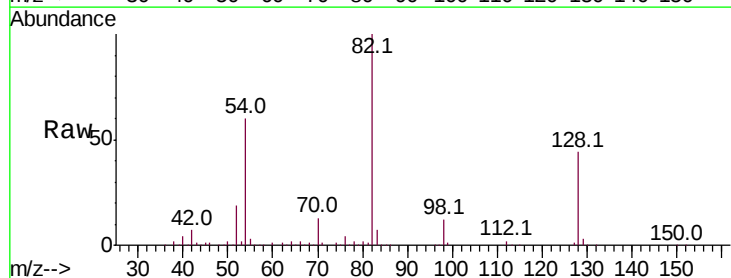
Instrument :
BNA_F
ClientSampleId :

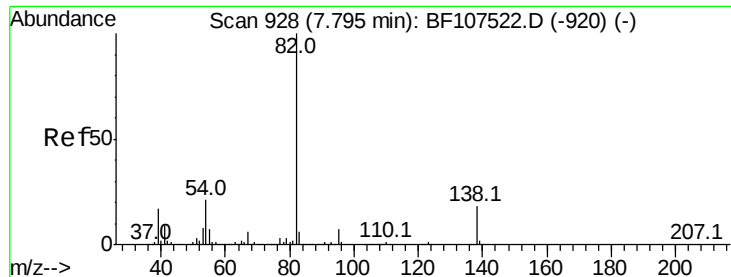
Tot Ion:136	Resp:	655438
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	9.3	6.6 9.8
68	5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 62.215 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion: 82	Resp:	604229
Ion	Ratio	Lower Upper
82	100	
128	44.3	36.1 54.1
54	60.0	41.4 62.2





#25

Isophorone

Concen: 29.138 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

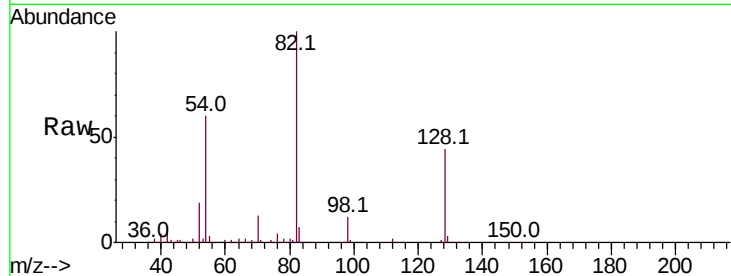
Tot Ion: 82 Resp: 604229

Ion Ratio Lower Upper

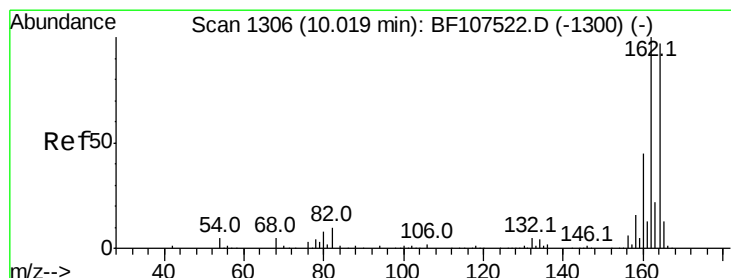
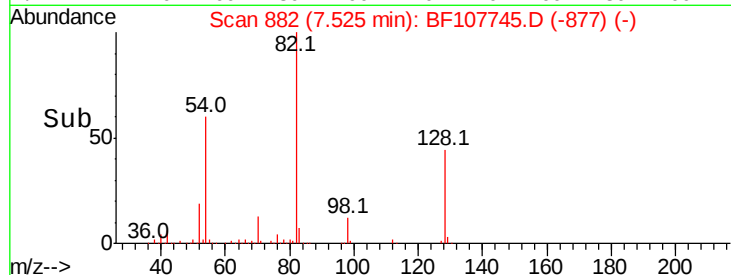
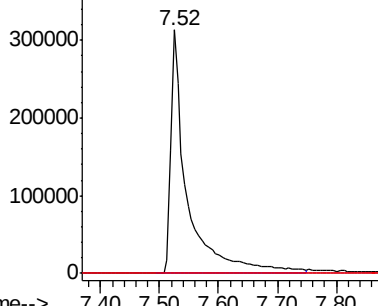
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

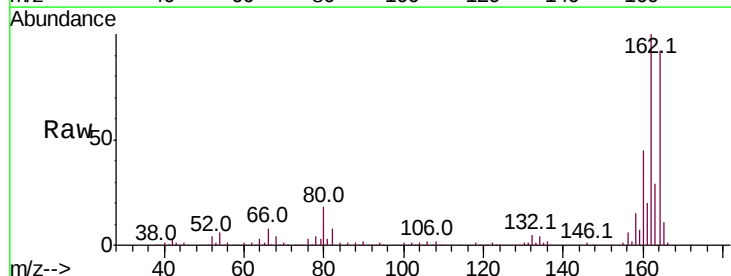
Tgt Ion:164 Resp: 288830

Ion Ratio Lower Upper

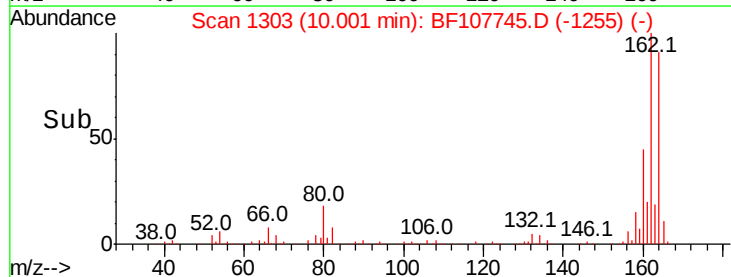
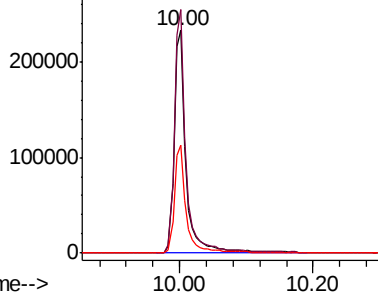
164 100

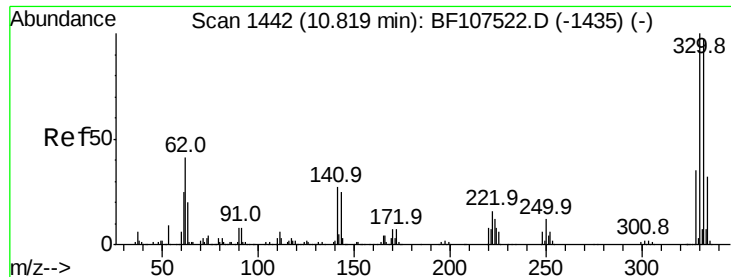
162 109.2 86.1 129.1

160 48.7 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

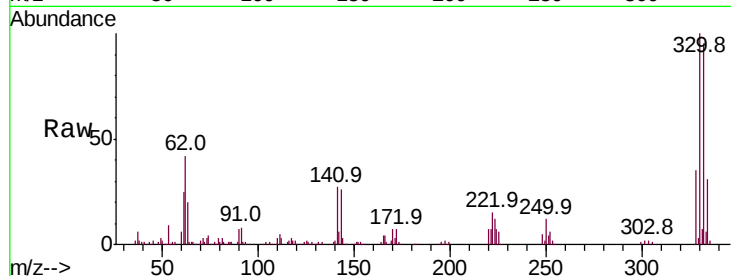




#41
 2,4,6-Tribromophenol
 Concen: 89.673 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107745.D
 Acq: 27 Jul 2018 14:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	28.8	29.9	44.9#

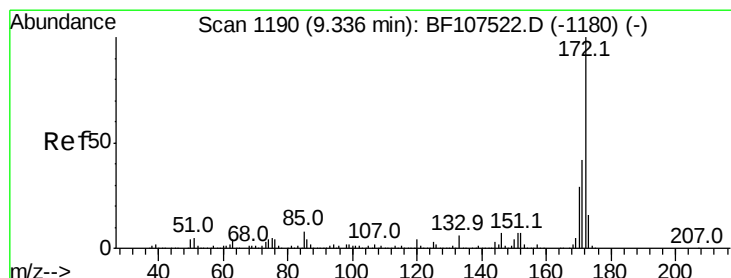
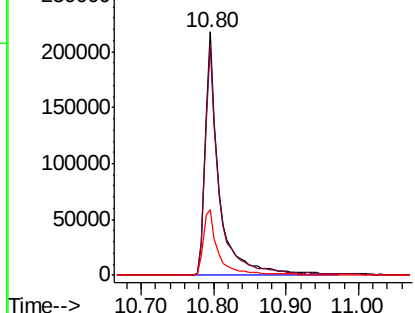
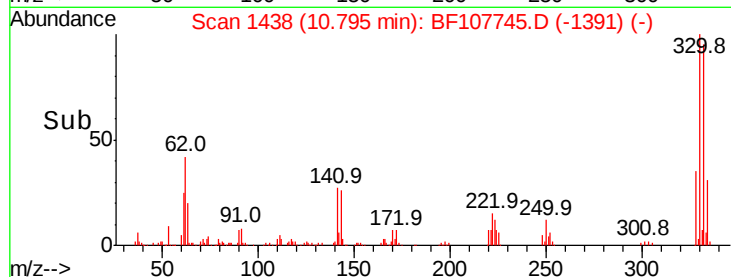


Abundance

Ion 329.80 (329.50 to 330.50): E

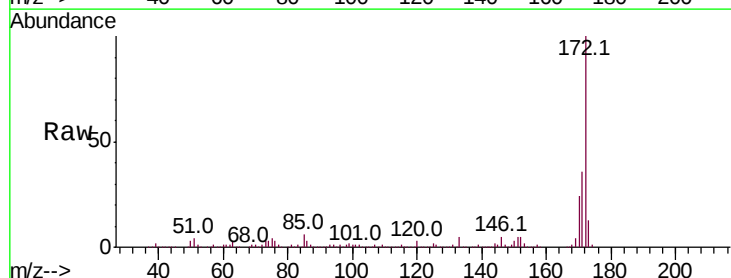
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 62.686 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107745.D
 Acq: 27 Jul 2018 14:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	19.6	29.4

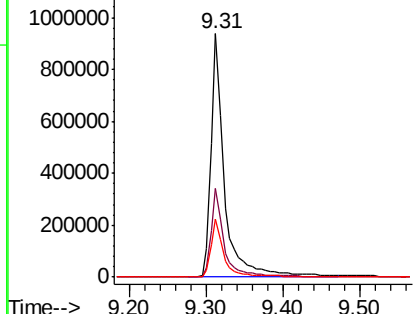
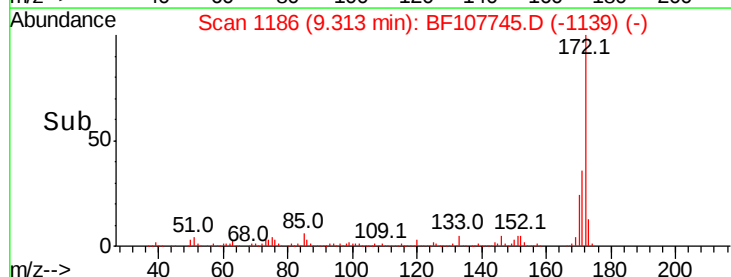


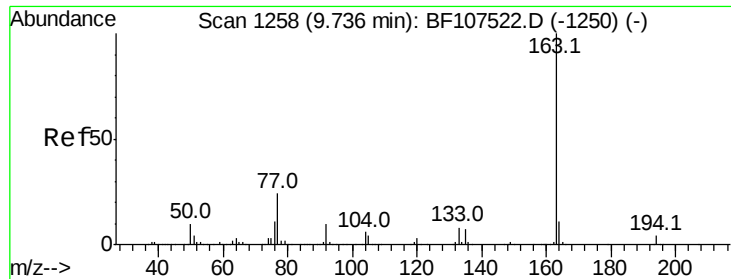
Abundance

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

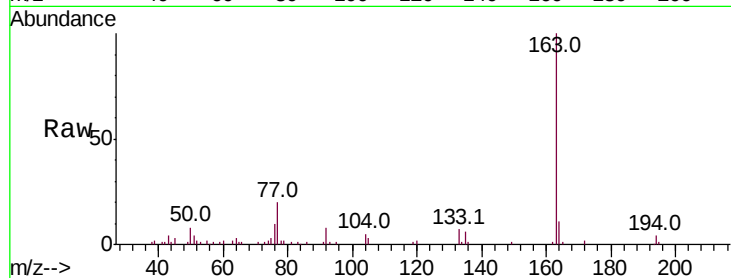




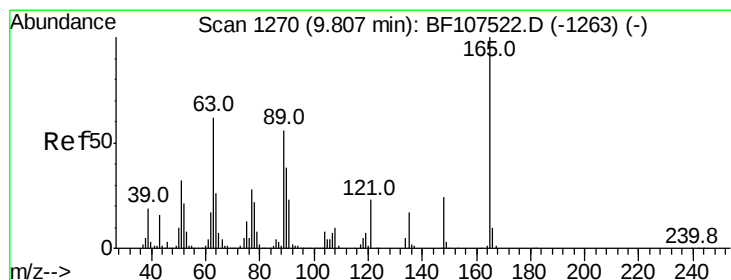
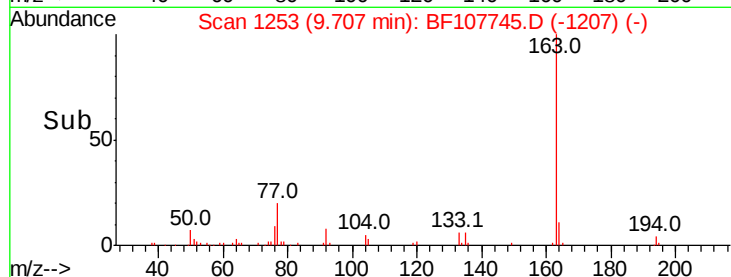
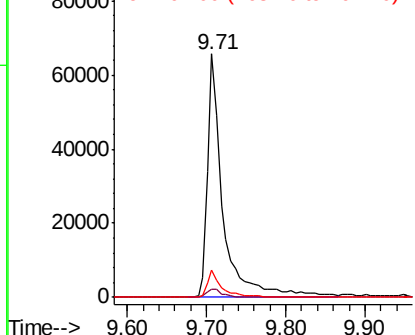
#49
Dimethylphthalate
Concen: 4.149 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 90316
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 11.1 8.2 12.2

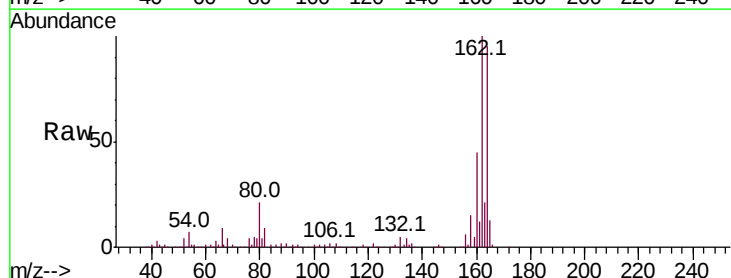


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

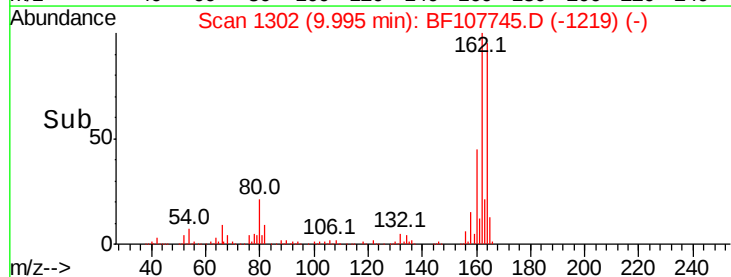
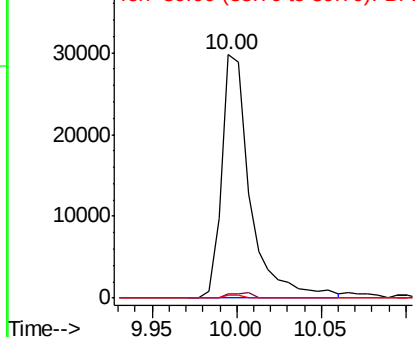


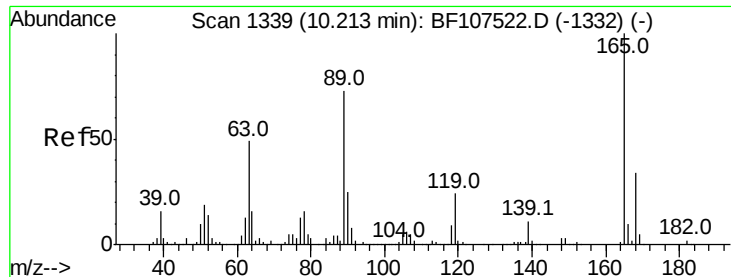
#50
2,6-Dinitrotoluene
Concen: 8.156 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.19 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion:165 Resp: 35249
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.4 44.0 66.0#



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

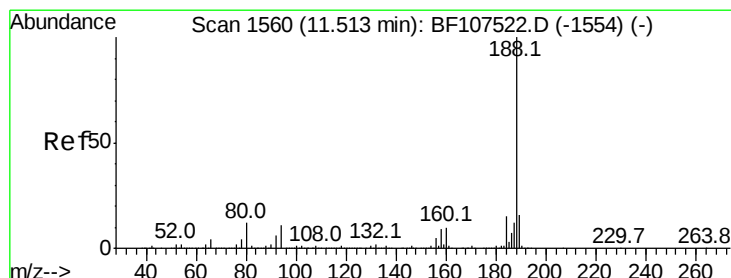
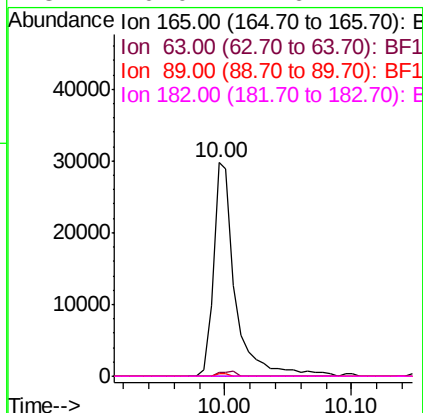
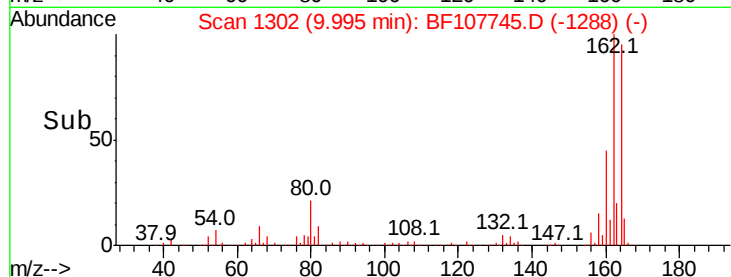
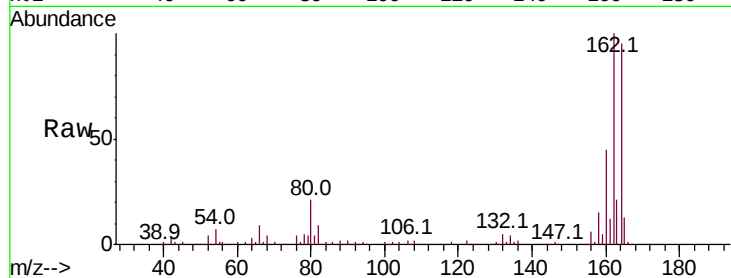




#56
2,4-Dinitrotoluene
Concen: 6.907 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.22 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

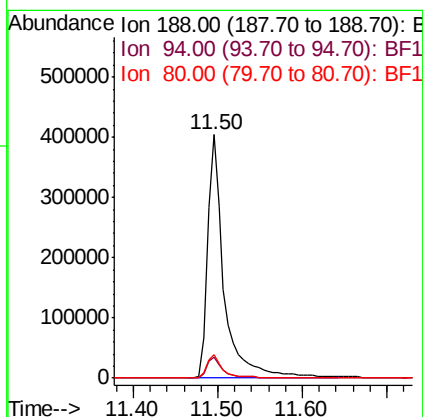
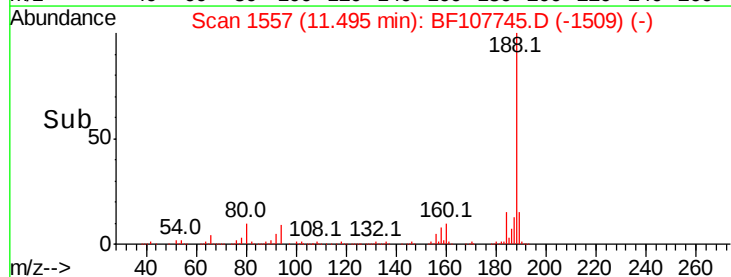
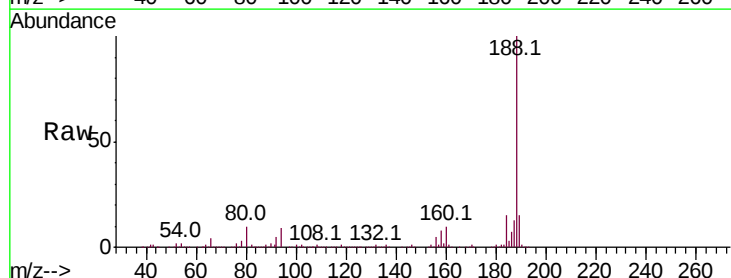
Instrument :
BNA_F
ClientSampleId :

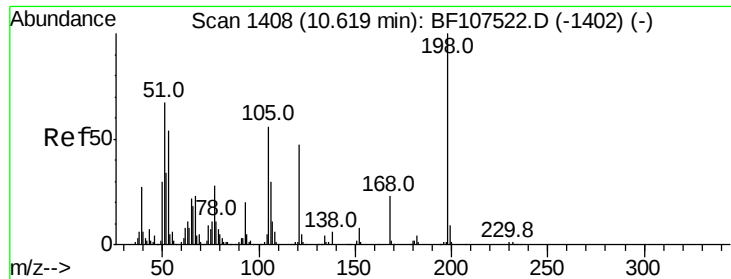
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.7	9.2	13.8

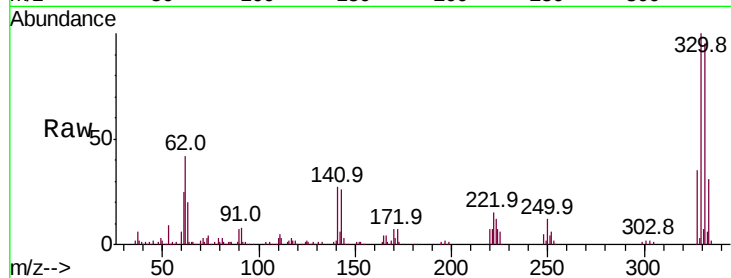




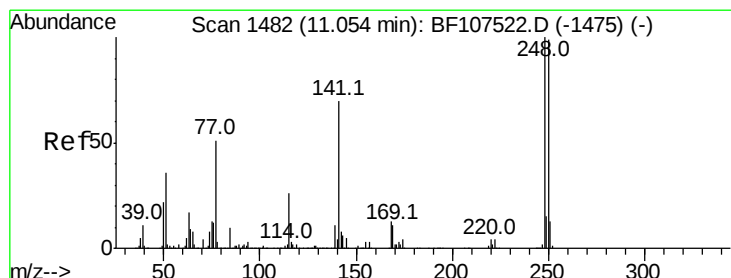
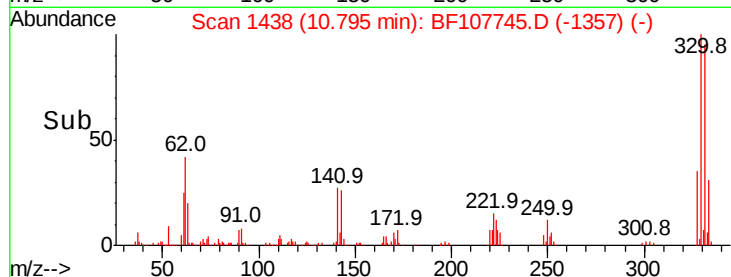
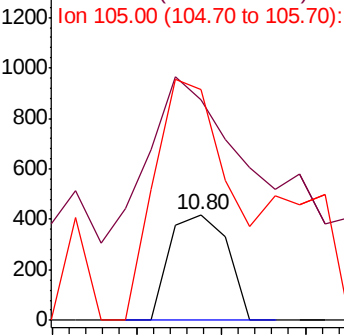
#64
4,6-Dinitro-2-methylphenol
Concen: 8.803 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 398
Ion Ratio Lower Upper
198 100
51 209.1 37.7 77.7#
105 218.4 36.3 76.3#

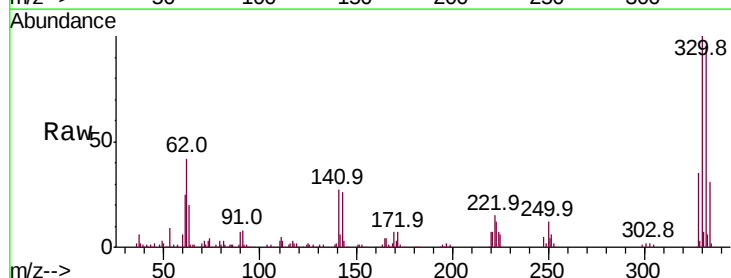


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

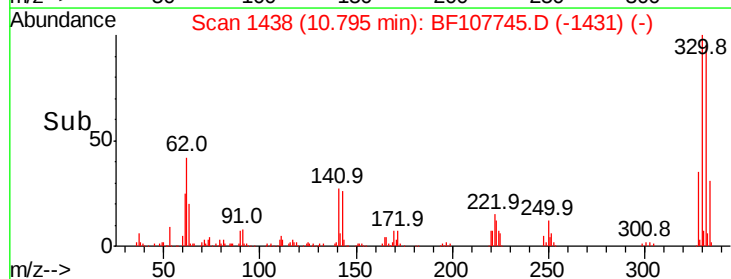
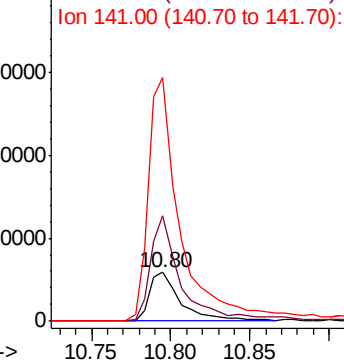


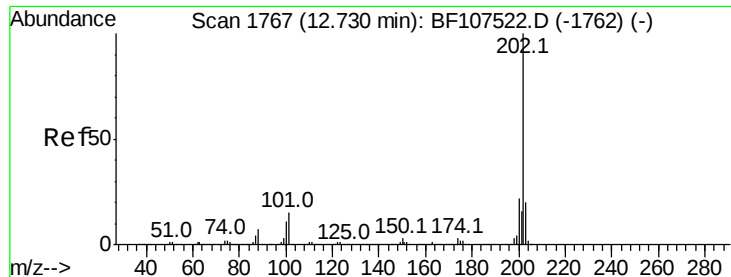
#66
4-Bromophenyl-phenylether
Concen: 2.539 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion:248 Resp: 16455
Ion Ratio Lower Upper
248 100
250 218.4 76.9 115.3#
141 502.0 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: 2.316 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

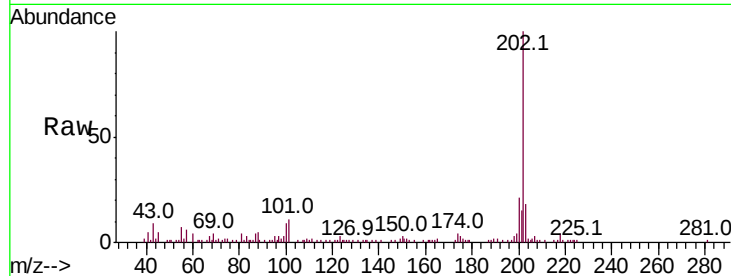
Tot Ion:202 Resp: 66674

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

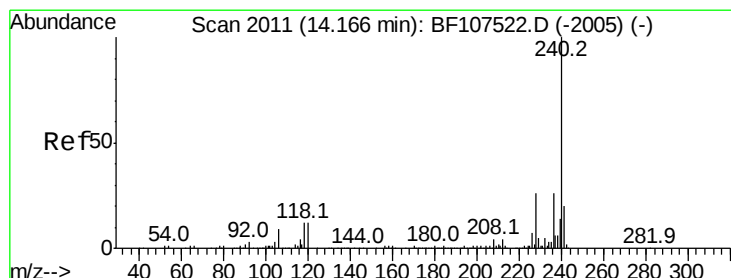
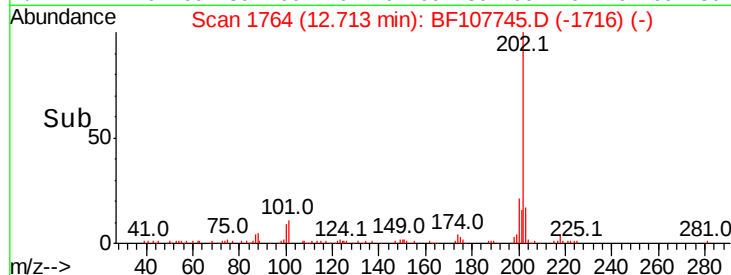
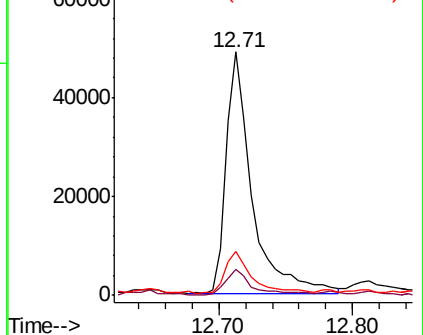
203 18.0 0.0 38.1



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: BF107745.D

Acq: 27 Jul 2018 14:59

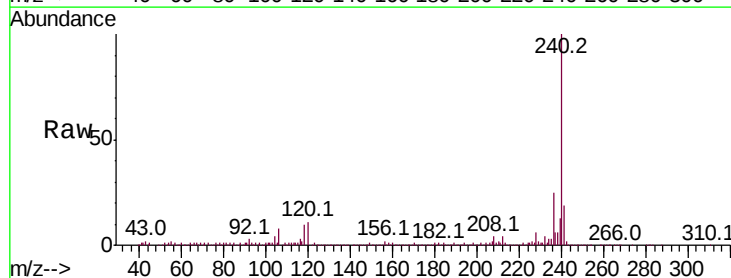
Tgt Ion:240 Resp: 399168

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

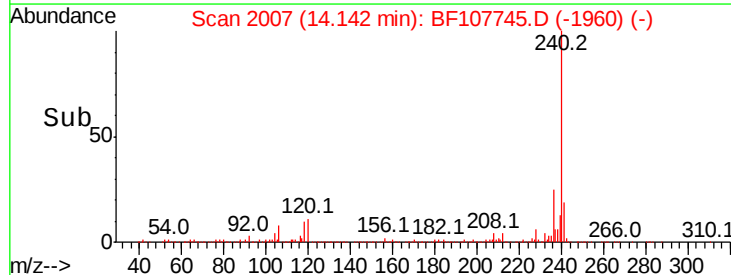
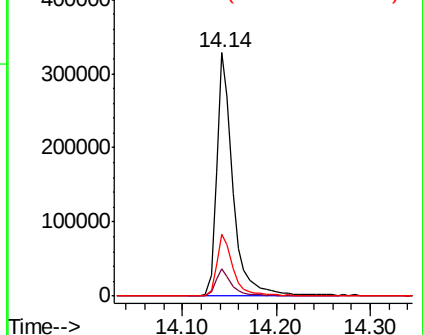
236 25.2 20.7 31.1

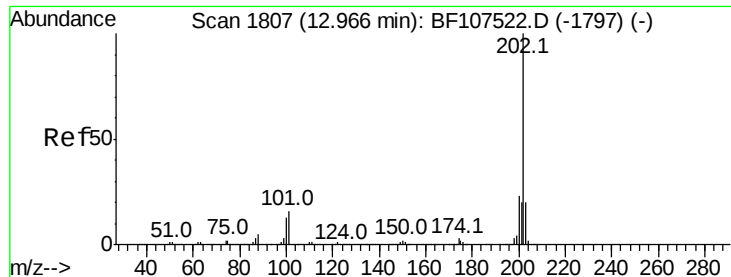


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

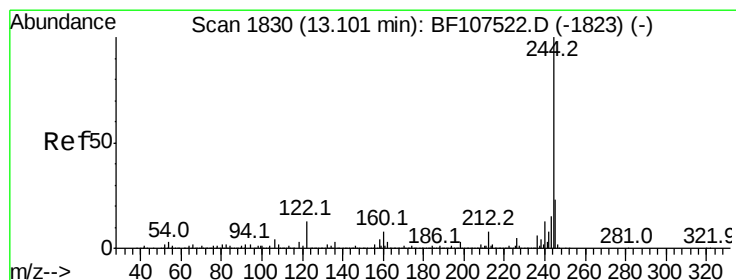
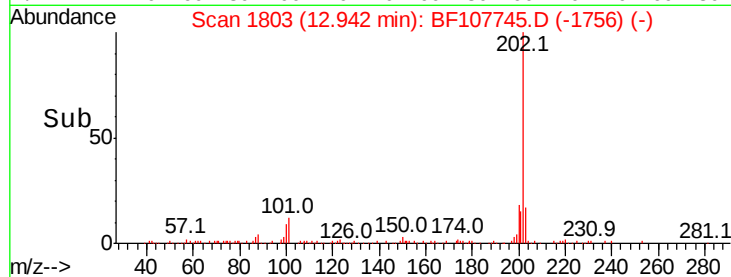
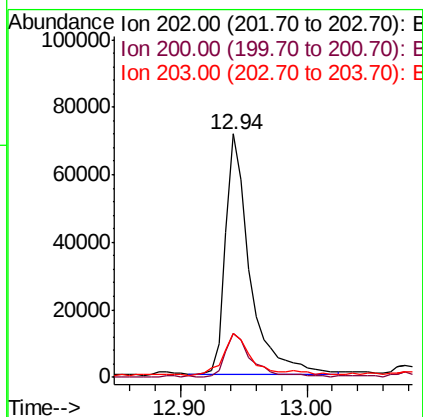
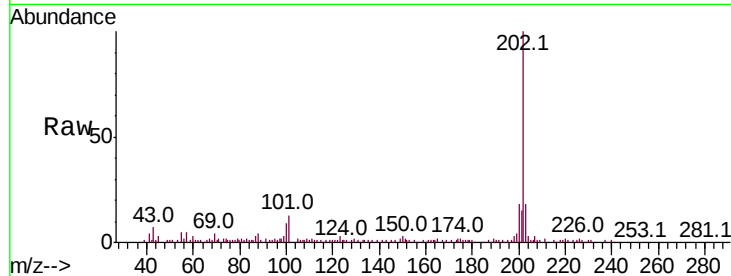




#77
Pvrene
Concen: 3.525 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

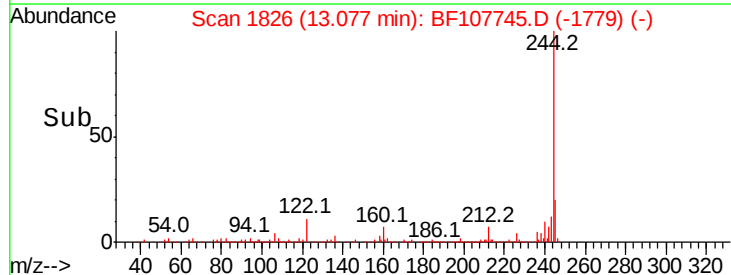
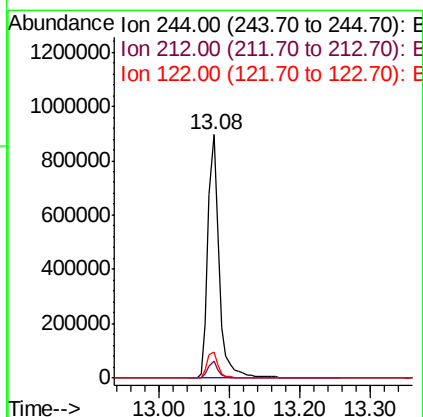
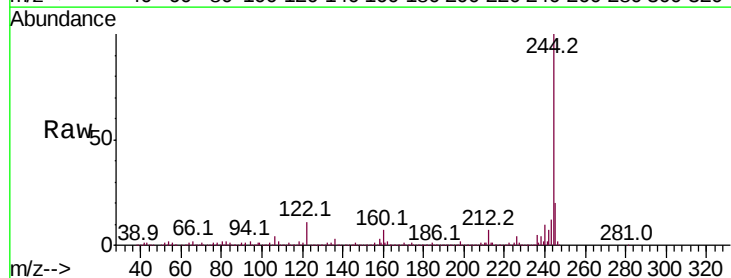
Instrument :
BNA_F
ClientSampled :

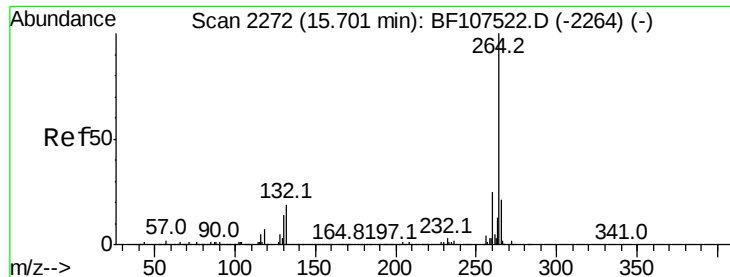
Tot Ion	Ratio	Lower	Upper
202	100		
200	18.2	17.4	26.2
203	18.1	14.3	21.5



#78
Terphenyl-d14
Concen: 63.612 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.8	11.0	16.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.03 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

Instrument :

BNA_F

ClientSampleId :

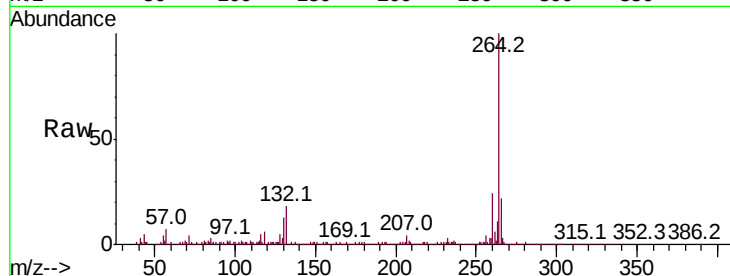
Tot Ion:264 Resp: 429456

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

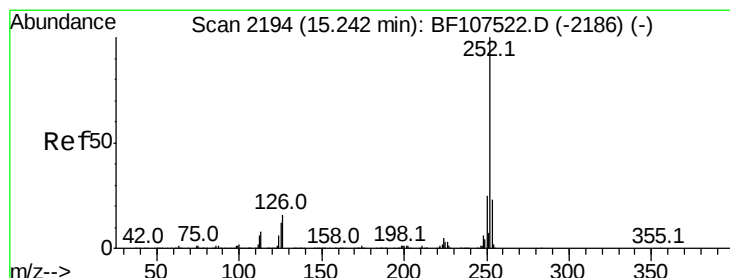
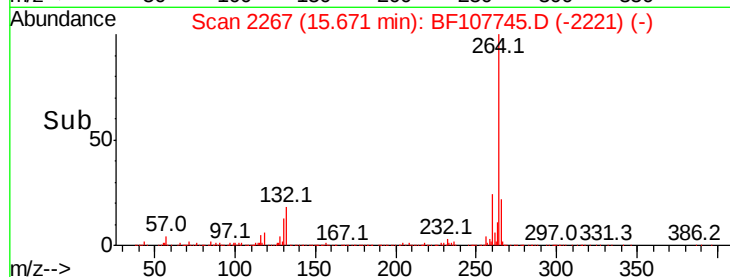
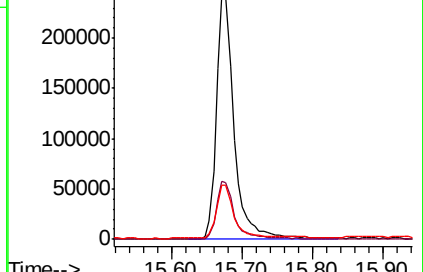
265 22.0 17.5 26.3



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: 3.210 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BF107745.D

Acq: 27 Jul 2018 14:59

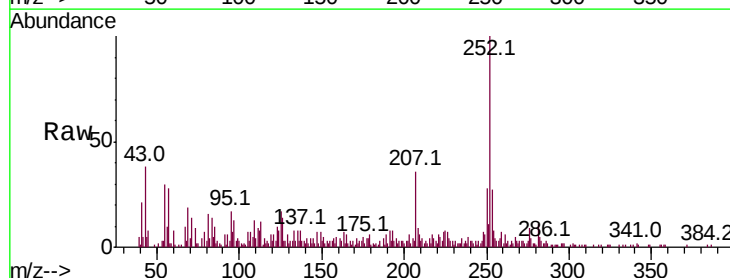
Tgt Ion:252 Resp: 75448

Ion Ratio Lower Upper

252 100

253 27.3 17.0 25.6#

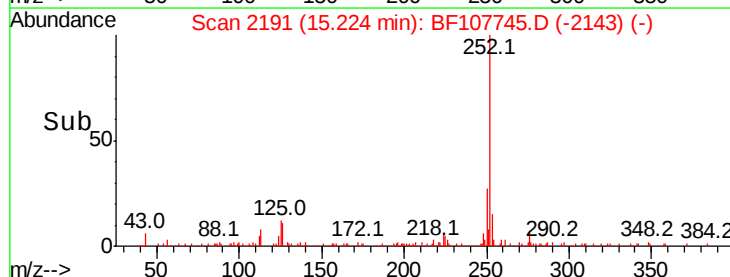
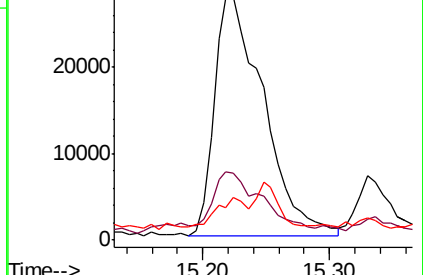
125 17.4 9.0 13.6#

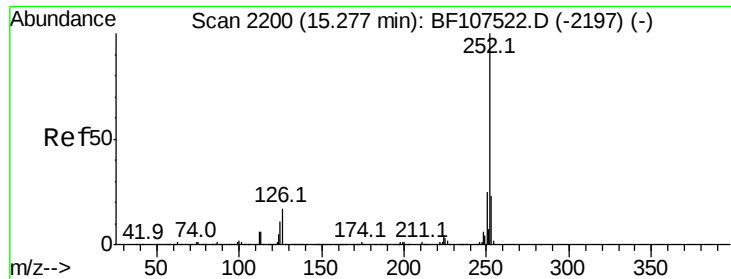


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

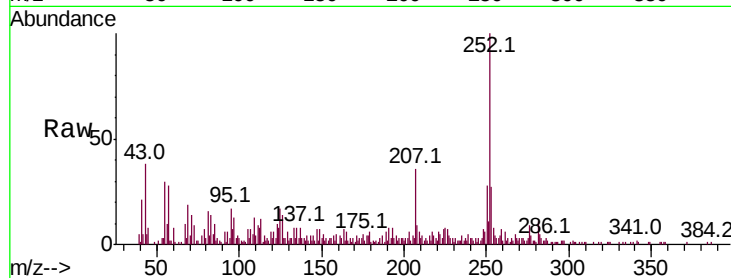




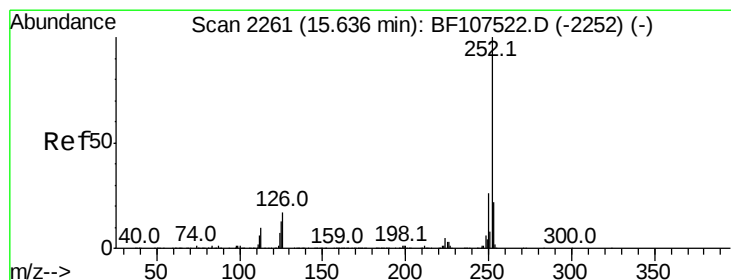
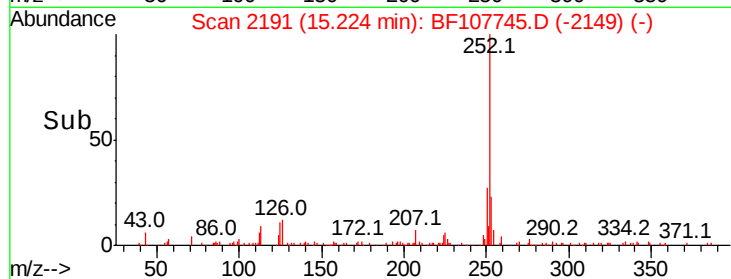
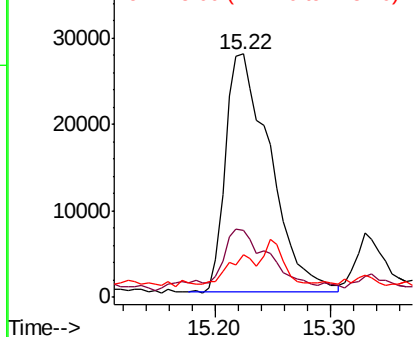
#88
Benzo(k)fluoranthene
Concen: 3.219 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 74120
Ion Ratio Lower Upper
252 100
253 27.3 17.9 26.9#
125 17.4 10.2 15.2#

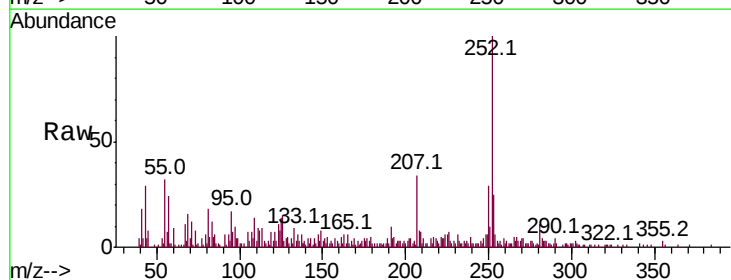


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.436 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF107745.D
Acq: 27 Jul 2018 14:59

Tgt Ion:252 Resp: 52383
Ion Ratio Lower Upper
252 100
253 25.3 17.1 25.7
125 13.9 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

