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 Data File : BF100581.D
 Acq On : 15 Nov 2017 12:08
 Operator : SJ/JU
 Sample : I6307-05 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 15 13:30:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

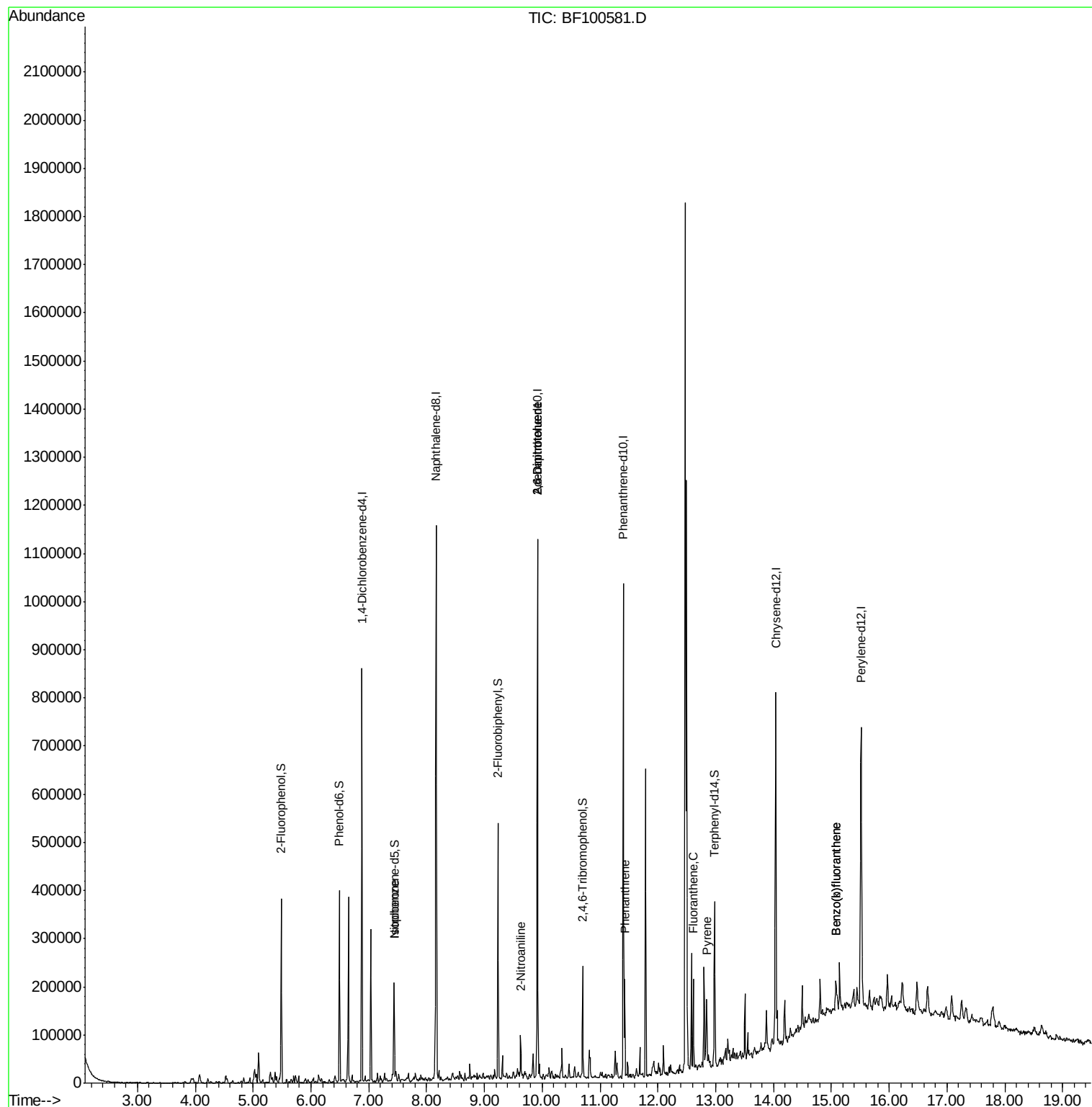
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	120479	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	471854	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	207538	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	353676	20.00	ng	0.00
75) Chrysene-d12	14.04	240	236751	20.00	ng	-0.01
86) Perylene-d12	15.52	264	269076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	91663	12.20	ng	-0.01
7) Phenol-d6	6.49	99	112836	12.17	ng	-0.02
23) Nitrobenzene-d5	7.44	82	64443	9.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	24340	11.51	ng	-0.02
44) 2-Fluorobiphenyl	9.23	172	141199	10.36	ng	-0.01
78) Terphenyl-d14	12.98	244	94894	9.21	ng	-0.01
Target Compounds						
25) Isophorone	7.44	82	64355	4.291	ng	# 65
47) 2-Nitroaniline	9.62	65	304	2.858	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	27066	8.629	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	27066	6.840	ng	# 23
70) Phenanthrene	11.43	178	77680	4.172	ng	97
74) Fluoranthene	12.61	202	70649	3.580	ng	95
77) Pyrene	12.84	202	55466	3.287	ng	98
87) Benzo(b)fluoranthene	15.07	252	40440	2.537	ng	# 89
88) Benzo(k)fluoranthene	15.07	252	40440	2.685	ng	# 91

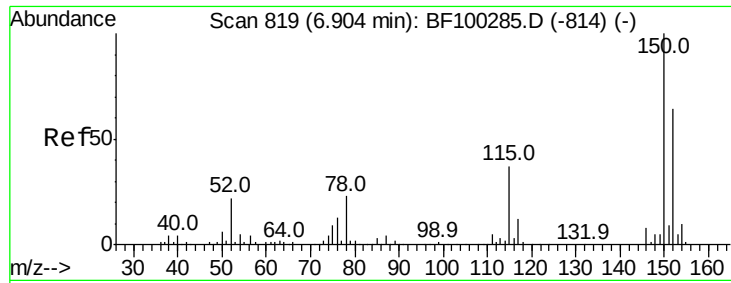
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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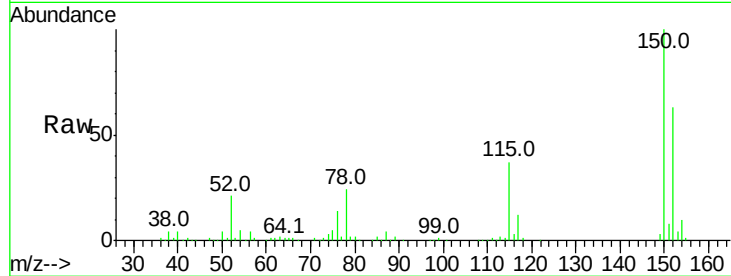


#1

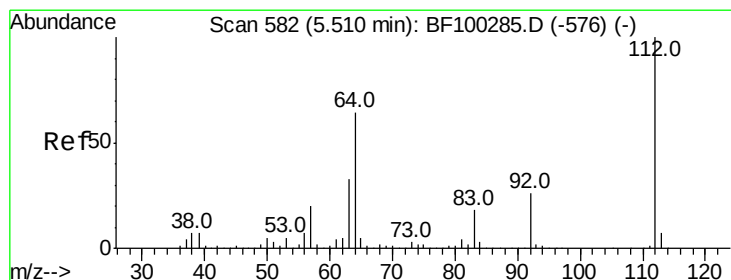
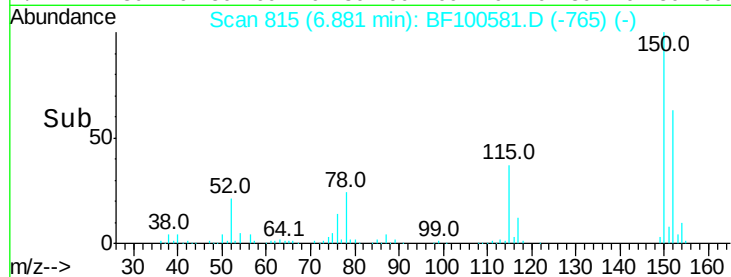
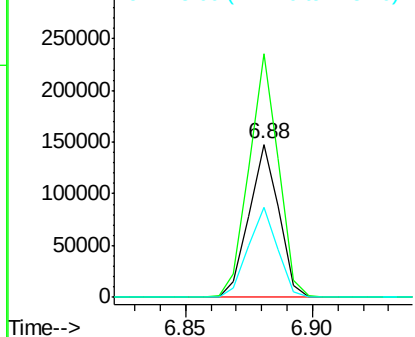
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120479
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 58.5 50.1 75.1



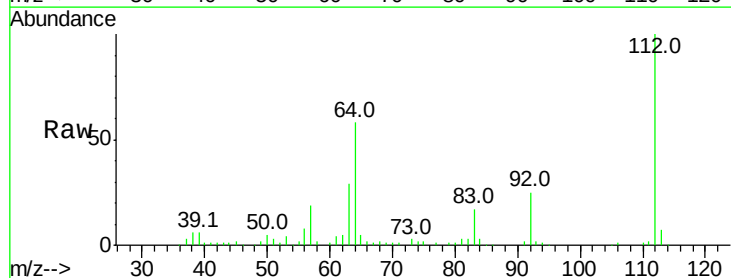
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



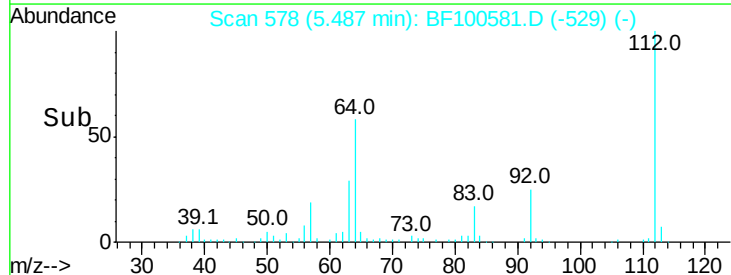
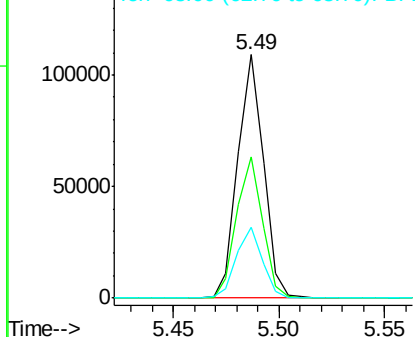
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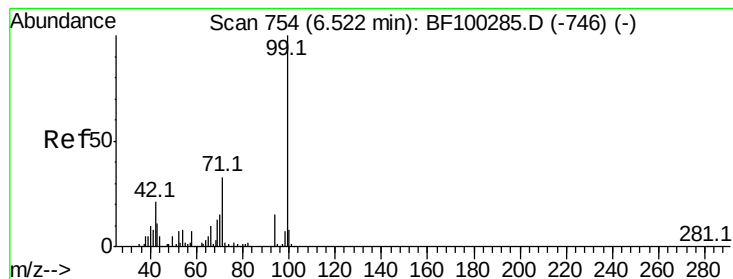
2-Fluorophenol
Concen: 12.196 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion:112 Resp: 91663
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 29.1 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: 12.175 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100581.D

Acq: 15 Nov 2017 12:08

Instrument :

BNA_F

ClientSampleId :

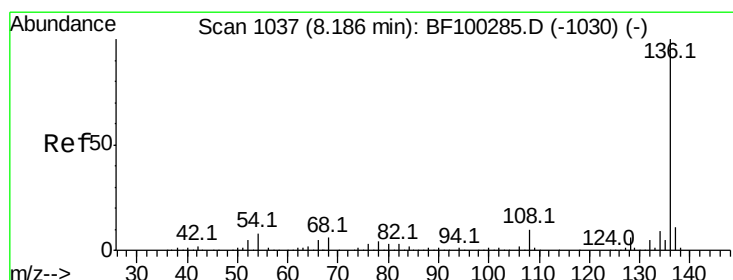
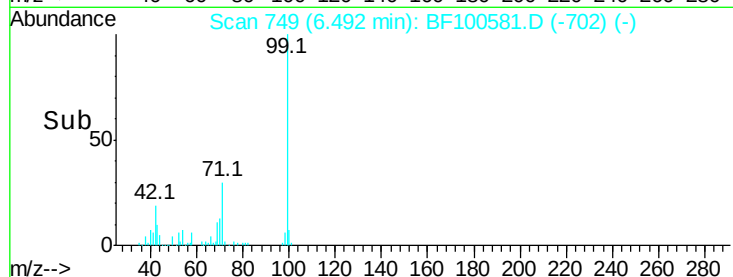
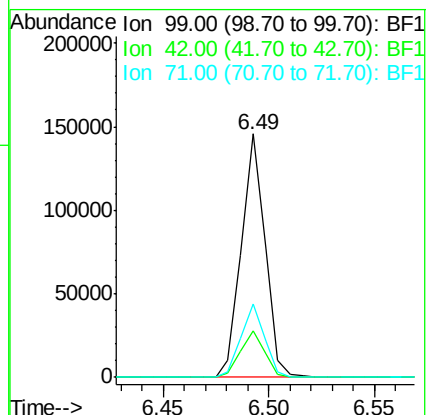
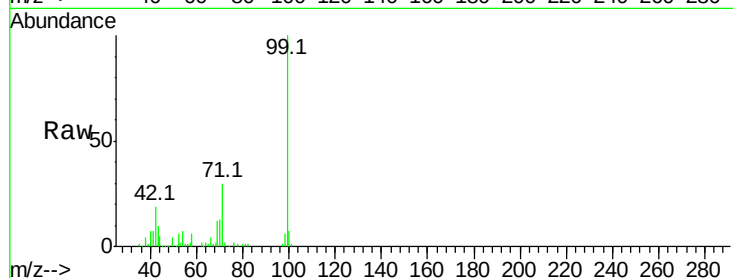
Tot Ion: 99 Resp: 112836

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 30.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100581.D

Acq: 15 Nov 2017 12:08

Tgt Ion: 136 Resp: 471854

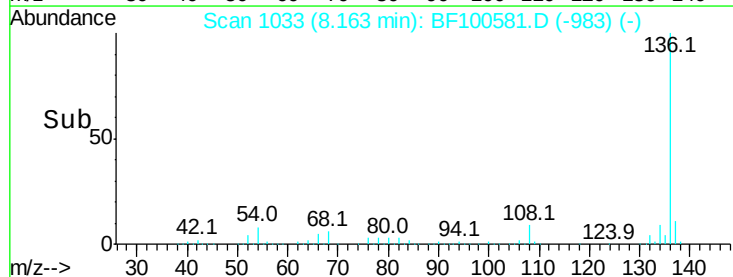
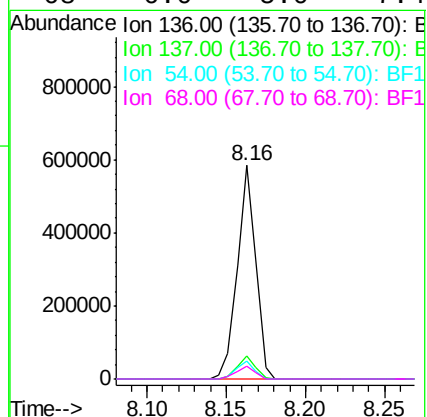
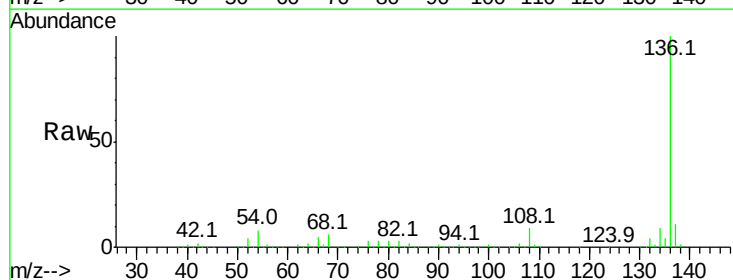
Ion Ratio Lower Upper

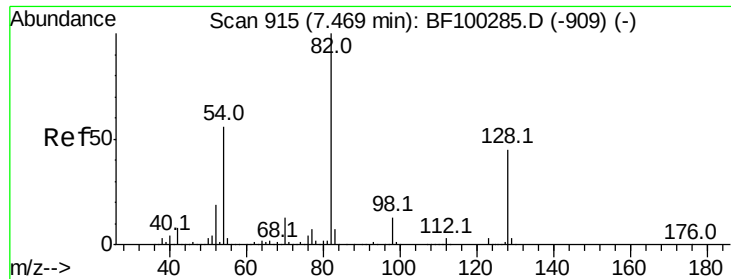
136 100

137 11.0 8.9 13.3

54 8.4 6.6 9.8

68 6.0 5.0 7.4

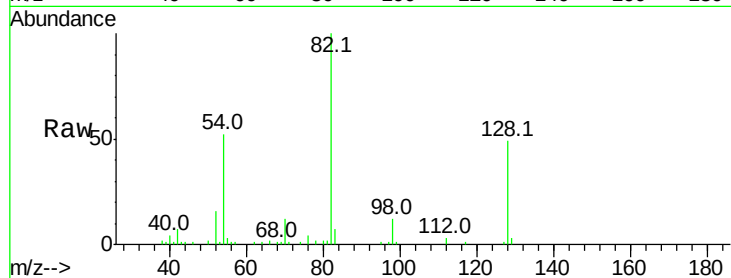




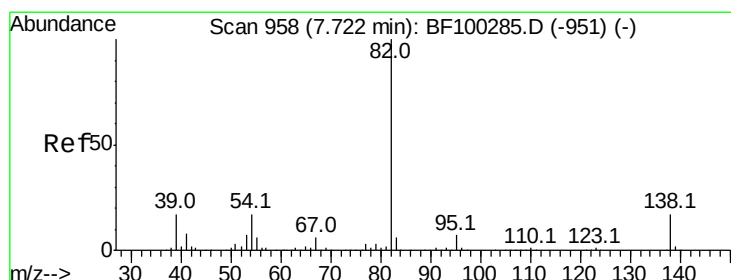
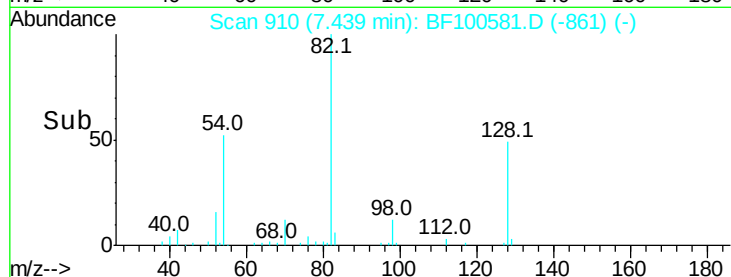
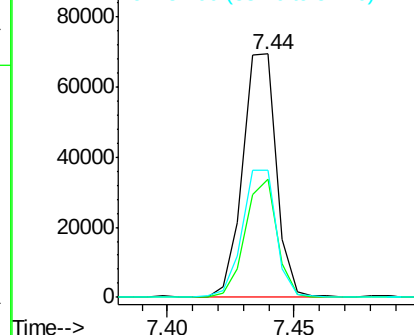
#23
Nitrobenzene-d5
Concen: 9.029 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	64443
Ion Ratio	Lower	Upper	
82	100		
128	48.6	36.1	54.1
54	52.3	41.4	62.2

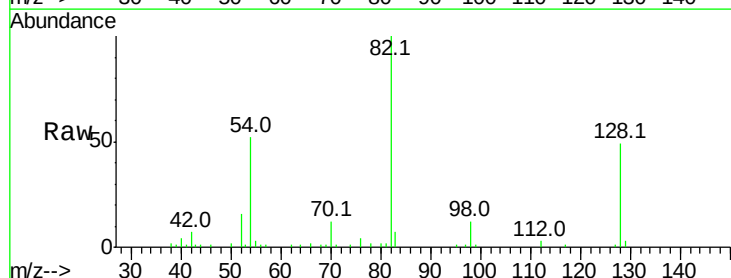


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

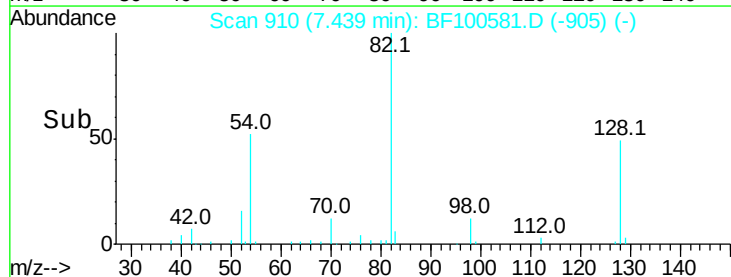
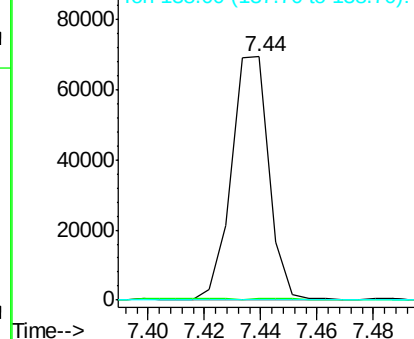


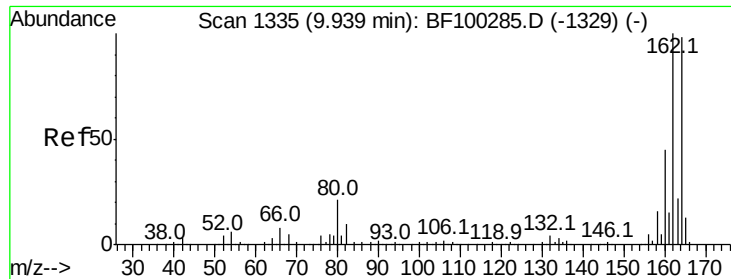
#25
Isophorone
Concen: 4.291 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.27 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion	82	Resp	64355
Ion Ratio	Lower	Upper	
82	100		
95	0.6	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

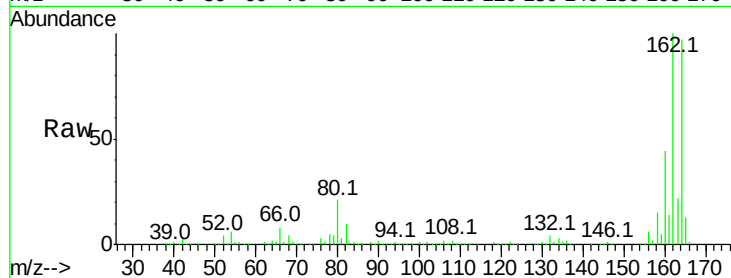




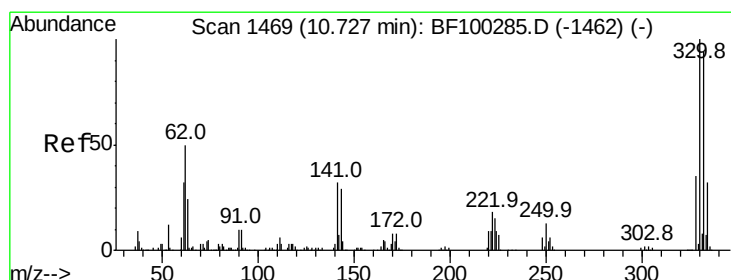
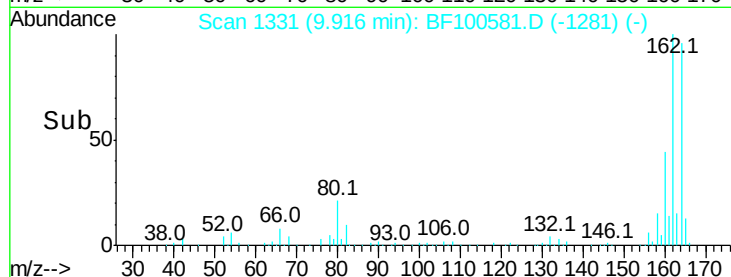
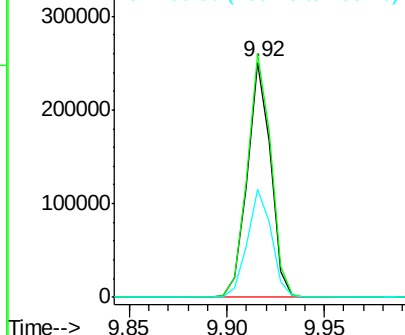
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 207538
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 46.0 38.3 57.5

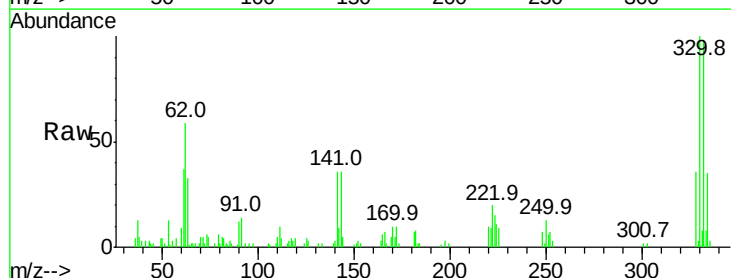


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

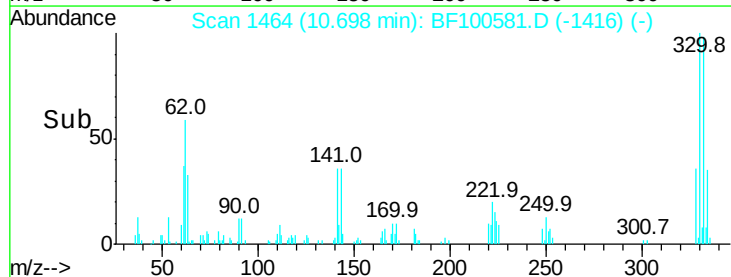
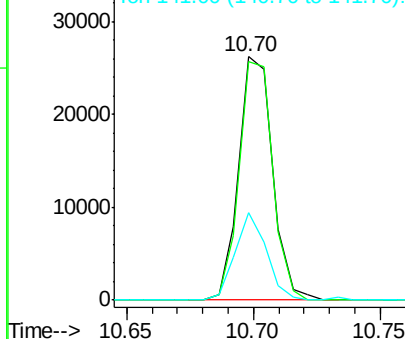


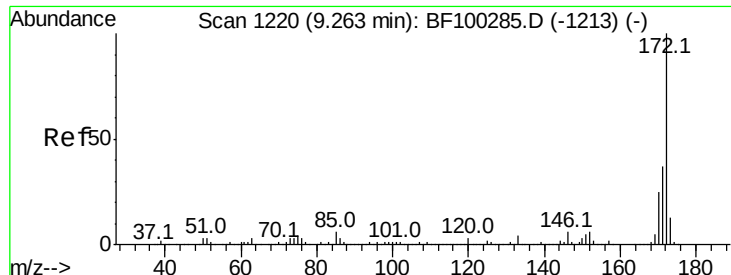
#41
2,4,6-Tribromophenol
Concen: 11.509 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion:330 Resp: 24340
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 33.2 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

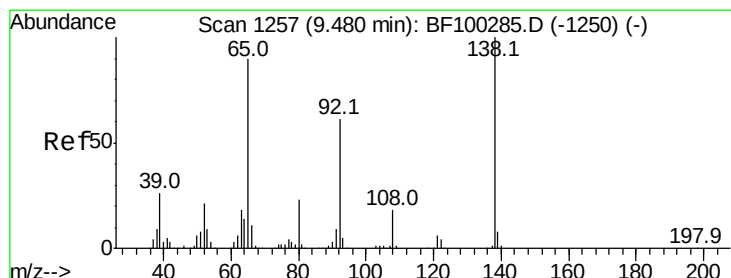
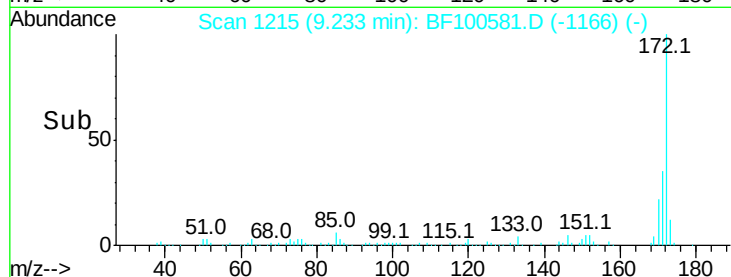
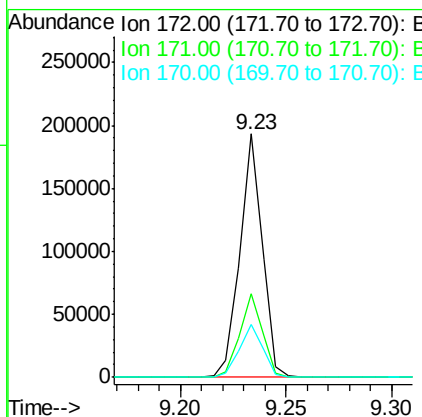
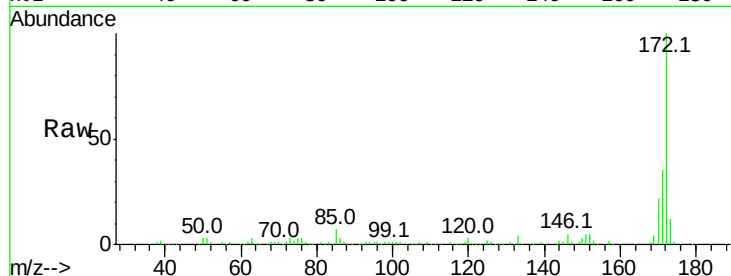




#44
2-Fluorobiphenyl
Concen: 10.360 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

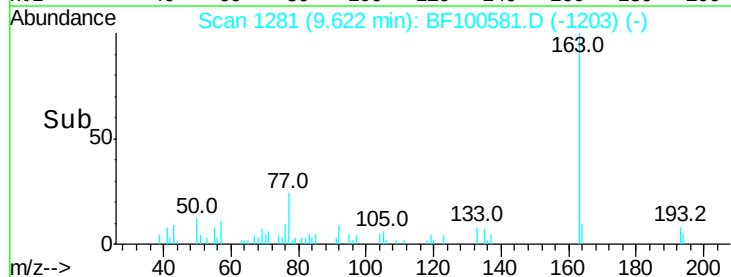
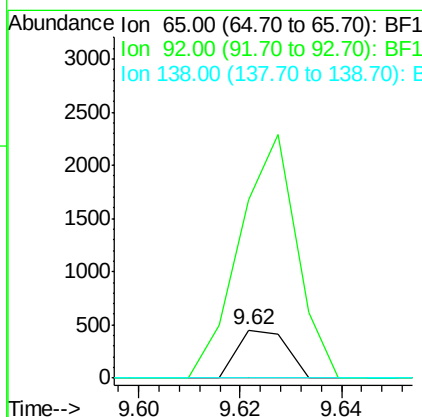
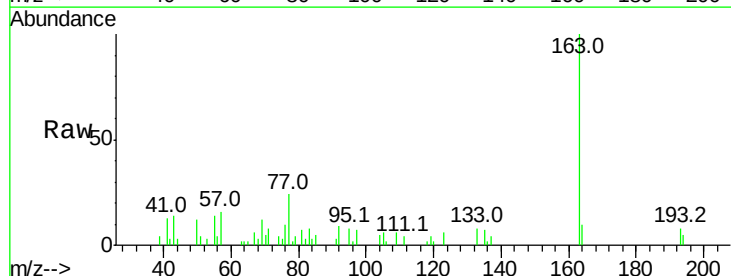
Instrument :
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ClientSampleId :

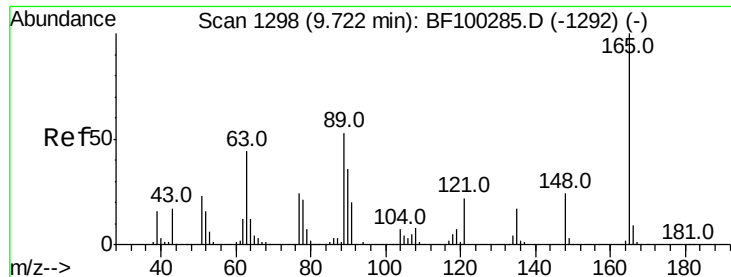
Tot Ion:172 Resp: 141199
Ion Ratio Lower Upper
172 100
171 34.5 29.7 44.5
170 21.8 19.6 29.4



#47
2-Nitroaniline
Concen: 2.858 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.16 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion: 65 Resp: 304
Ion Ratio Lower Upper
65 100
92 370.5 55.8 83.6#
138 0.0 91.2 136.8#

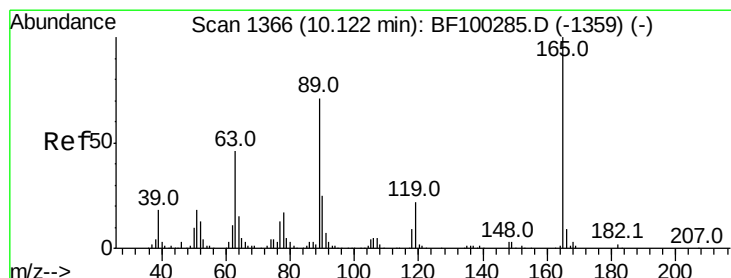
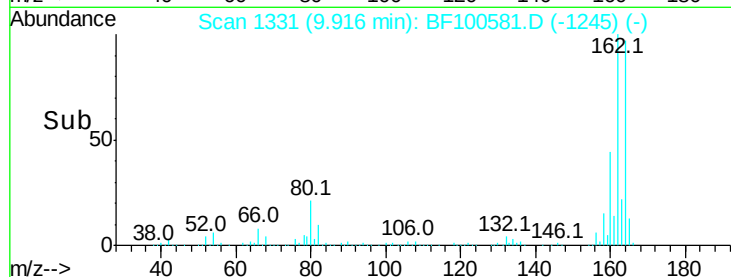
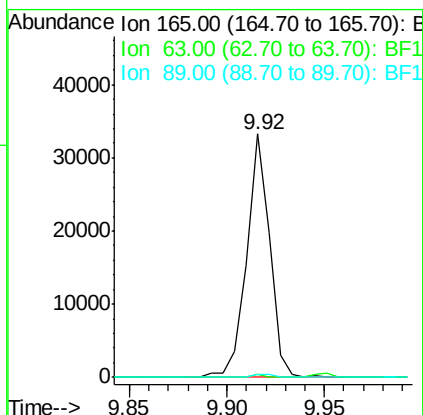
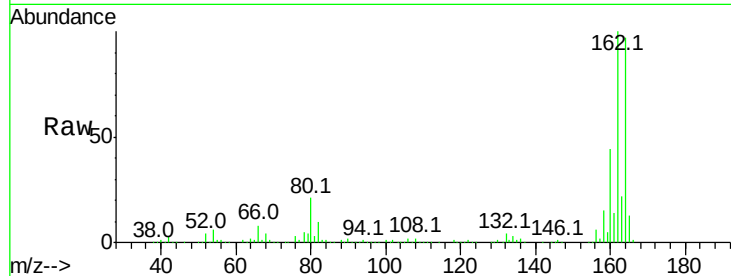




#50
 2,6-Dinitrotoluene
 Concen: 8.629 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100581.D
 Acq: 15 Nov 2017 12:08

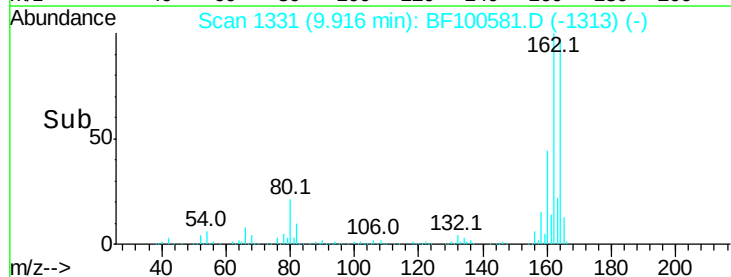
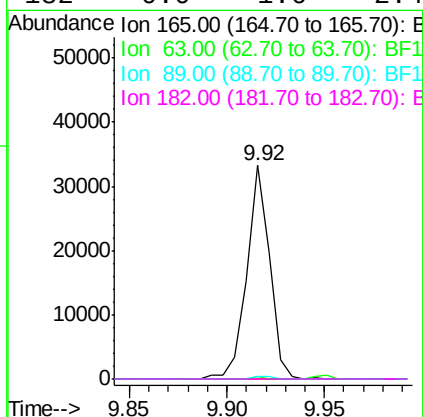
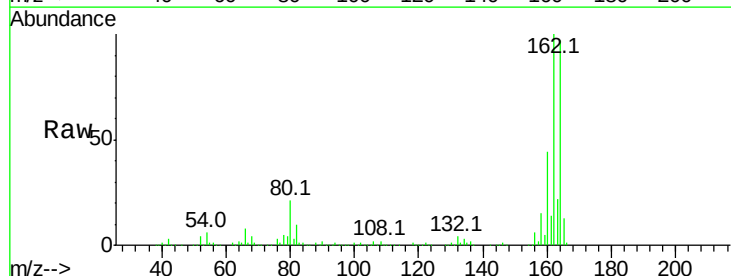
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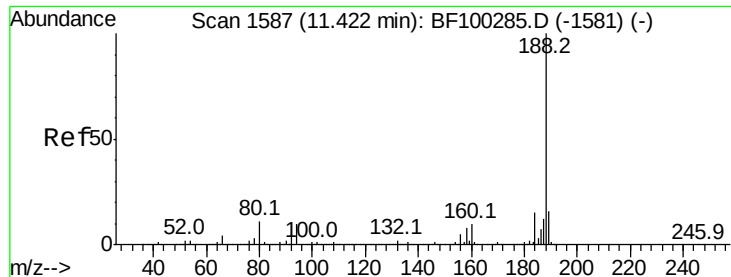
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.840 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100581.D
 Acq: 15 Nov 2017 12:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

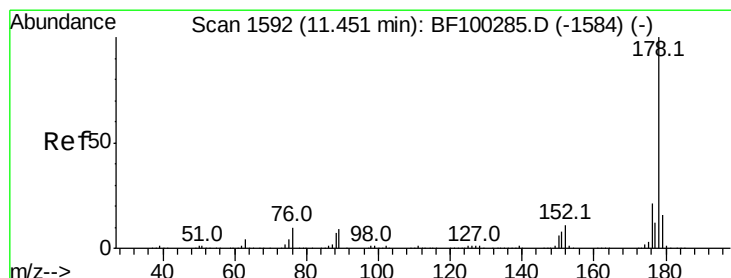
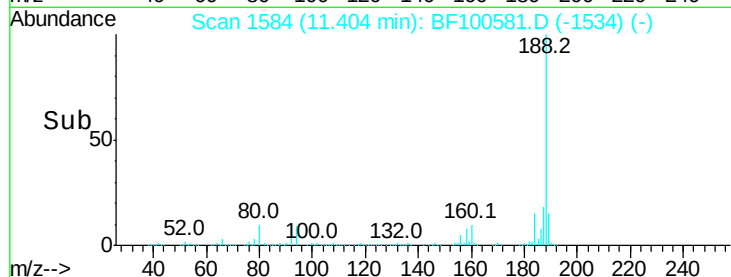
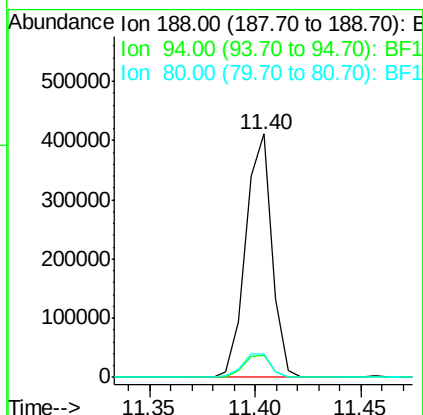
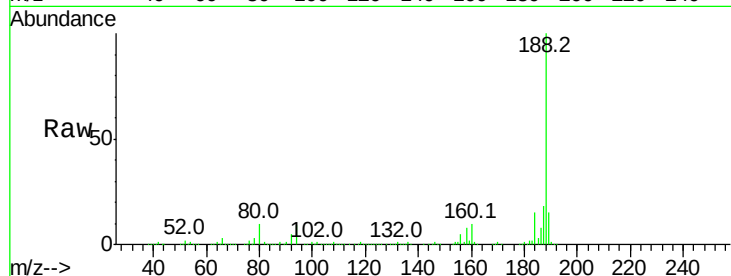




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

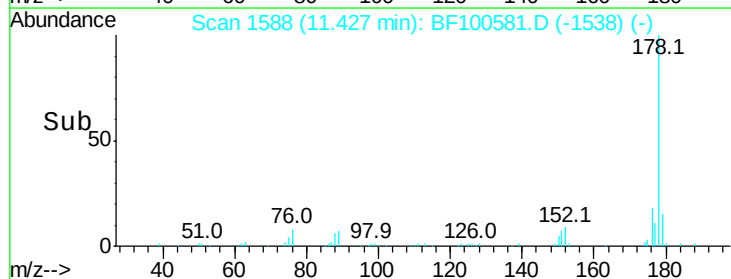
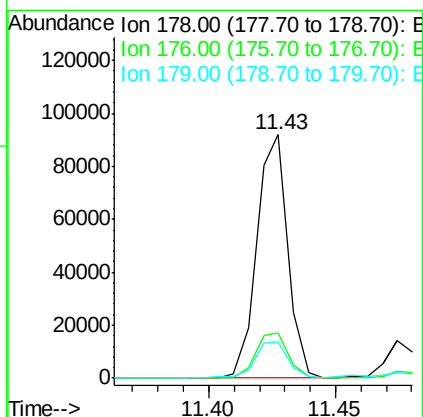
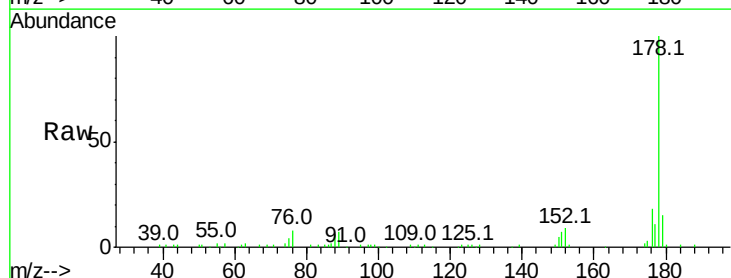
Instrument :
BNA_F
ClientSampled :

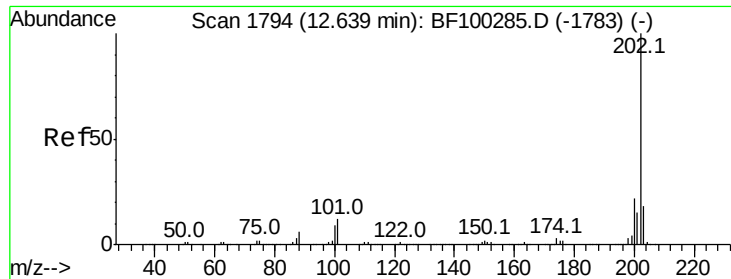
Tot Ion:188 Resp: 353676
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.7 9.2 13.8



#70
Phenanthrene
Concen: 4.172 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion:178 Resp: 77680
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.1 13.0 19.6

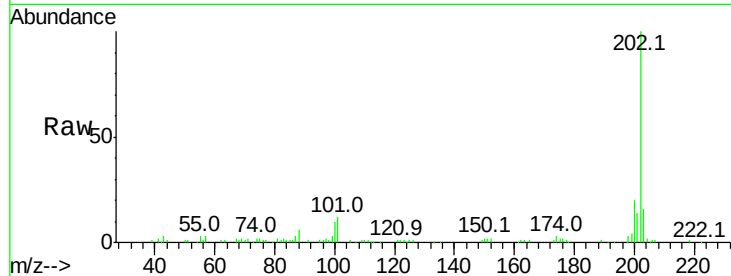




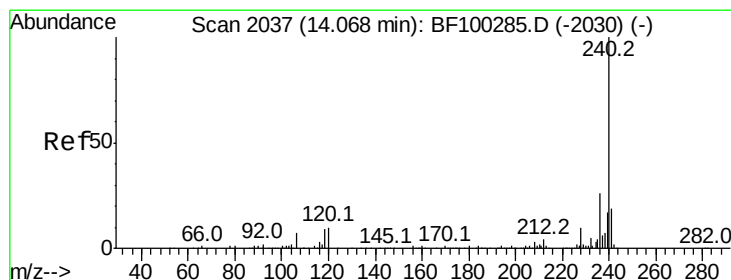
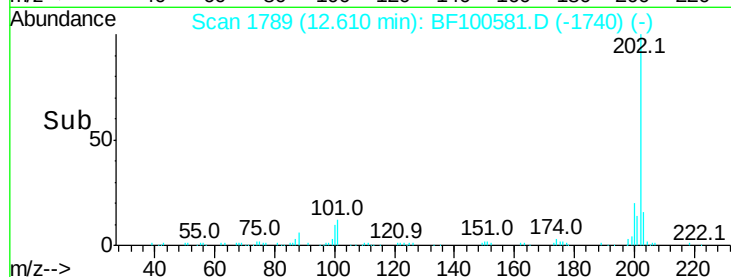
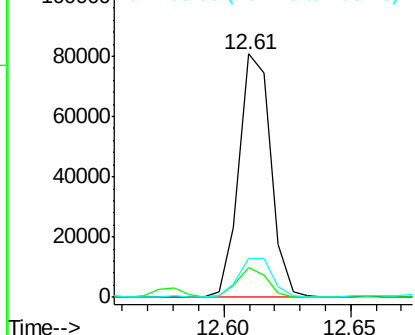
#74
Fluoranthene
Concen: 3.580 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 70649
Ion Ratio Lower Upper
202 100
101 12.0 0.0 34.1
203 15.9 0.0 38.1

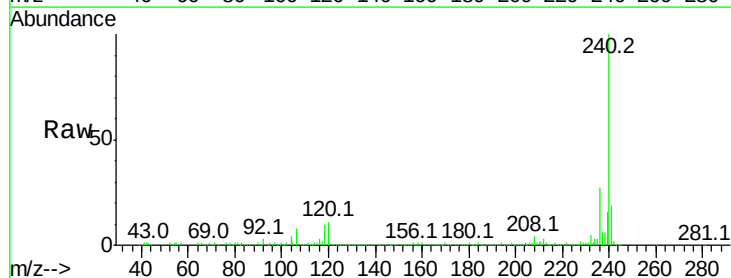


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

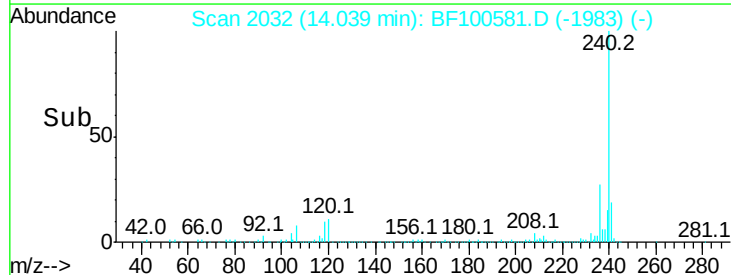
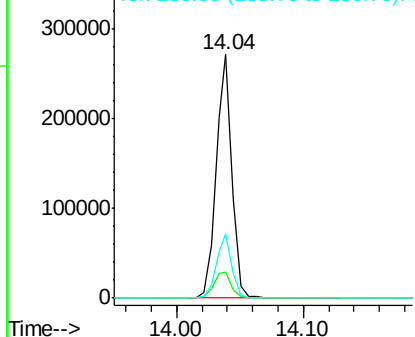


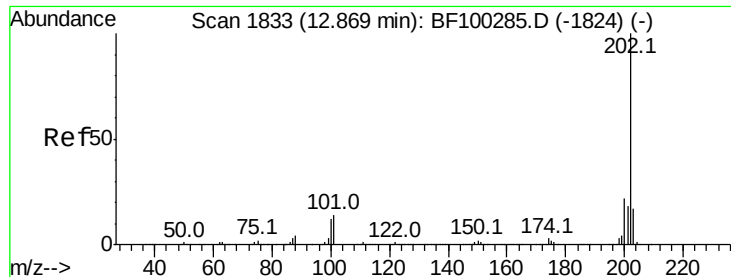
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion:240 Resp: 236751
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 26.5 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: 3.287 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100581.D

Acq: 15 Nov 2017 12:08

Instrument :

BNA_F

ClientSampleId :

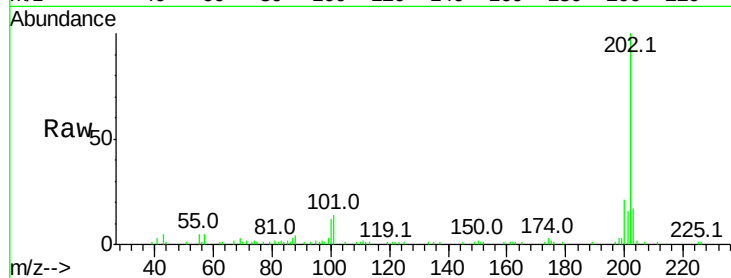
Tot Ion:202 Resp: 55466

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

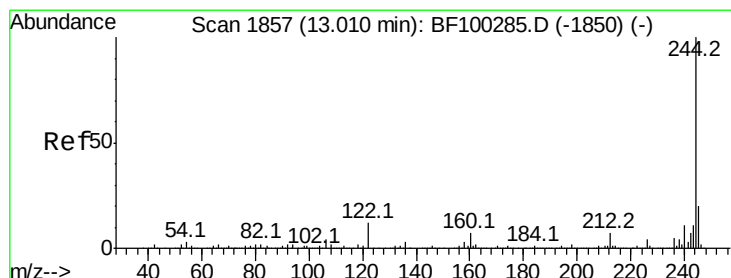
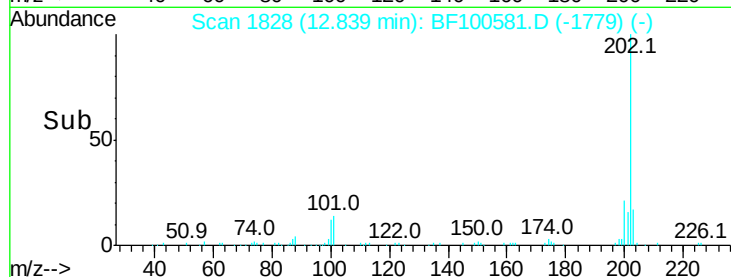
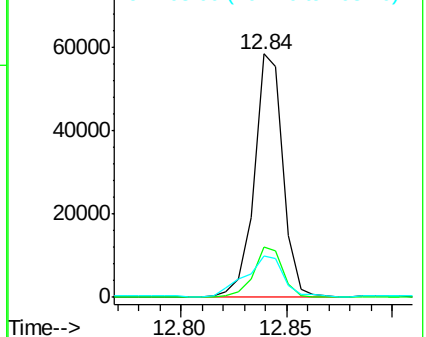
203 17.2 14.3 21.5



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: 9.210 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100581.D

Acq: 15 Nov 2017 12:08

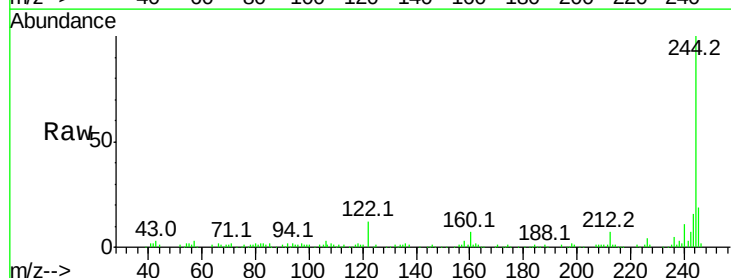
Tgt Ion:244 Resp: 94894

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

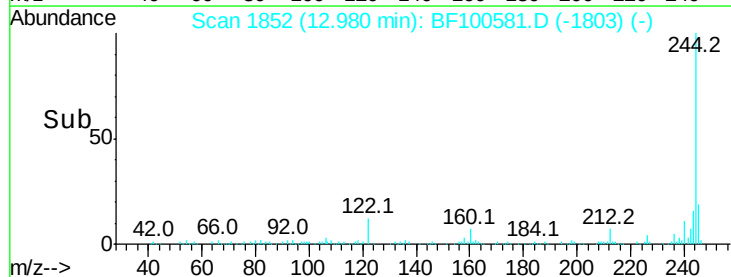
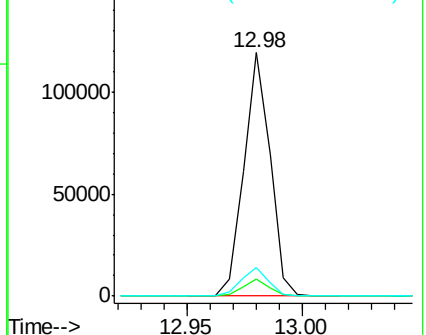
122 11.5 11.0 16.4

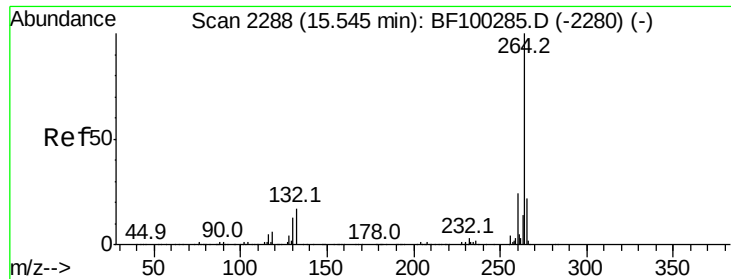


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

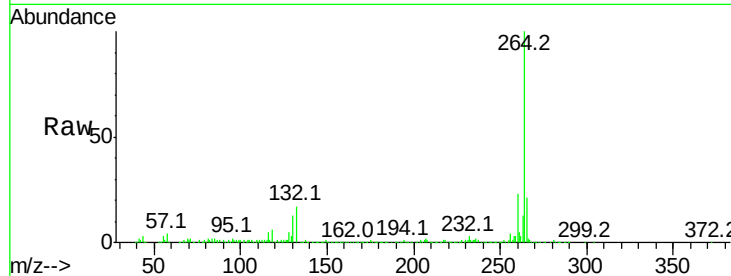




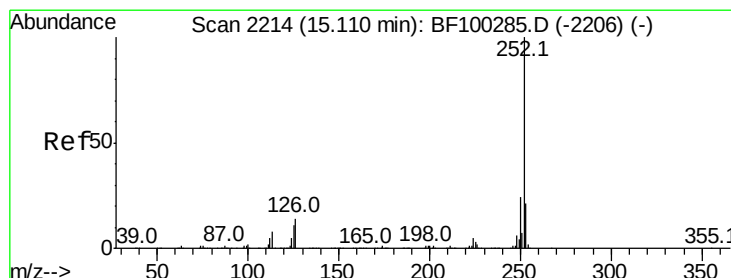
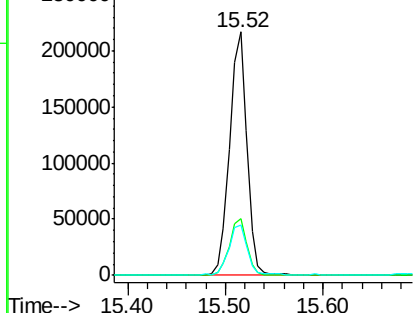
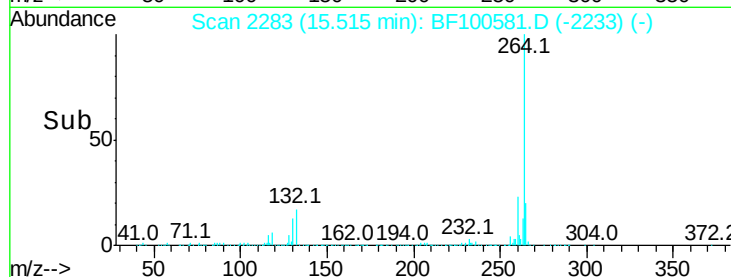
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.6	17.5	26.3

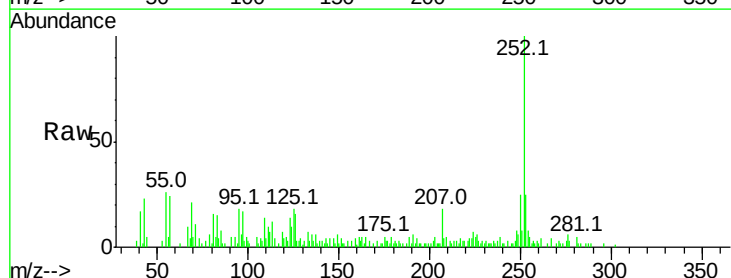


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

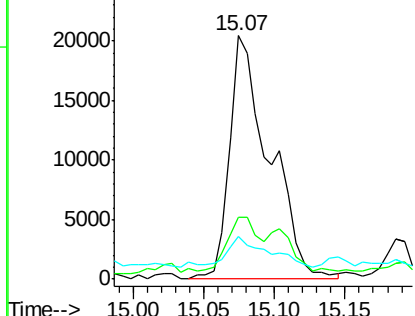
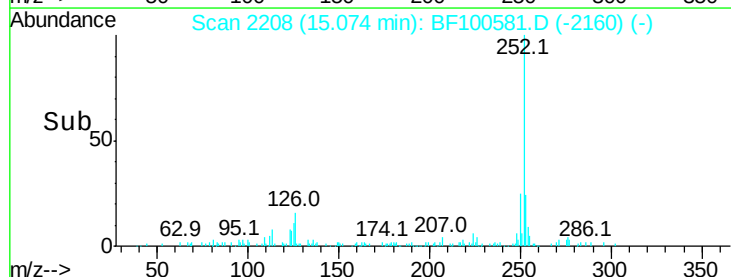


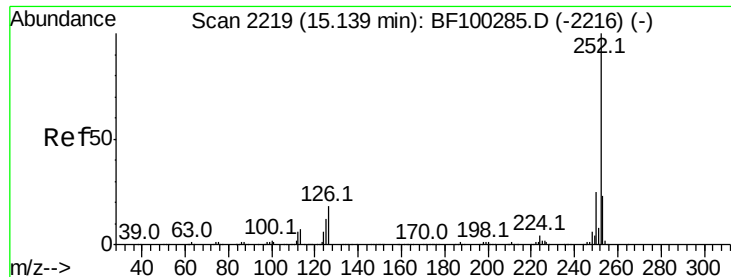
#87
Benzo(b)fluoranthene
Concen: 2.537 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF100581.D
Acq: 15 Nov 2017 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	17.6	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

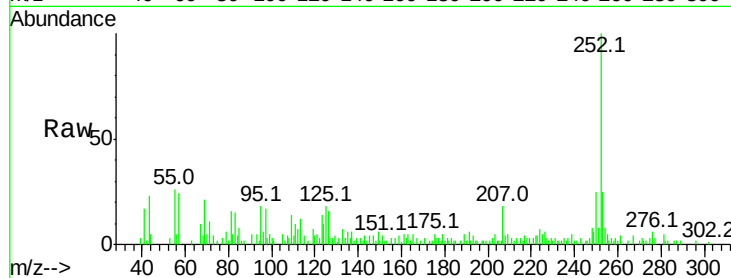




#88
 Benzo(k)fluoranthene
 Concen: 2.685 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.05 min
 Lab File: BF100581.D
 Acq: 15 Nov 2017 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	17.6	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

