

Data Path : U:\HPCHEM1\BNA F\DATA\BF012018\
 Data File : BF102271.D
 Acq On : 20 Jan 2018 17:41
 Operator : SJ/JU
 Sample : J1228-26
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 22 01:23:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154493	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	625974	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	260336	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	380653	20.00	ng	0.00
75) Chrysene-d12	13.87	240	288839	20.00	ng	0.00
86) Perylene-d12	15.30	264	244381	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1014219	92.70	ng	0.00
7) Phenol-d6	6.36	99	1194757	91.53	ng	0.00
23) Nitrobenzene-d5	7.29	82	739507	69.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	214364	94.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1224259	73.47	ng	0.00
78) Terphenyl-d14	12.83	244	841865	60.52	ng	0.00

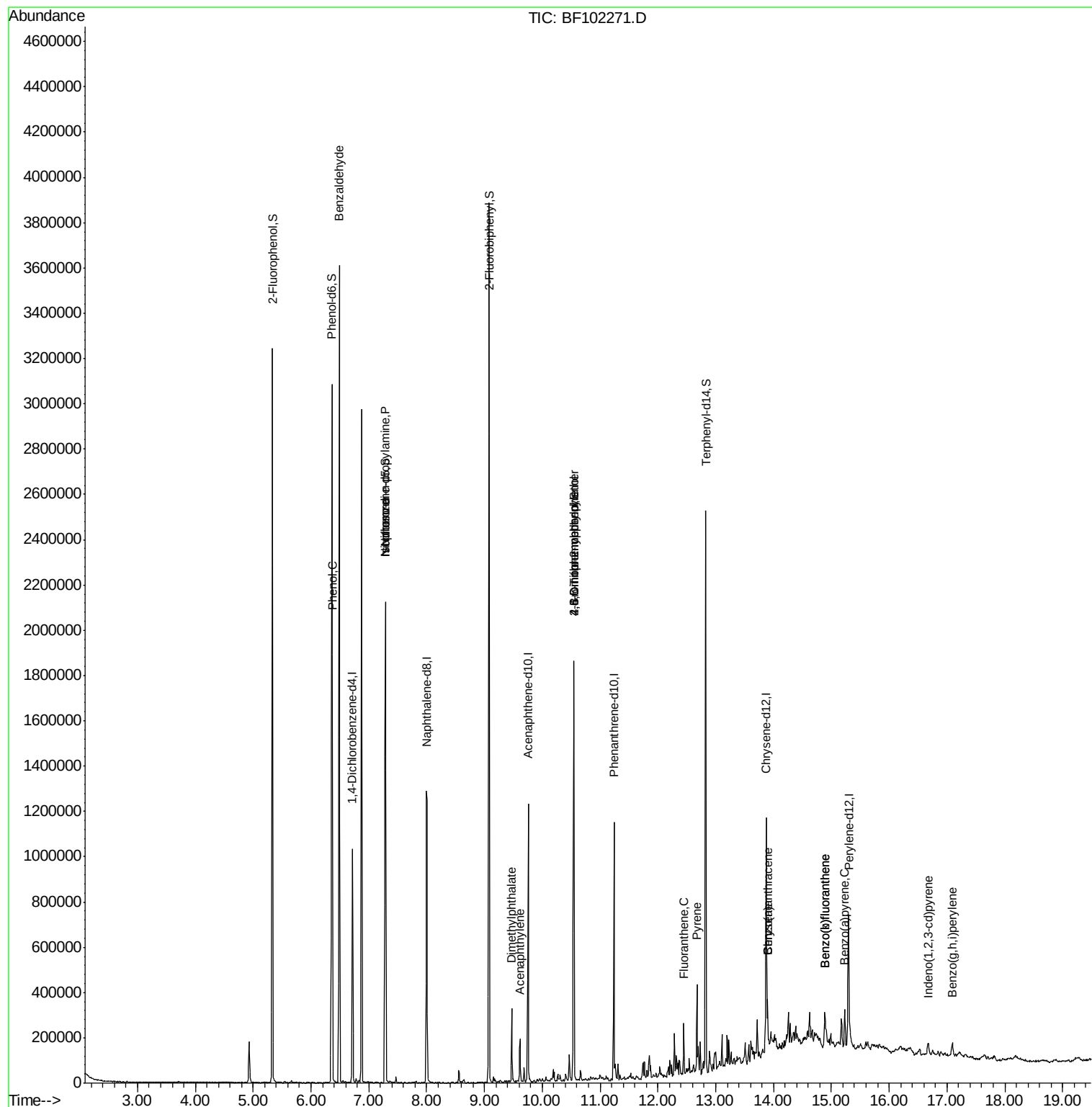
Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	21173	2.336	ng	84
10) Phenol	6.37	94	57507	3.898	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	96778	11.313	ng	# 78
25) Isophorone	7.29	82	736307	34.982	ng	# 64
48) Acenaphthylene	9.62	152	83029	2.932	ng	99
49) Dimethylphthalate	9.47	163	118418	5.670	ng	99
64) 4,6-Dinitro-2-methylphenol	10.55	198	458	5.858	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	13539	3.368	ng	# 1
74) Fluoranthene	12.45	202	75332	3.444	ng	100
77) Pyrene	12.67	202	143756	5.631	ng	98
80) Benzo(a)anthracene	13.90	228	77236	4.191	ng	95
82) Chrysene	13.90	228	77236	4.019	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	32430	2.319	ng	95
87) Benzo(b)fluoranthene	14.89	252	100950	6.335	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	100950	6.567	ng	98
89) Benzo(a)pyrene	15.23	252	64660	4.509	ng	# 93
91) Benzo(a,h,i)perylene	17.09	276	42663	3.701	ng	# 91

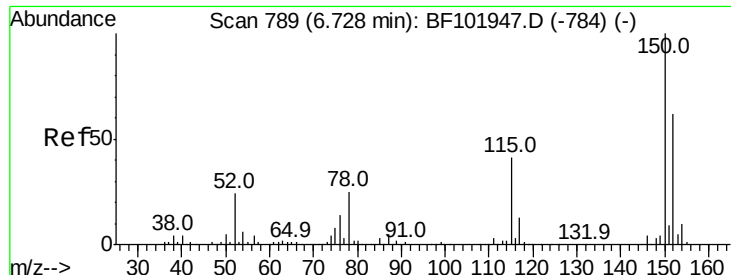
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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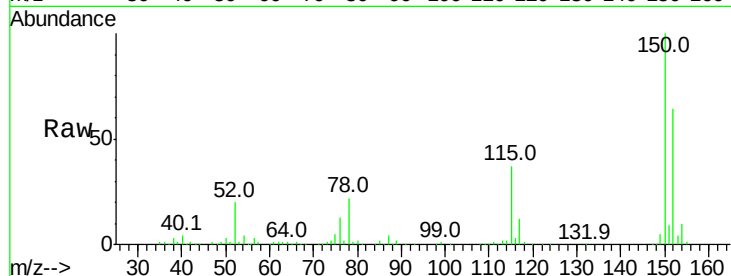


#1

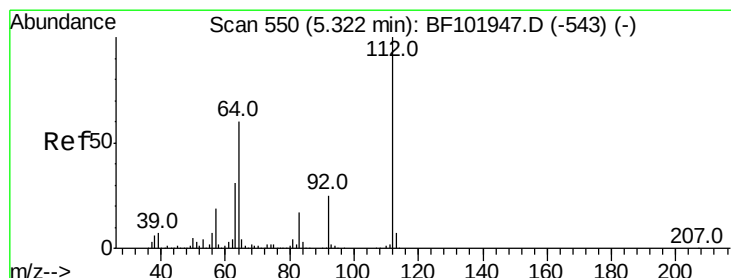
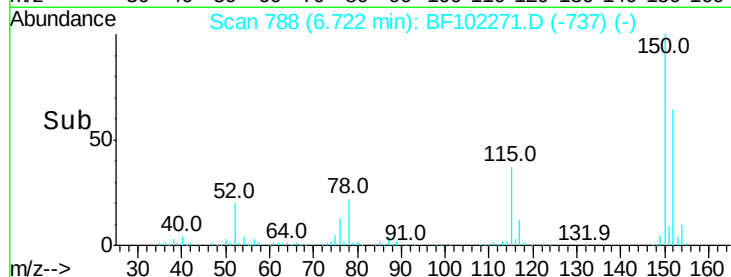
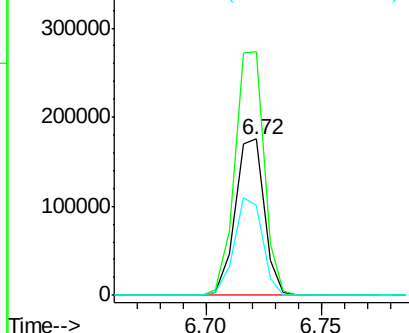
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154493
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 57.9 50.1 75.1



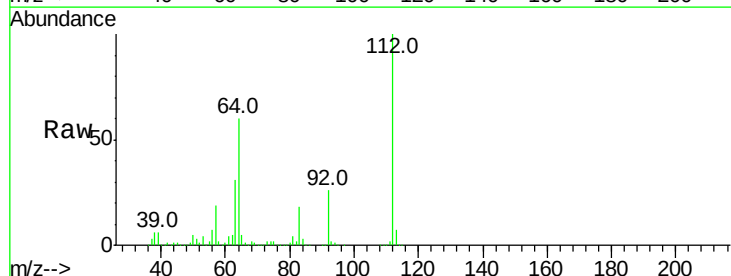
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



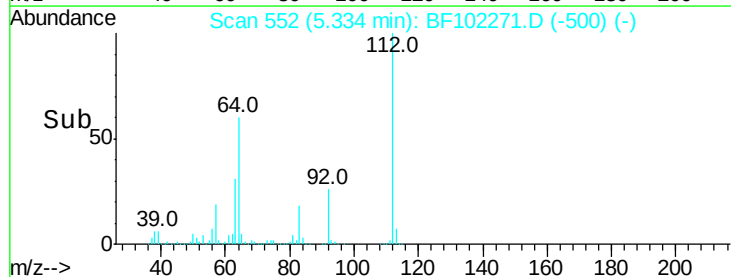
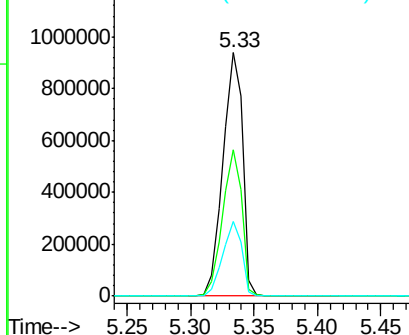
#5

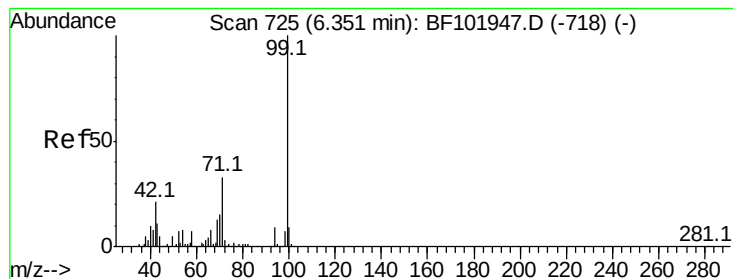
2-Fluorophenol
Concen: 92.701 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Tgt Ion:112 Resp: 1014219
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 30.7 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: 91.528 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampled :

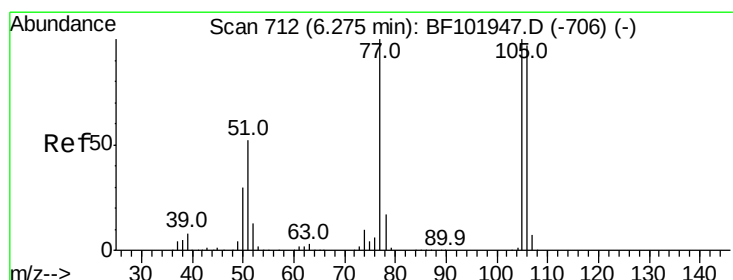
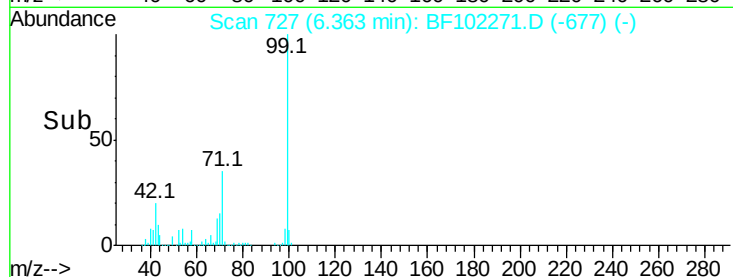
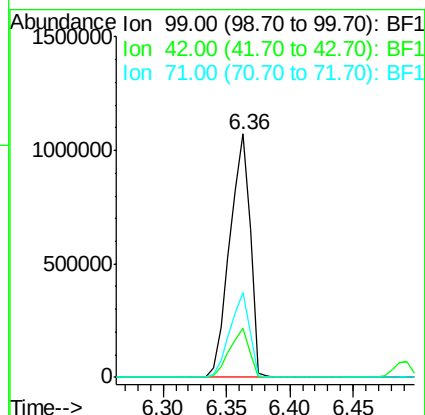
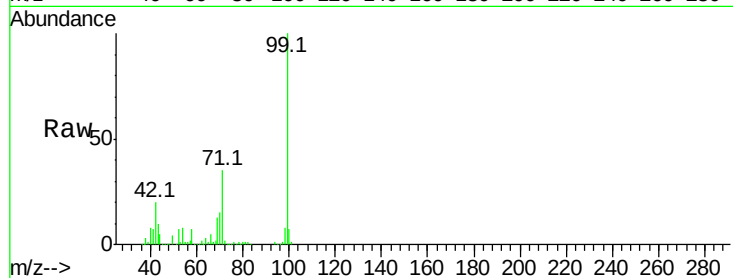
Tot Ion: 99 Resp: 1194757

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 34.7 25.4 38.0



#9

Benzaldehyde

Concen: 2.336 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

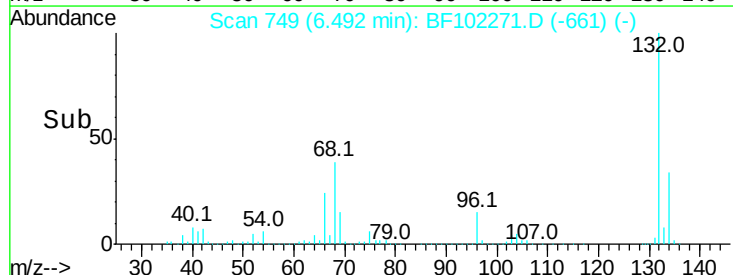
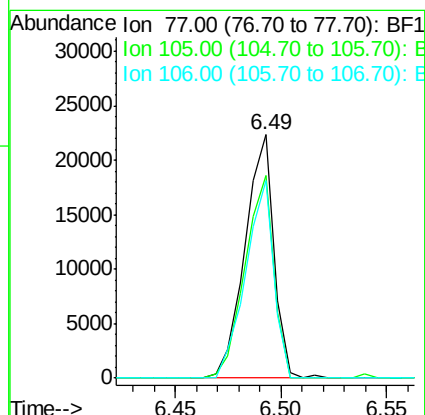
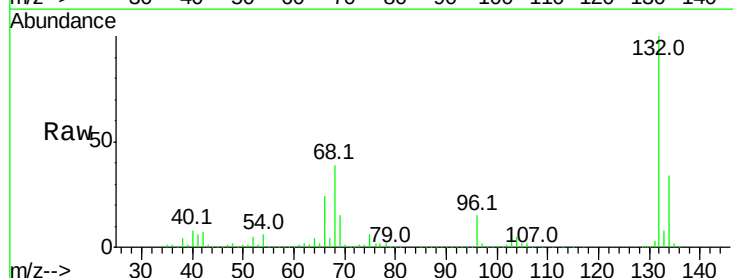
Tgt Ion: 77 Resp: 21173

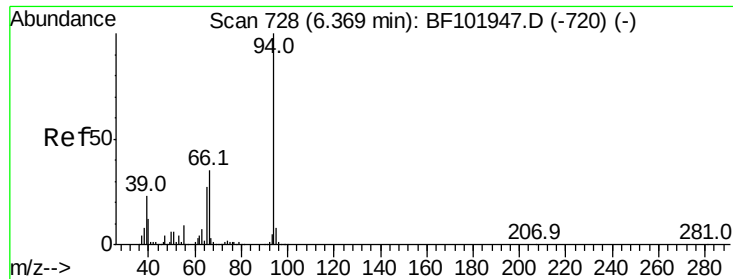
Ion Ratio Lower Upper

77 100

105 83.2 81.1 121.1

106 81.2 74.5 114.5





#10

Phenol

Concen: 3.898 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

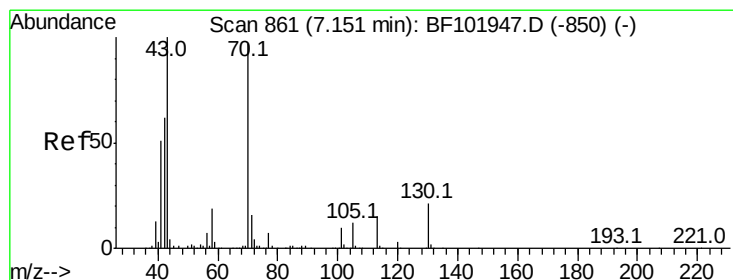
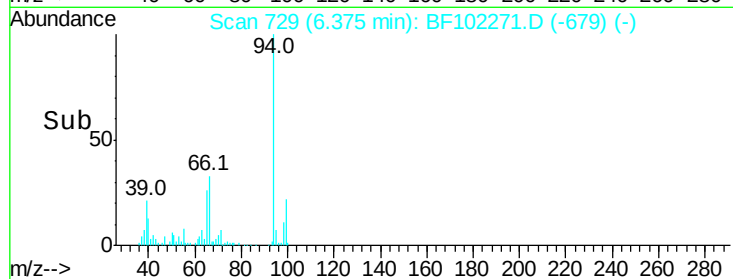
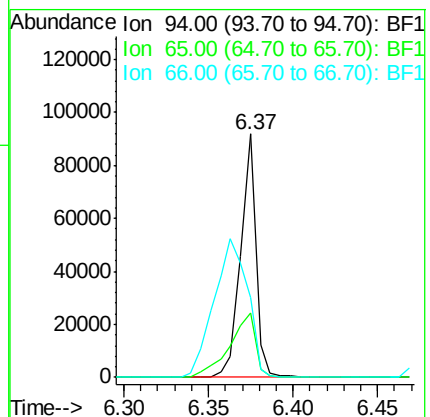
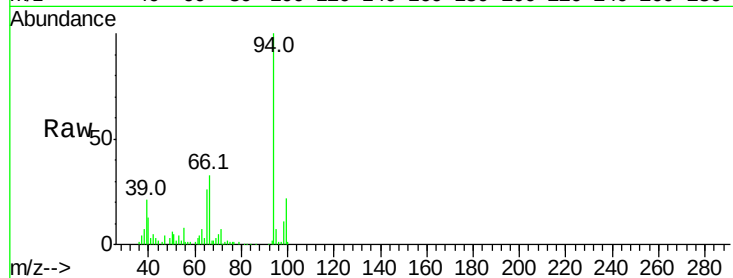
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 57507

Ion	Ratio	Lower	Upper
94	100		
65	26.2	7.9	47.9
66	32.8	16.2	56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.313 ng

RT: 7.29 min Scan# 884

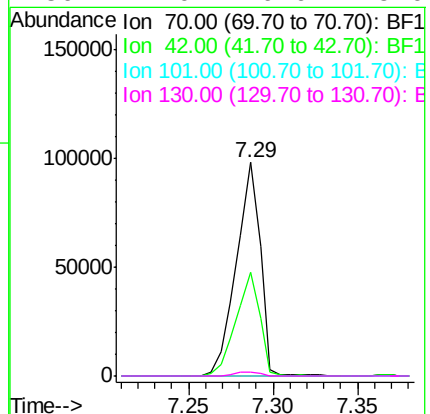
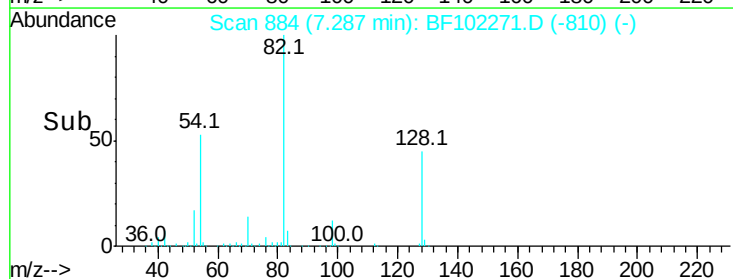
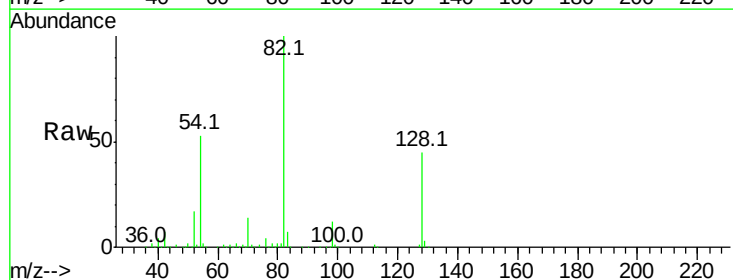
Delta R.T. 0.14 min

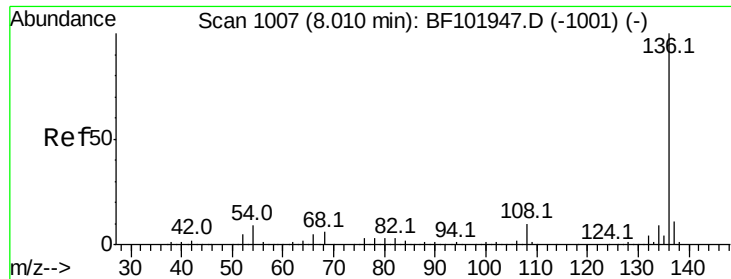
Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Tgt Ion: 70 Resp: 96778

Ion	Ratio	Lower	Upper
70	100		
42	48.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

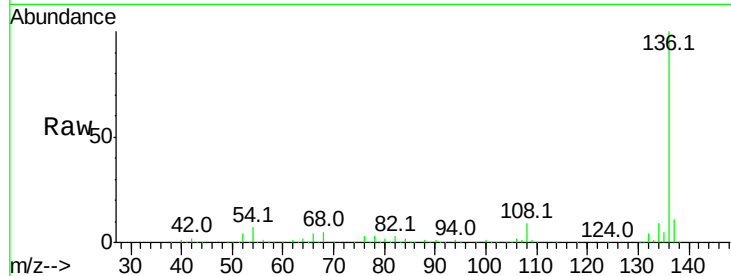




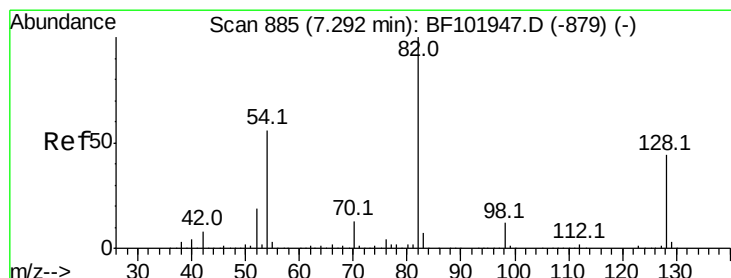
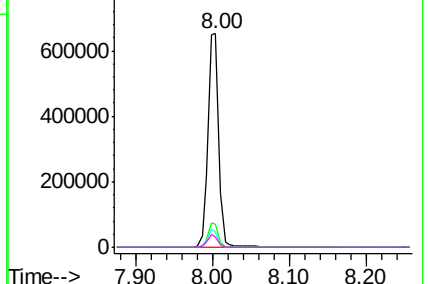
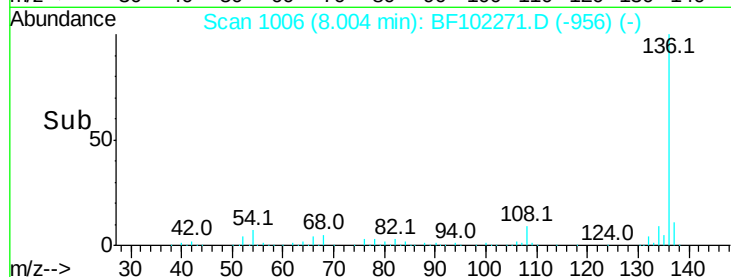
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	625974
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.1	6.6	9.8
68	4.8	5.0	7.4#

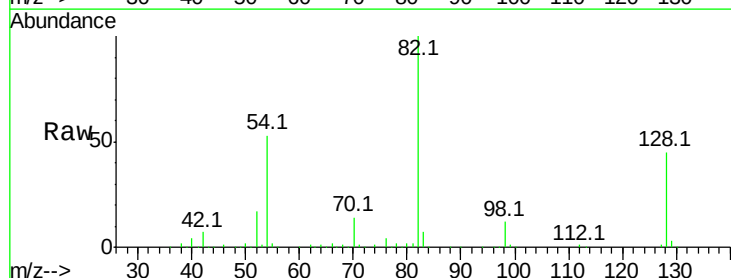


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

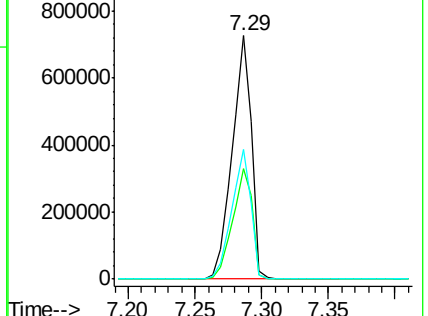
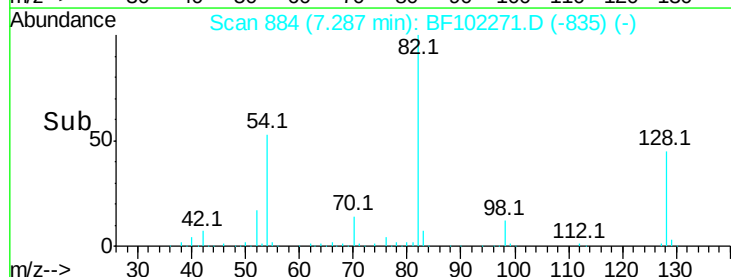


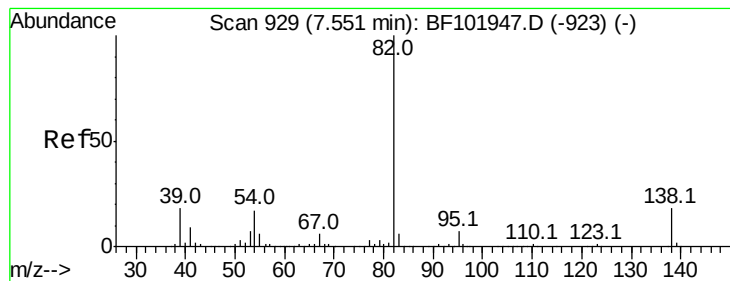
#23
Nitrobenzene-d5
Concen: 69.422 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Tgt Ion:	82	Resp:	739507
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	53.2	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: 34.982 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

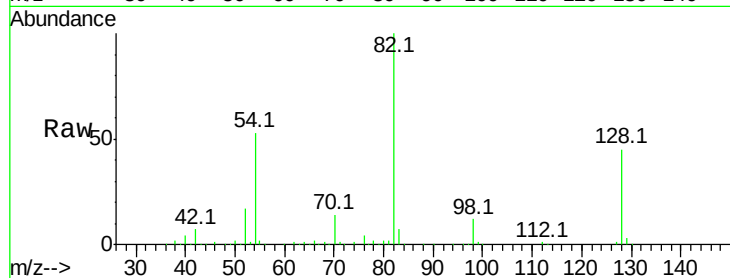
Tot Ion: 82 Resp: 736307

Ion Ratio Lower Upper

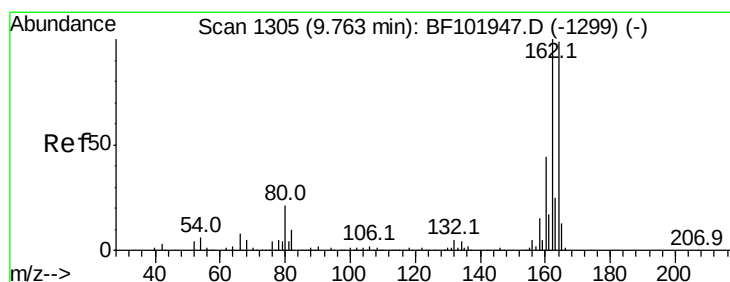
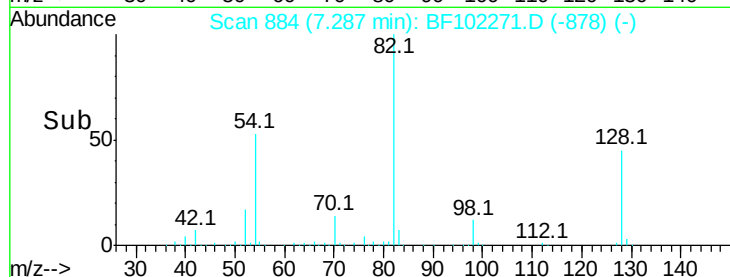
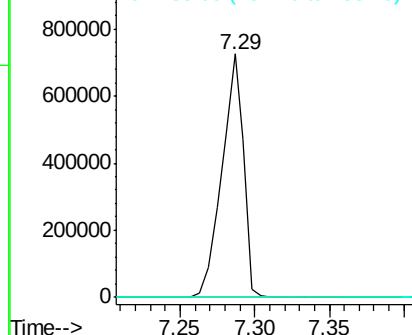
82 100

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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

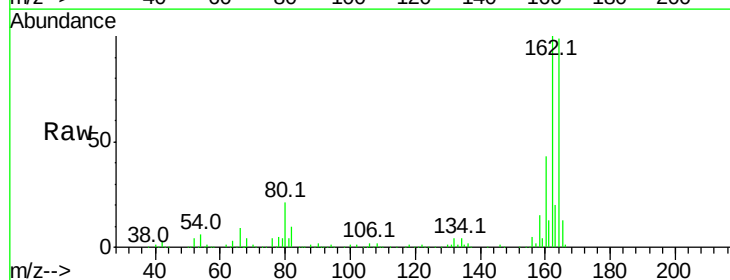
Tgt Ion:164 Resp: 260336

Ion Ratio Lower Upper

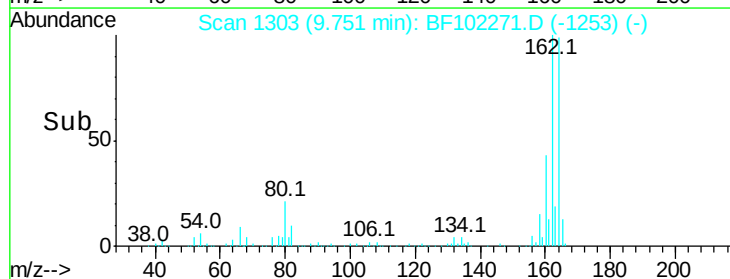
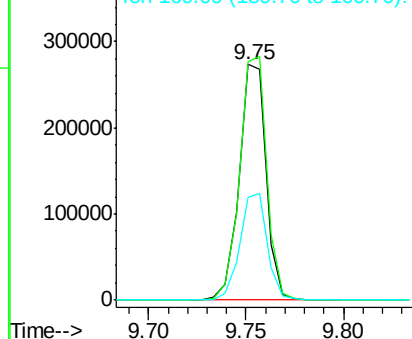
164 100

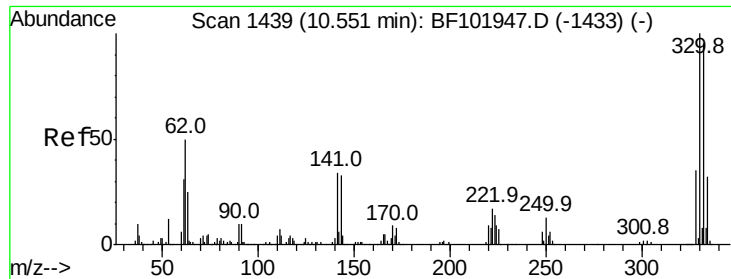
162 101.2 86.1 129.1

160 43.5 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

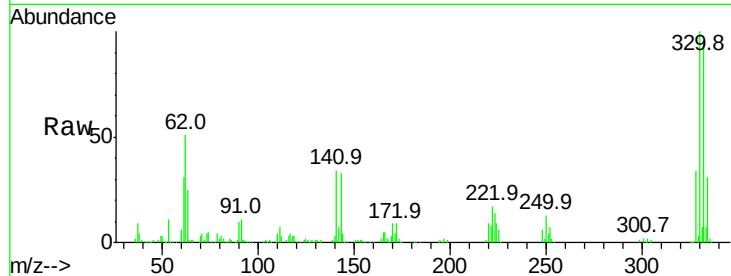




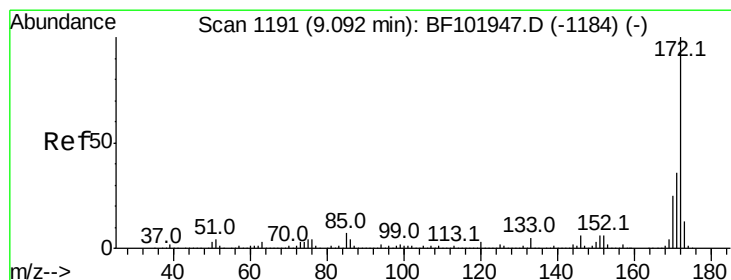
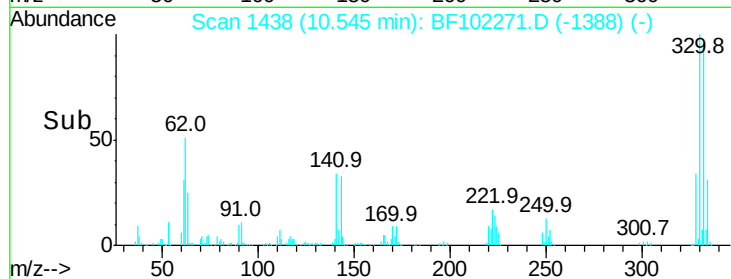
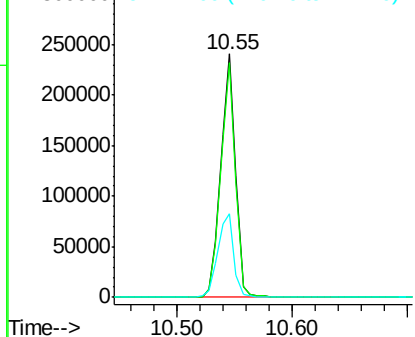
#41
 2,4,6-Tribromophenol
 Concen: 94.354 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 214364
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 37.3 29.9 44.9

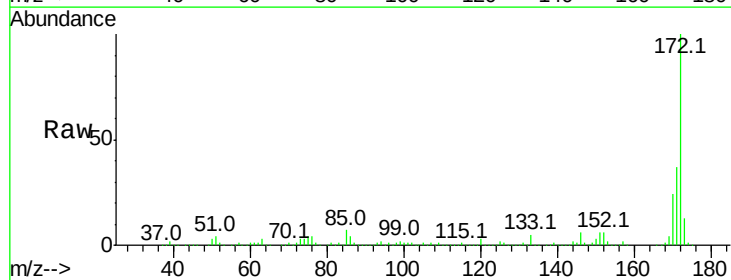


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

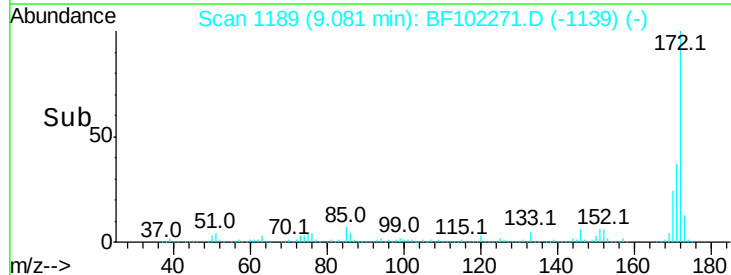
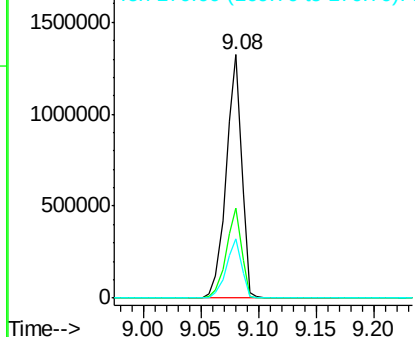


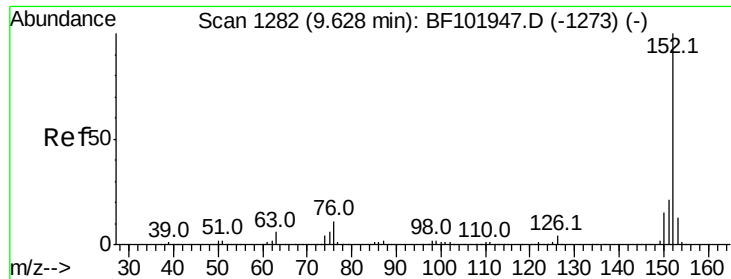
#44
 2-Fluorobiphenyl
 Concen: 73.468 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

Tgt Ion:172 Resp: 1224259
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.4 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.932 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

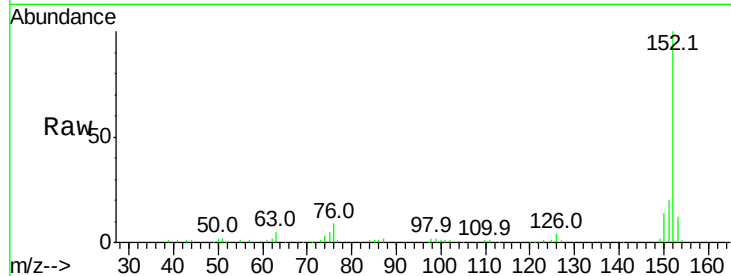
Tot Ion:152 Resp: 83029

Ion Ratio Lower Upper

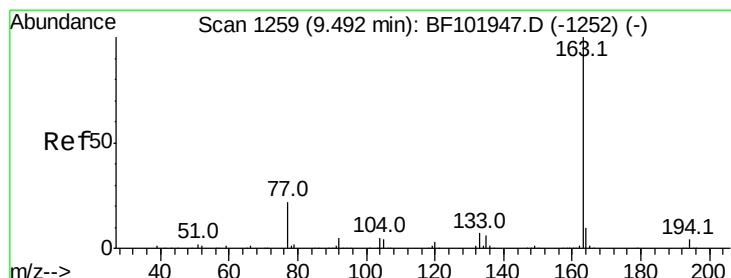
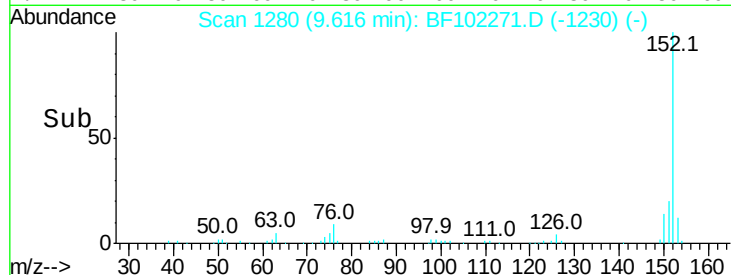
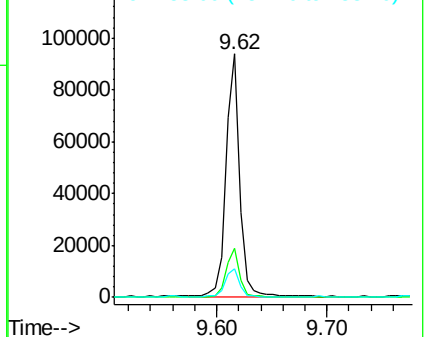
152 100

151 20.4 16.3 24.5

153 12.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.670 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

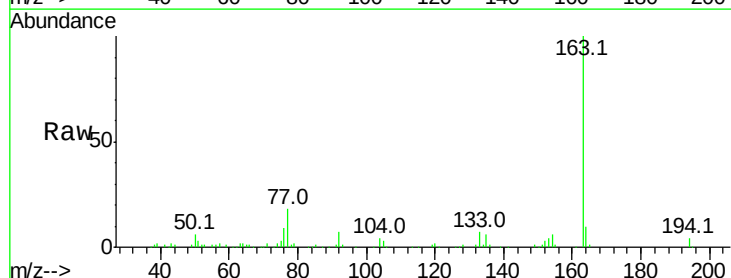
Tgt Ion:163 Resp: 118418

Ion Ratio Lower Upper

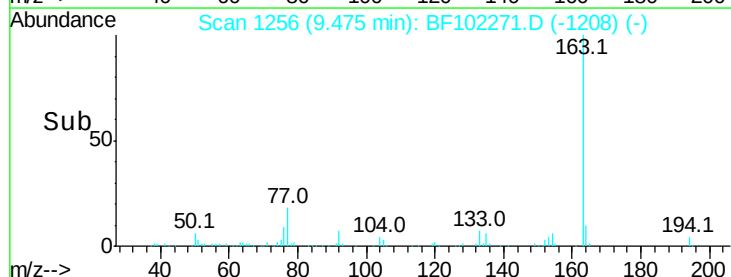
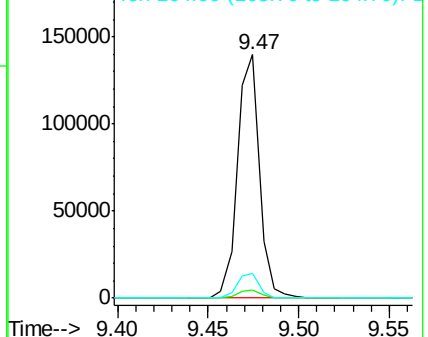
163 100

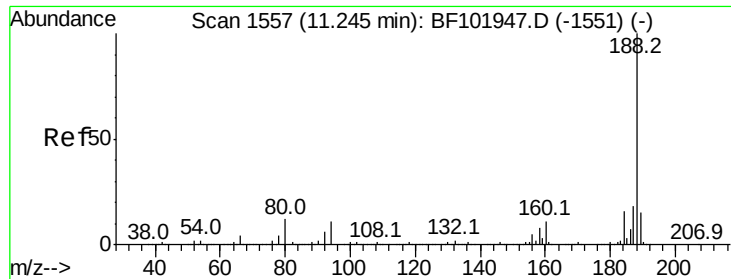
194 3.5 2.7 4.1

164 10.0 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

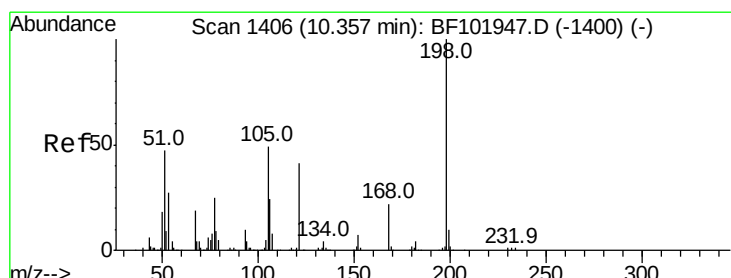
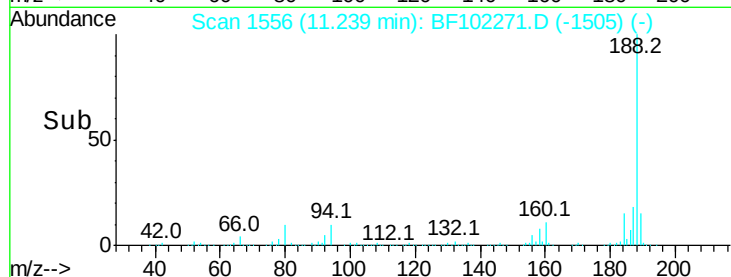
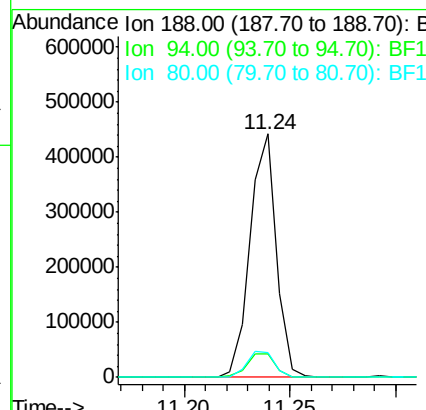
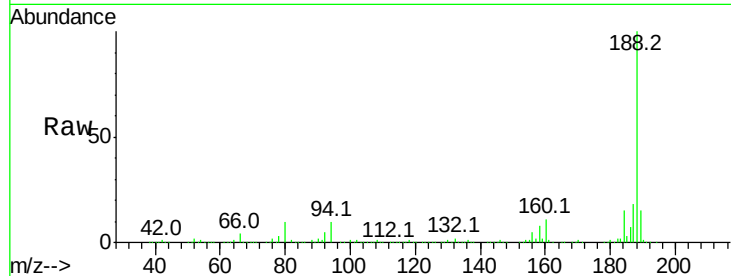




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

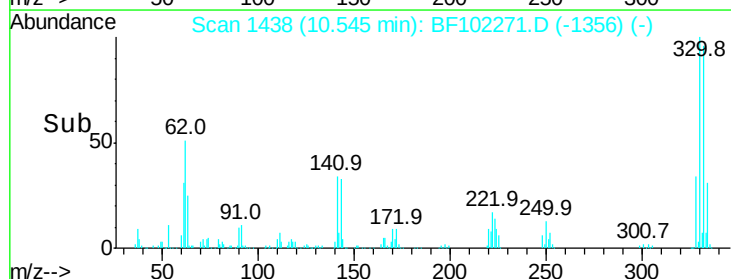
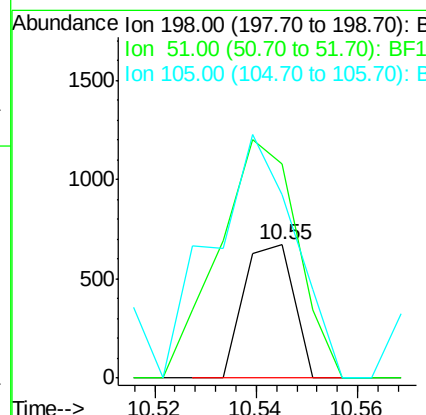
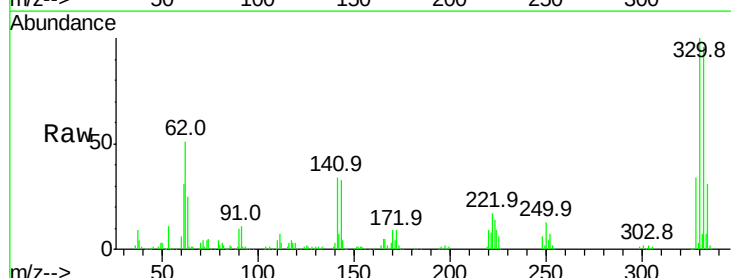
Instrument :
 BNA_F
 ClientSampleId :

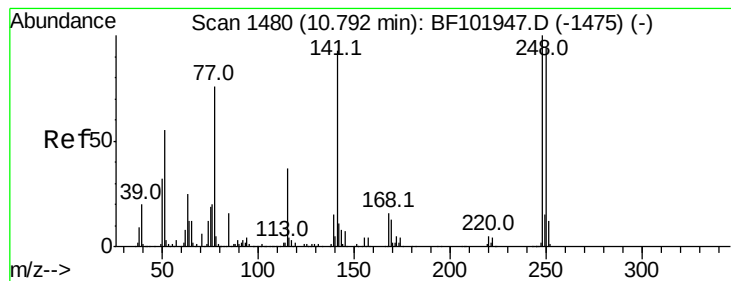
Tot Ion:188 Resp: 380653
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.858 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

Tgt Ion:198 Resp: 458
 Ion Ratio Lower Upper
 198 100
 51 161.0 37.7 77.7#
 105 138.1 36.3 76.3#





#66

4-Bromophenyl-phenylether

Concen: 3.368 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.25 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampled :

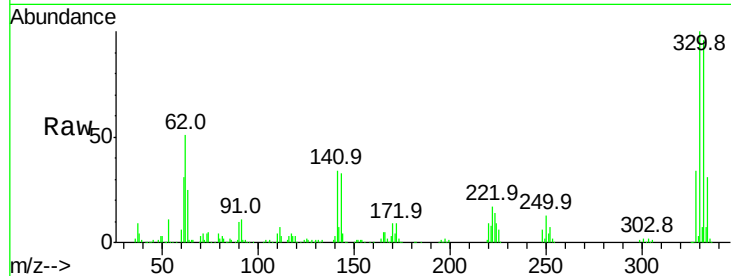
Tot Ion:248 Resp: 13539

Ion Ratio Lower Upper

248 100

250 202.2 76.9 115.3#

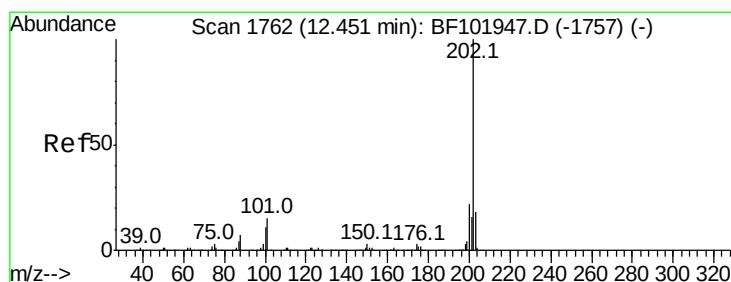
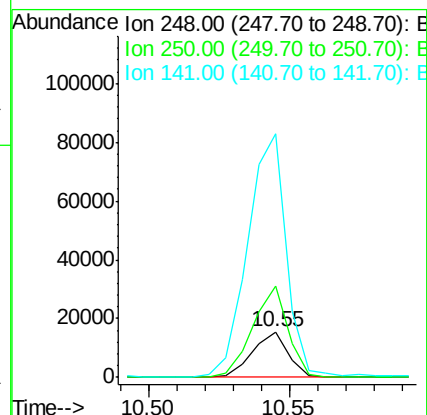
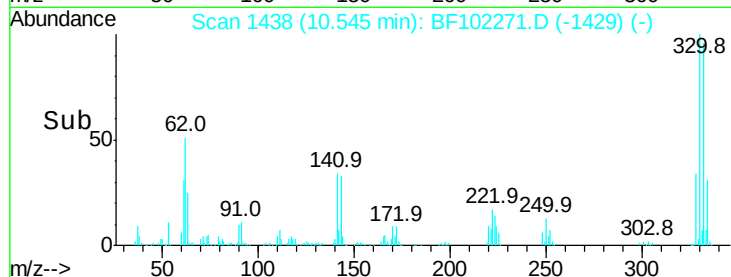
141 538.6 74.4 111.6#



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: 3.444 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

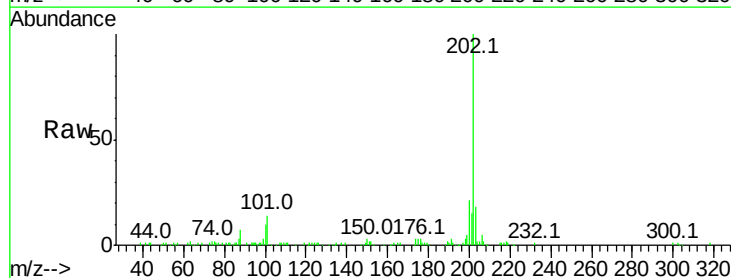
Tgt Ion:202 Resp: 75332

Ion Ratio Lower Upper

202 100

101 14.1 0.0 34.1

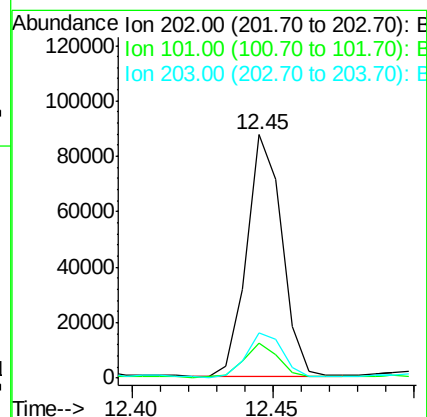
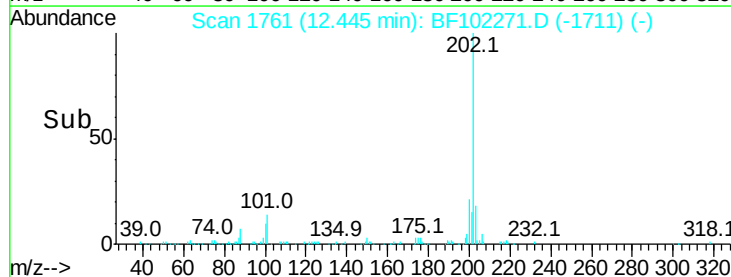
203 18.5 0.0 38.1

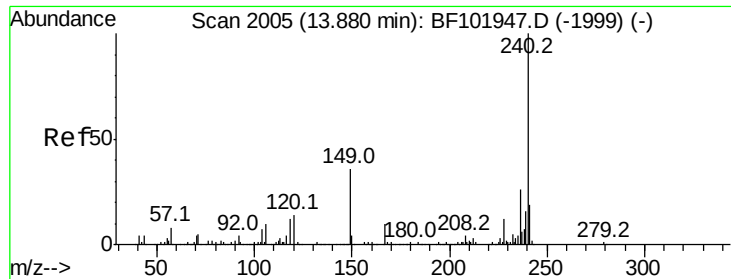


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampleId :

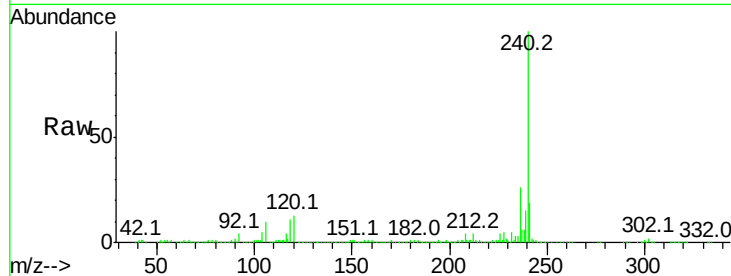
Tot Ion:240 Resp: 288839

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

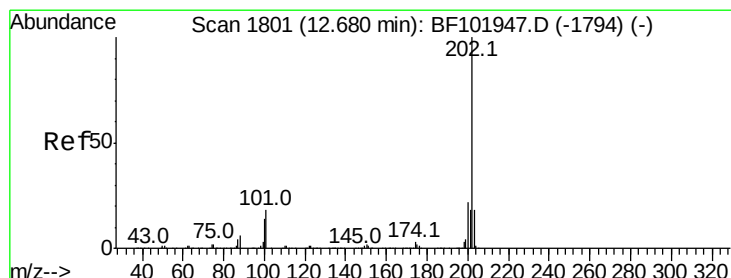
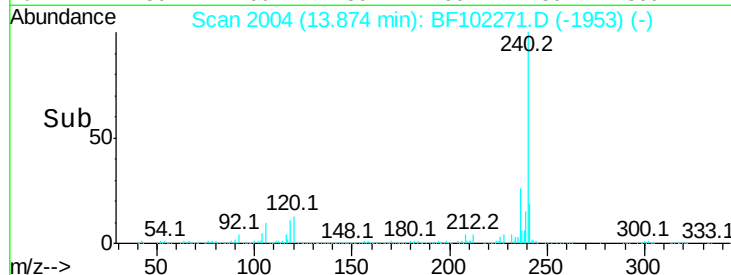
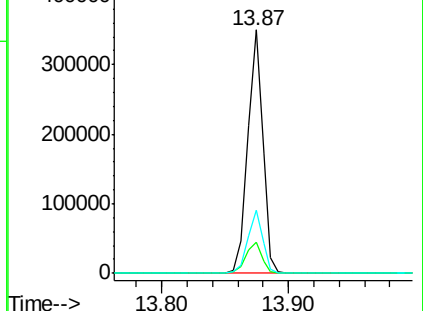
236 26.0 20.7 31.1



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: 5.631 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

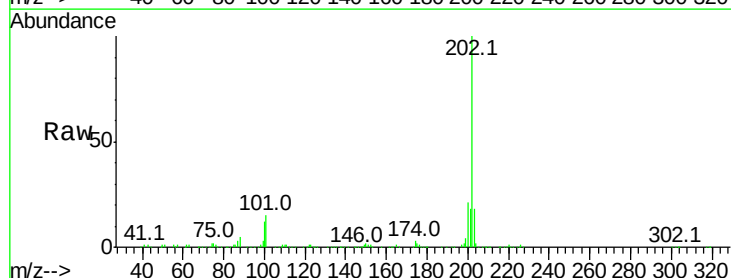
Tgt Ion:202 Resp: 143756

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

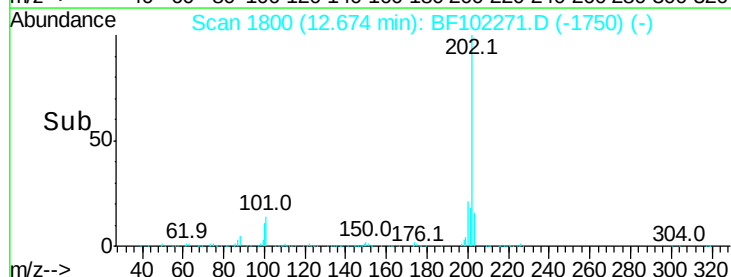
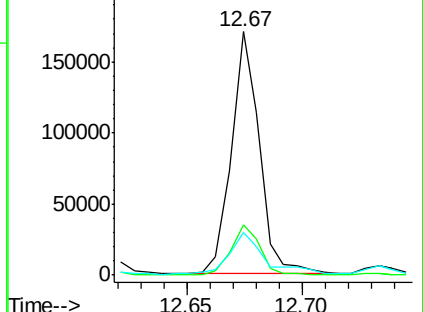
203 17.5 14.3 21.5

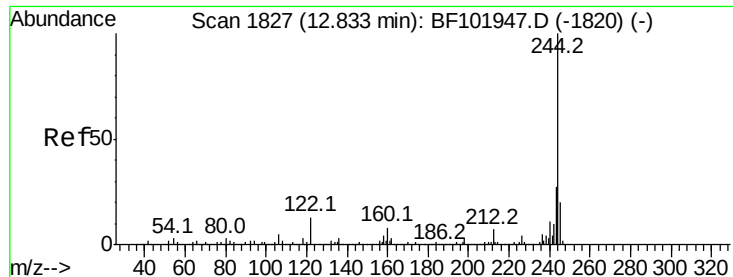


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

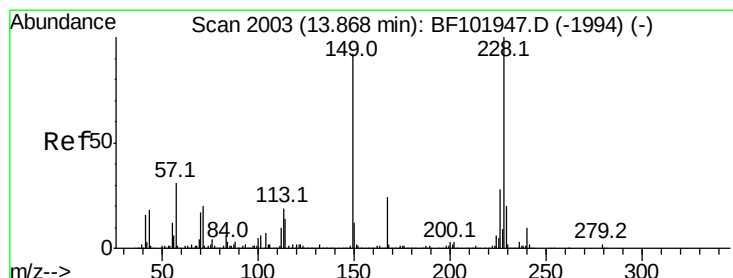
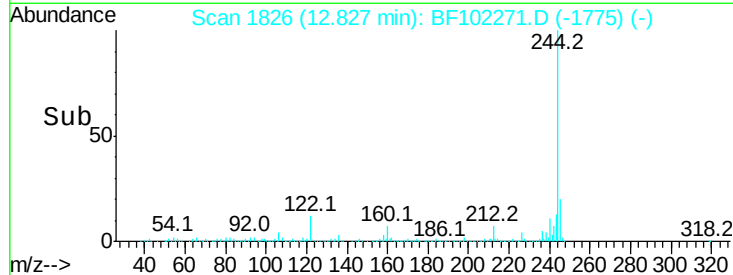
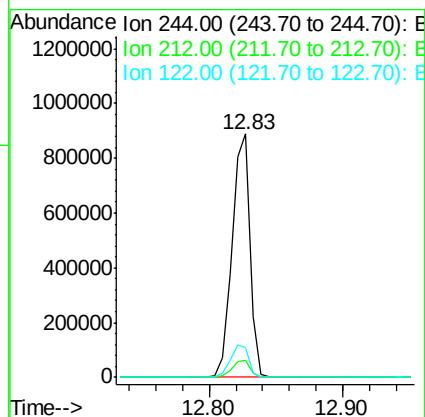
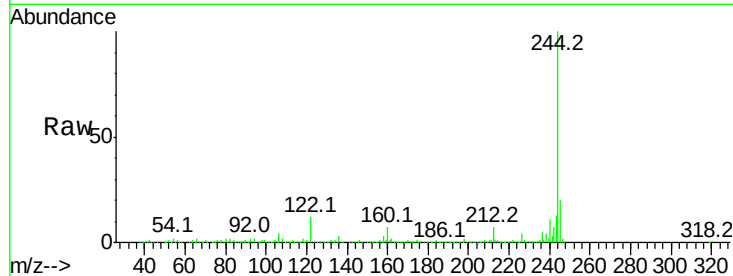




#78
 Terphenyl-d14
 Concen: 60.516 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

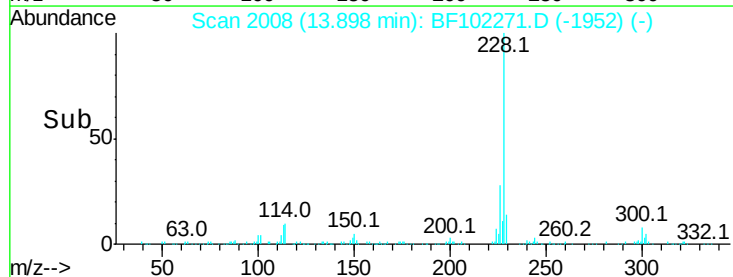
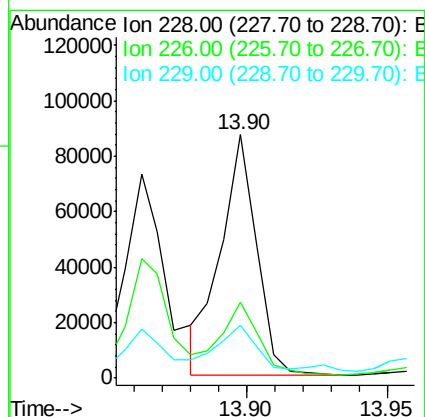
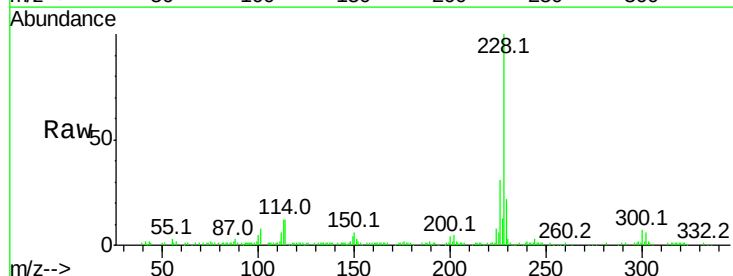
Instrument :
 BNA_F
 ClientSampleId :

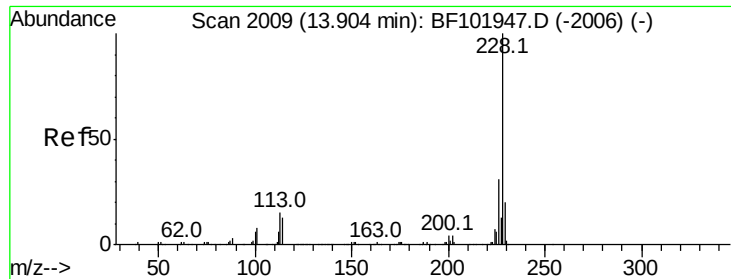
Tot Ion:244 Resp: 841865
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 4.191 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.03 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

Tgt Ion:228 Resp: 77236
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 33.8
 229 21.8 15.8 23.6





#82

Chrysene

Concen: 4.019 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

Instrument :

BNA_F

ClientSampled :

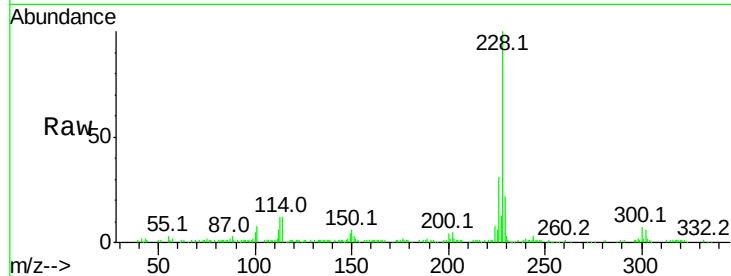
Tot Ion:228 Resp: 77236

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

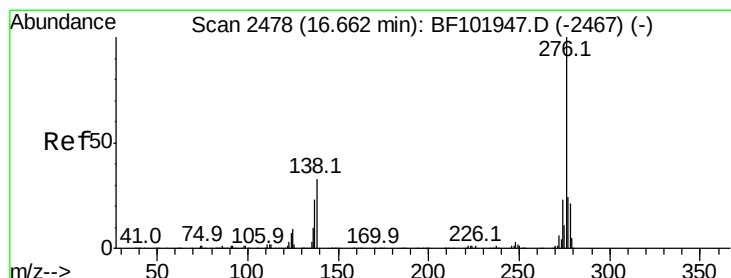
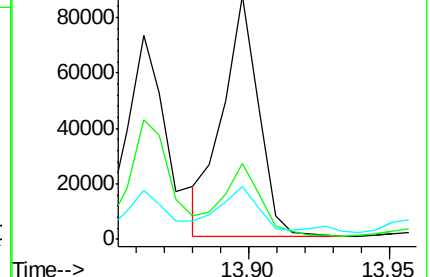
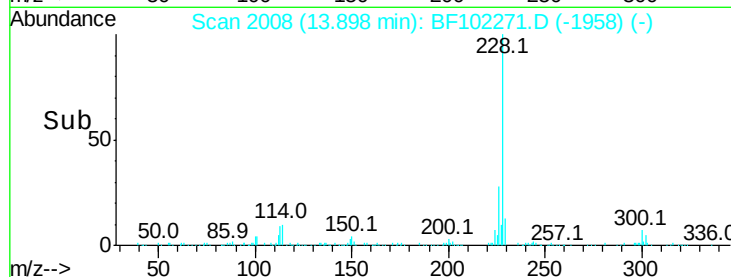
229 21.8 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.319 ng

RT: 16.67 min Scan# 2480

Delta R.T. -0.01 min

Lab File: BF102271.D

Acq: 20 Jan 2018 17:41

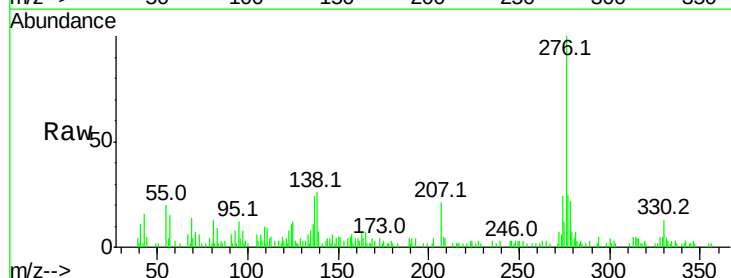
Tgt Ion:276 Resp: 32430

Ion Ratio Lower Upper

276 100

138 29.2 25.0 37.6

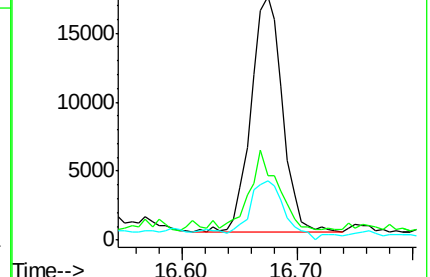
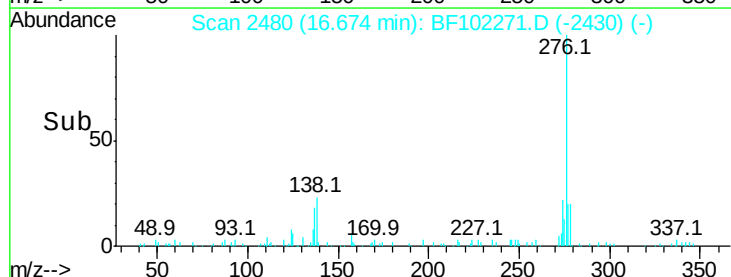
277 28.5 20.1 30.1

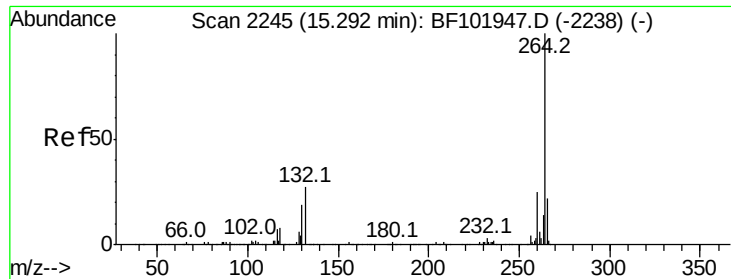


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



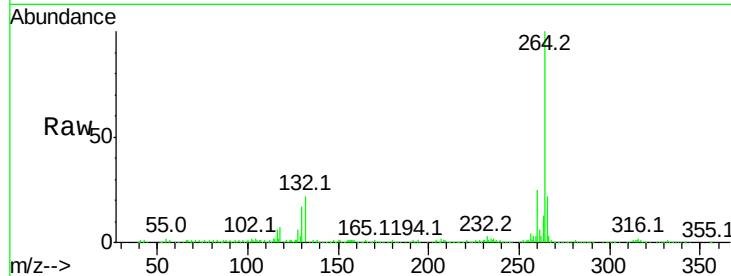


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

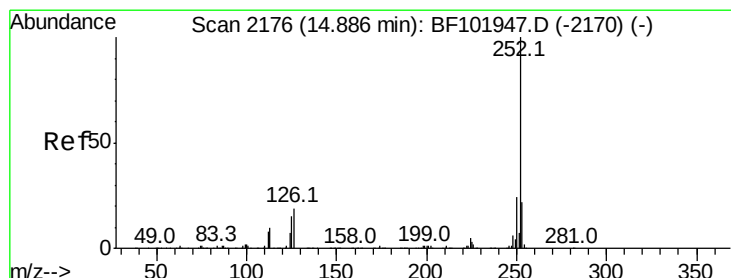
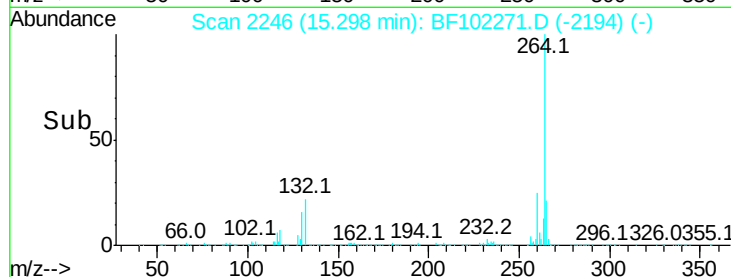
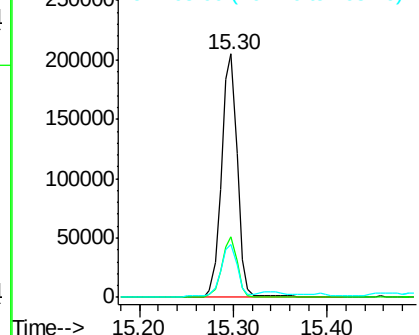
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 244381

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	21.6	17.5	26.3



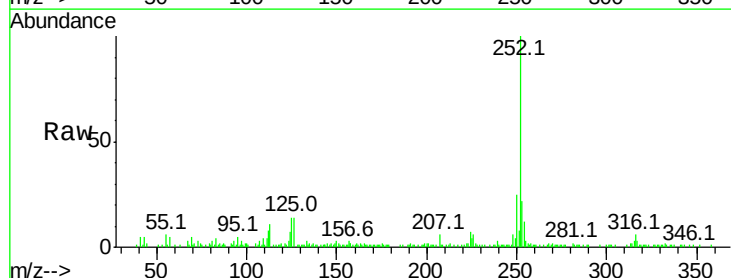
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



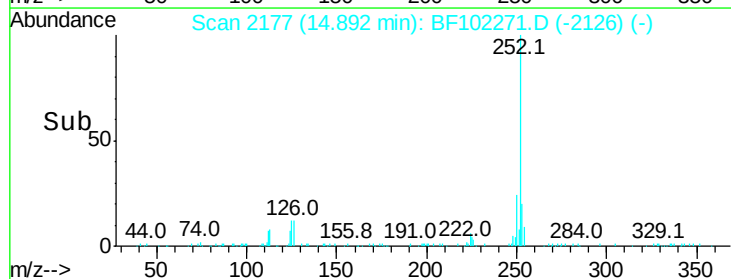
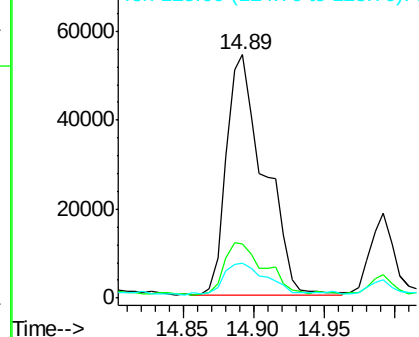
#87
Benzo(b)fluoranthene
Concen: 6.335 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

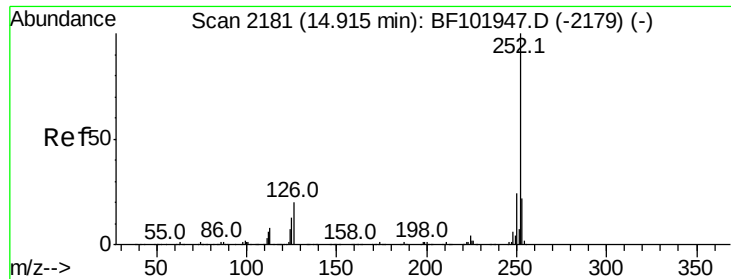
Tgt Ion:252 Resp: 100950

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.1	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

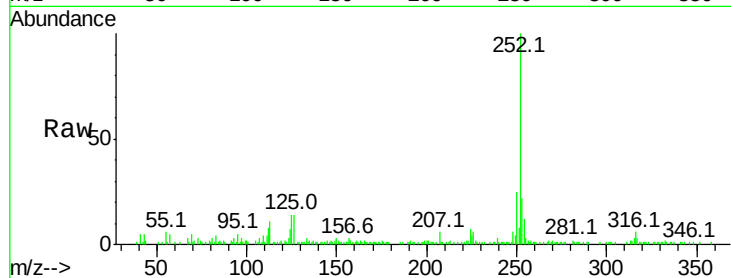




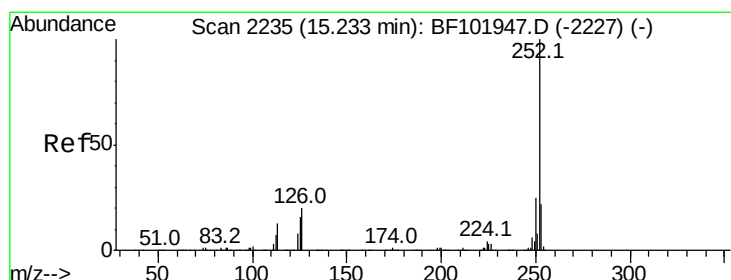
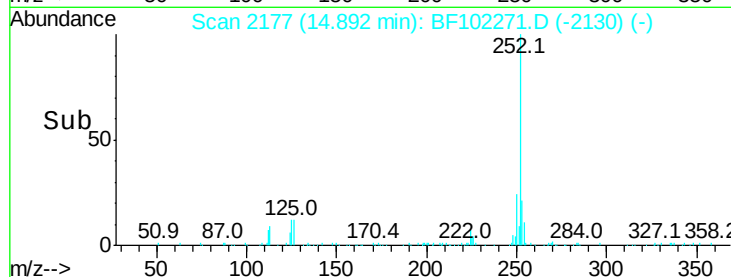
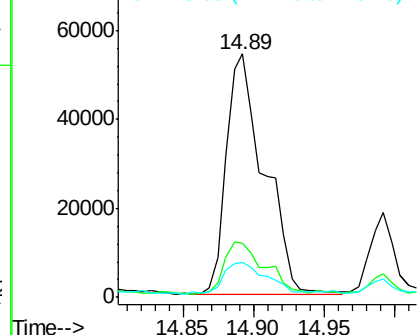
#88
Benzo(k)fluoranthene
Concen: 6.567 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	14.1	10.2	15.2

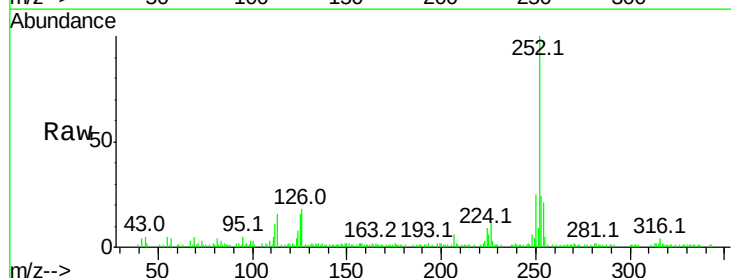


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

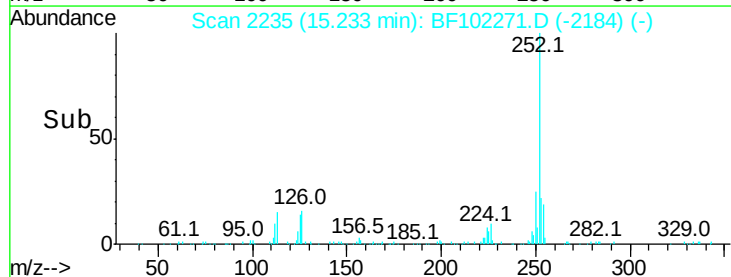
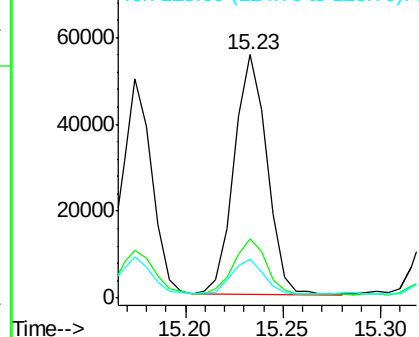


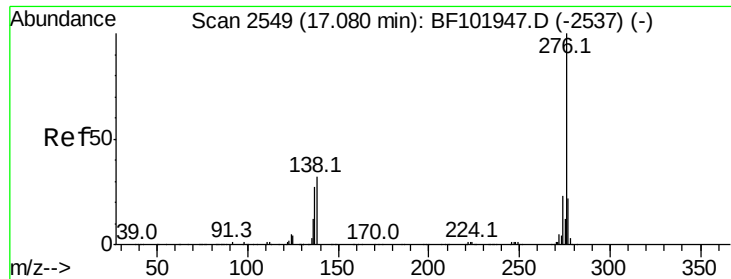
#89
Benzo(a)pyrene
Concen: 4.509 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102271.D
Acq: 20 Jan 2018 17:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	15.8	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

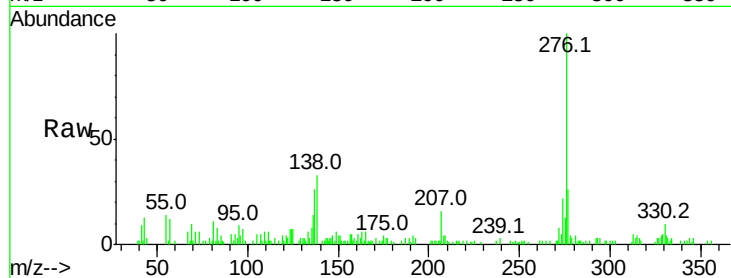




#91
 Benzo(a,h,i)perylene
 Concen: 3.701 ng
 RT: 17.09 min Scan# 2551
 Delta R.T. -0.01 min
 Lab File: BF102271.D
 Acq: 20 Jan 2018 17:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	32.8	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

