

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104771.D
 Acq On : 24 Apr 2018 21:55
 Operator : JU/SJ
 Sample : J2508-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 23:23:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	101073	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	415606	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	175678	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	301912	20.00	ng	0.00
75) Chrysene-d12	13.99	240	216787	20.00	ng	0.00
86) Perylene-d12	15.47	264	154268	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	468734	70.91	ng	0.01
7) Phenol-d6	6.45	99	583555	71.85	ng	0.00
23) Nitrobenzene-d5	7.37	82	351659	55.25	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	128237	70.37	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	646643	58.15	ng	0.00
78) Terphenyl-d14	12.93	244	551031	57.95	ng	0.00

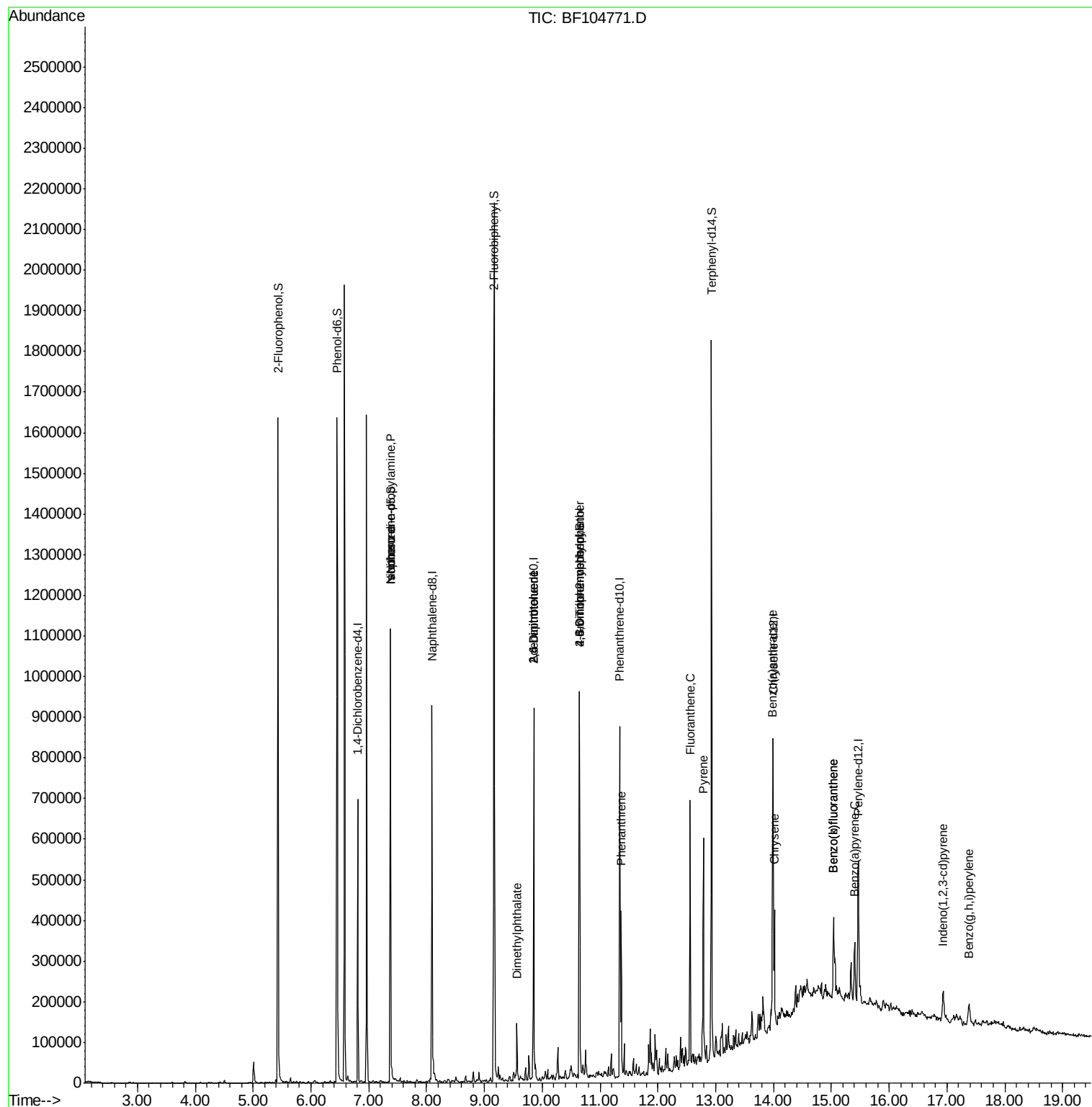
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	46695	8.798	ng	# 72
25) Isophorone	7.37	82	351656	26.128	ng	# 64
49) Dimethylphthalate	9.56	163	54808	3.956	ng	98
50) 2,6-Dinitrotoluene	9.85	165	23276	9.080	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	23276	6.922	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	123	7.418	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	7980	2.485	ng	# 1
70) Phenanthrene	11.36	178	132252	7.866	ng	99
74) Fluoranthene	12.56	202	220981	12.580	ng	97
76) Benzidine	12.93	184	7413	Below Cal		96
77) Pyrene	12.79	202	208223	12.958	ng	99
80) Benzo(a)anthracene	13.98	228	100168	7.734	ng	96
82) Chrysene	14.02	228	98304	7.390	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	42340	3.747	ng	# 88
87) Benzo(b)fluoranthene	15.04	252	138874	14.253	ng	97
88) Benzo(k)fluoranthene	15.04	252	138874	15.097	ng	99
89) Benzo(a)pyrene	15.40	252	61537	7.059	ng	96
91) Benzo(a,h,i)perylene	17.38	276	41658	6.005	ng	94

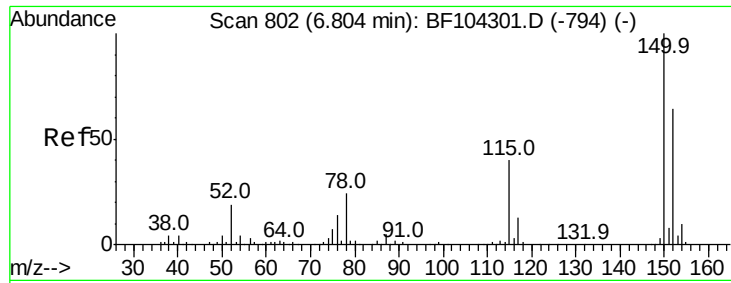
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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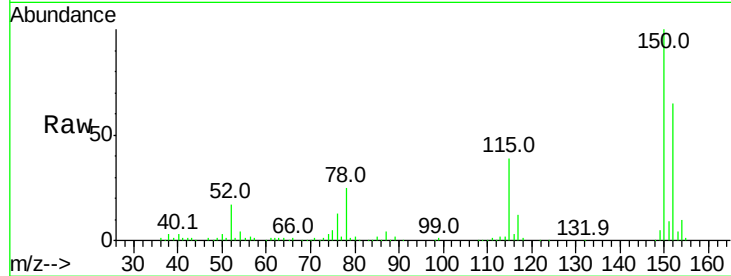


#1

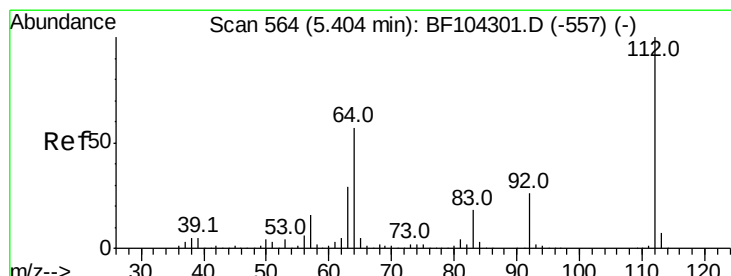
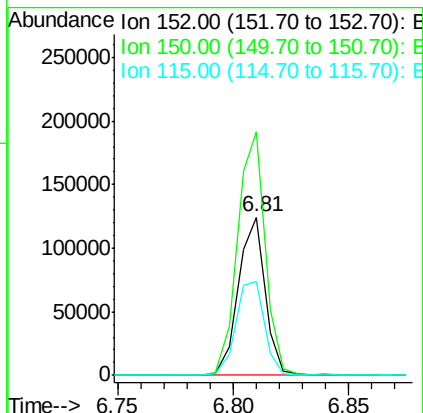
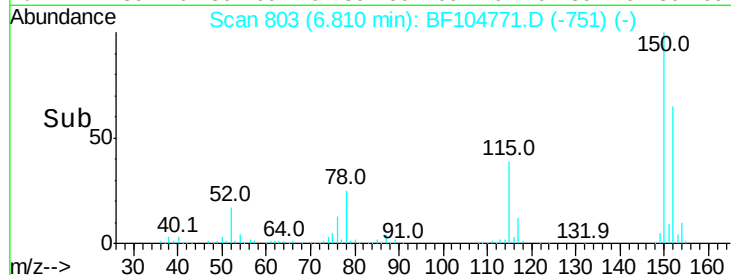
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101073
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 59.7 50.1 75.1



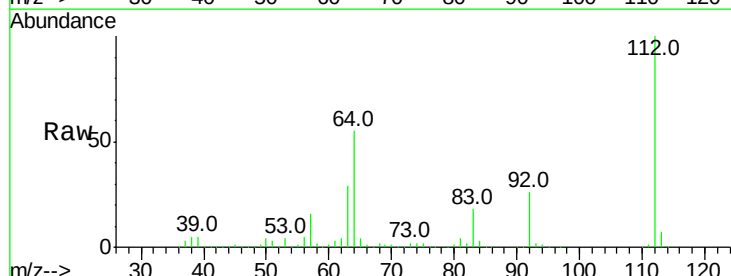
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



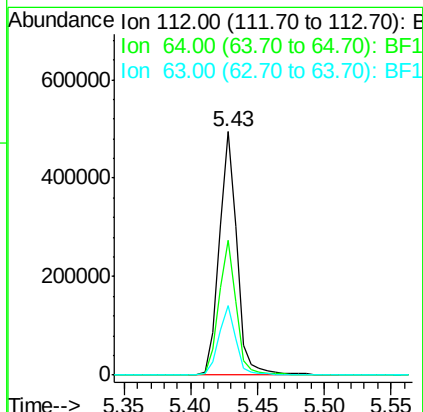
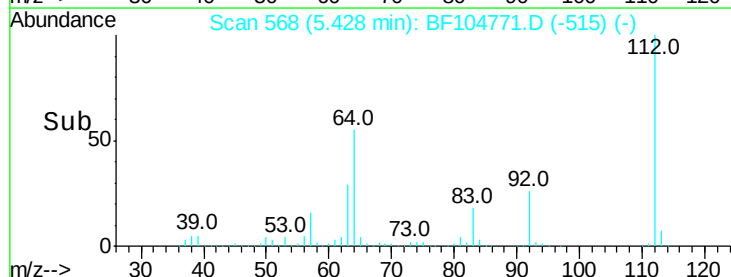
#5

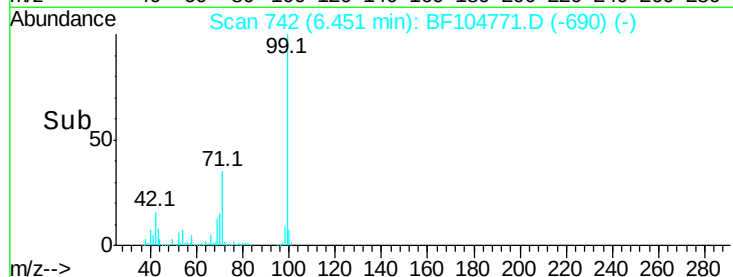
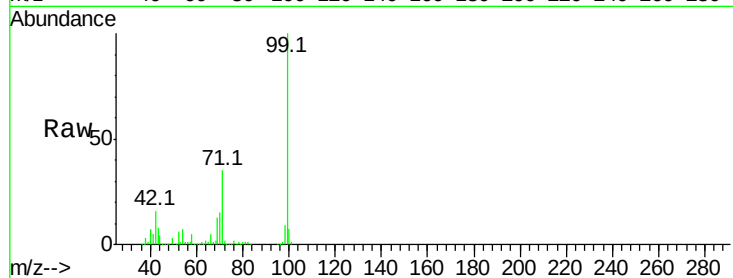
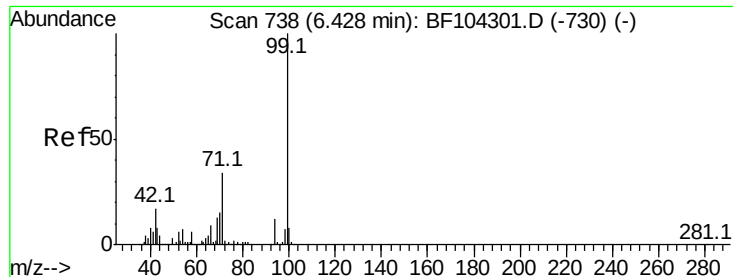
2-Fluorophenol
Concen: 70.911 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:112 Resp: 468734
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 28.7 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: 71.851 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

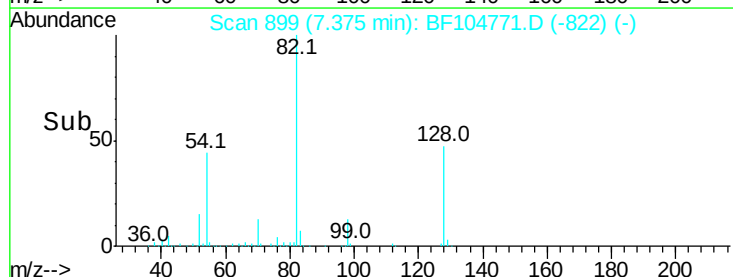
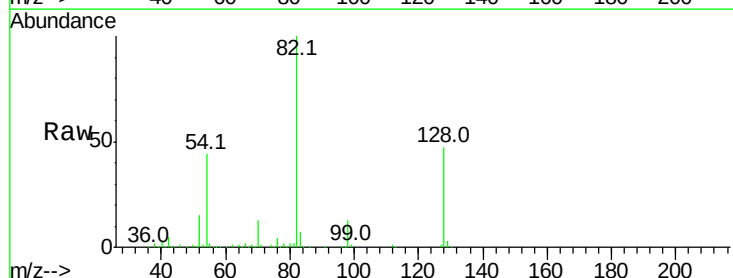
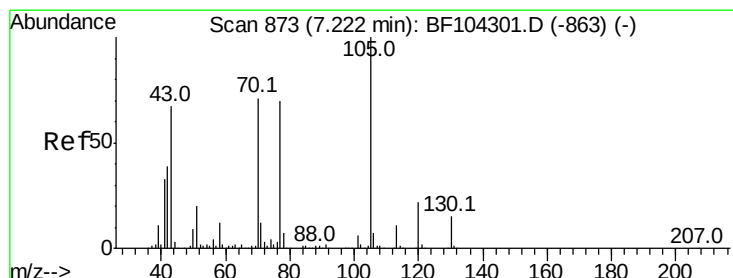
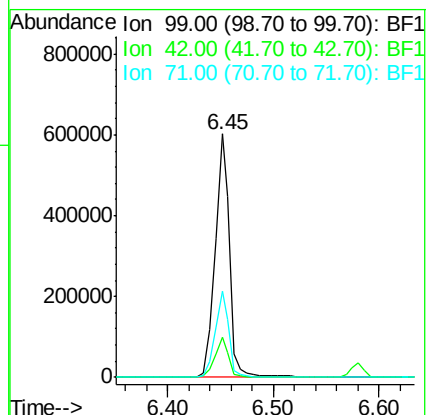
Tot Ion: 99 Resp: 583555

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 8.798 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Tgt Ion: 70 Resp: 46695

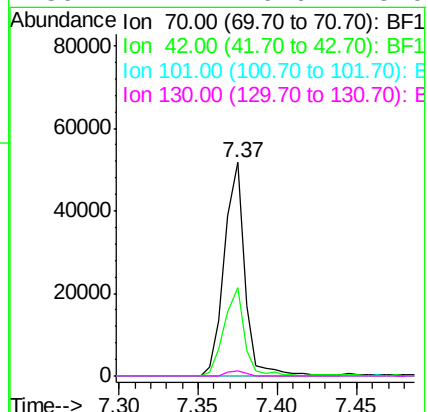
Ion Ratio Lower Upper

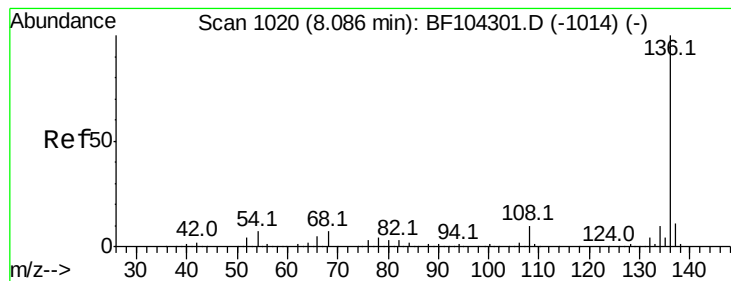
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415606

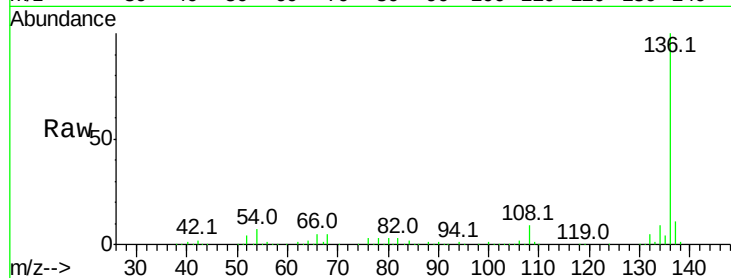
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.7 6.6 9.8

68 5.5 5.0 7.4

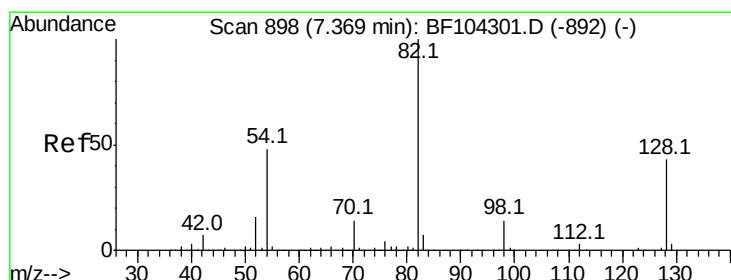
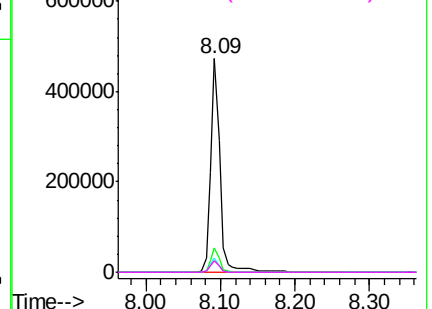
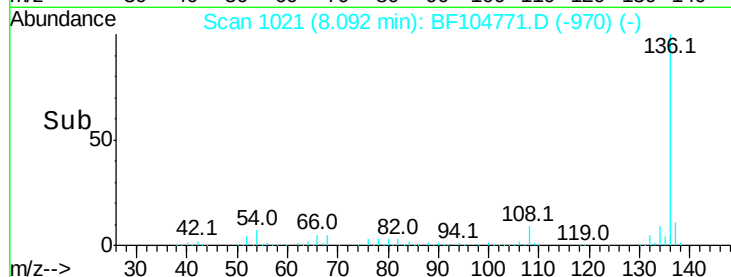


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 55.251 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

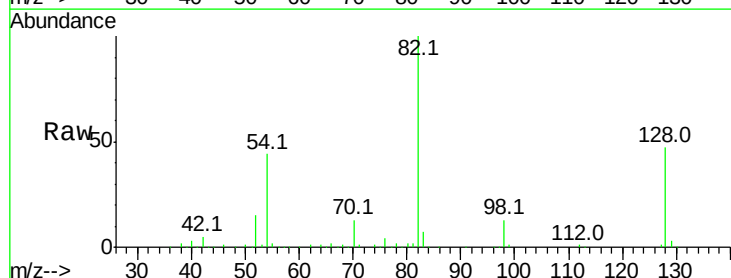
Tgt Ion: 82 Resp: 351659

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

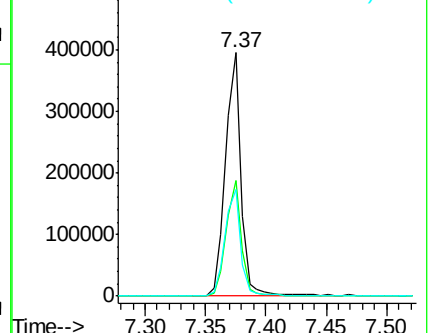
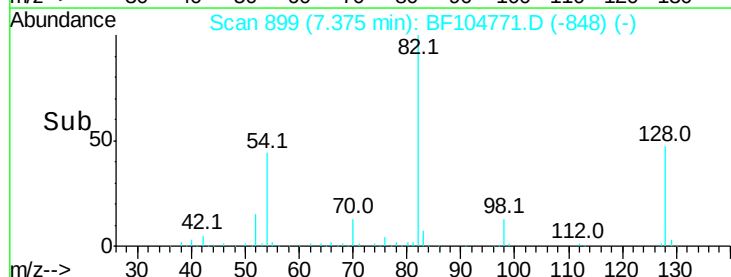
54 43.7 41.4 62.2

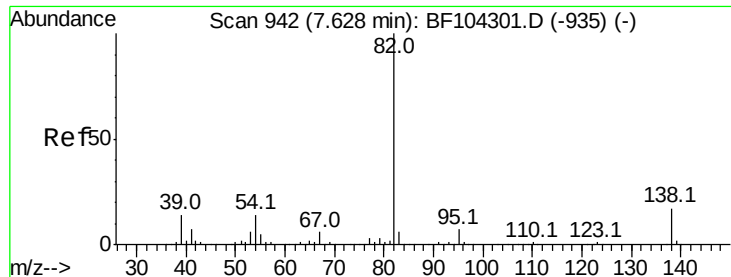


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.128 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

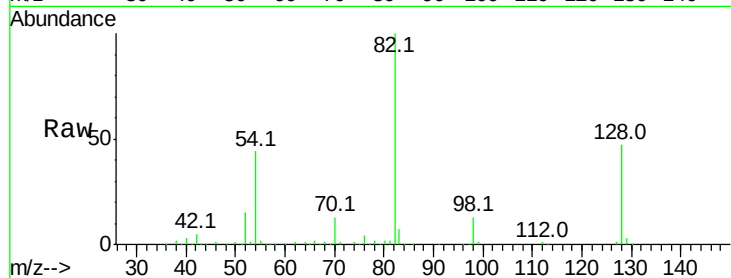
Tot Ion: 82 Resp: 351656

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

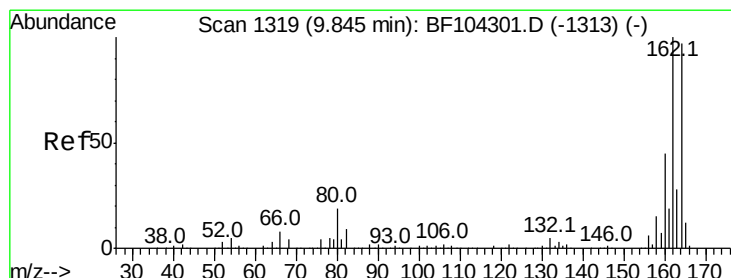
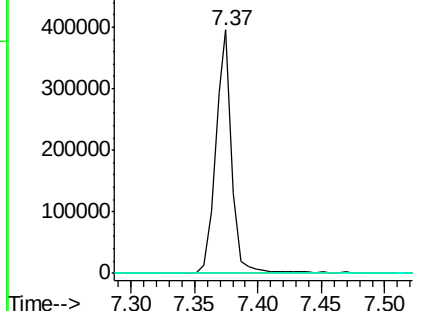
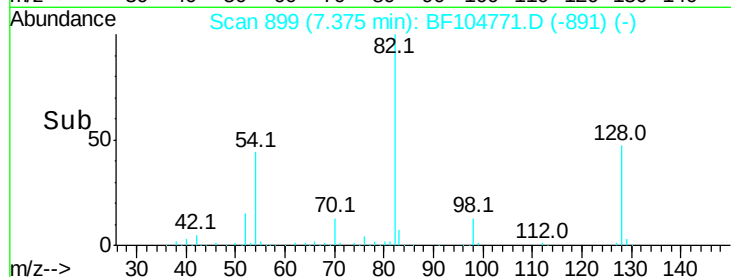
138 0.0 14.9 22.3#



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): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

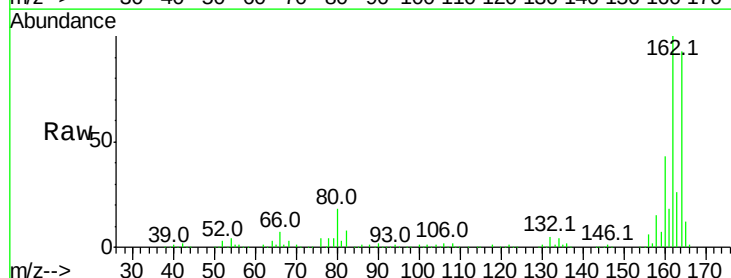
Tgt Ion:164 Resp: 175678

Ion Ratio Lower Upper

164 100

162 107.1 86.1 129.1

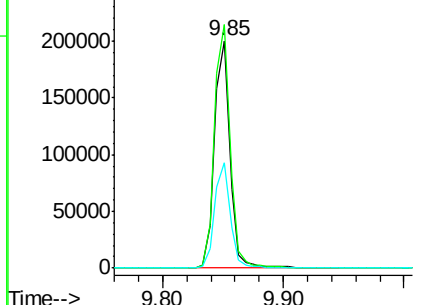
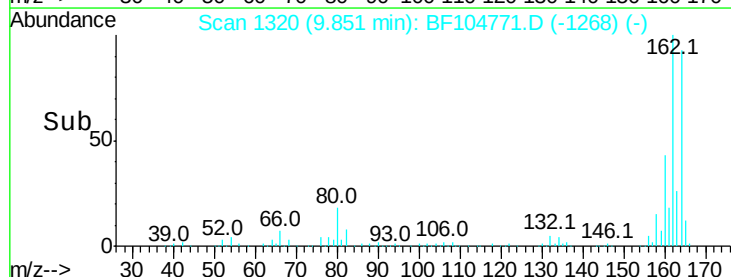
160 46.3 38.3 57.5

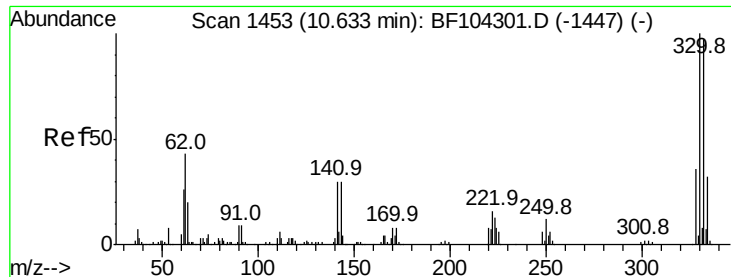


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

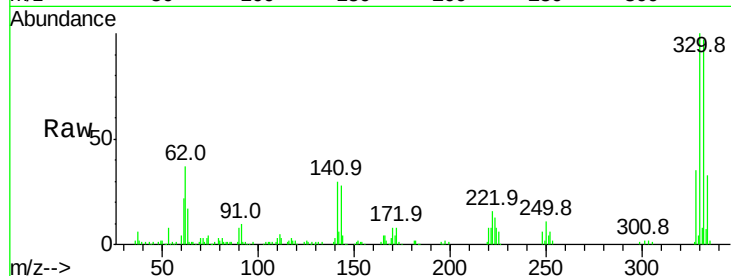




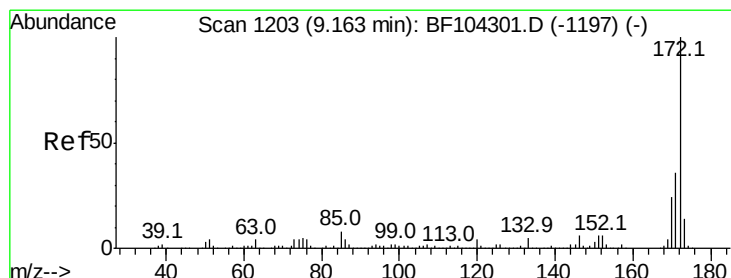
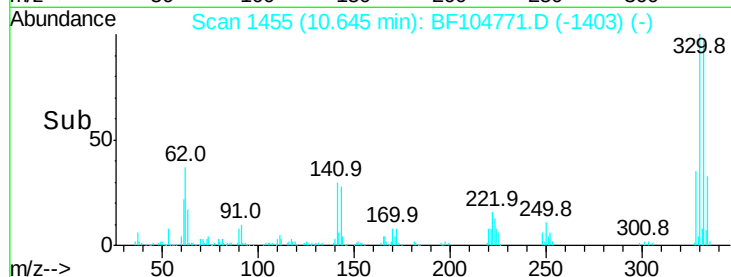
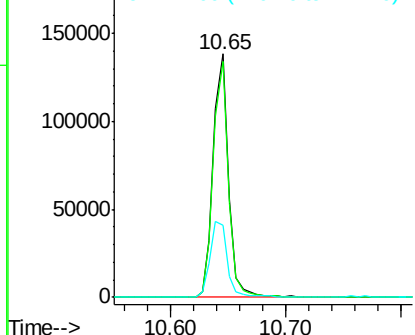
#41
 2,4,6-Tribromophenol
 Concen: 70.369 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104771.D
 Acq: 24 Apr 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	35.9	29.9	44.9

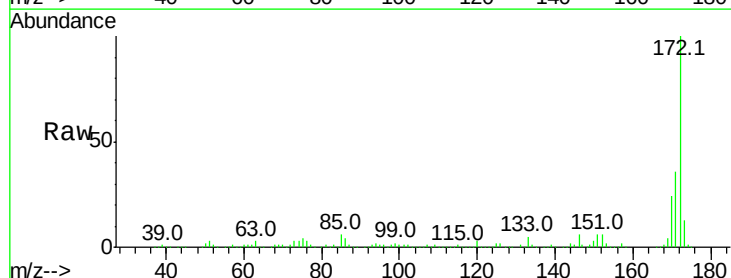


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

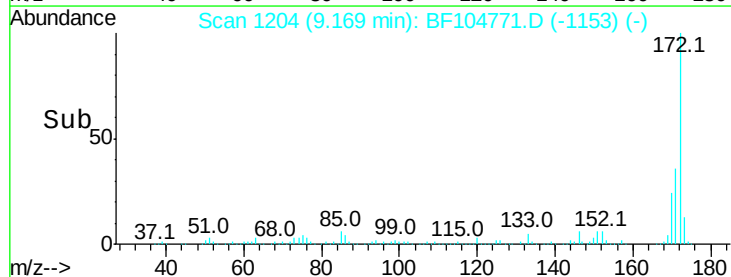
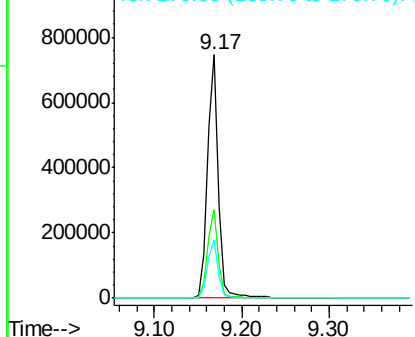


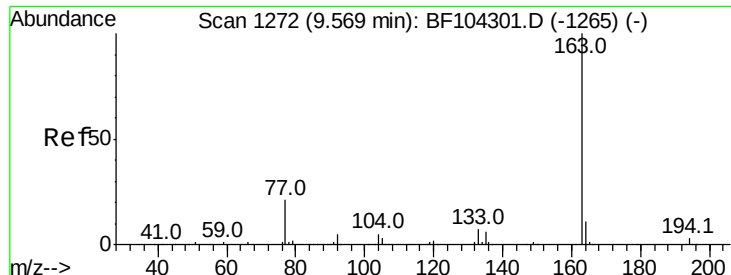
#44
 2-Fluorobiphenyl
 Concen: 58.148 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104771.D
 Acq: 24 Apr 2018 21:55

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

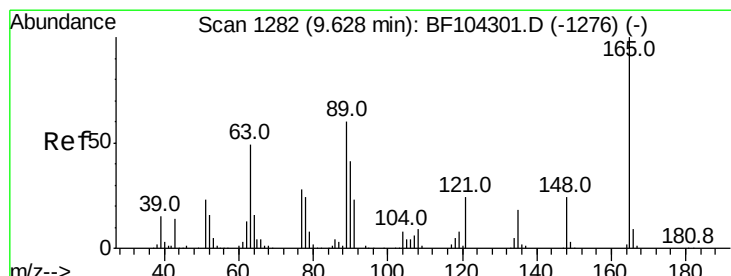
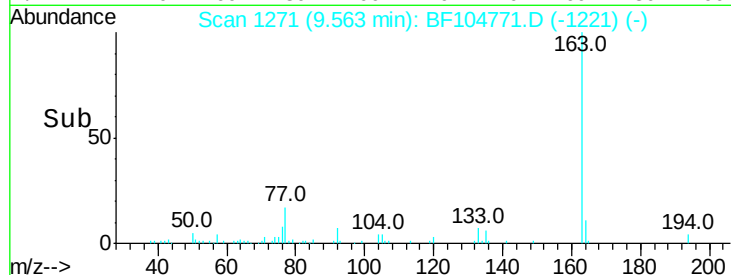
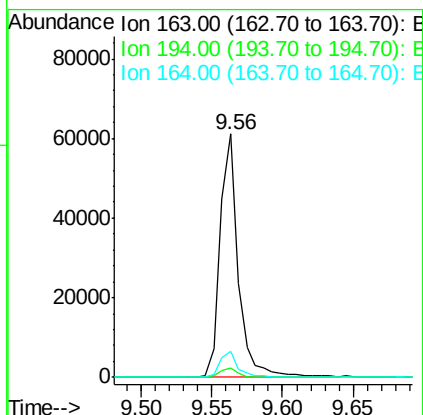
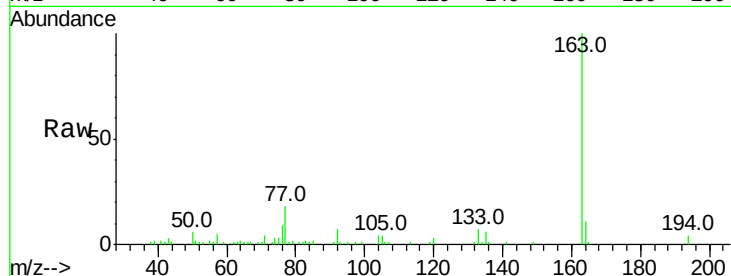




#49
Dimethylphthalate
Concen: 3.956 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

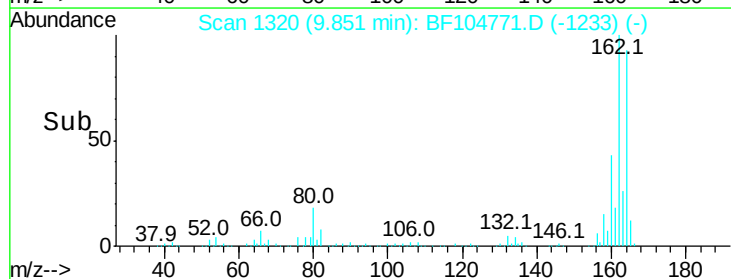
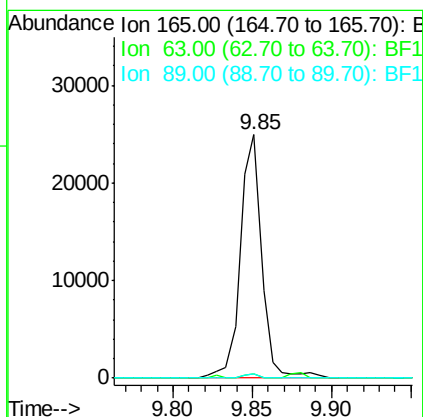
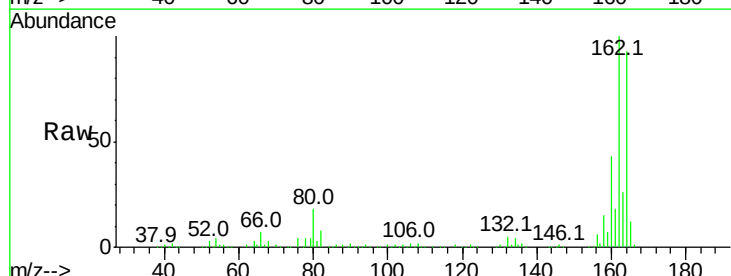
Instrument :
BNA_F
ClientSampleId :

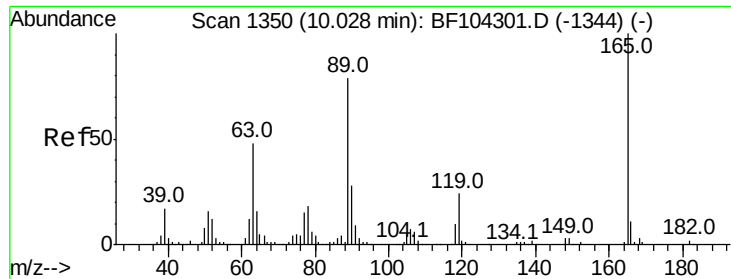
Tot Ion:163 Resp: 54808
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 9.080 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:165 Resp: 23276
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.6 44.0 66.0#

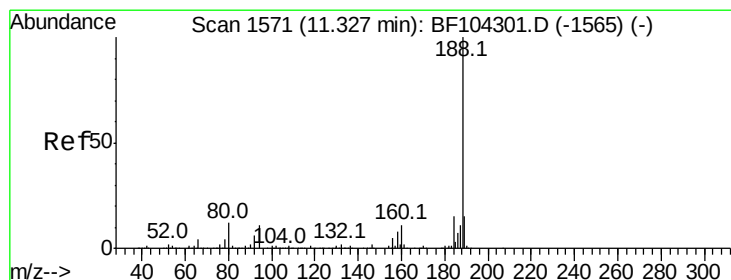
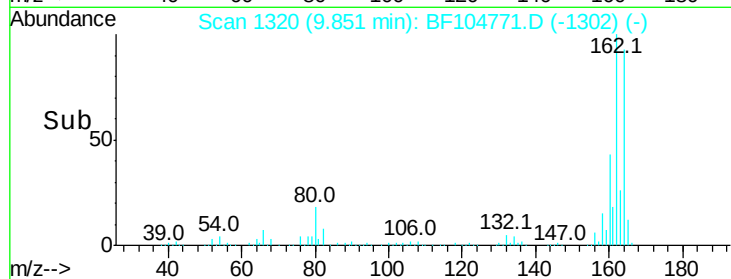
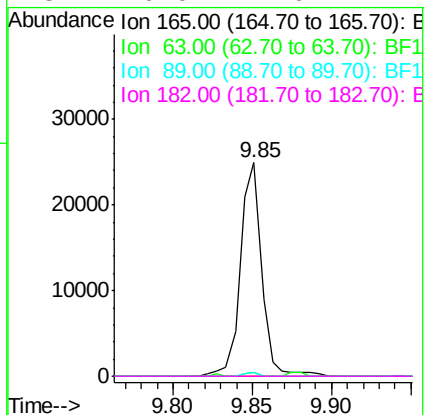
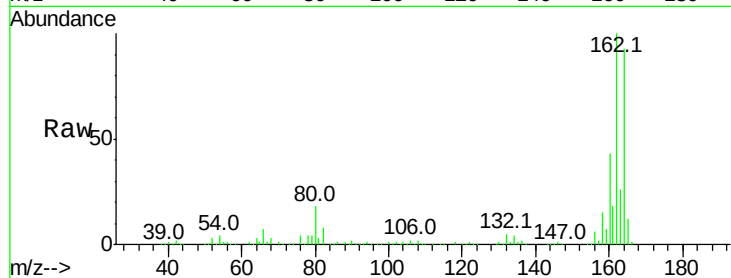




#56
2,4-Dinitrotoluene
Concen: 6.922 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

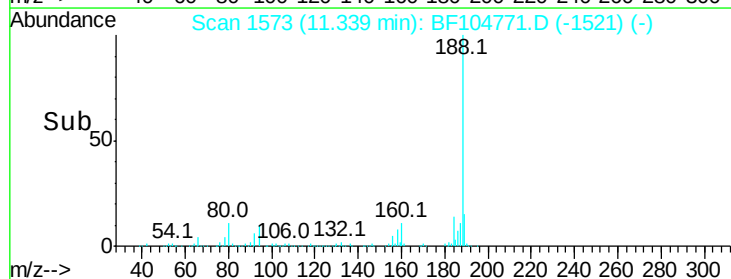
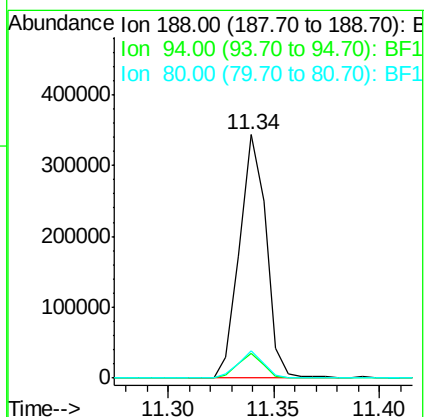
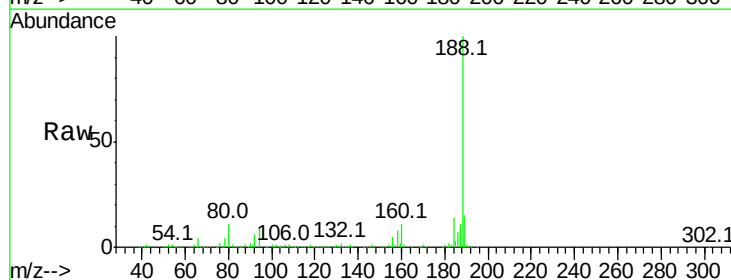
Instrument :
BNA_F
ClientSampleId :

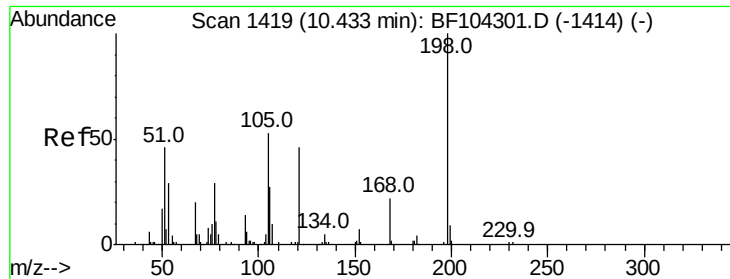
Tot Ion:165	Resp:	23276
Ion Ratio	Lower	Upper
165 100		
63 1.5	36.4	54.6#
89 1.6	57.8	86.6#
182 0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:188	Resp:	301912
Ion Ratio	Lower	Upper
188 100		
94 10.4	8.5	12.7
80 11.0	9.2	13.8

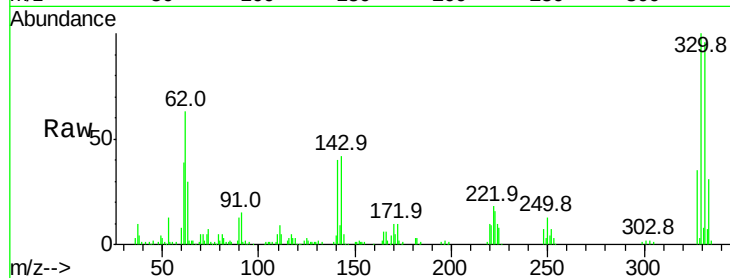




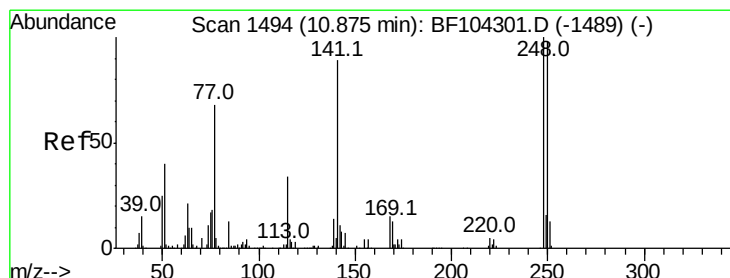
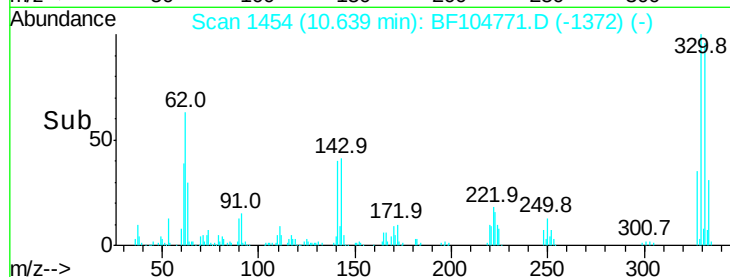
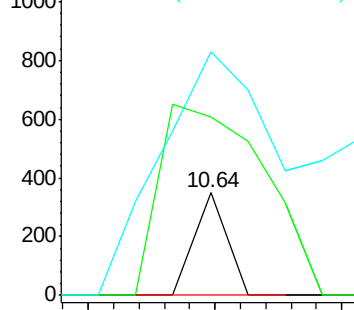
#64
4,6-Dinitro-2-methylphenol
Concen: 7.418 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 123
Ion Ratio Lower Upper
198 100
51 174.4 37.7 77.7#
105 238.2 36.3 76.3#

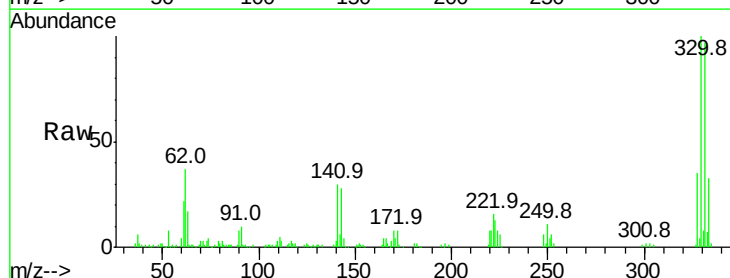


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

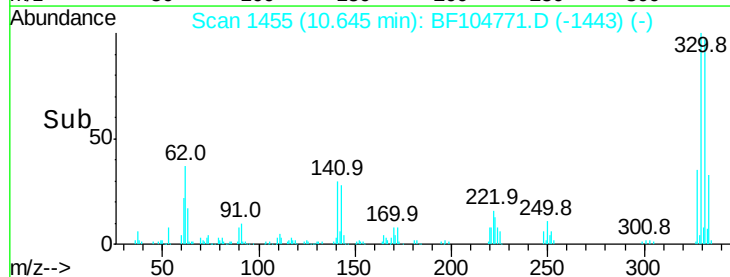
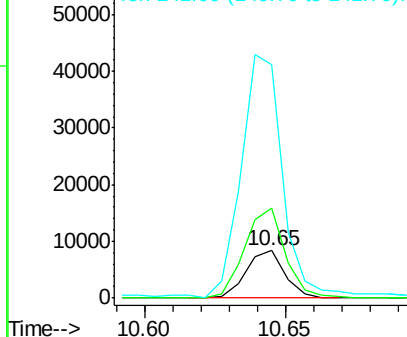


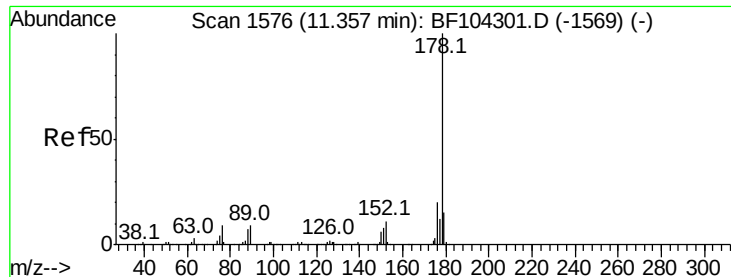
#66
4-Bromophenyl-phenylether
Concen: 2.485 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:248 Resp: 7980
Ion Ratio Lower Upper
248 100
250 188.0 76.9 115.3#
141 490.4 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: 7.866 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

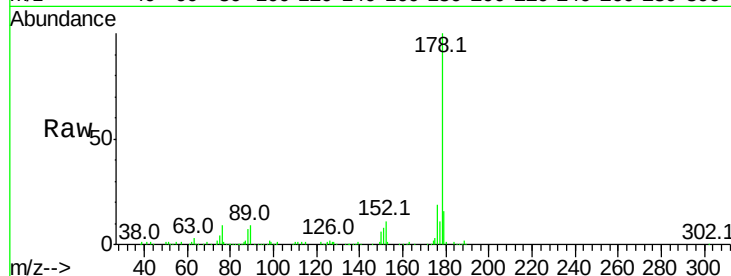
Tot Ion:178 Resp: 132252

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

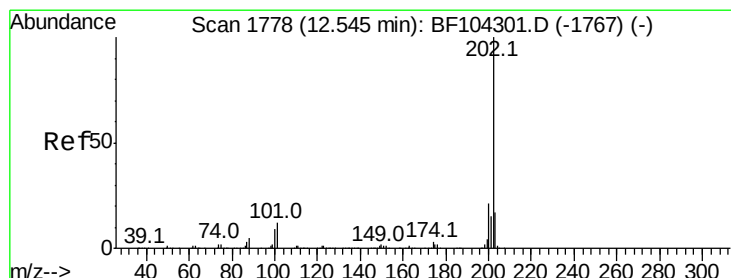
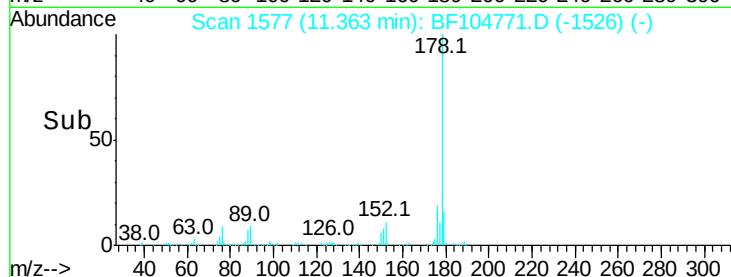
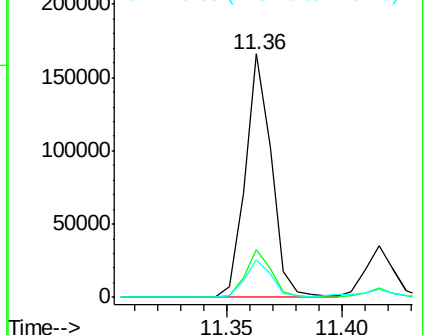
179 15.6 13.0 19.6



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: 12.580 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

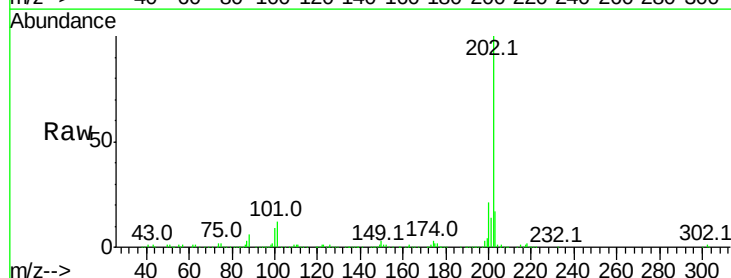
Tgt Ion:202 Resp: 220981

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

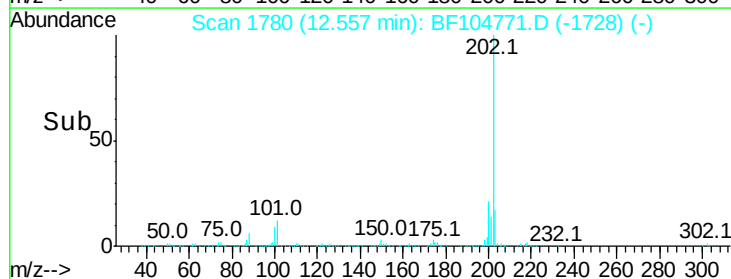
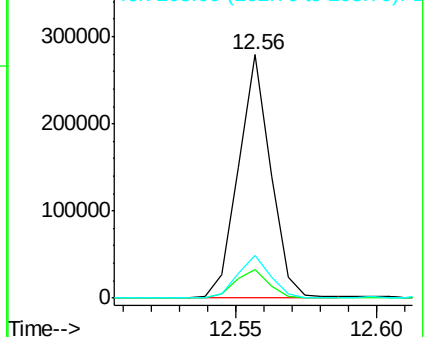
203 17.4 0.0 38.1

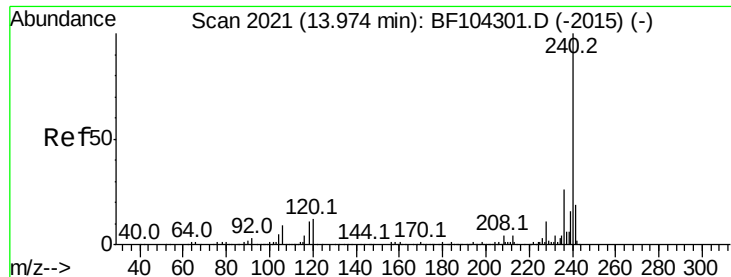


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

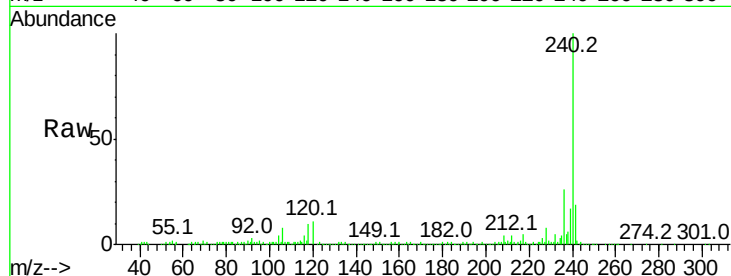
Tot Ion:240 Resp: 216787

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

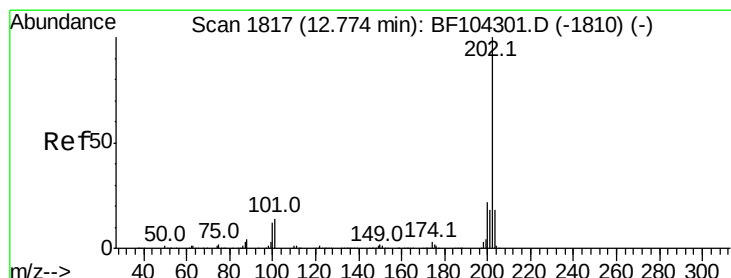
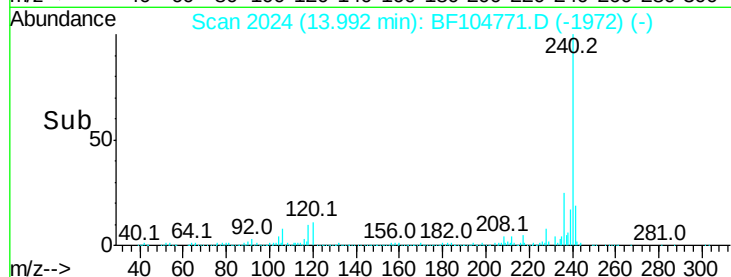
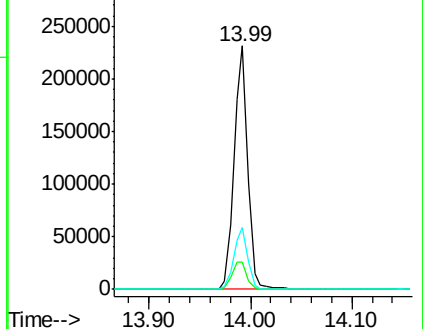
236 25.6 20.7 31.1



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: 12.958 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

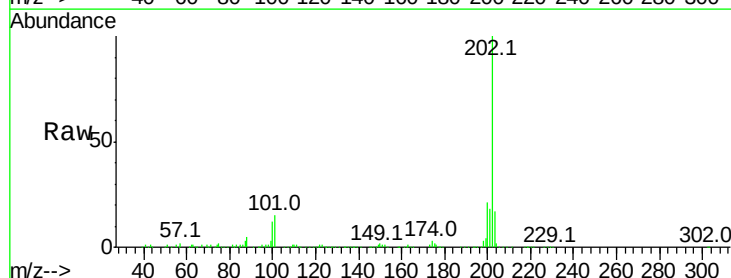
Tgt Ion:202 Resp: 208223

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

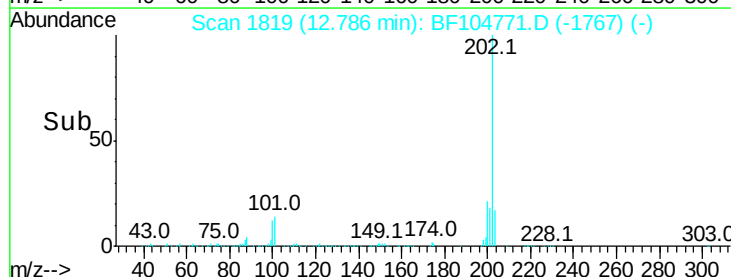
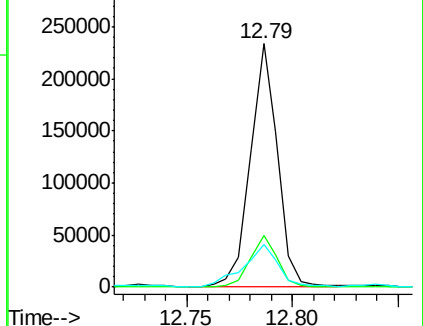
203 17.4 14.3 21.5

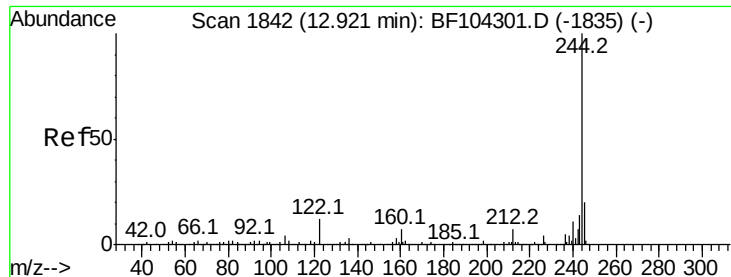


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.949 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

Instrument :

BNA_F

ClientSampleId :

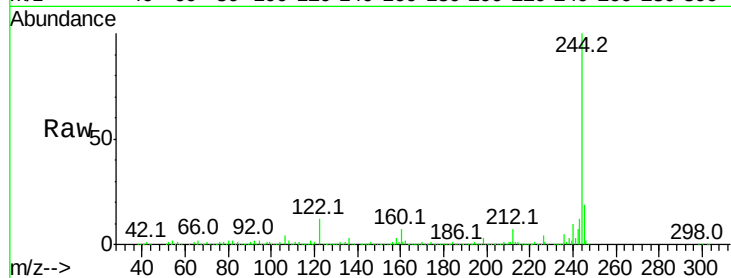
Tot Ion:244 Resp: 551031

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

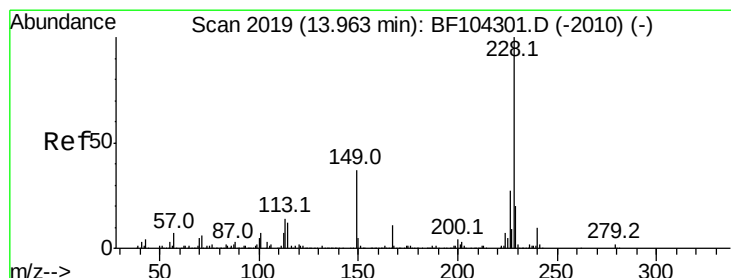
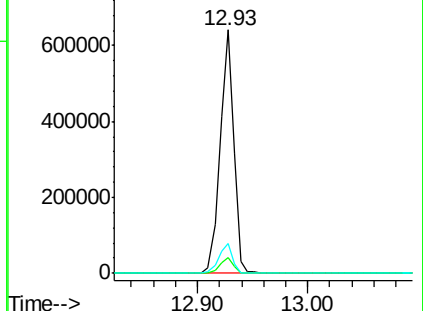
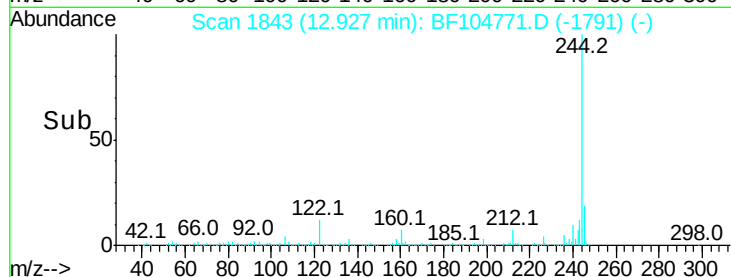
122 12.1 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.734 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF104771.D

Acq: 24 Apr 2018 21:55

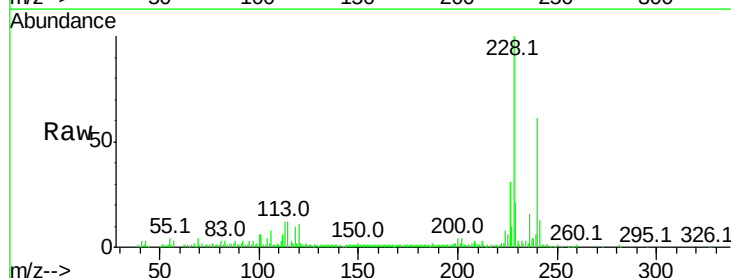
Tgt Ion:228 Resp: 100168

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

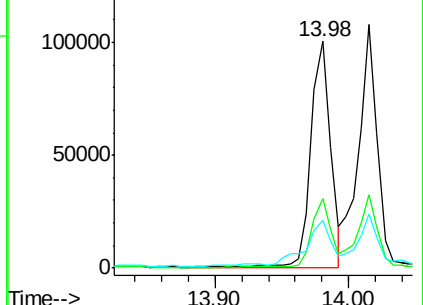
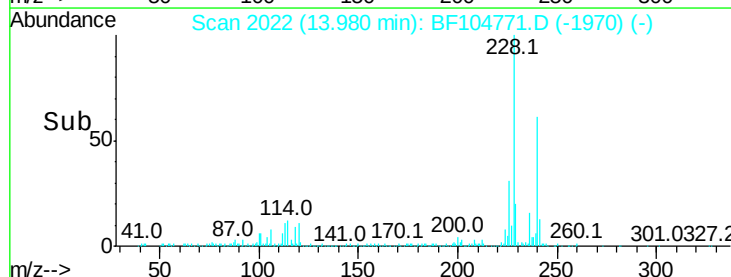
229 20.9 15.8 23.6

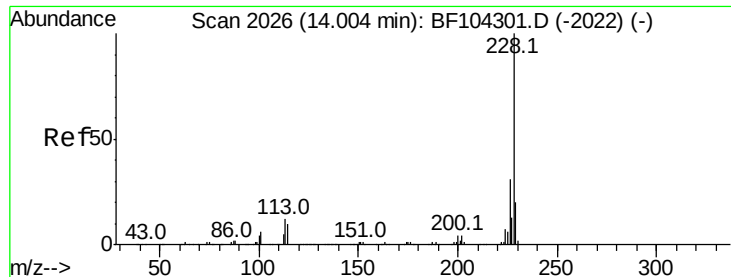


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

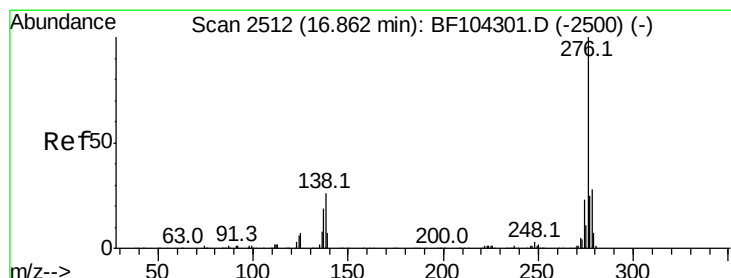
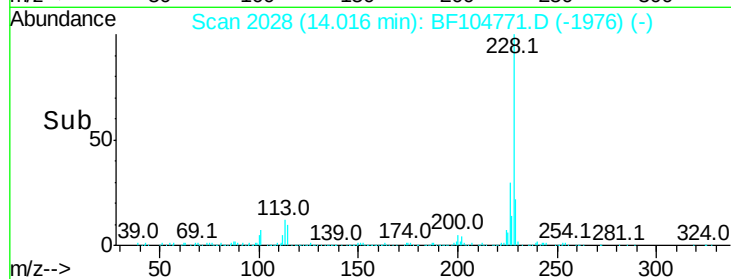
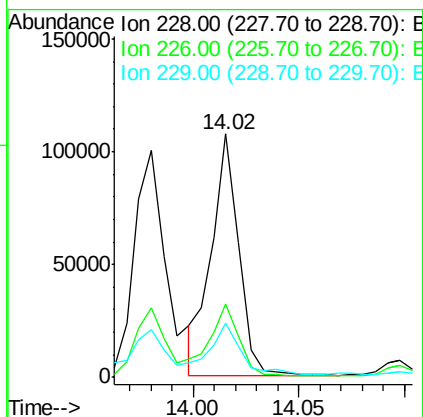
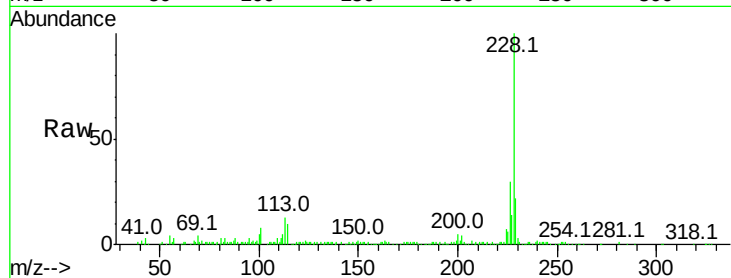




#82
Chrysene
Concen: 7.390 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

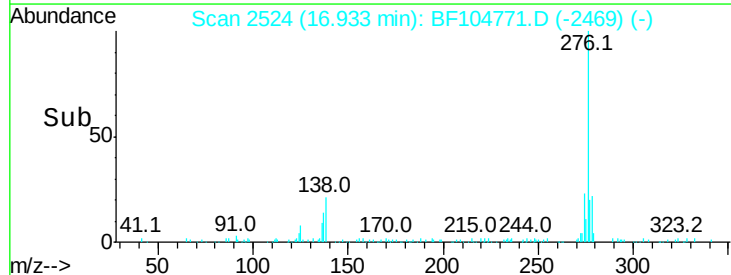
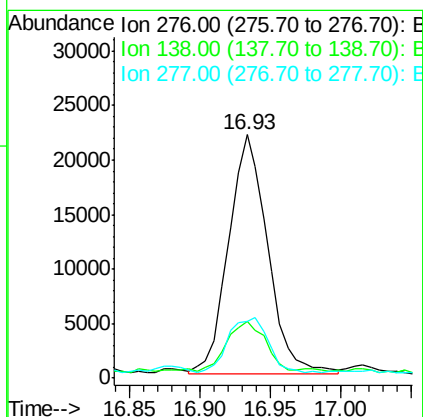
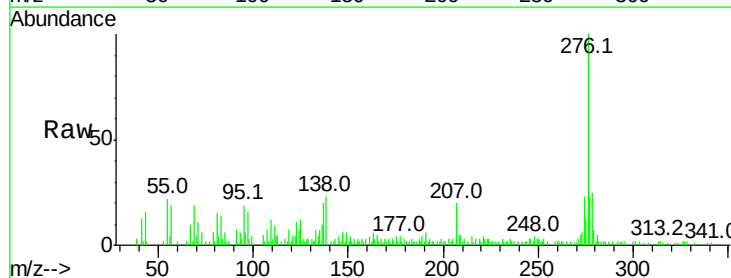
Instrument :
BNA_F
ClientSampleId :

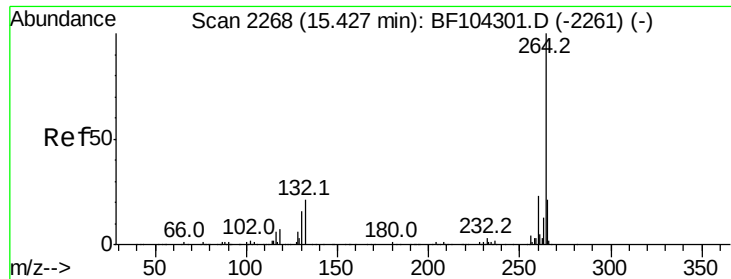
Tot Ion:228 Resp: 98304
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.5 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.747 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:276 Resp: 42340
Ion Ratio Lower Upper
276 100
138 20.5 25.0 37.6#
277 23.8 20.1 30.1

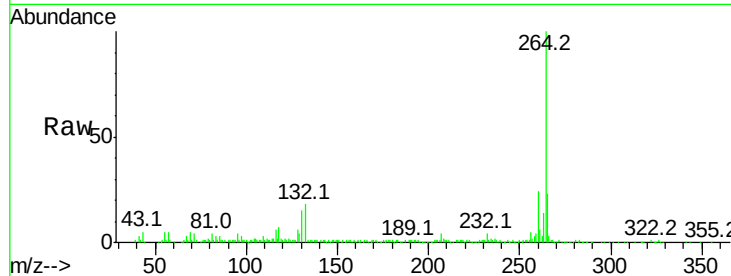




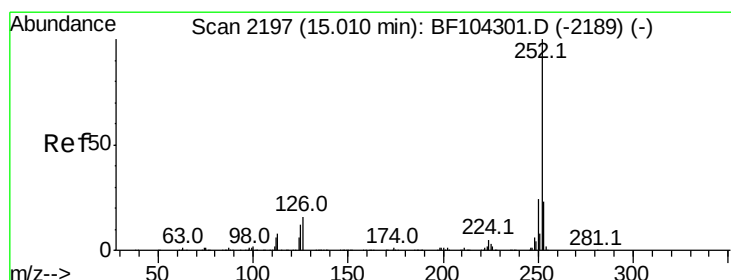
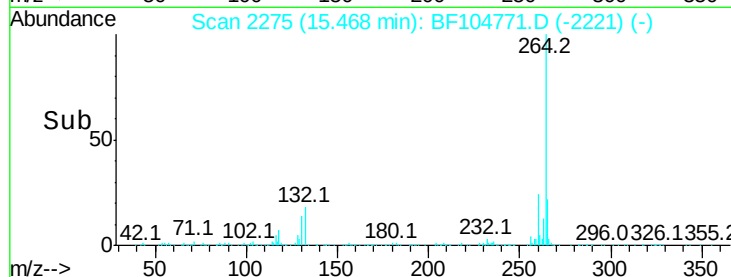
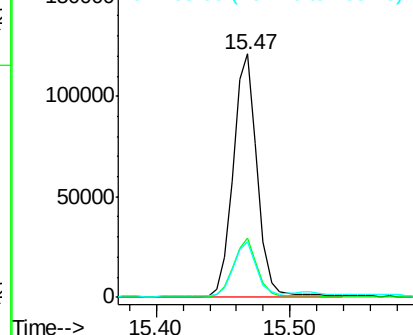
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 154268
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 22.7 17.5 26.3

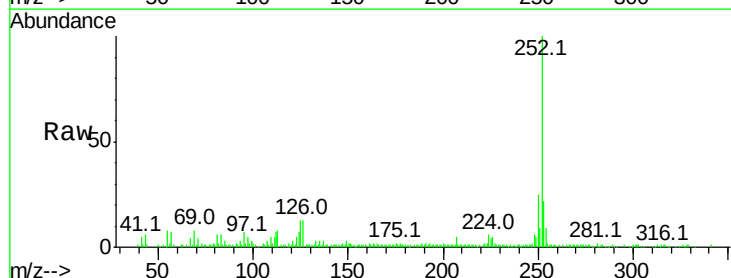


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

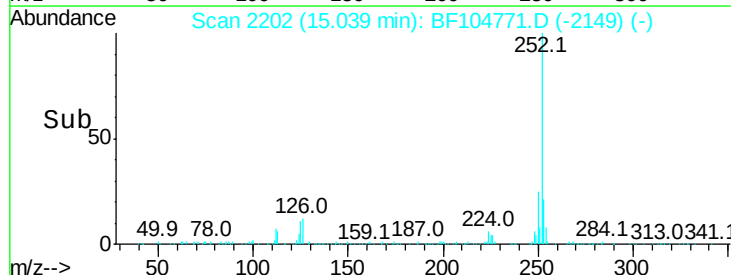
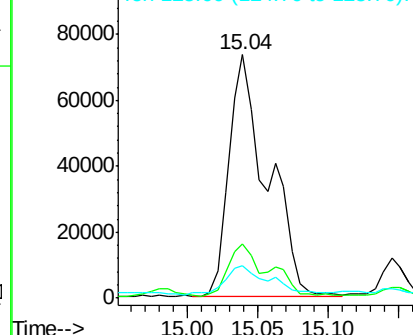


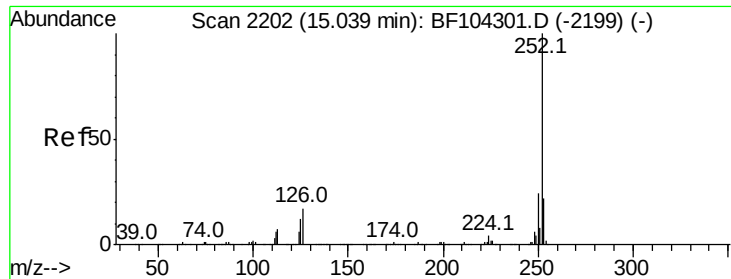
#87
Benzo(b)fluoranthene
Concen: 14.253 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion:252 Resp: 138874
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 13.4 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

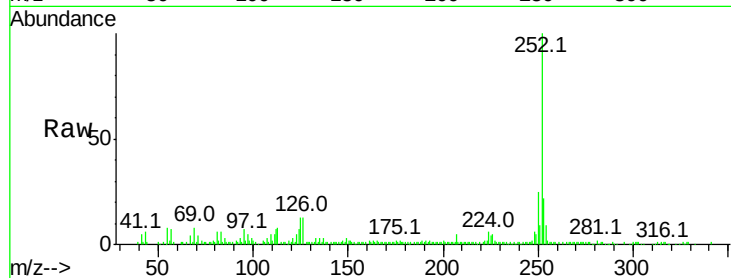




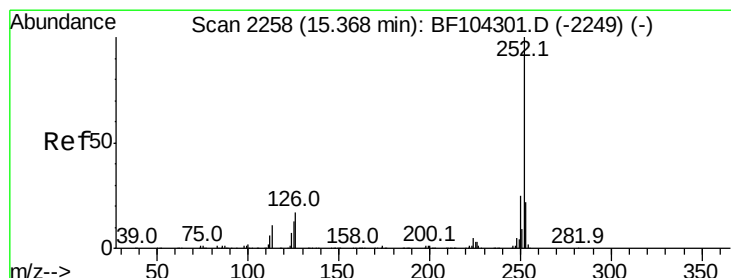
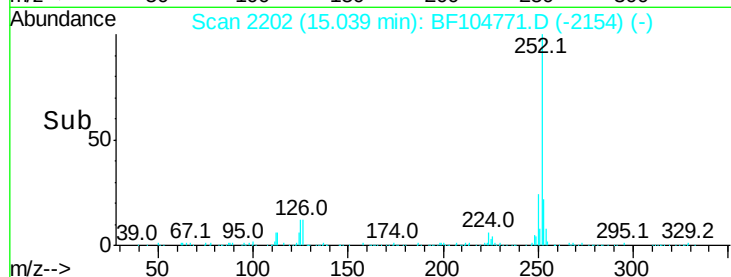
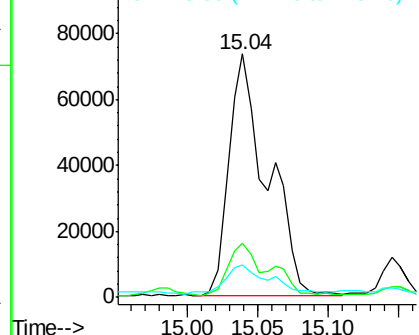
#88
Benzo(k)fluoranthene
Concen: 15.097 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	13.4	10.2	15.2

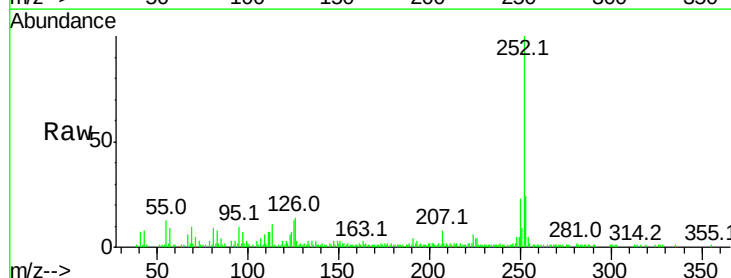


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

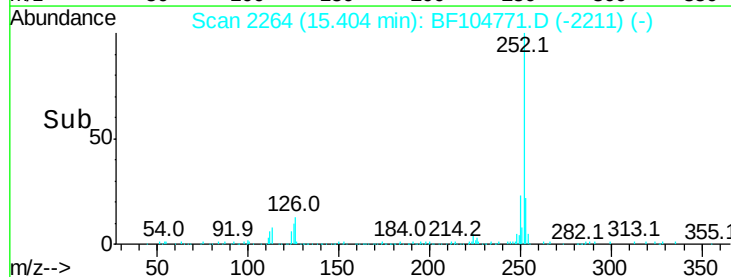
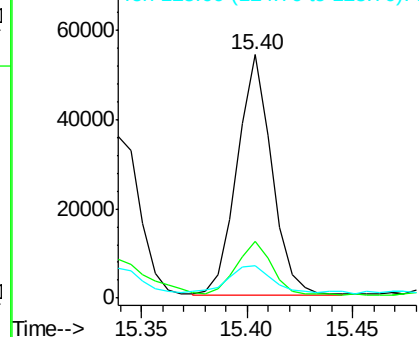


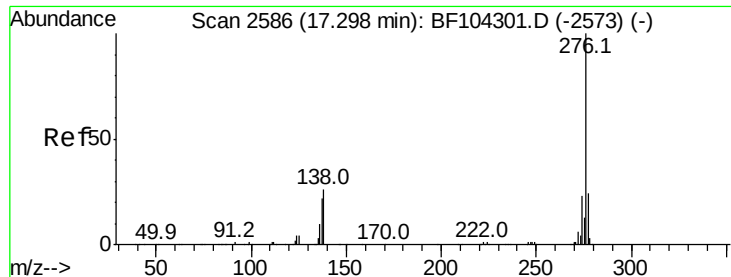
#89
Benzo(a)pyrene
Concen: 7.059 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104771.D
Acq: 24 Apr 2018 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.2	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: 6.005 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.03 min
 Lab File: BF104771.D
 Acq: 24 Apr 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	25.0	21.8	32.8

