

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100976.D
 Acq On : 29 Nov 2017 14:28
 Operator : SJ/JU
 Sample : I6616-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:39:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	76598	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	309395	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	146037	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	250330	20.00	ng	0.00
75) Chrysene-d12	14.02	240	155491	20.00	ng	-0.01
86) Perylene-d12	15.49	264	155491	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	435879	91.22	ng	0.00
7) Phenol-d6	6.49	99	543357	92.21	ng	0.00
23) Nitrobenzene-d5	7.42	82	342591	73.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	148603	99.86	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	672392	70.11	ng	0.00
78) Terphenyl-d14	12.96	244	466220	68.89	ng	-0.01

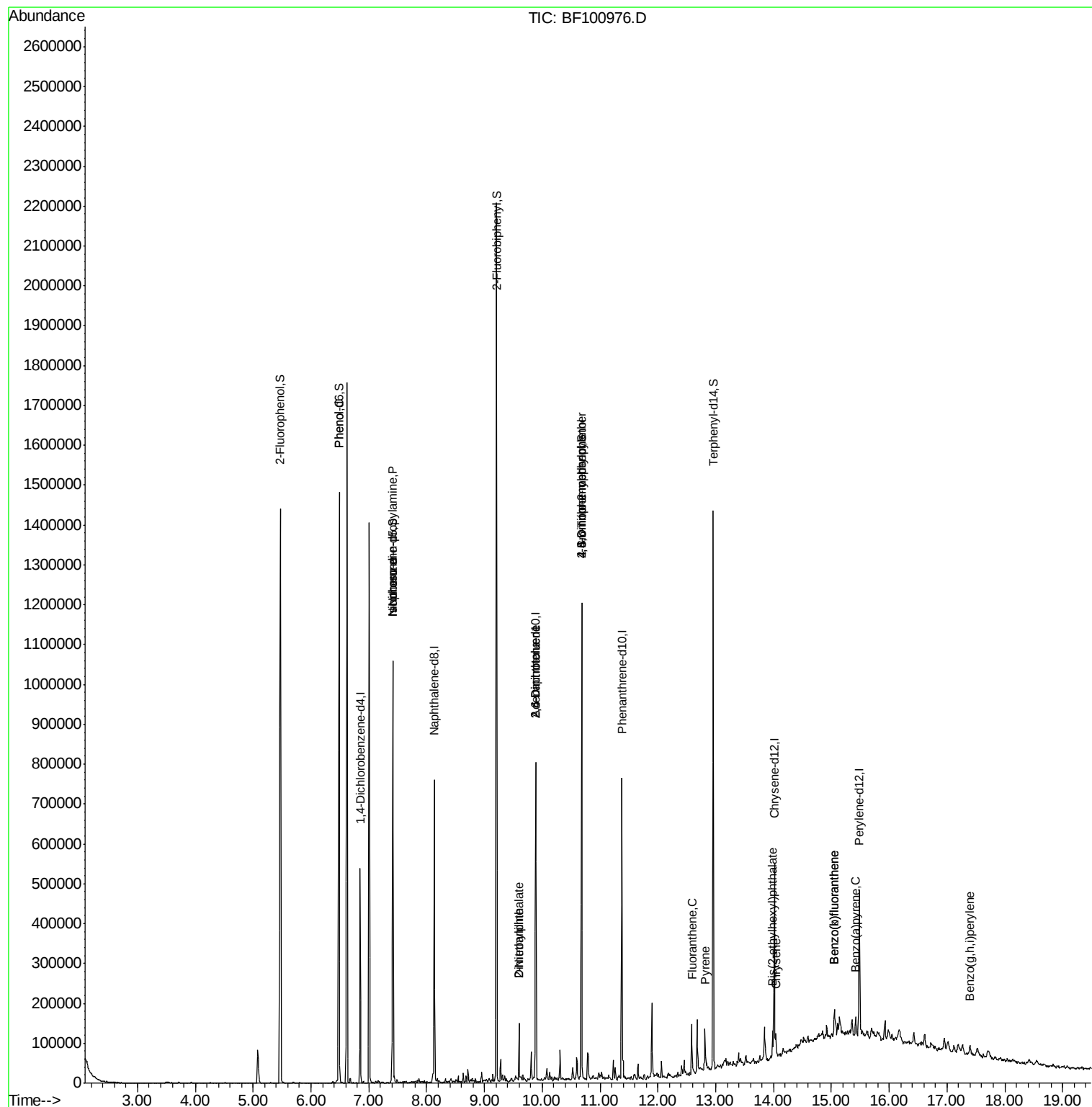
Target Compounds				Qvalue		
10) Phenol	6.49	94	12773	2.065	ng	79
19) n-Nitroso-di-n-propylamine	7.42	70	45669	11.176	ng	# 82
25) Isophorone	7.42	82	342587	34.836	ng	# 64
47) 2-Nitroaniline	9.60	65	602	2.993	ng	# 1
49) Dimethylphthalate	9.60	163	39734	3.564	ng	# 99
50) 2,6-Dinitrotoluene	9.89	165	19172	8.686	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	19172	6.886	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.68	198	145	8.664	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	9638	3.592	ng	# 1
74) Fluoranthene	12.59	202	41776	2.991	ng	95
77) Pyrene	12.82	202	35168	3.173	ng	97
82) Chrysene	14.04	228	23442	2.585	ng	94
83) Bis(2-ethylhexyl)phthalate	13.99	149	19929	3.352	ng	# 99
87) Benzo(b)fluoranthene	15.05	252	44231	4.801	ng	# 92
88) Benzo(k)fluoranthene	15.05	252	44231	5.082	ng	95
89) Benzo(a)pyrene	15.42	252	20306	2.486	ng	# 91
91) Benzo(a,h,i)perylene	17.40	276	16479	2.521	ng	# 89

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

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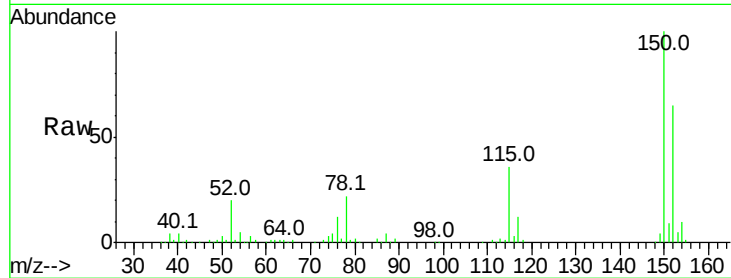


#1

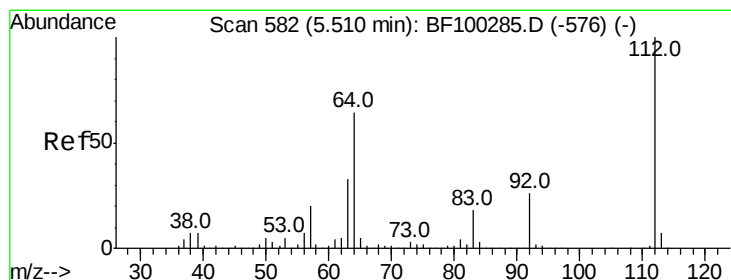
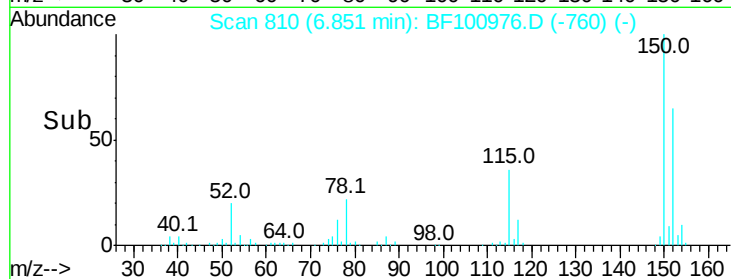
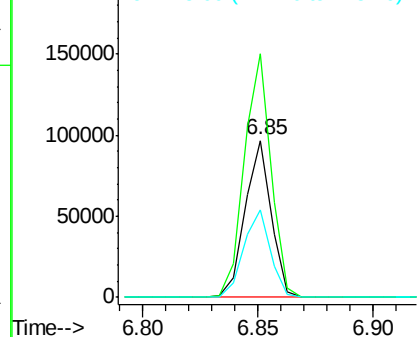
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76598
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 55.5 50.1 75.1



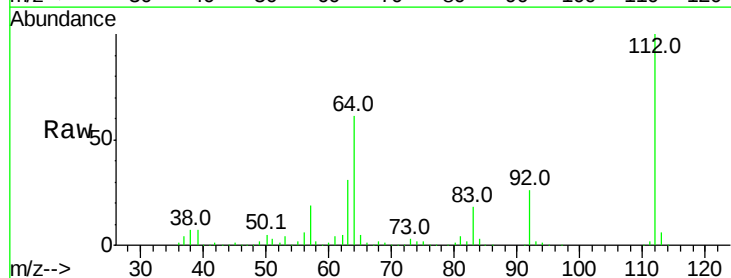
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



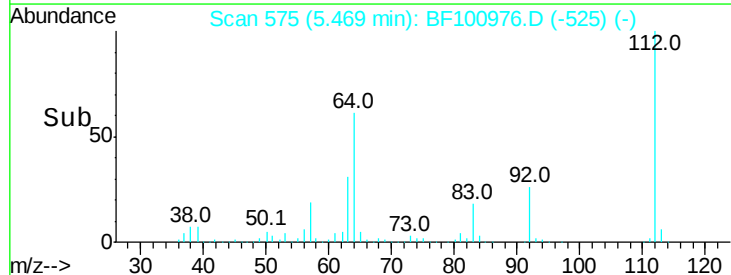
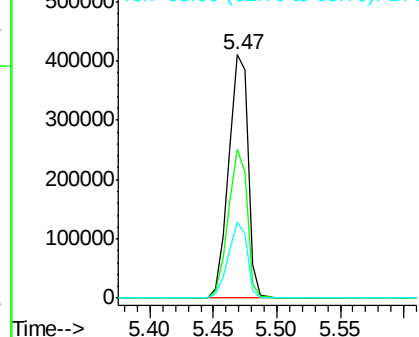
#5

2-Fluorophenol
Concen: 91.218 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion:112 Resp: 435879
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 31.1 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: 92.212 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

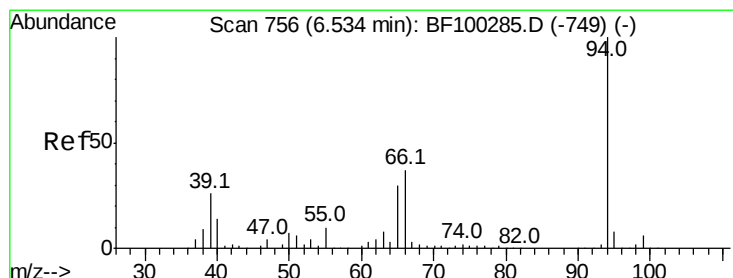
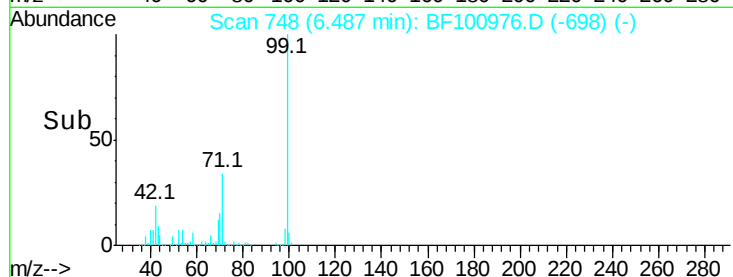
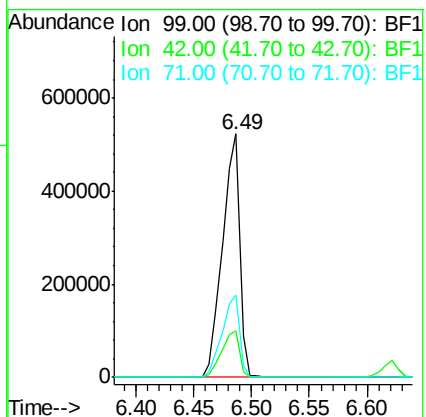
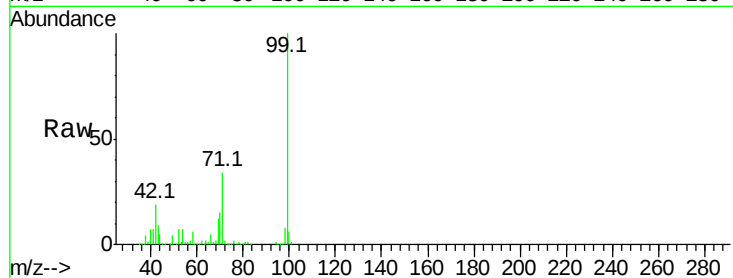
Tot Ion: 99 Resp: 543357

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 34.0 25.4 38.0



#10

Phenol

Concen: 2.065 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

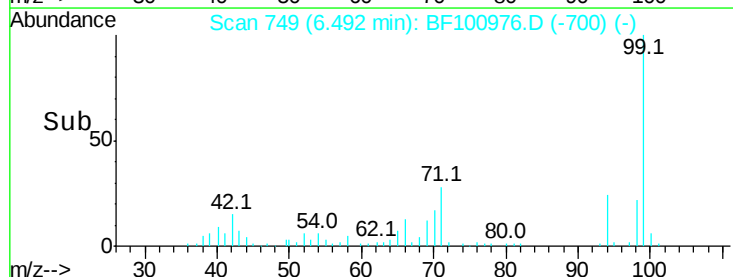
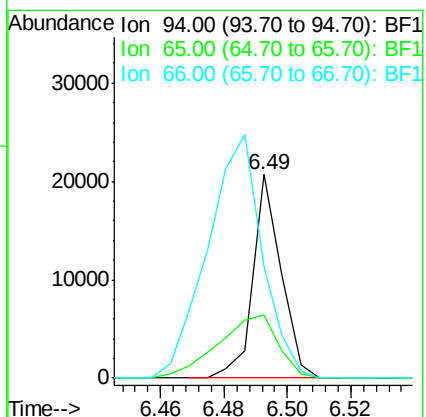
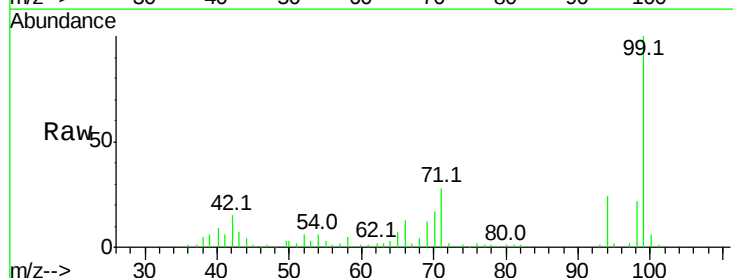
Tgt Ion: 94 Resp: 12773

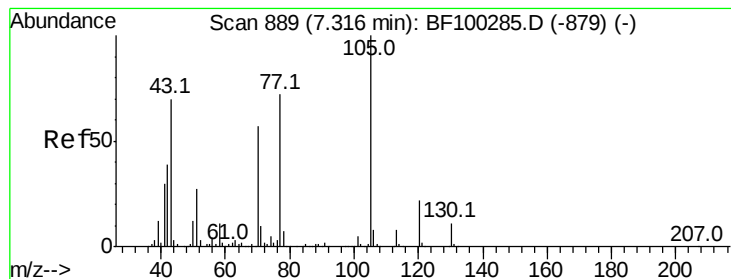
Ion Ratio Lower Upper

94 100

65 31.1 7.9 47.9

66 54.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.176 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 45669

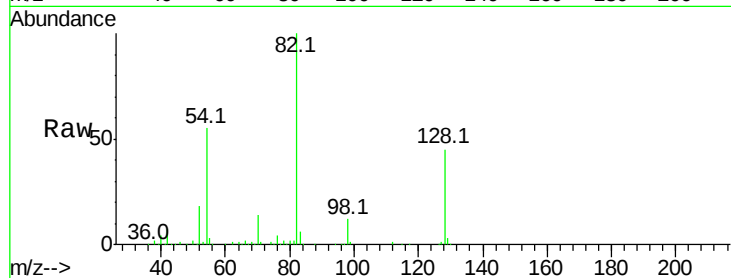
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

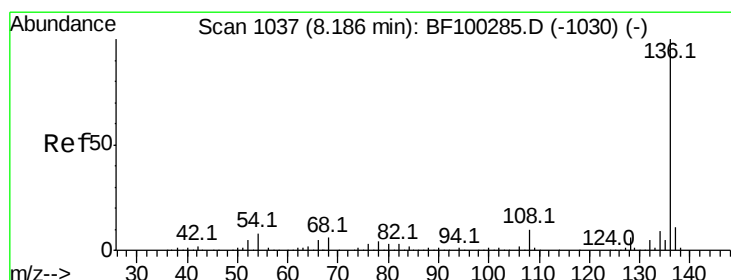
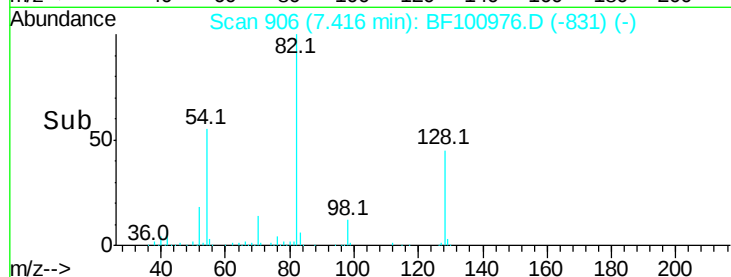
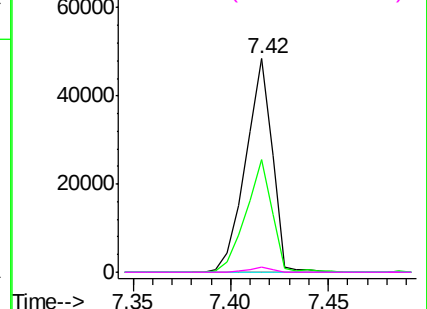


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Tgt Ion: 136 Resp: 309395

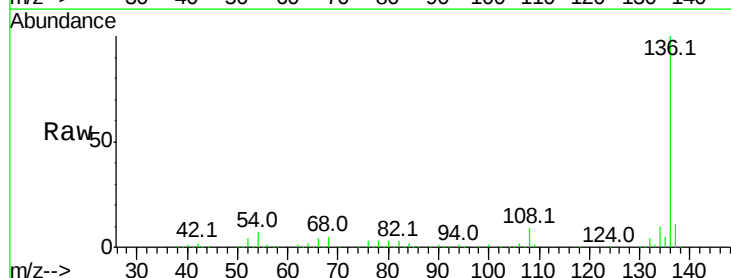
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.4 6.6 9.8

68 4.6 5.0 7.4#

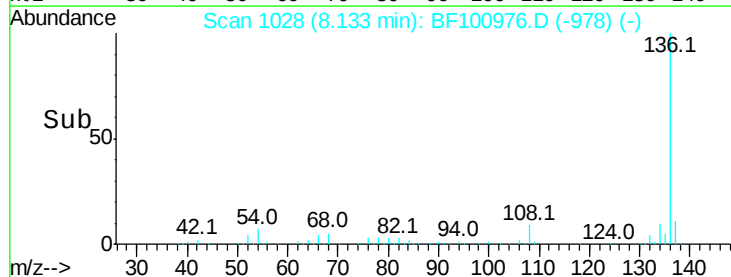
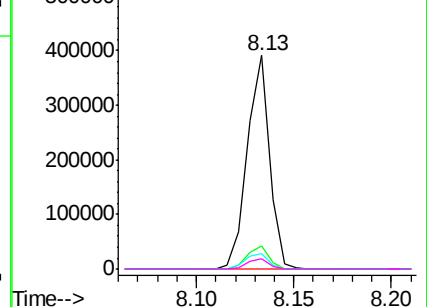


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

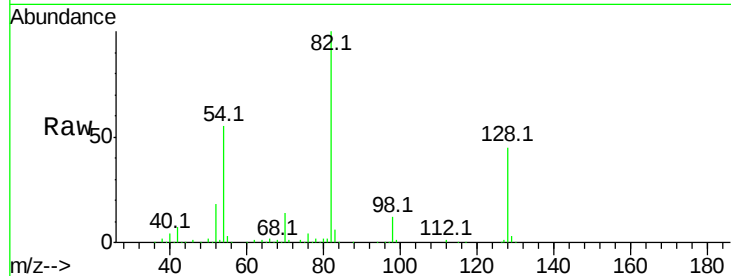




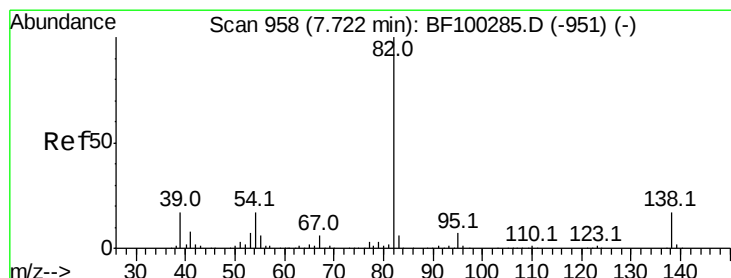
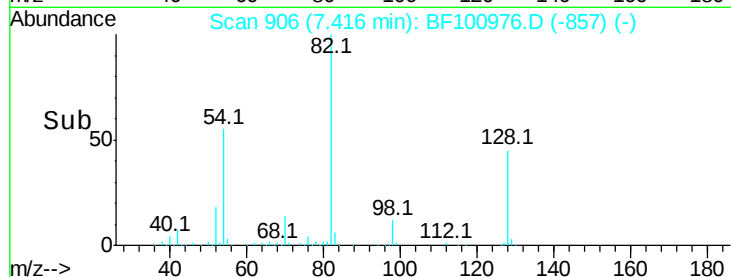
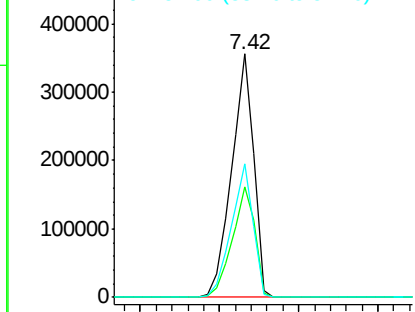
#23
Nitrobenzene-d5
Concen: 73.207 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	342591
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.1	54.1
54	54.8	41.4	62.2

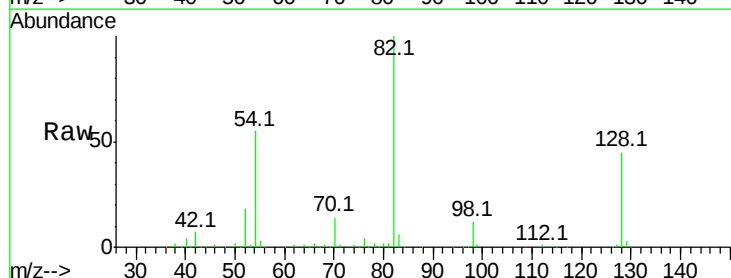


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

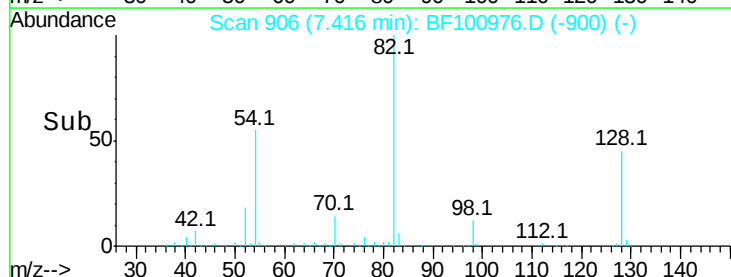
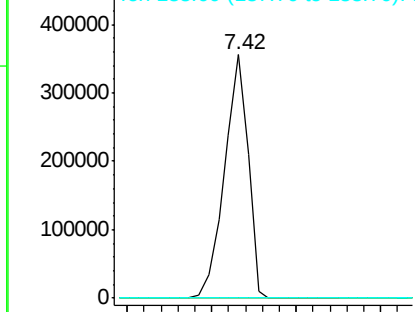


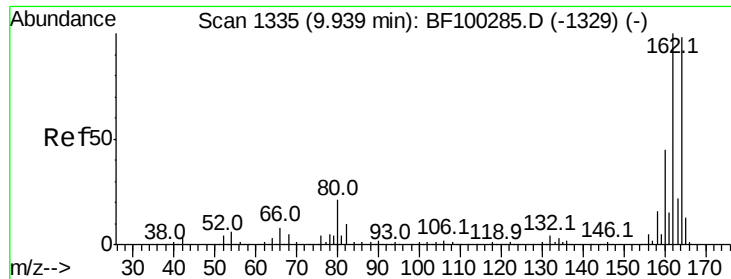
#25
Isophorone
Concen: 34.836 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion	82	Resp	342587
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

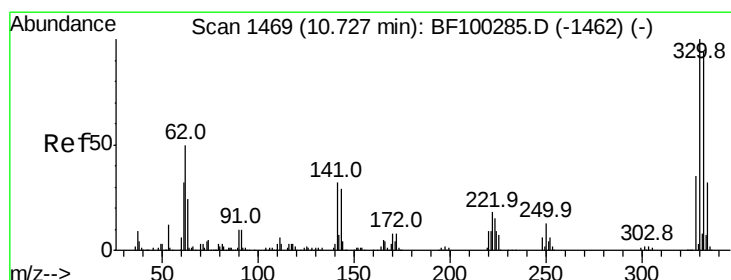
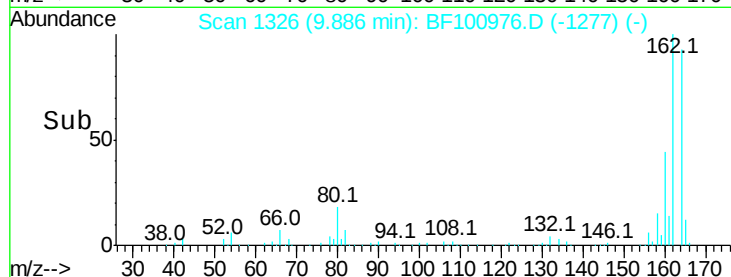
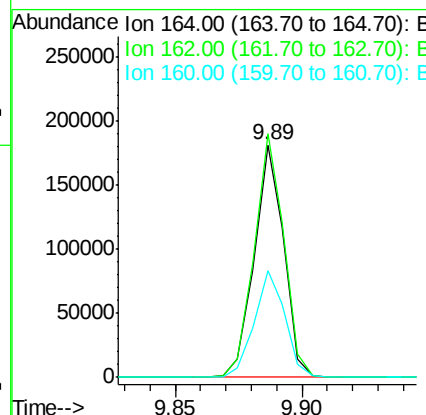
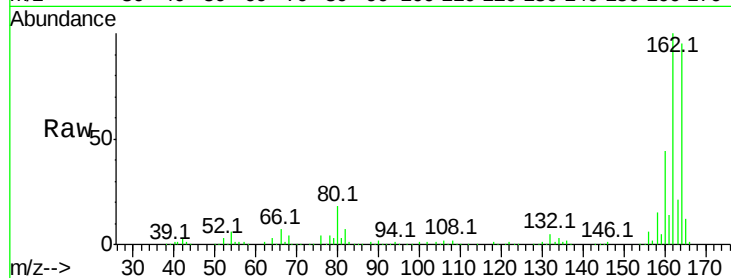




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF100976.D
 Acq: 29 Nov 2017 14:28

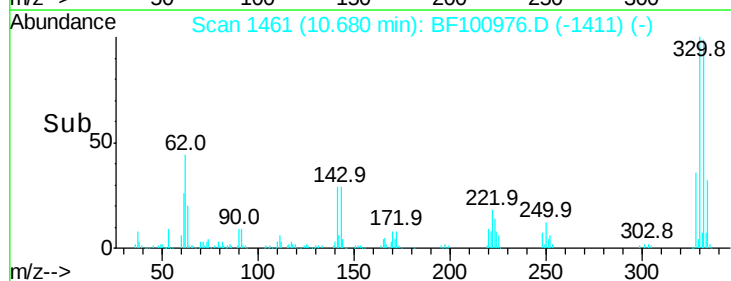
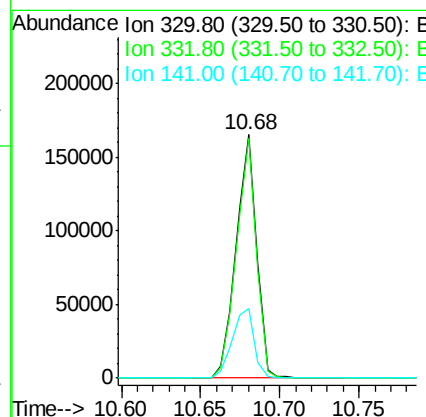
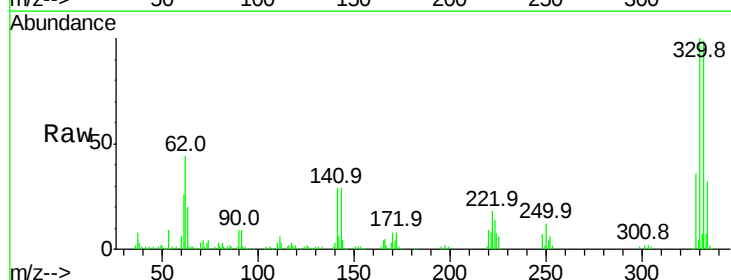
Instrument :
 BNA_F
 ClientSampleId :

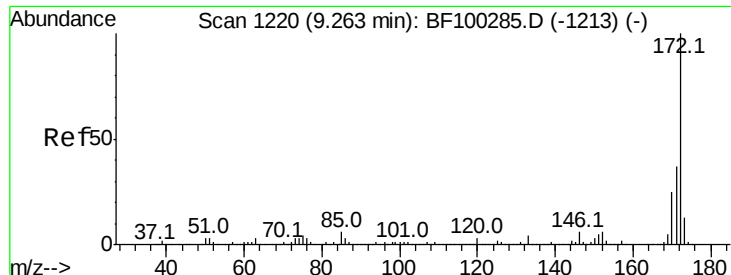
Tot Ion:164 Resp: 146037
 Ion Ratio Lower Upper
 164 100
 162 104.9 86.1 129.1
 160 45.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 99.860 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100976.D
 Acq: 29 Nov 2017 14:28

Tgt Ion:330 Resp: 148603
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 30.2 29.9 44.9

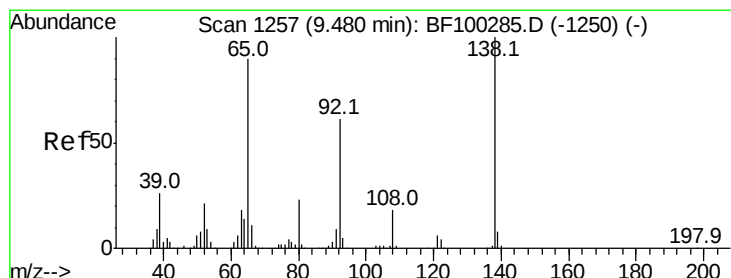
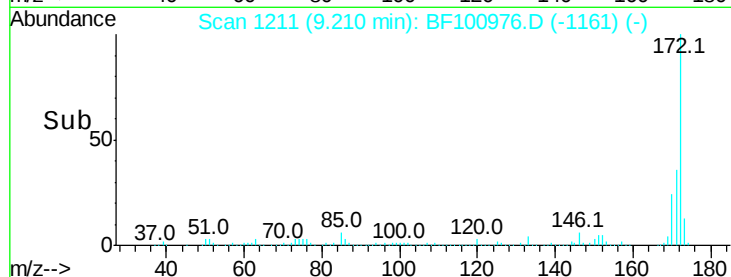
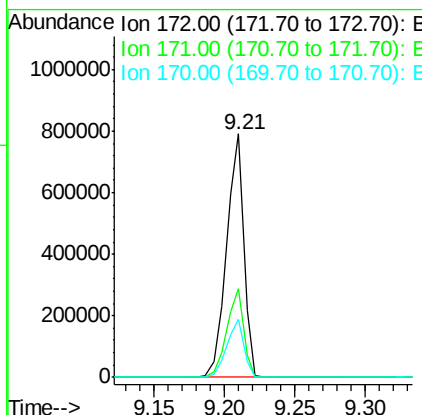
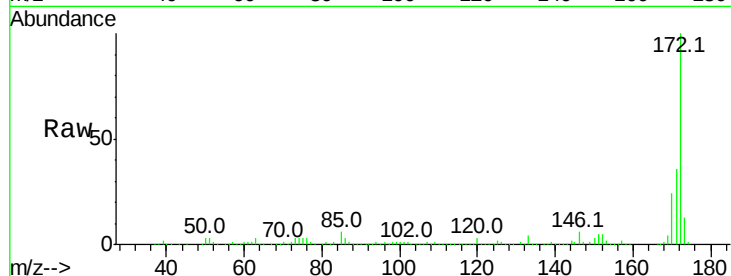




#44
 2-Fluorobiphenyl
 Concen: 70.110 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100976.D
 Acq: 29 Nov 2017 14:28

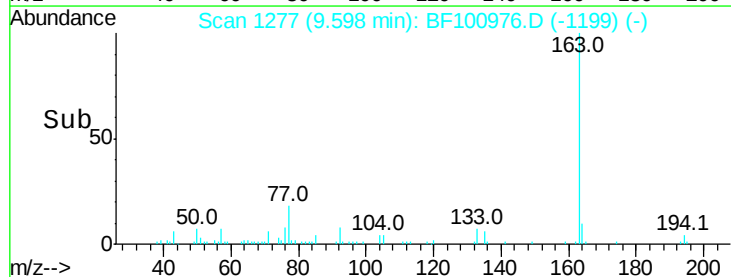
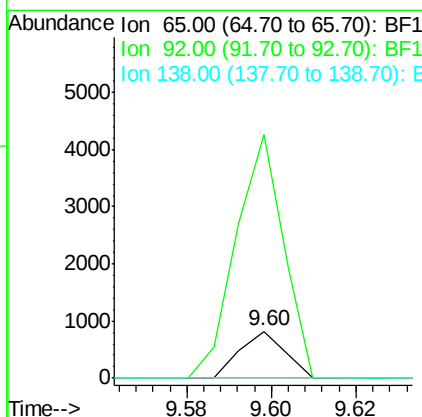
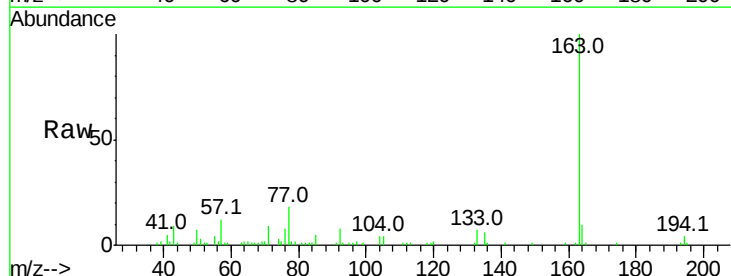
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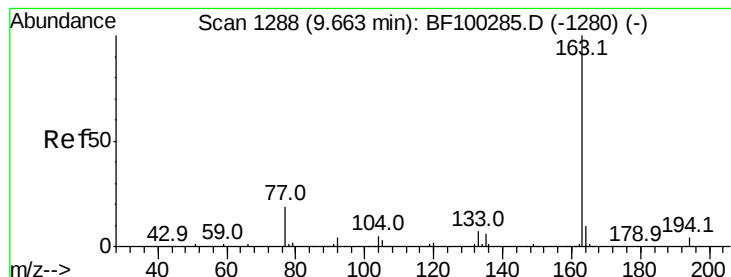
Tot Ion:172 Resp: 672392
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.0 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.993 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. 0.16 min
 Lab File: BF100976.D
 Acq: 29 Nov 2017 14:28

Tgt Ion: 65 Resp: 602
 Ion Ratio Lower Upper
 65 100
 92 516.7 55.8 83.6#
 138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 3.564 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

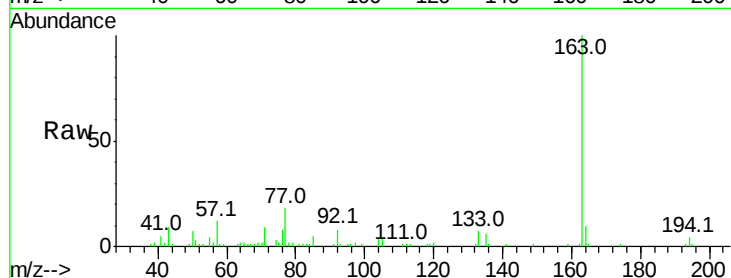
Tot Ion:163 Resp: 39734

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

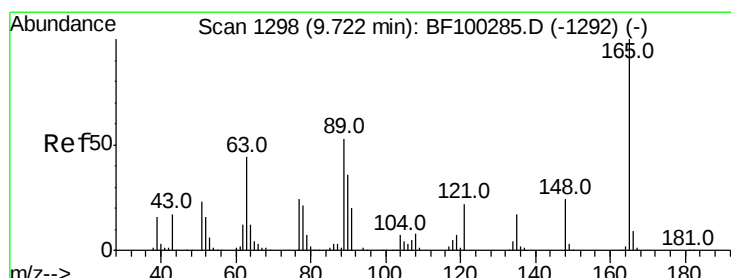
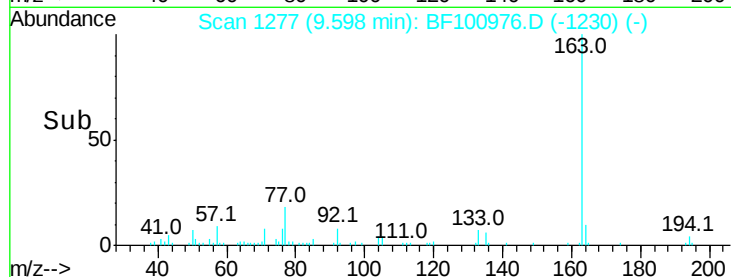
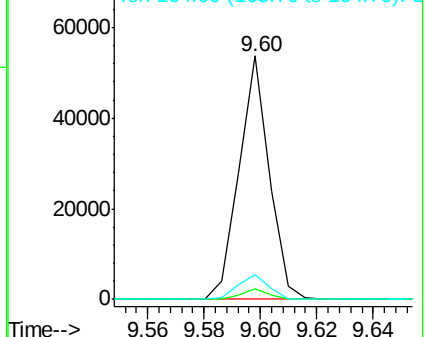
164 10.1 8.2 12.2



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: 8.686 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.20 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

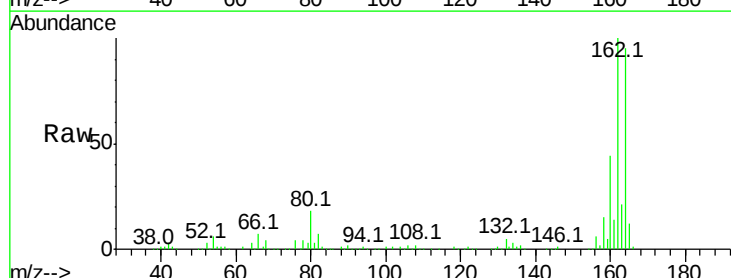
Tgt Ion:165 Resp: 19172

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

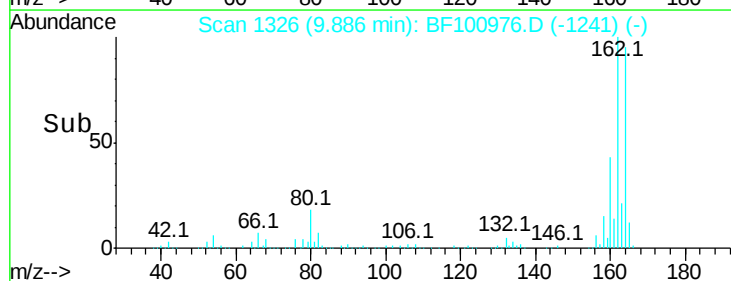
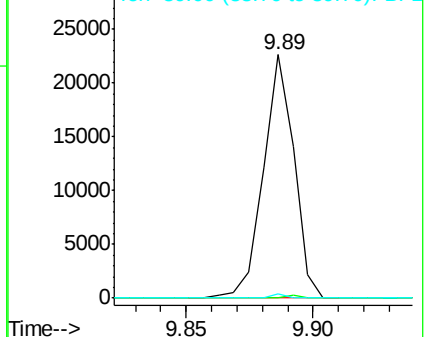
89 1.7 44.0 66.0#

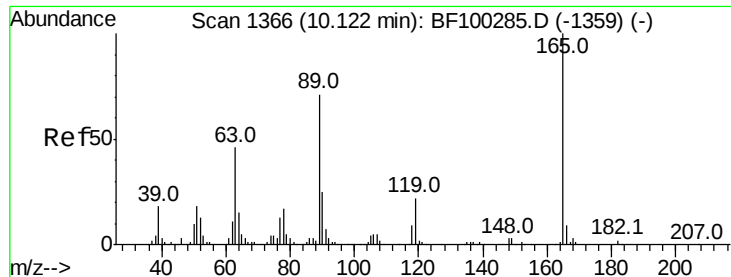


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

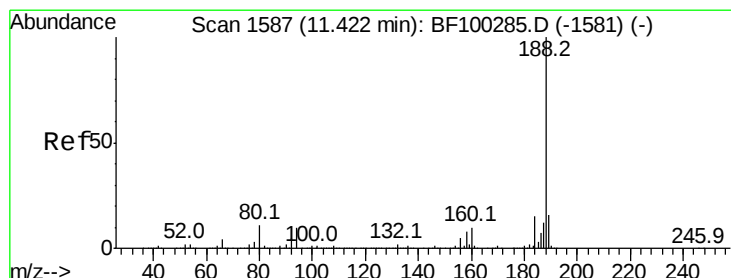
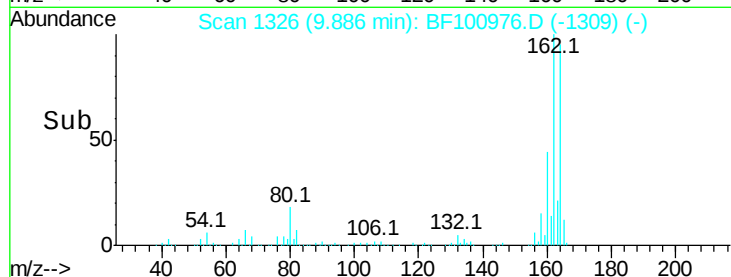
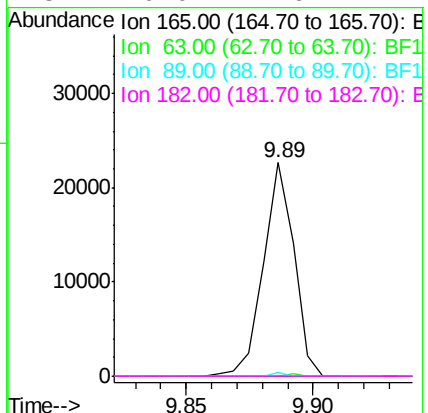
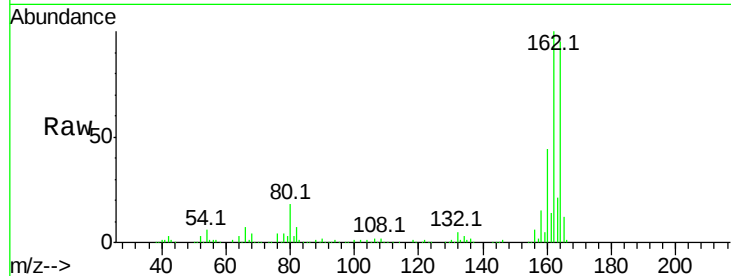




#56
2,4-Dinitrotoluene
Concen: 6.886 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

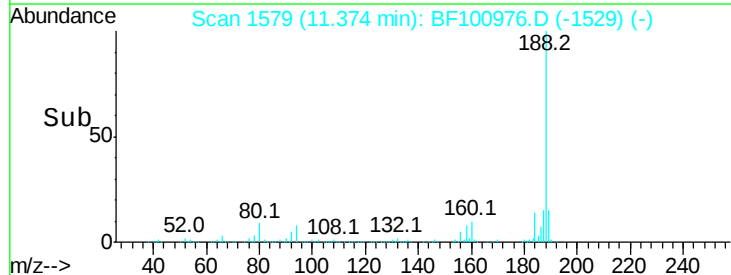
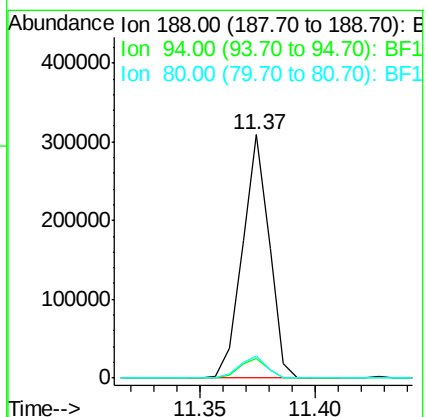
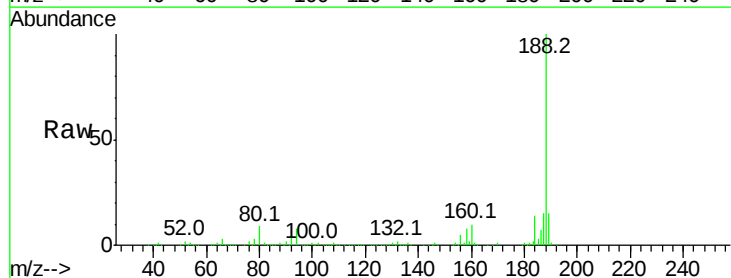
Instrument :
BNA_F
ClientSampleId :

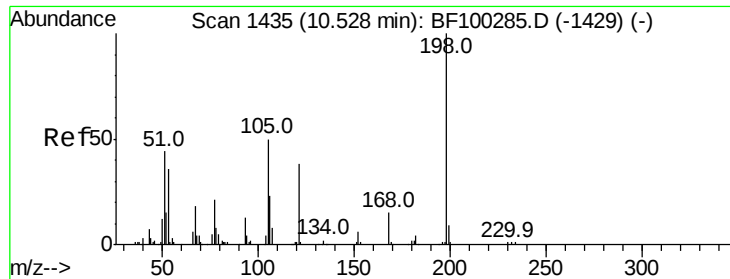
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.9	9.2	13.8#

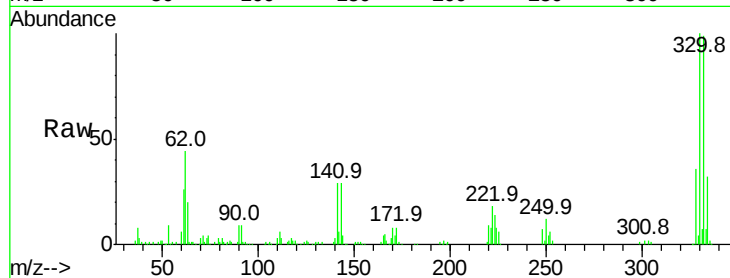




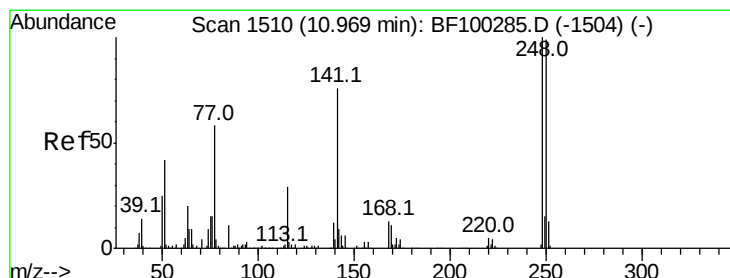
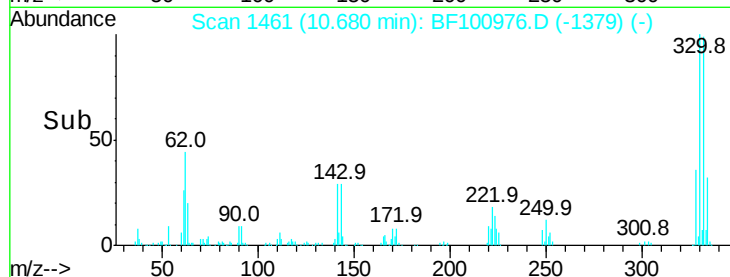
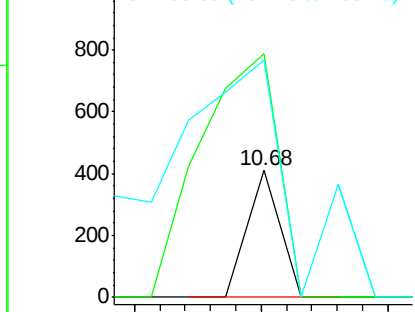
#64
4,6-Dinitro-2-methylphenol
Concen: 8.664 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.18 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 145
Ion Ratio Lower Upper
198 100
51 191.7 37.7 77.7#
105 186.6 36.3 76.3#

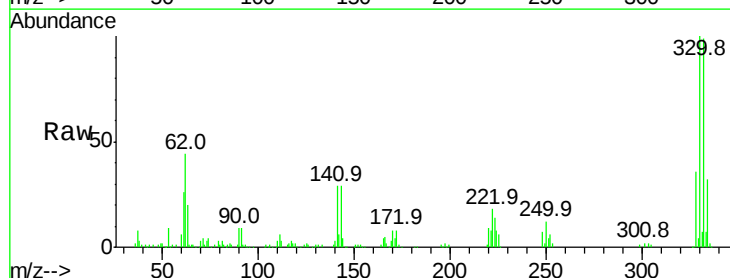


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

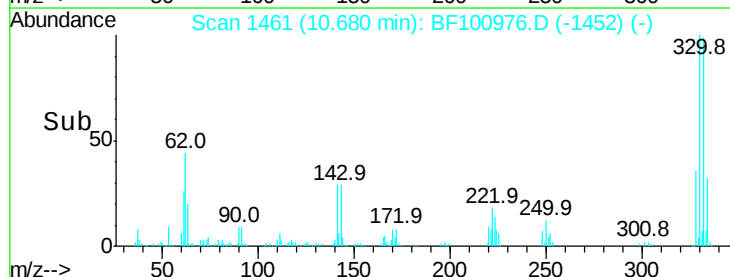
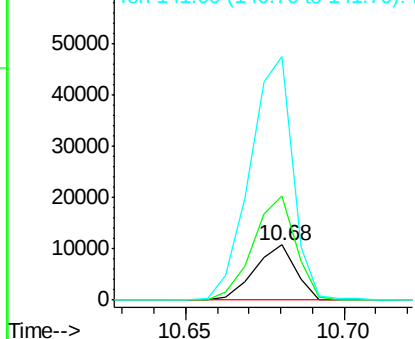


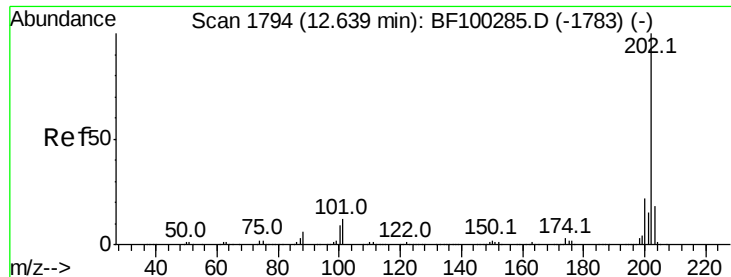
#66
4-Bromophenyl-phenylether
Concen: 3.592 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.25 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion:248 Resp: 9638
Ion Ratio Lower Upper
248 100
250 189.3 76.9 115.3#
141 441.3 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: 2.991 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

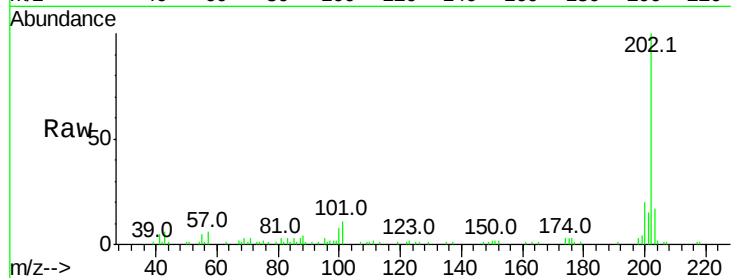
Tot Ion:202 Resp: 41776

Ion Ratio Lower Upper

202 100

101 10.7 0.0 34.1

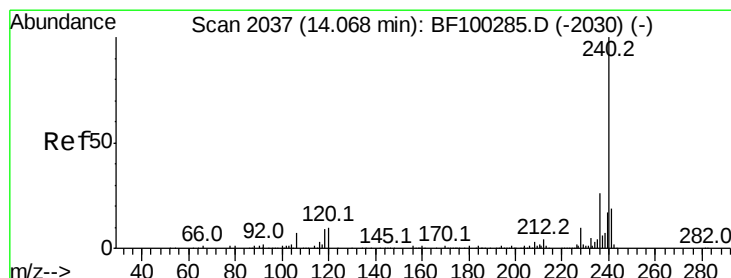
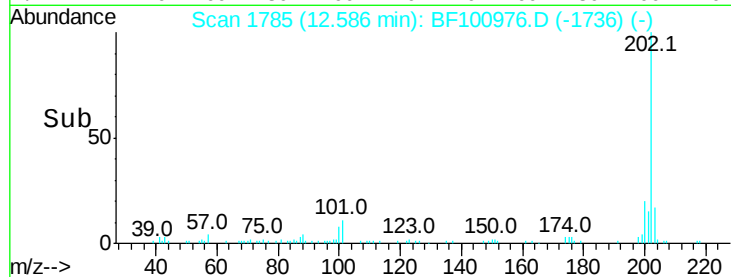
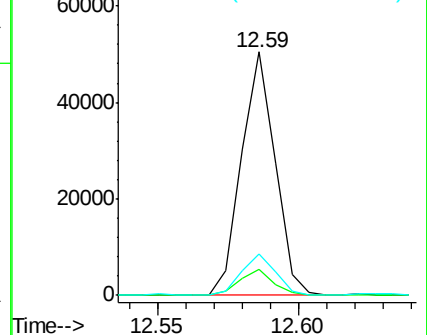
203 16.9 0.0 38.1



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

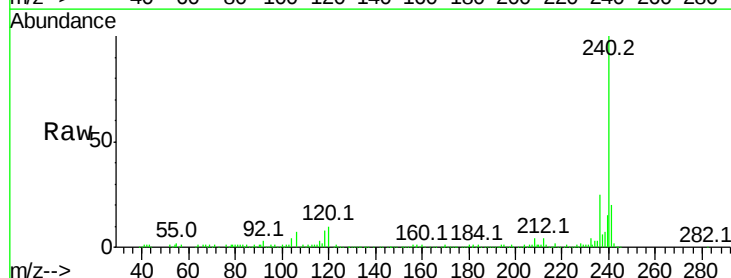
Tgt Ion:240 Resp: 155491

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

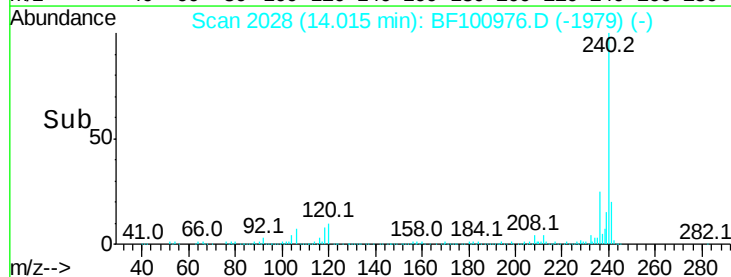
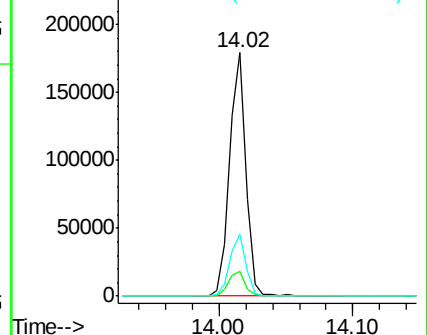
236 25.2 20.7 31.1

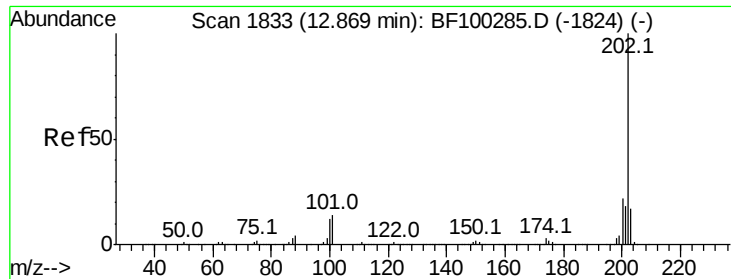


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.173 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

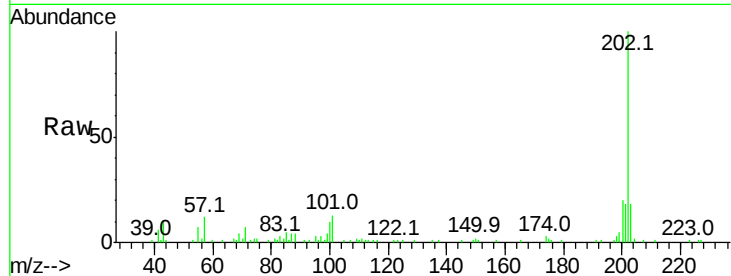
Tot Ion:202 Resp: 35168

Ion Ratio Lower Upper

202 100

200 19.5 17.4 26.2

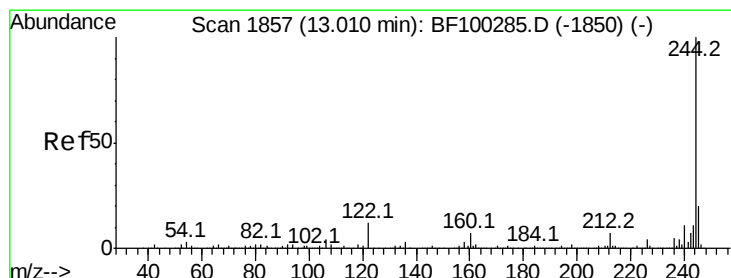
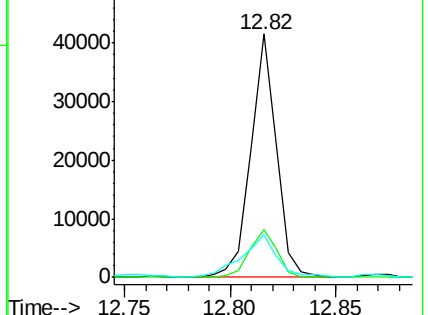
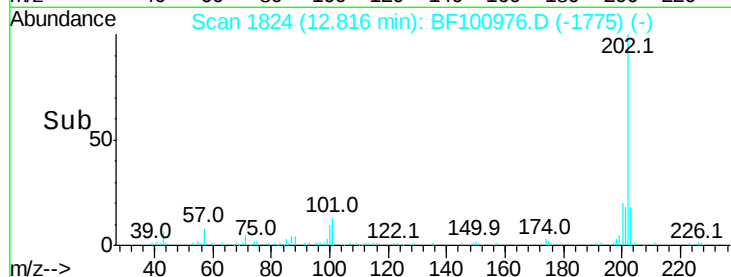
203 17.6 14.3 21.5



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: 68.894 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

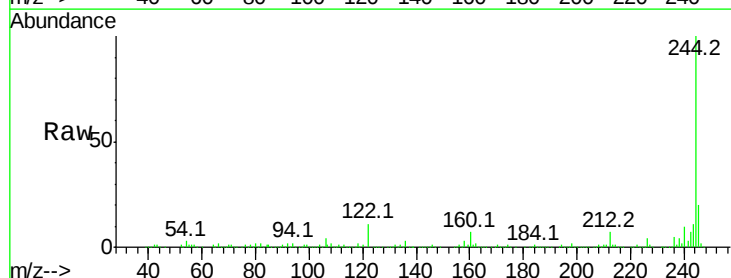
Tgt Ion:244 Resp: 466220

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

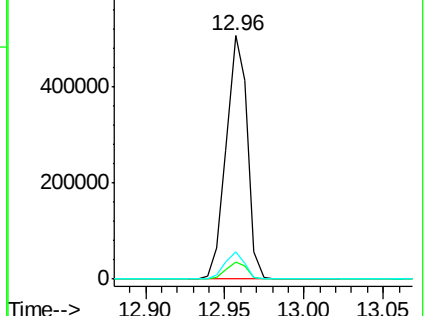
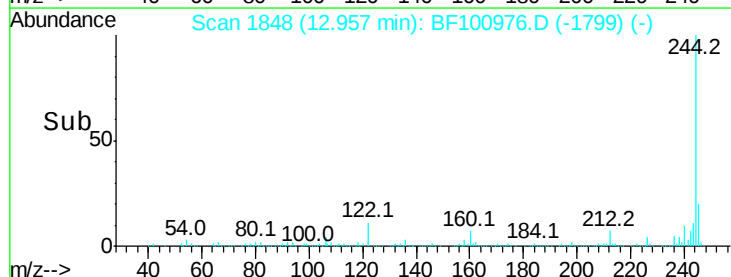
122 11.3 11.0 16.4

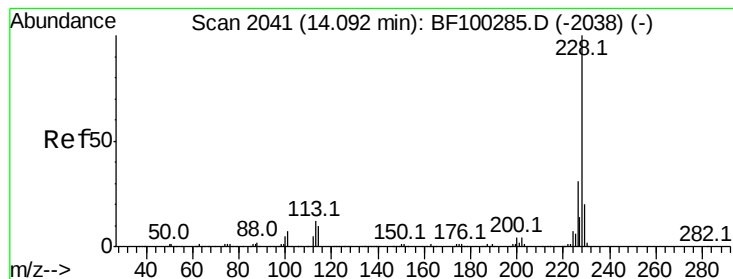


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.585 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

Instrument :

BNA_F

ClientSampleId :

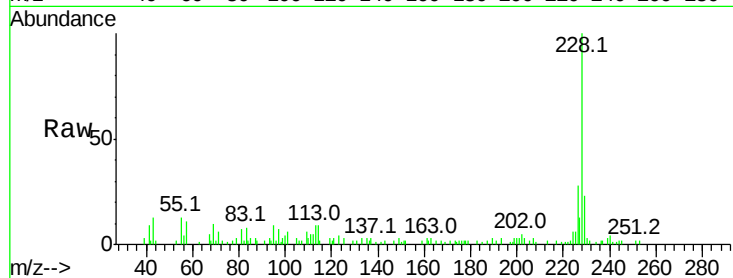
Tot Ion:228 Resp: 23442

Ion Ratio Lower Upper

228 100

226 28.3 25.0 37.6

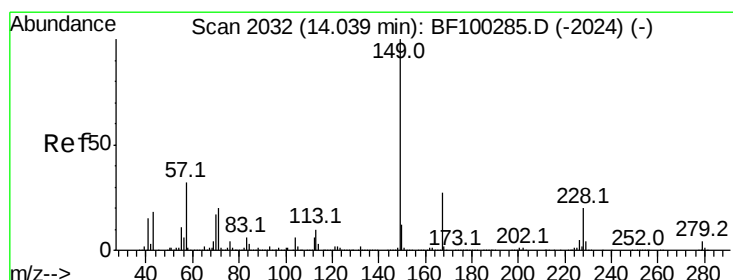
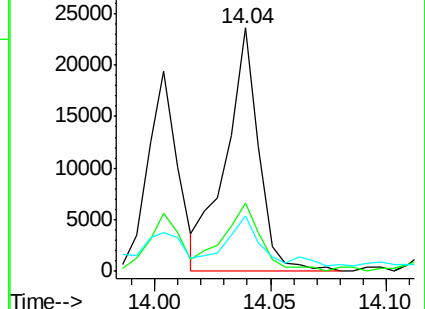
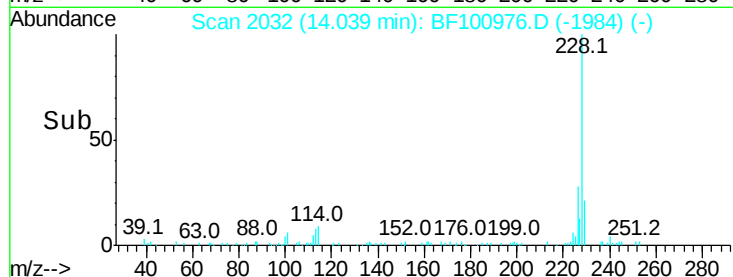
229 23.0 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.352 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF100976.D

Acq: 29 Nov 2017 14:28

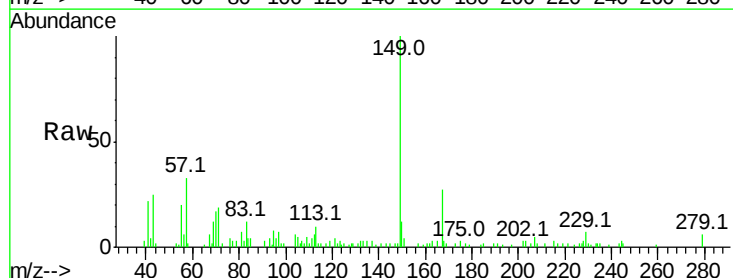
Tgt Ion:149 Resp: 19929

Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

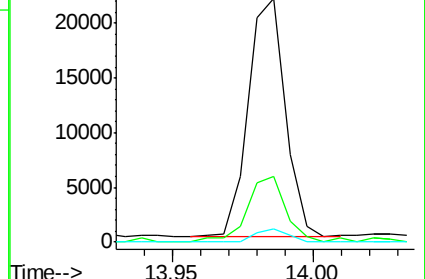
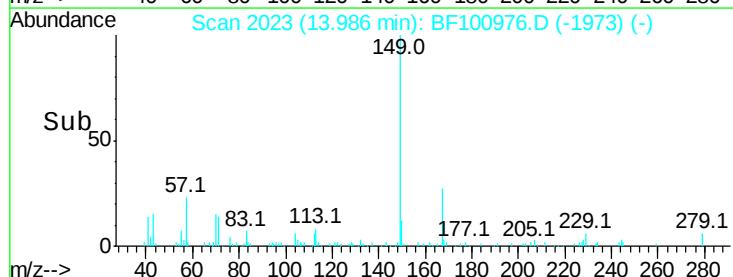
279 5.5 3.0 4.4#

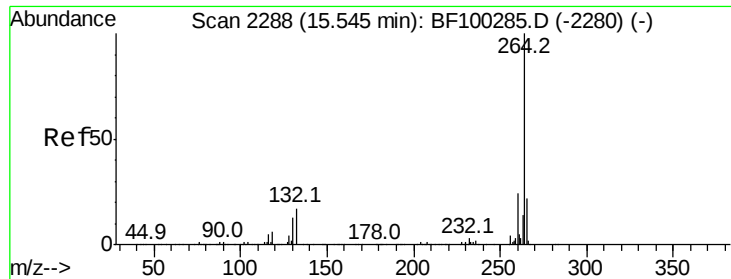


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

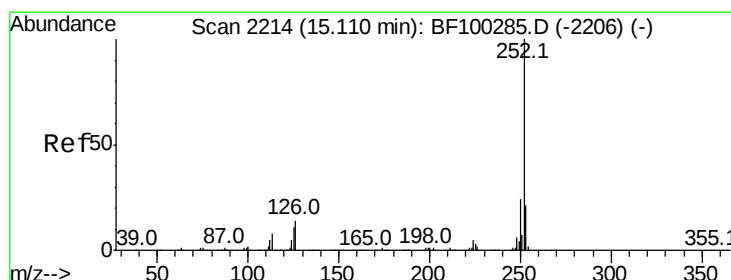
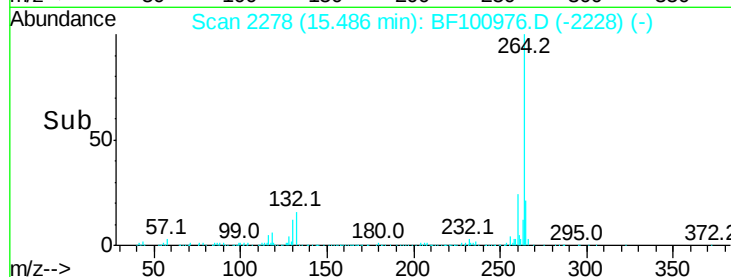
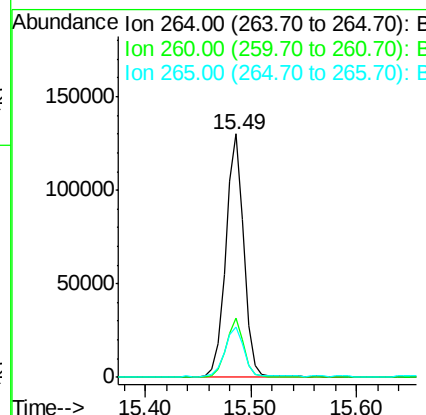
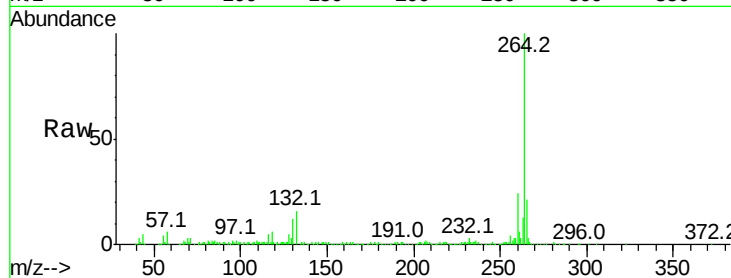




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

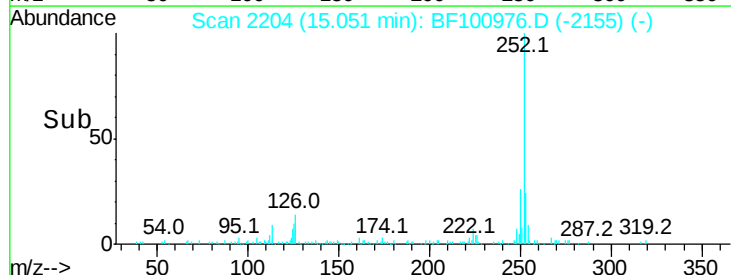
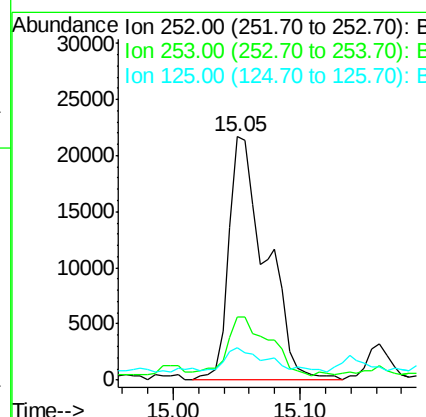
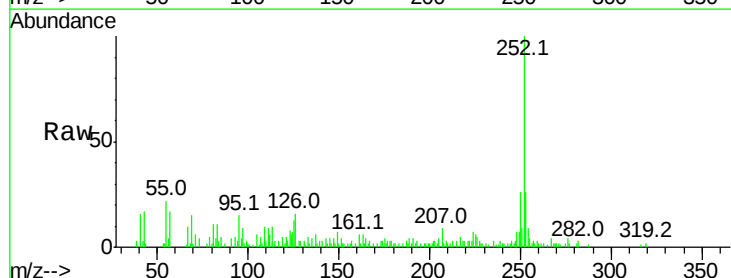
Instrument :
BNA_F
ClientSampleId :

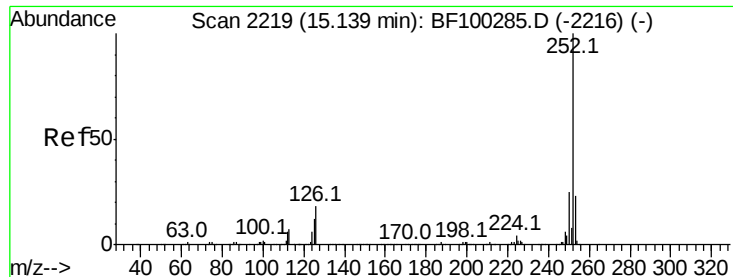
Tot Ion:264 Resp: 155491
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 20.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.801 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion:252 Resp: 44231
Ion Ratio Lower Upper
252 100
253 26.1 17.0 25.6#
125 13.3 9.0 13.6

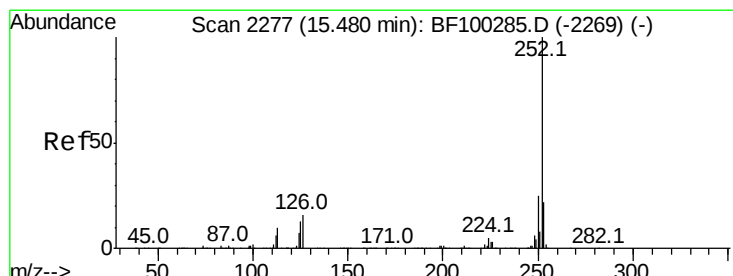
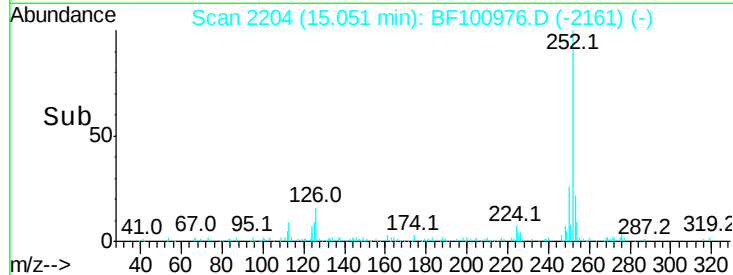
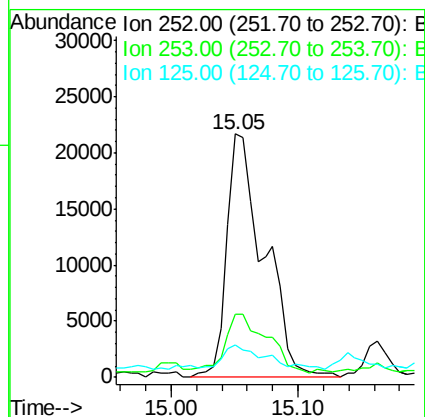
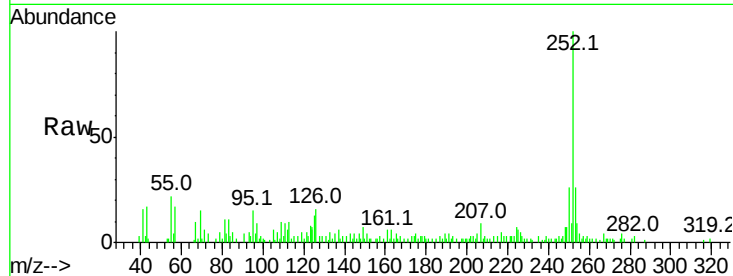




#88
Benzo(k)fluoranthene
Concen: 5.082 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.05 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

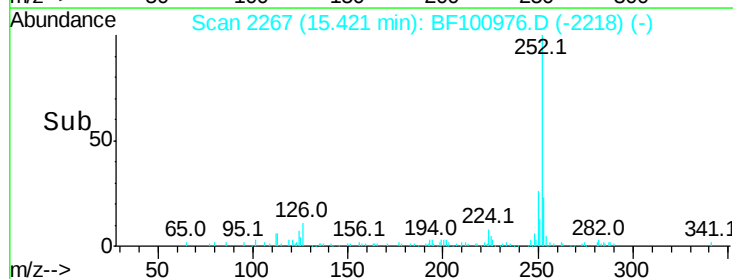
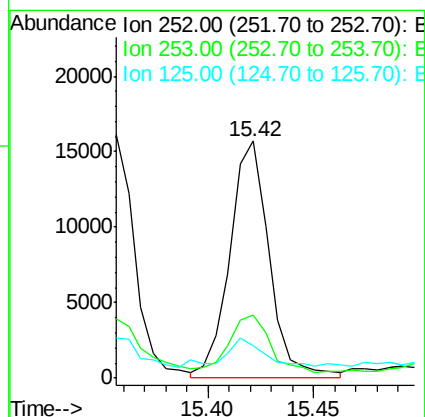
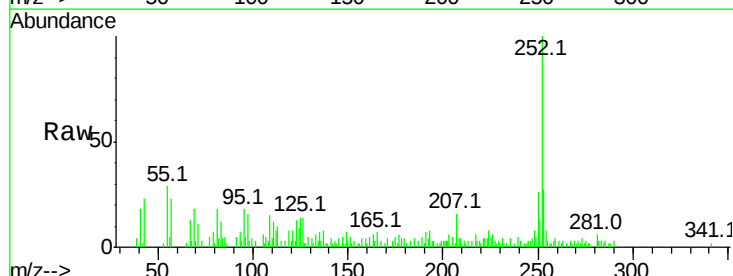
Instrument :
BNA_F
ClientSampleId :

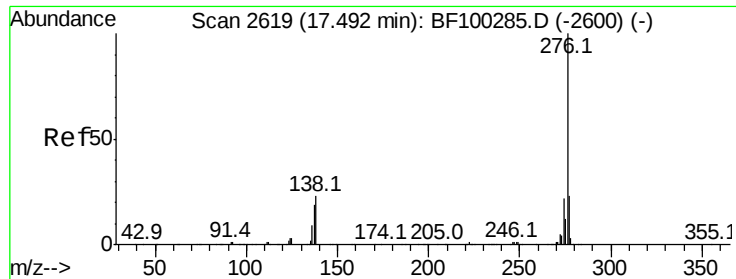
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	13.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.486 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF100976.D
Acq: 29 Nov 2017 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7#
125	13.7	9.8	14.6

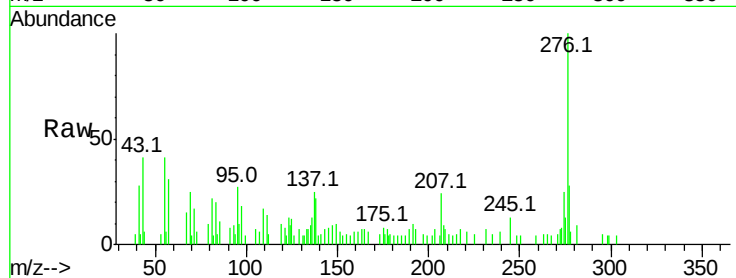




#91
 Benzo(a,h,i)perylene
 Concen: 2.521 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.02 min
 Lab File: BF100976.D
 Acq: 29 Nov 2017 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9
138	22.4	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

