

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102314.D
 Acq On : 22 Jan 2018 22:04
 Operator : SJ/JU
 Sample : J1238-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:11:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127145	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	516997	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	218418	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	329285	20.00	ng	0.00
75) Chrysene-d12	13.87	240	244745	20.00	ng	0.00
86) Perylene-d12	15.30	264	200458	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	916980	109.35	ng	0.00
7) Phenol-d6	6.36	99	1100337	108.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	660794	73.45	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	205114	94.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1031513	69.44	ng	0.00
78) Terphenyl-d14	12.82	244	718728	66.20	ng	0.00

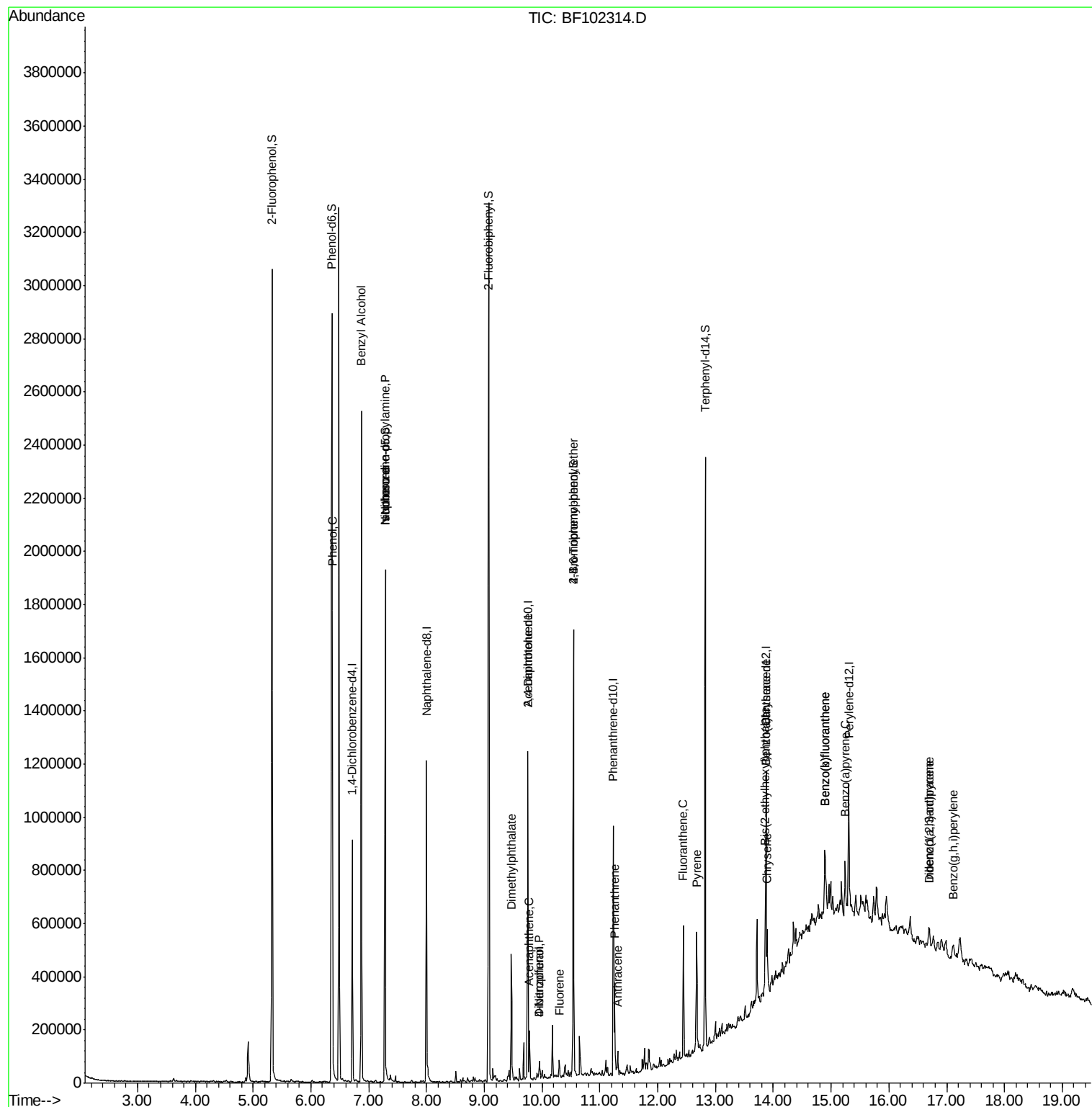
Target Compounds				Qvalue		
10) Phenol	6.37	94	45474	4.120	ng	96
15) Benzyl Alcohol	6.87	79	11118	1.559	ng	# 46
19) n-Nitroso-di-n-propylamine	7.29	70	90476	14.624	ng	# 77
25) Isophorone	7.29	82	654447	40.805	ng	# 64
49) Dimethylphthalate	9.47	163	167485	9.277	ng	100
51) Acenaphthene	9.78	154	34159	2.473	ng	99
54) Dibenzofuran	9.96	168	20425	1.093	ng	99
55) 4-Nitrophenol	9.96	139	7587	2.496	ng	# 11
56) 2,4-Dinitrotoluene	9.75	165	28644	5.984	ng	# 23
57) Fluorene	10.30	166	15862	1.071	ng	91
66) 4-Bromophenyl-phenylether	10.54	248	13571	3.828	ng	# 1
70) Phenanthrene	11.26	178	107363	5.595	ng	98
71) Anthracene	11.31	178	30006	1.532	ng	95
74) Fluoranthene	12.44	202	183421	9.374	ng	99
77) Pyrene	12.67	202	171166	9.045	ng	98
80) Benzo(a)anthracene	13.86	228	97385	6.463	ng	98
82) Chrysene	13.90	228	85071	5.560	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	16189	1.279	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.69	276	41383	3.275	ng	95
87) Benzo(b)fluoranthene	14.89	252	143838	11.071	ng	# 89
88) Benzo(k)fluoranthene	14.89	252	143838	11.718	ng	# 91
89) Benzo(a)pyrene	15.24	252	73016	6.231	ng	# 92
90) Dibenzo(a,h)anthracene	16.70	278	10794	1.137	ng	# 50
91) Benzo(g,h,i)perylene	17.12	276	38990	4.160	ng	# 85

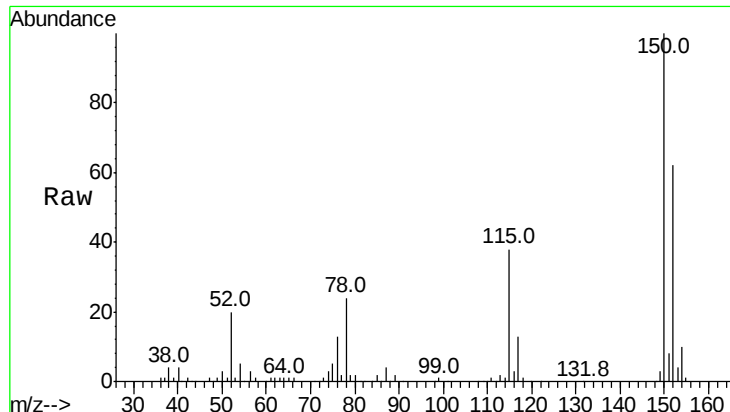
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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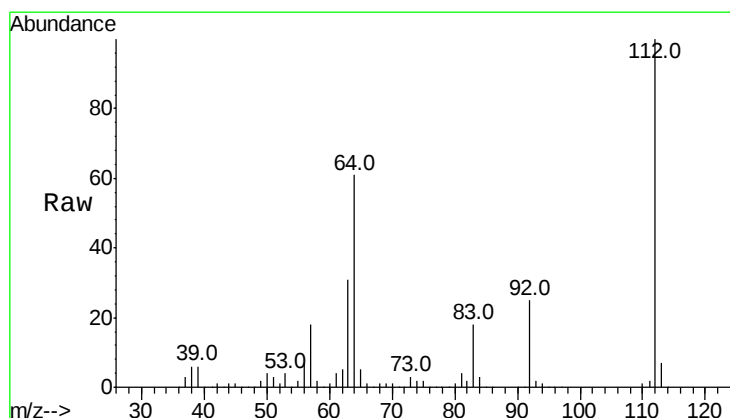
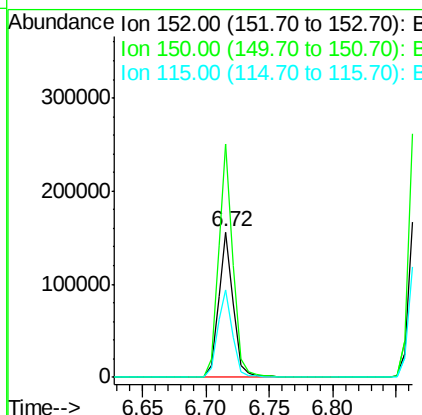
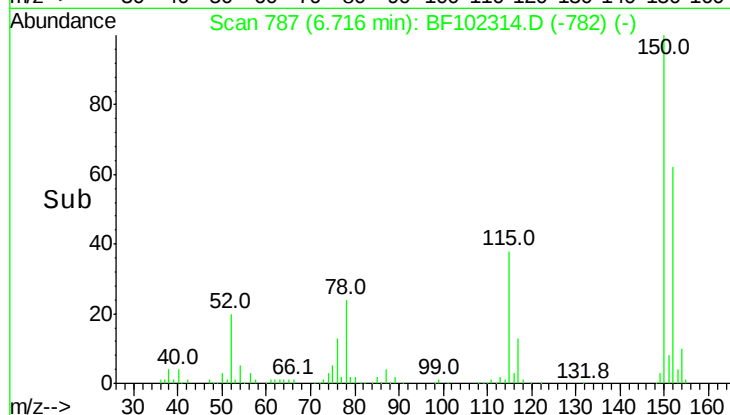


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :

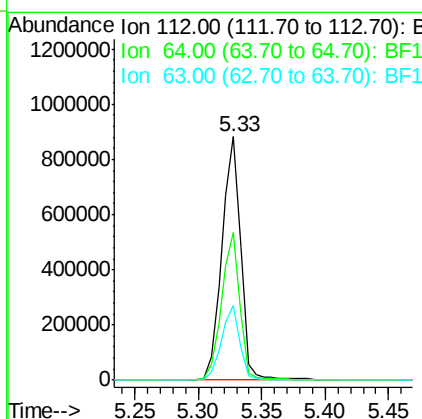
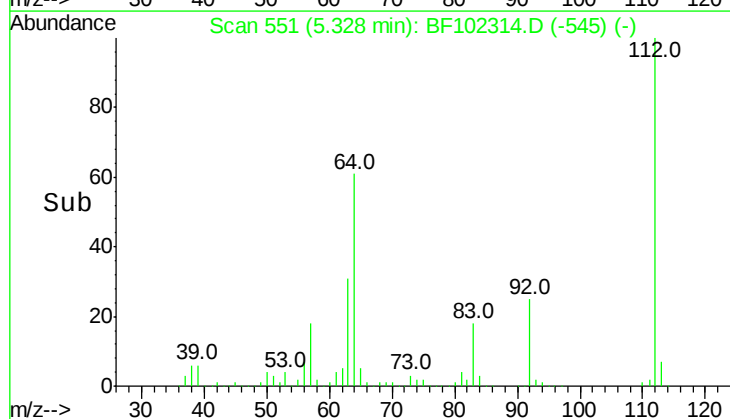
Tot Ion:152 Resp: 127145
Ion Ratio Lower Upper
152 100
150 160.8 124.6 186.8
115 60.4 50.1 75.1

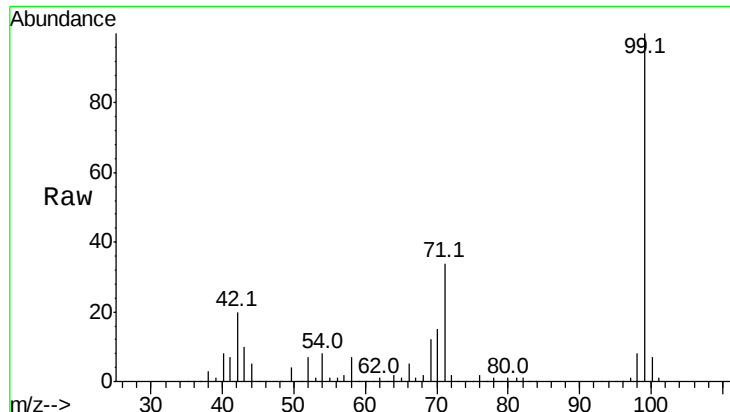


#5

2-Fluorophenol
Concen: 109.354 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:112 Resp: 916980
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 30.9 23.7 35.5





#7

Phenol-d6

Concen: 108.843 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

ClientSampleId :

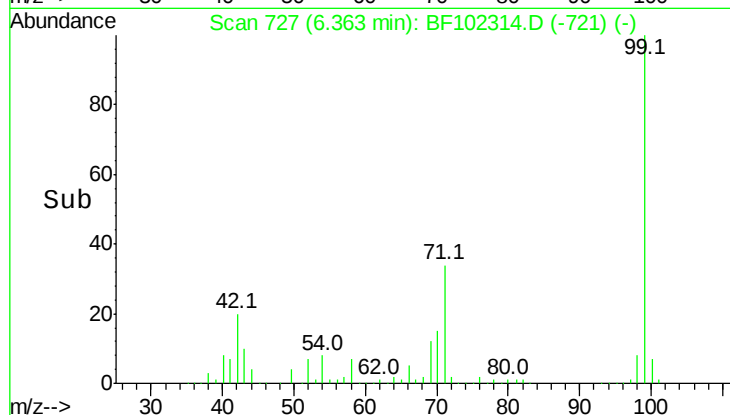
Tot Ion: 99 Resp: 1100337

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

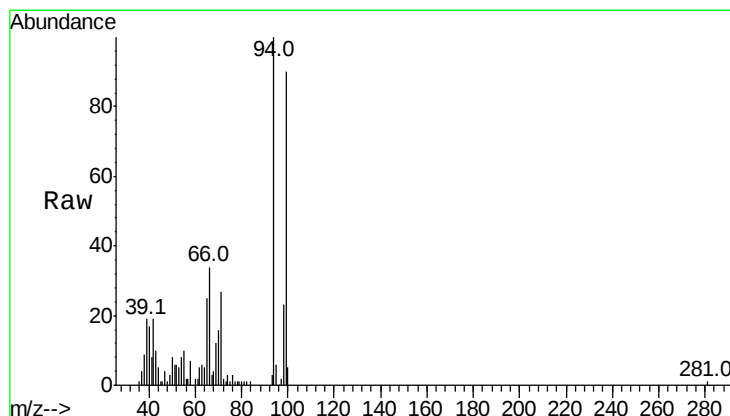
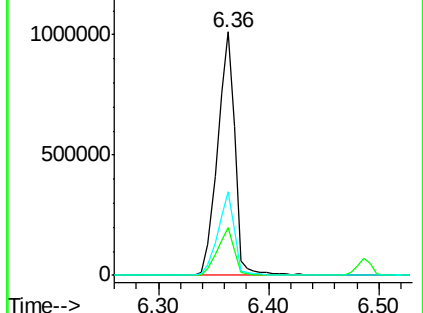
71 34.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.120 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

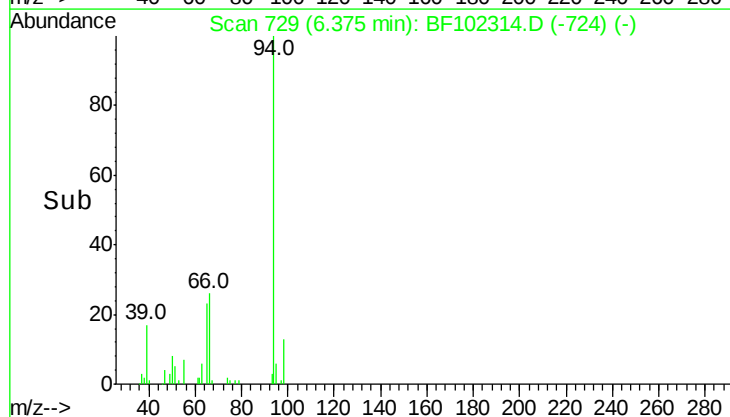
Tgt Ion: 94 Resp: 45474

Ion Ratio Lower Upper

94 100

65 24.9 7.9 47.9

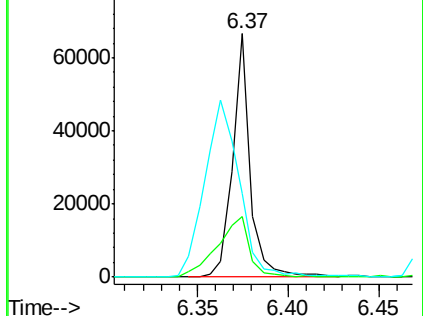
66 34.1 16.2 56.2

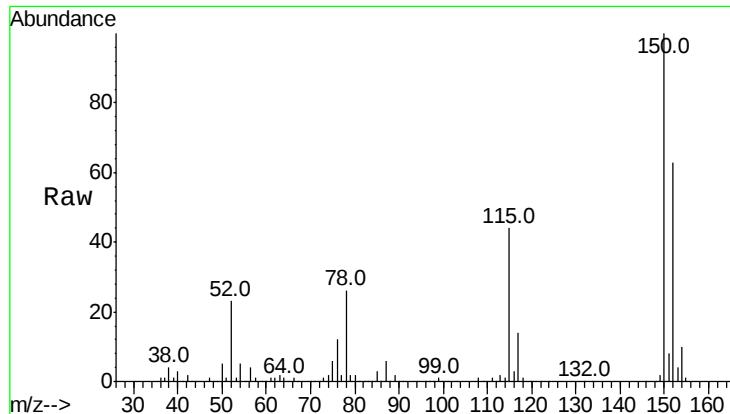


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 1.559 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

ClientSampleId :

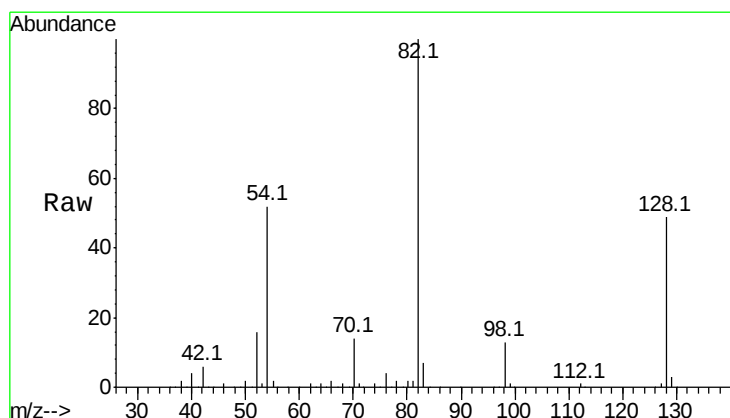
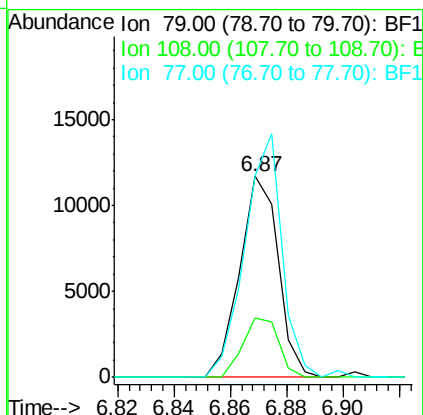
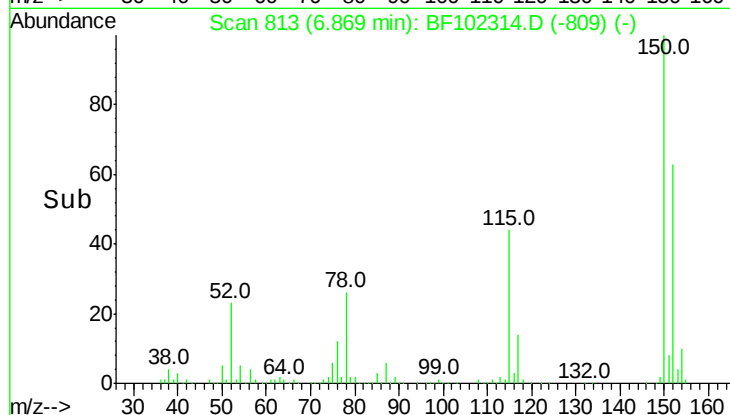
Tot Ion: 79 Resp: 11118

Ion Ratio Lower Upper

79 100

108 29.6 65.1 97.7#

77 100.4 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 14.624 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Tgt Ion: 70 Resp: 90476

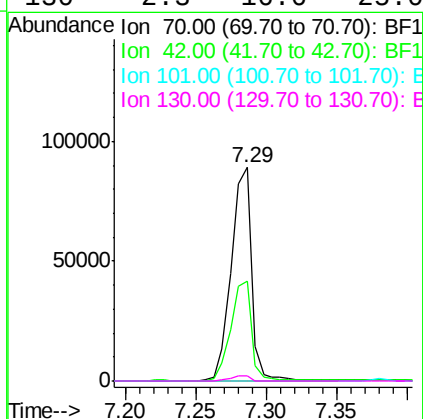
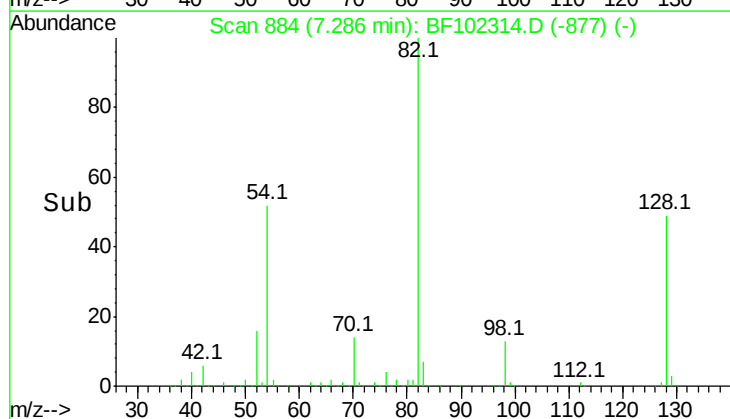
Ion Ratio Lower Upper

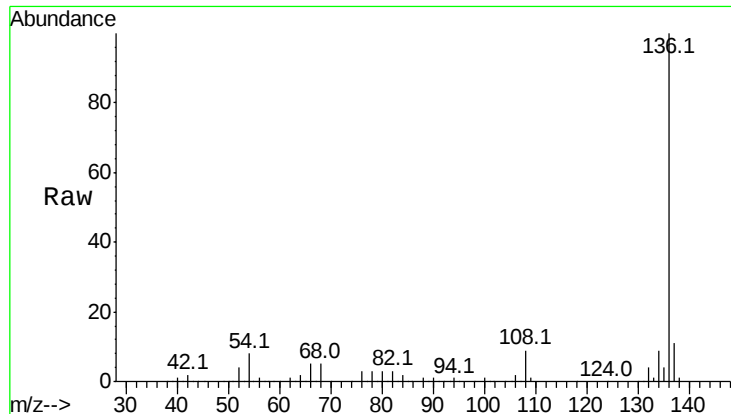
70 100

42 46.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

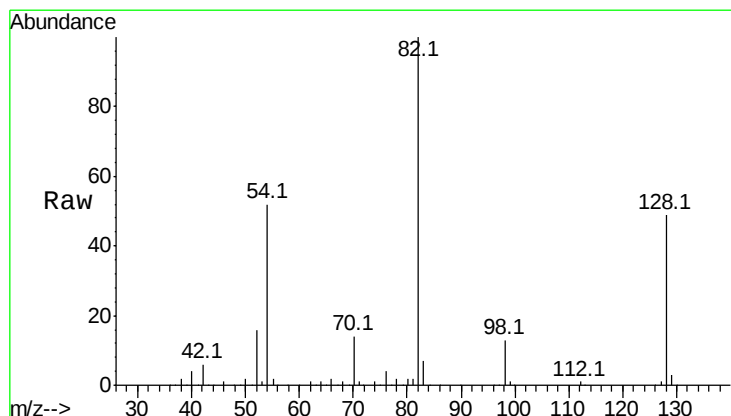
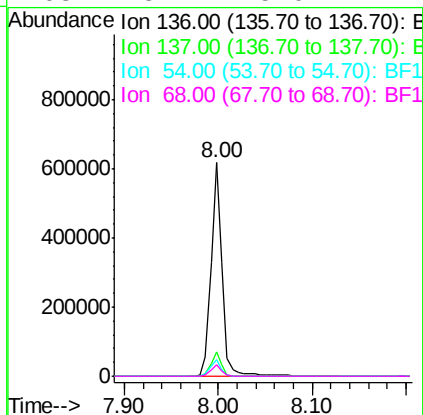
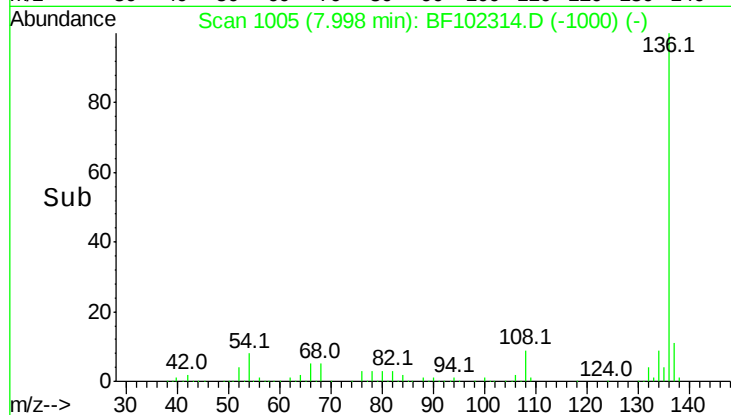




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

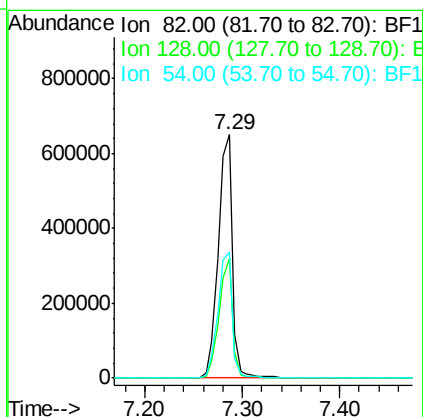
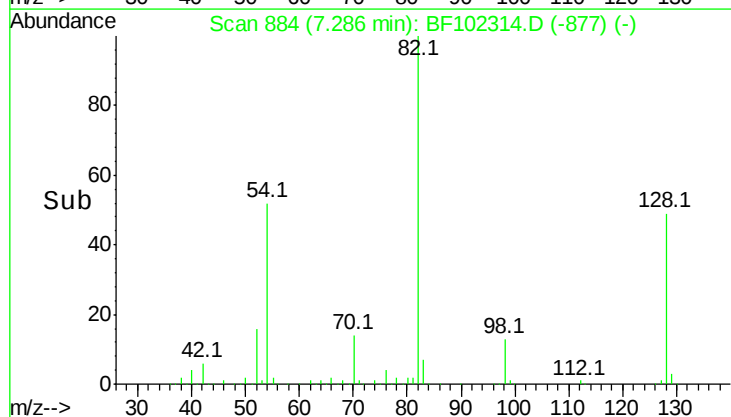
Instrument :
BNA_F
ClientSampleId :

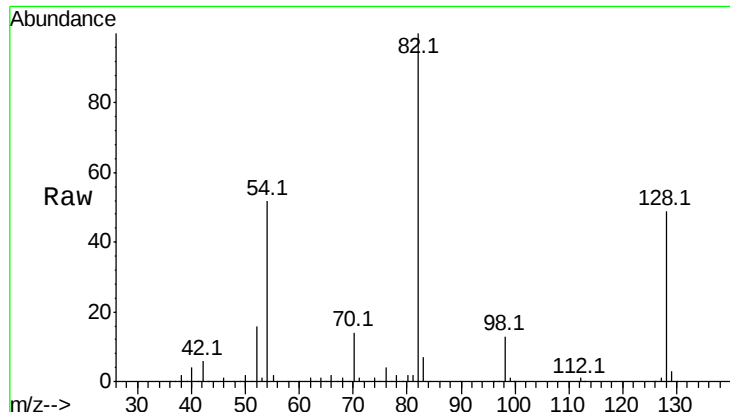
Tot Ion:136 Resp: 516997
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.8 6.6 9.8
68 5.4 5.0 7.4



#23
Nitrobenzene-d5
Concen: 73.451 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion: 82 Resp: 660794
Ion Ratio Lower Upper
82 100
128 49.0 36.1 54.1
54 51.5 41.4 62.2

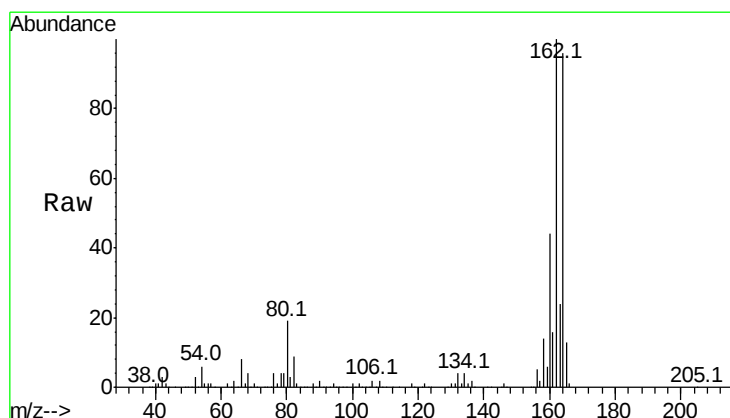
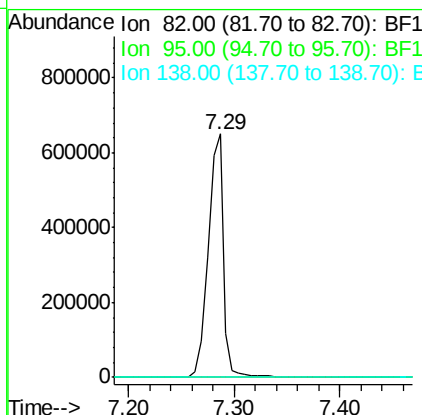
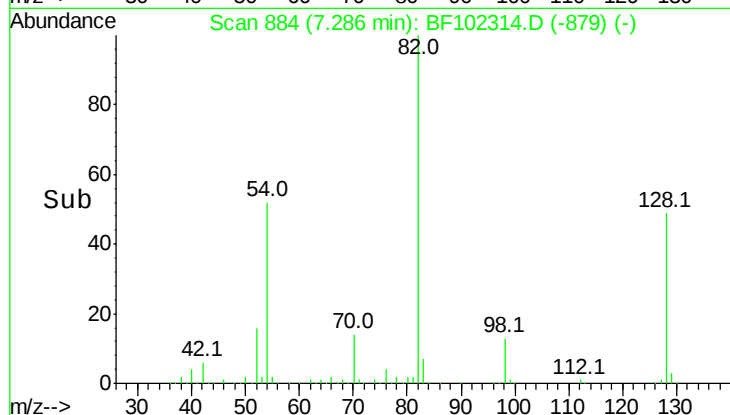




#25
Isophorone
Concen: 40.805 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

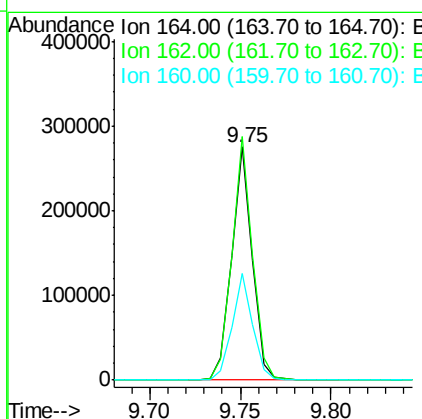
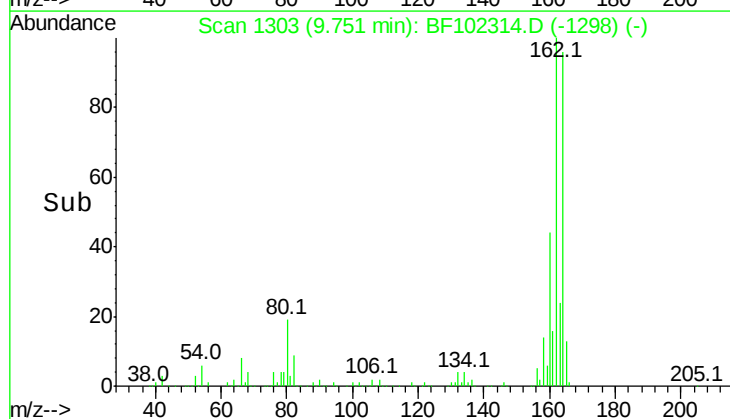
Instrument :
BNA_F
ClientSampleId :

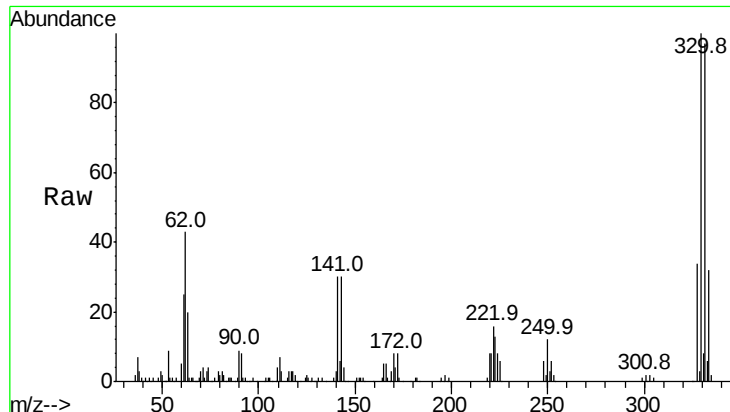
Tot Ion: 82 Resp: 654447
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:164 Resp: 218418
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 45.7 38.3 57.5

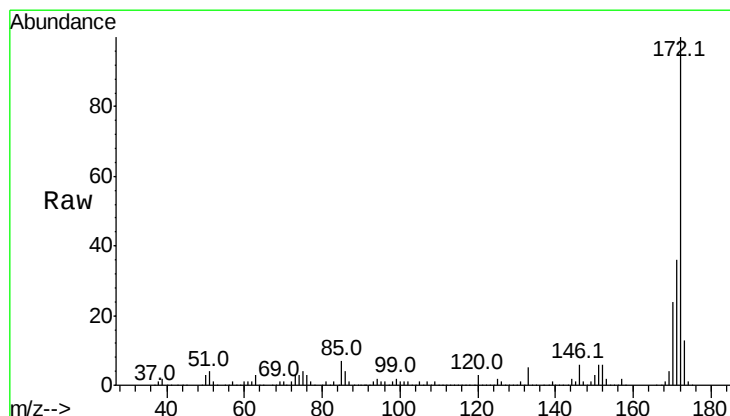
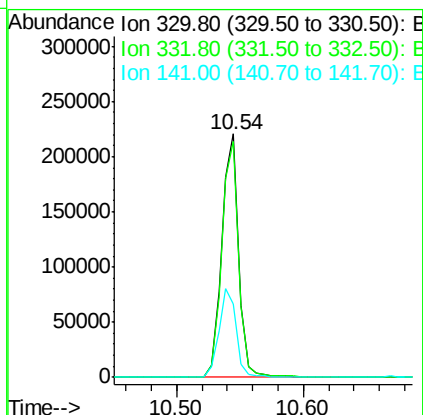
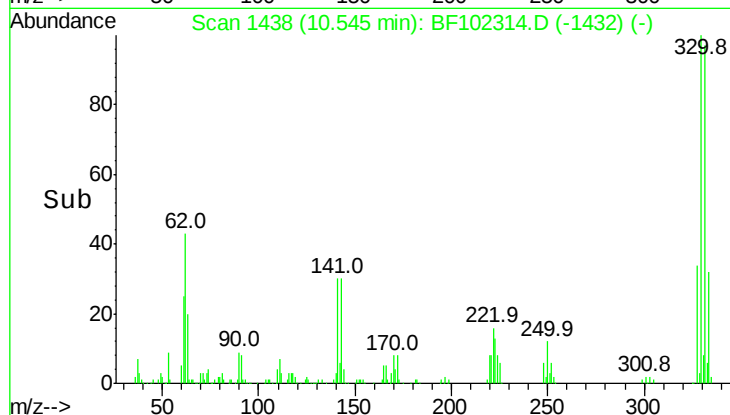




#41
 2,4,6-Tribromophenol
 Concen: 94.776 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

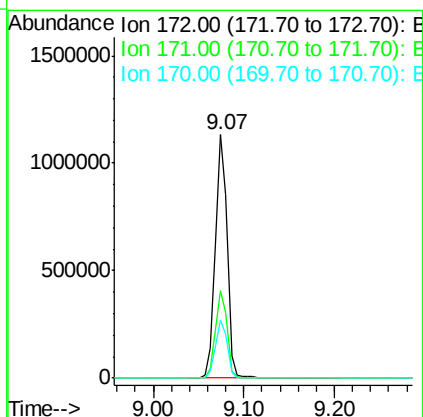
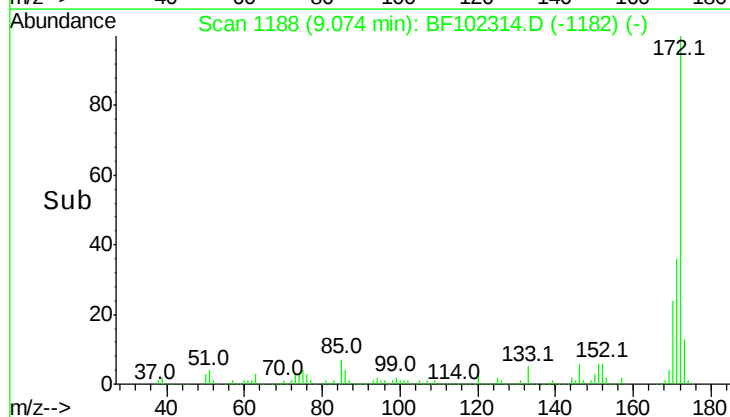
Instrument :
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 ClientSampleId :

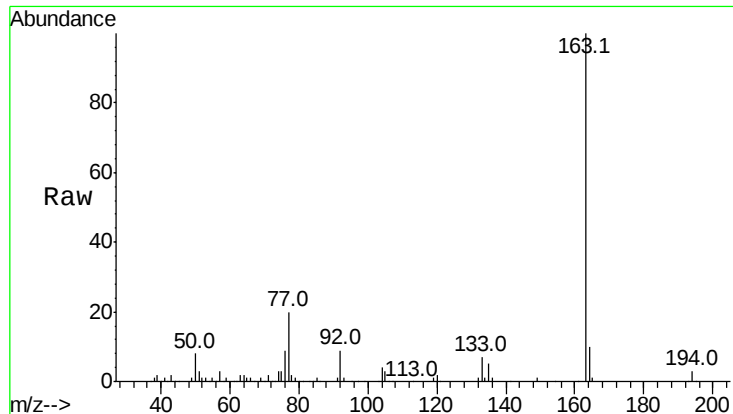
Tot Ion:	330	Resp:	205114
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	38.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 69.440 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion:	172	Resp:	1031513
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.8	19.6	29.4

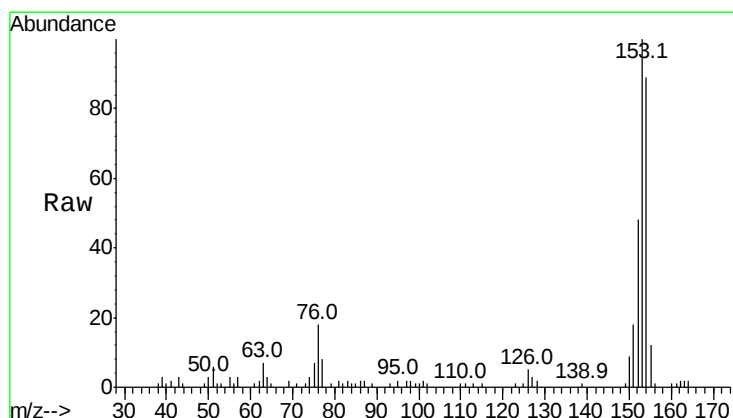
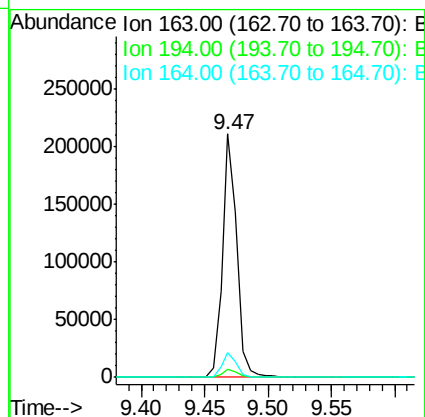
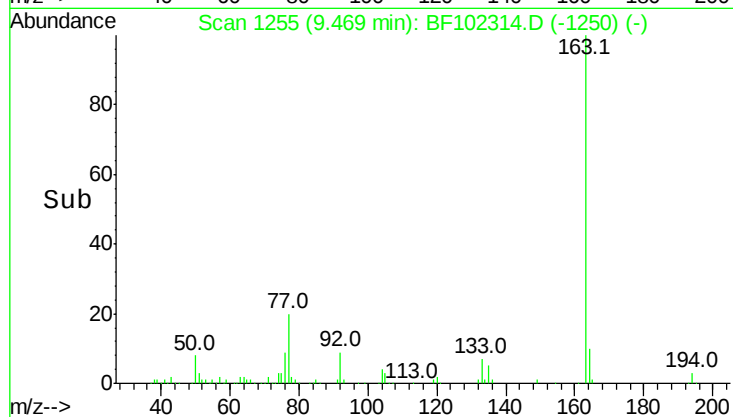




#49
Dimethylphthalate
Concen: 9.277 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

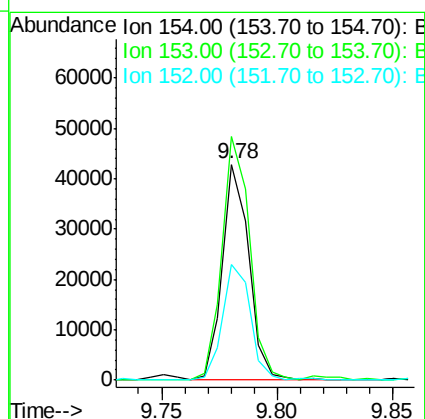
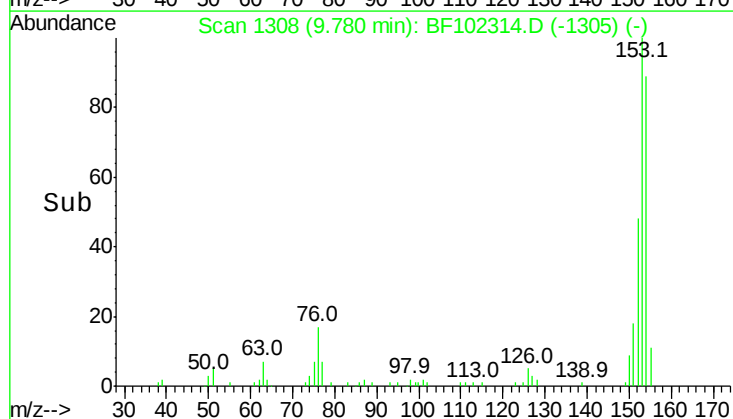
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BNA_F
ClientSampleId :

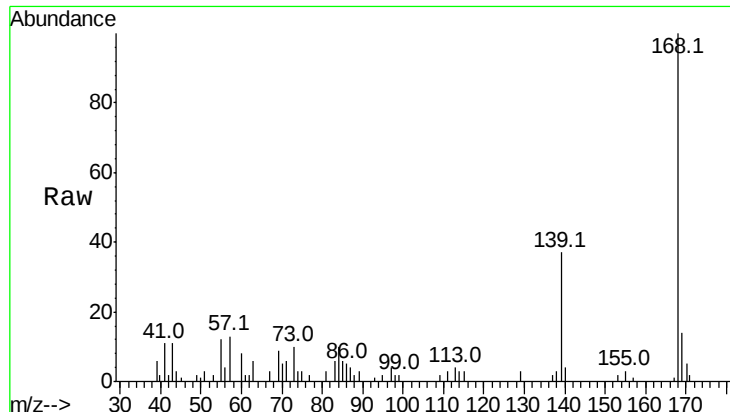
Tot Ion:163 Resp: 167485
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.1 8.2 12.2



#51
Acenaphthene
Concen: 2.473 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:154 Resp: 34159
Ion Ratio Lower Upper
154 100
153 112.8 91.2 136.8
152 53.6 43.8 65.8

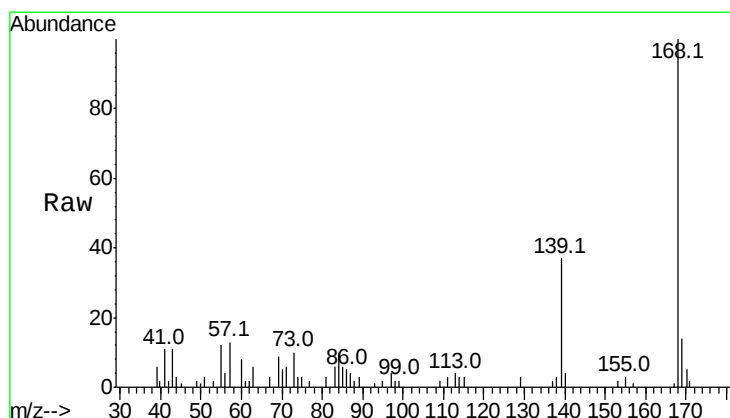
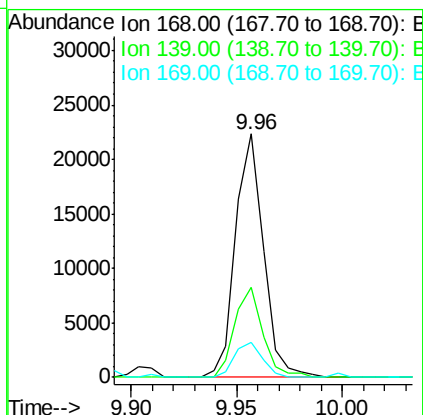
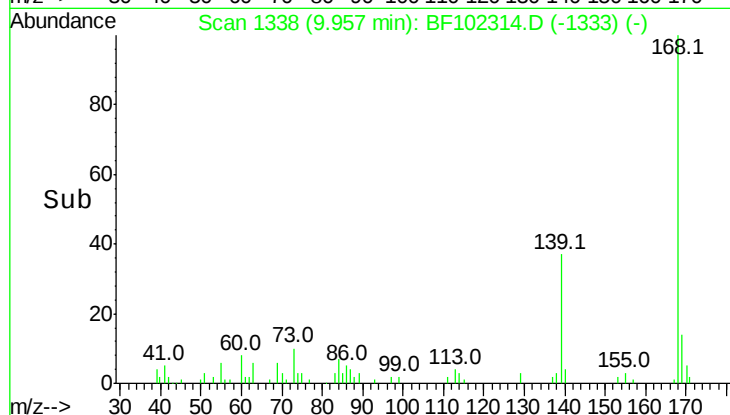




#54
Dibenzofuran
Concen: 1.093 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

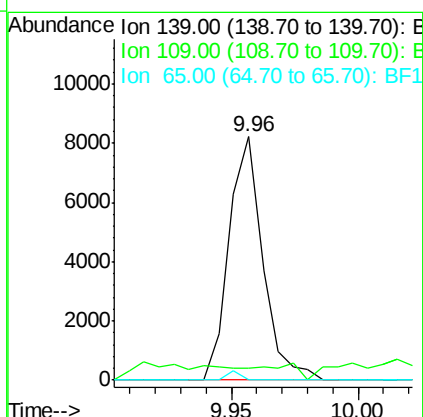
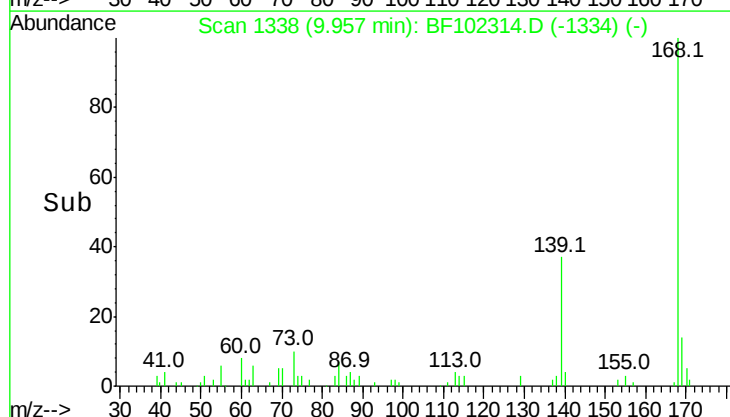
Instrument :
BNA_F
ClientSampleId :

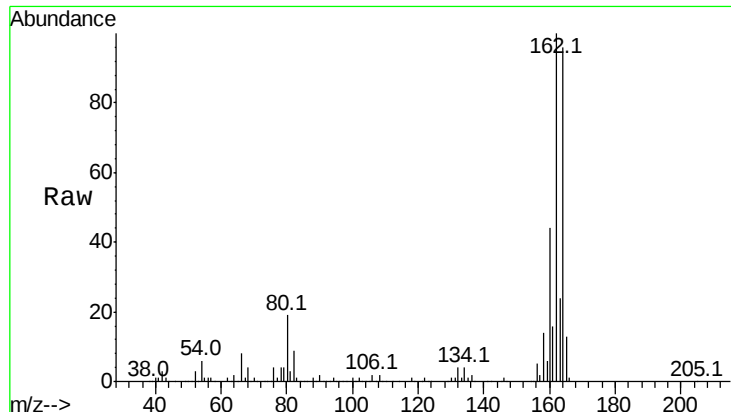
Tot Ion:168 Resp: 20425
Ion Ratio Lower Upper
168 100
139 36.8 30.1 45.1
169 14.3 10.9 16.3



#55
4-Nitrophenol
Concen: 2.496 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.08 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:139 Resp: 7587
Ion Ratio Lower Upper
139 100
109 5.1 48.4 88.4#
65 0.0 72.6 112.6#

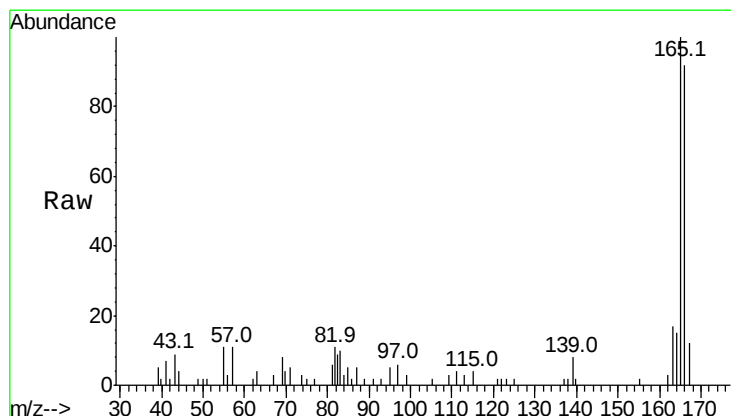
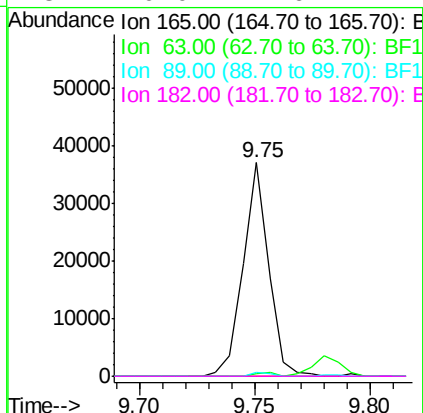
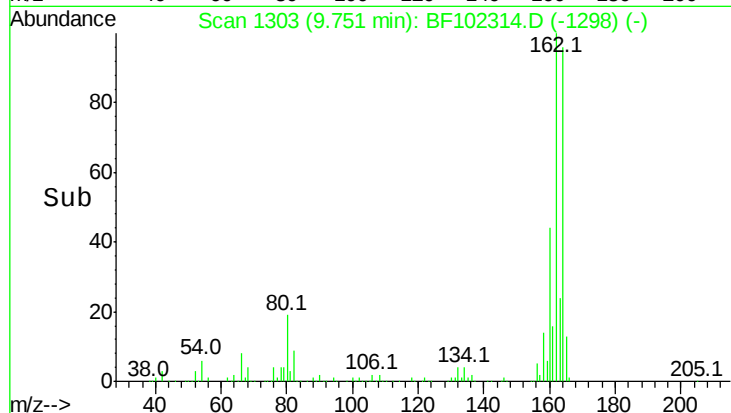




#56
2,4-Dinitrotoluene
Concen: 5.984 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

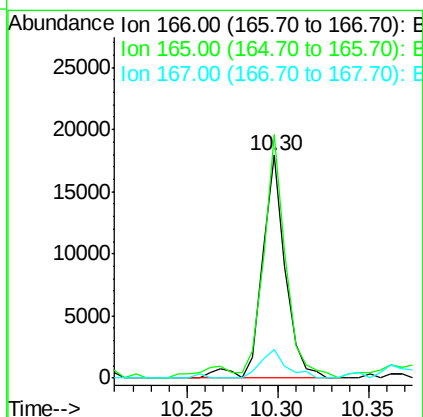
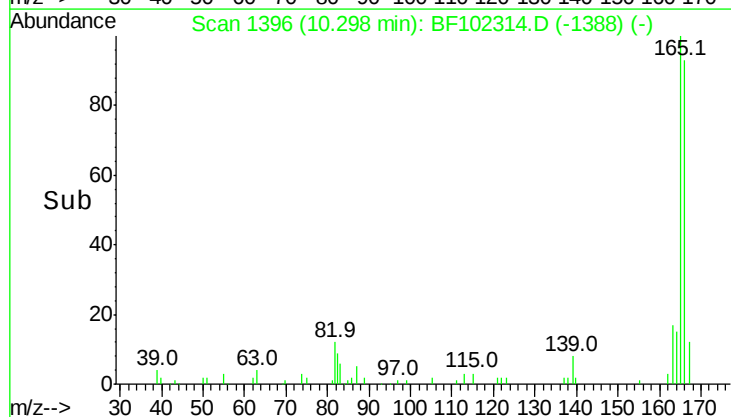
Instrument :
BNA_F
ClientSampleId :

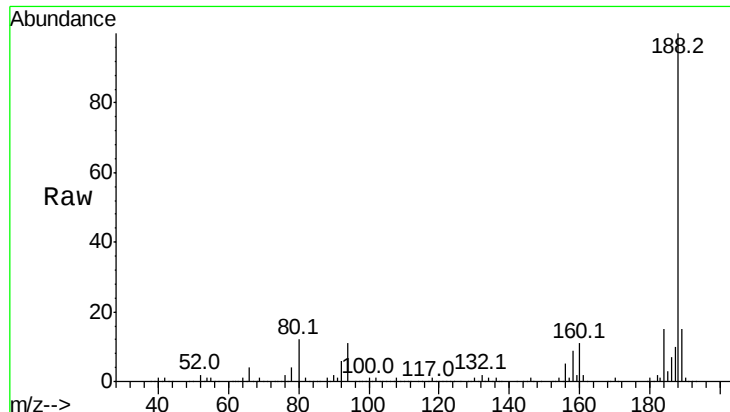
Tot Ion:	165	Resp:	28644
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 1.071 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:	166	Resp:	15862
Ion	Ratio	Lower	Upper
166	100		
165	109.3	79.8	119.8
167	12.8	10.6	16.0

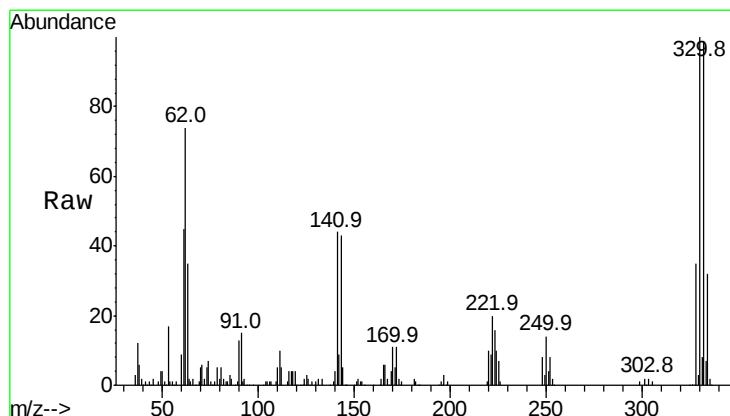
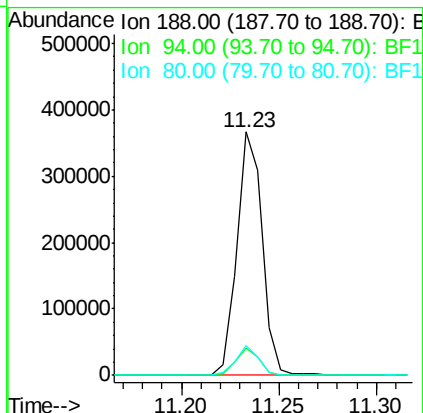
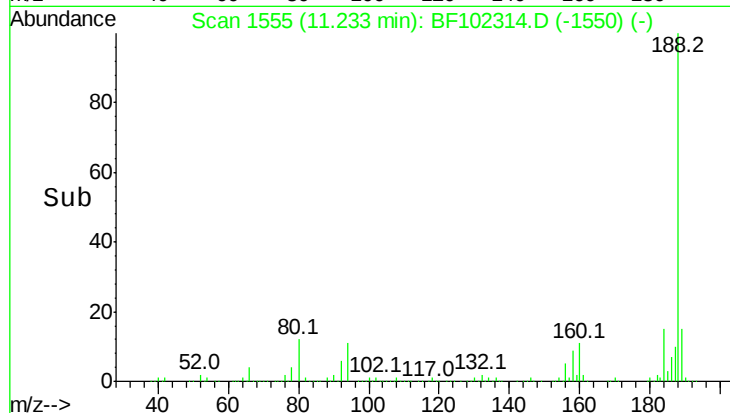




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

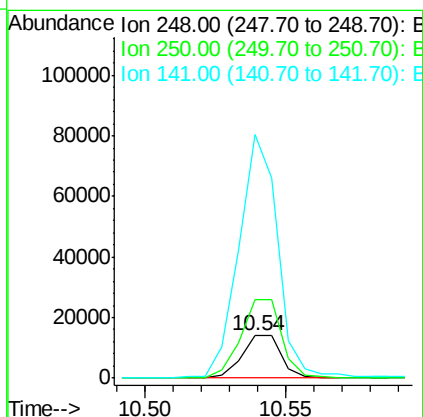
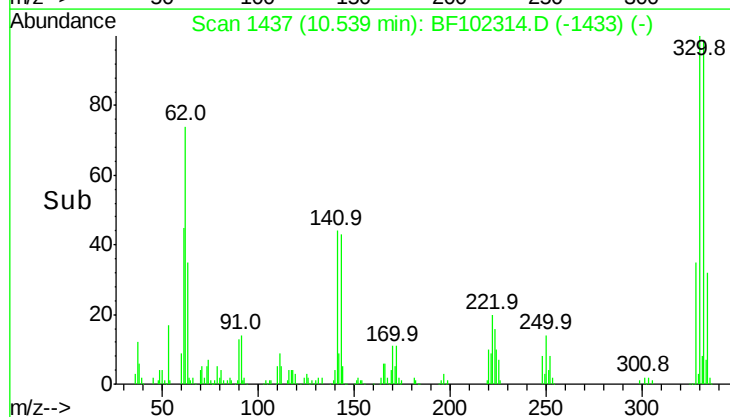
Instrument :
BNA_F
ClientSampleId :

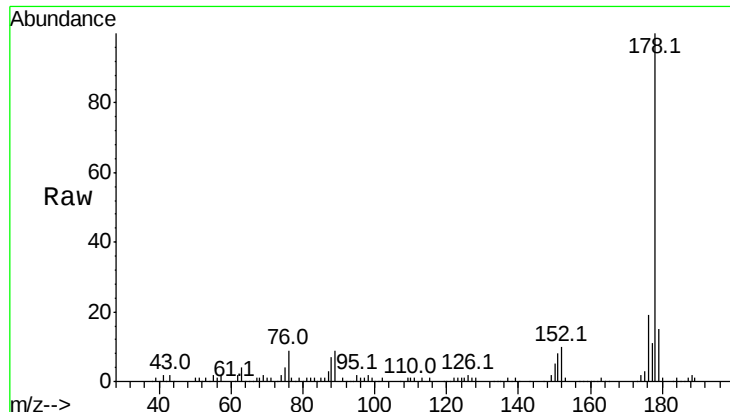
Tot Ion:188 Resp: 329285
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.828 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:248 Resp: 13571
Ion Ratio Lower Upper
248 100
250 184.8 76.9 115.3#
141 572.5 74.4 111.6#

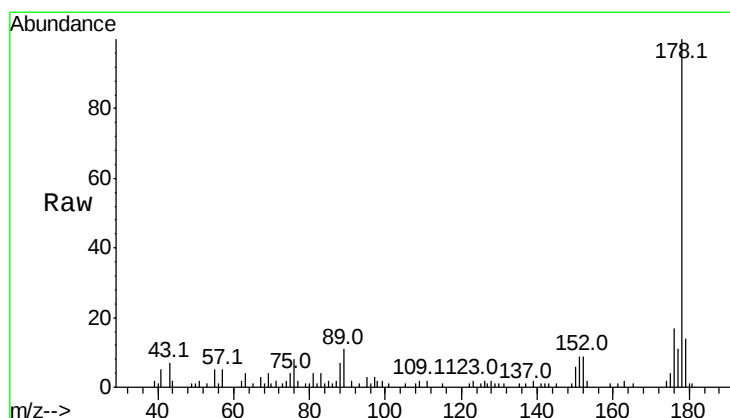
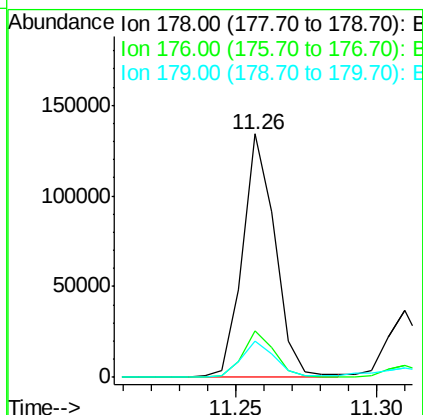
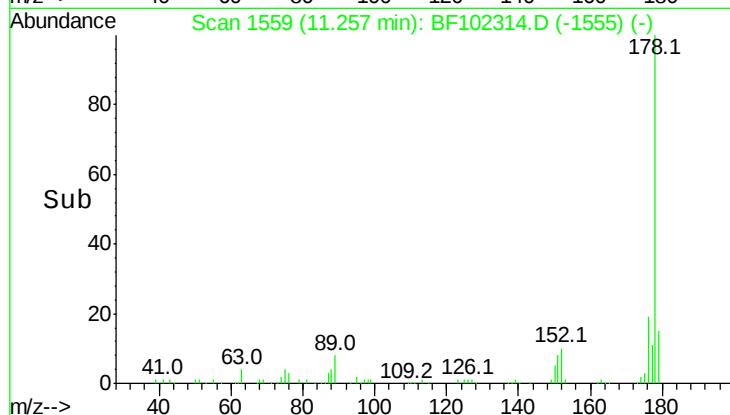




#70
 Phenanthrene
 Concen: 5.595 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

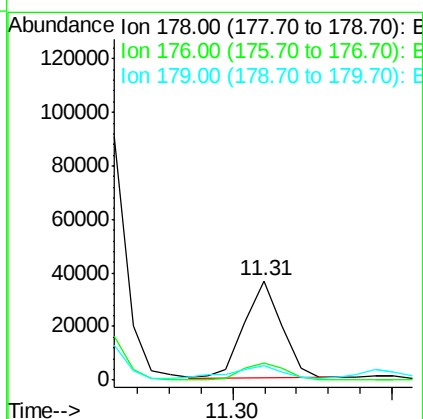
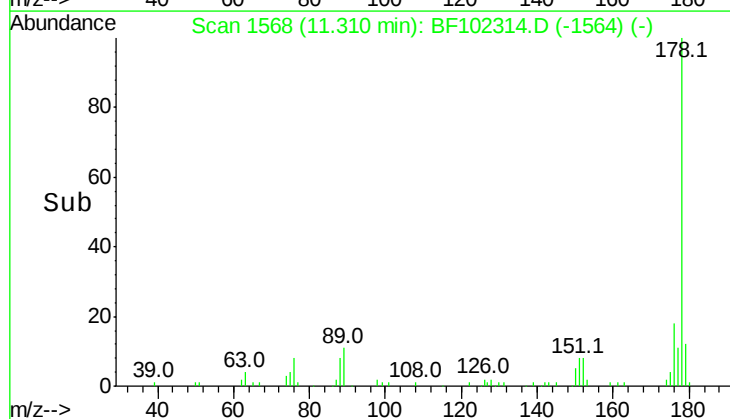
Instrument :
 BNA_F
 ClientSampleId :

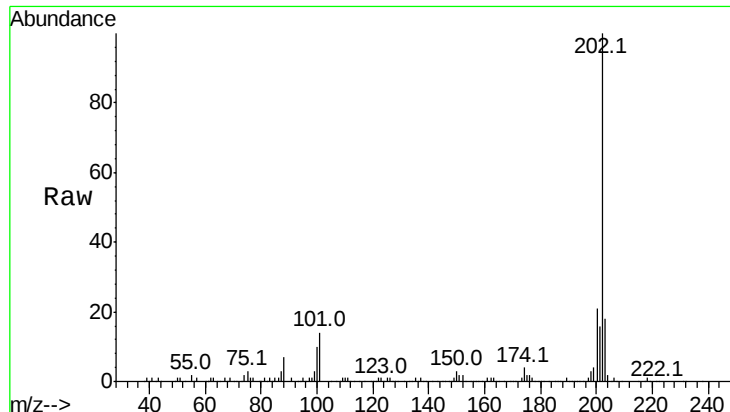
Tot Ion:178 Resp: 107363
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 14.9 13.0 19.6



#71
 Anthracene
 Concen: 1.532 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion:178 Resp: 30006
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.2
 179 14.0 12.6 19.0





#74

Fluoranthene

Concen: 9.374 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

ClientSampleId :

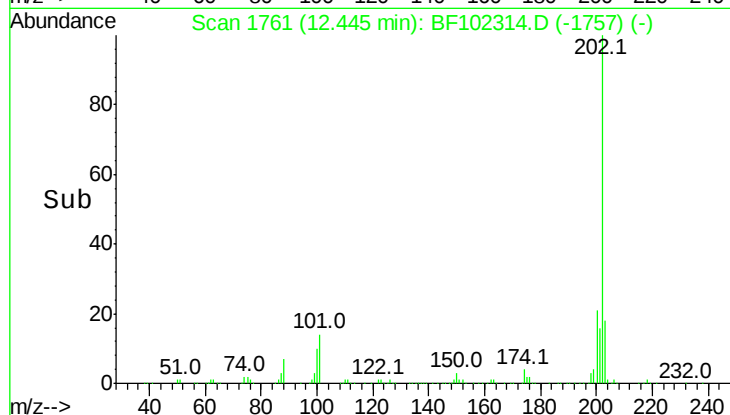
Tot Ion:202 Resp: 183421

Ion Ratio Lower Upper

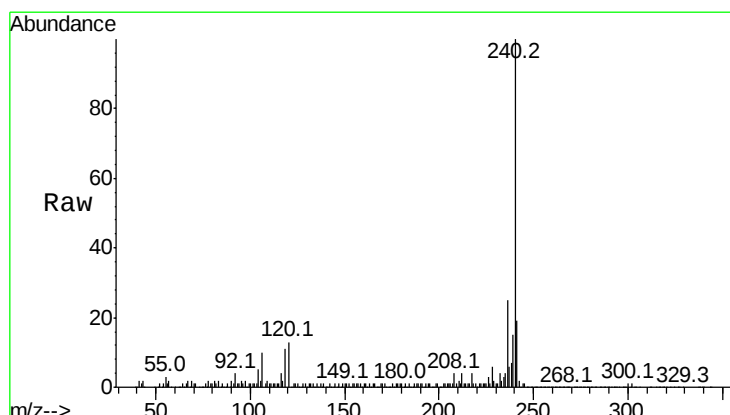
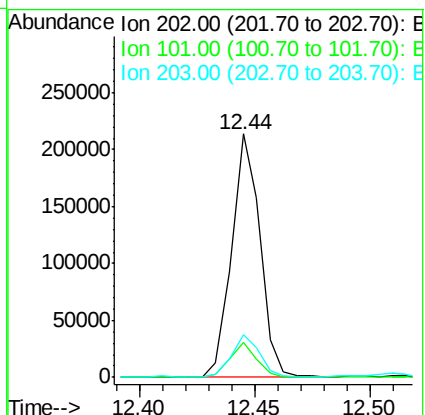
202 100

101 14.3 0.0 34.1

203 17.7 0.0 38.1



Scan 1761 (12.445 min): BF102314.D (-1757) (-)



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

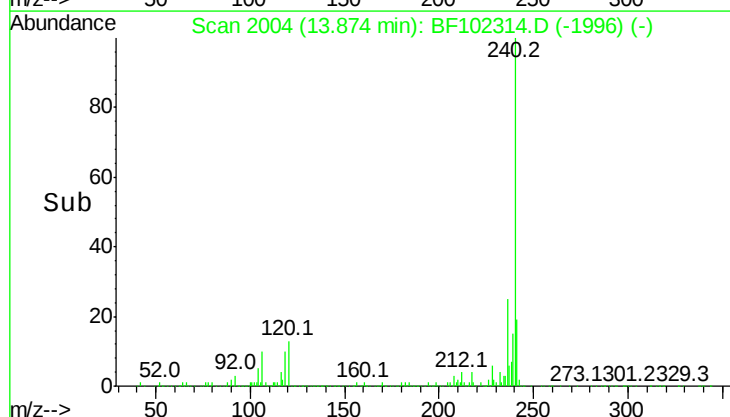
Tgt Ion:240 Resp: 244745

Ion Ratio Lower Upper

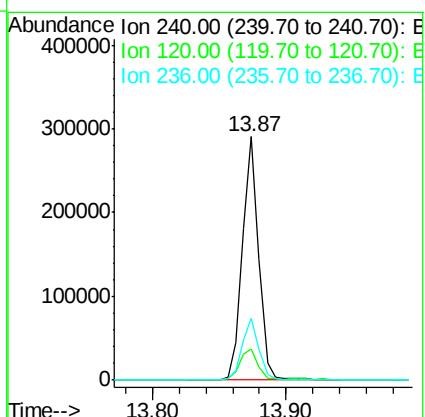
240 100

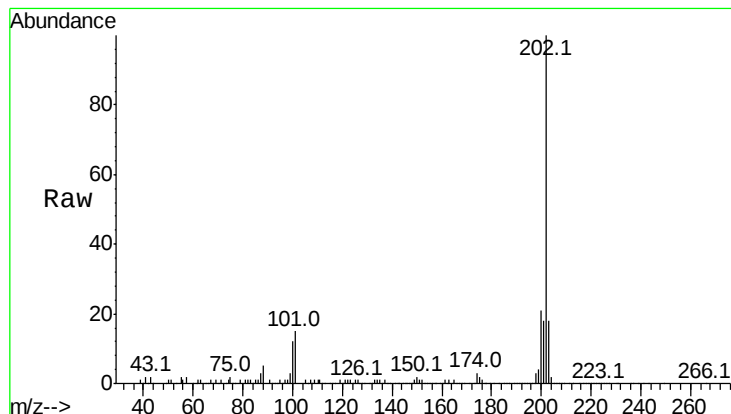
120 13.0 9.5 14.3

236 25.3 20.7 31.1



Scan 2004 (13.874 min): BF102314.D (-1996) (-)





#77

Pvrene

Concen: 9.045 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

ClientSampleId :

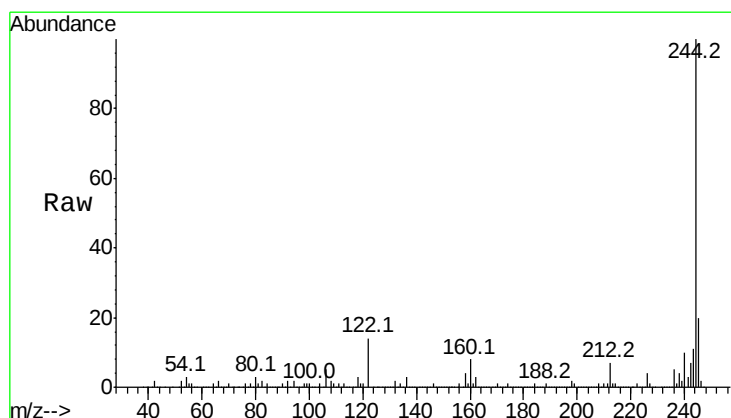
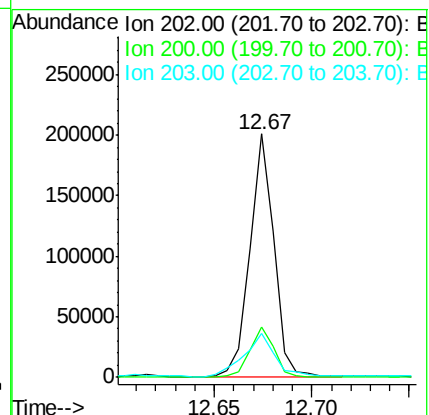
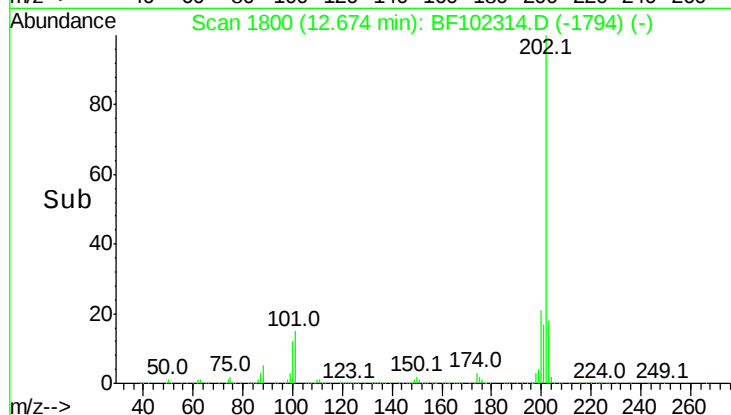
Tot Ion:202 Resp: 171166

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

203 18.2 14.3 21.5



#78

Terphenyl-d14

Concen: 66.202 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

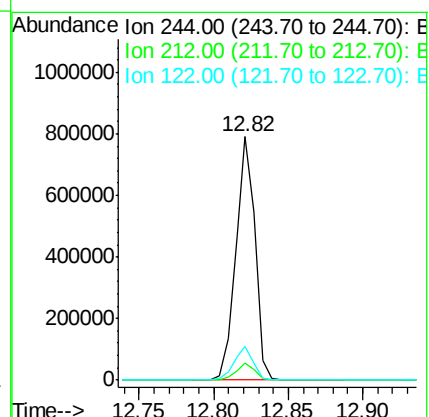
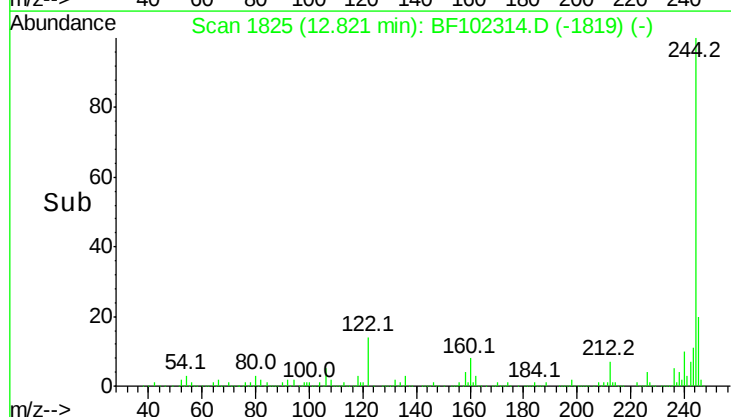
Tgt Ion:244 Resp: 718728

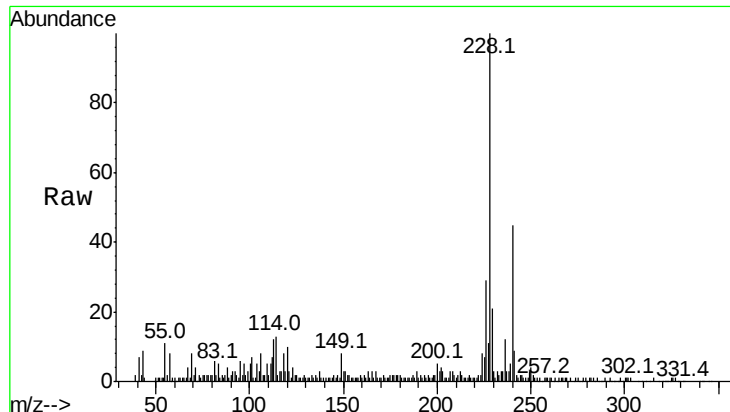
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 13.7 11.0 16.4

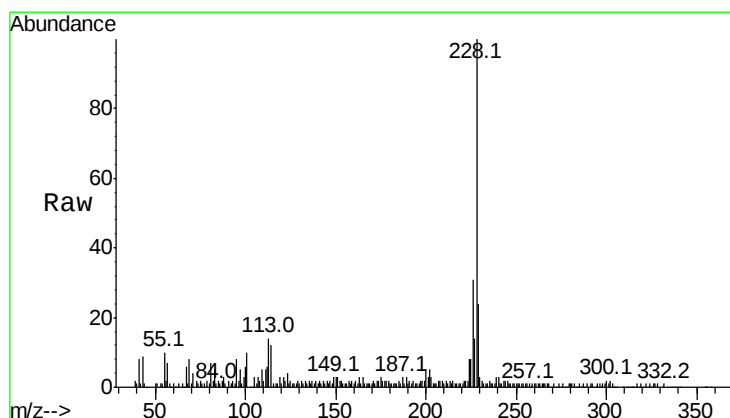
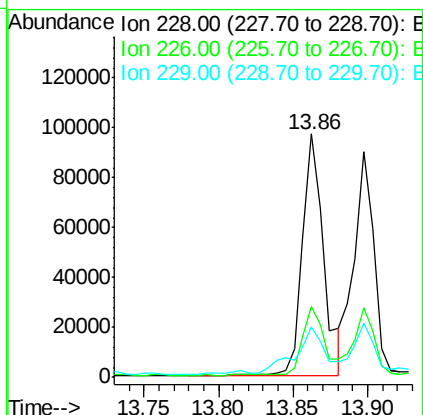
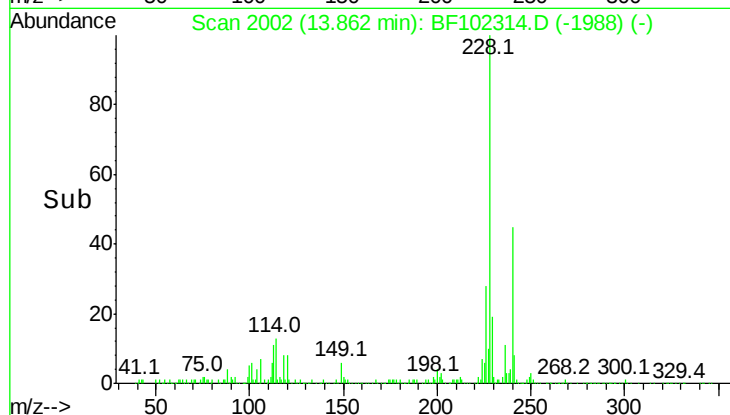




#80
Benzo(a)anthracene
Concen: 6.463 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

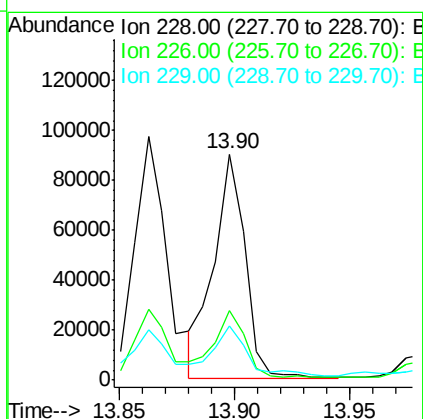
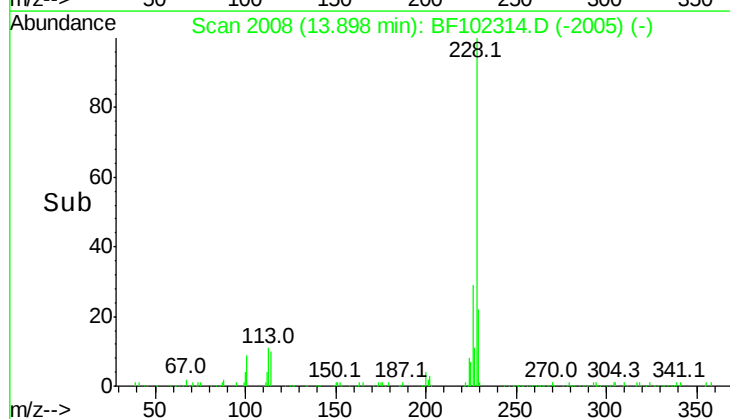
Instrument :
BNA_F
ClientSampleId :

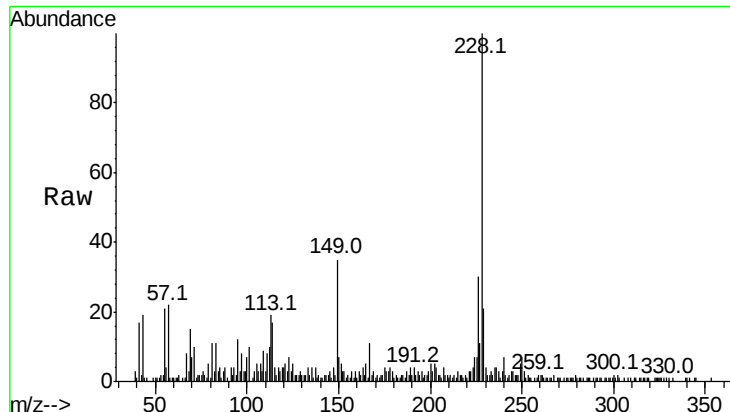
Tot Ion:228 Resp: 97385
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 20.5 15.8 23.6



#82
Chrysene
Concen: 5.560 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:228 Resp: 85071
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 24.2 16.2 24.4

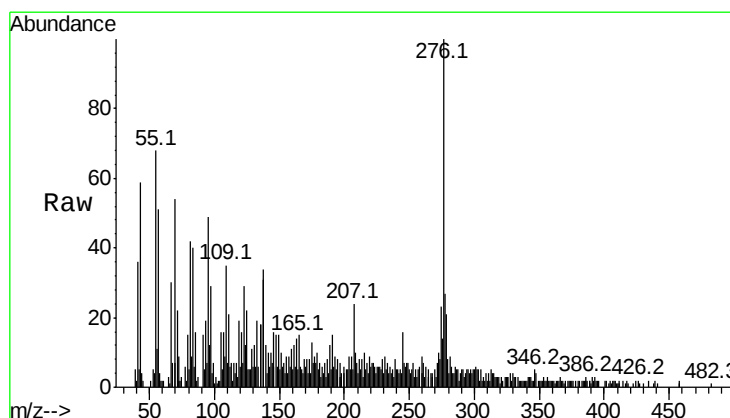
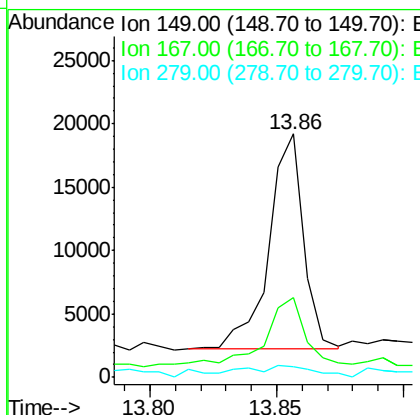
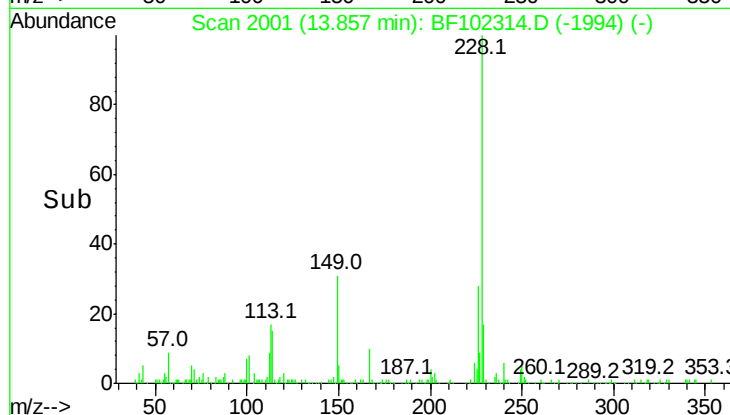




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.279 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

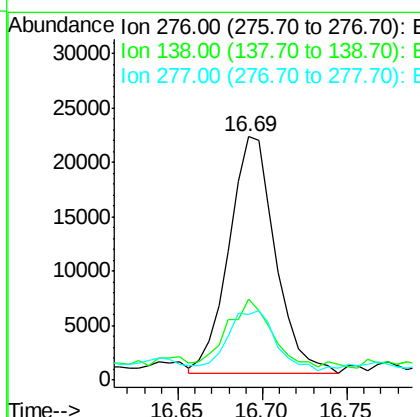
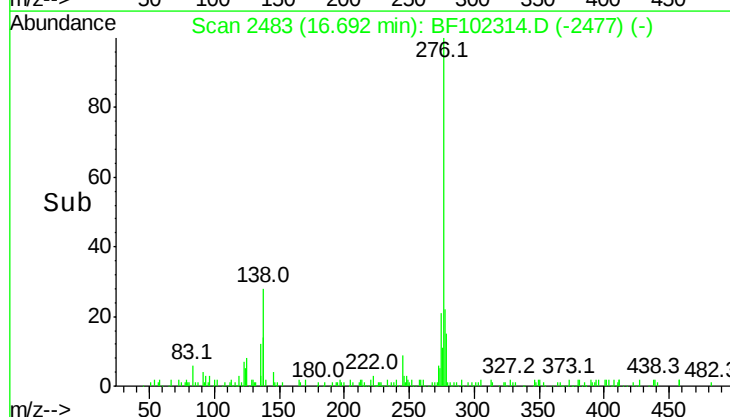
Instrument :
 BNA_F
 ClientSampled :

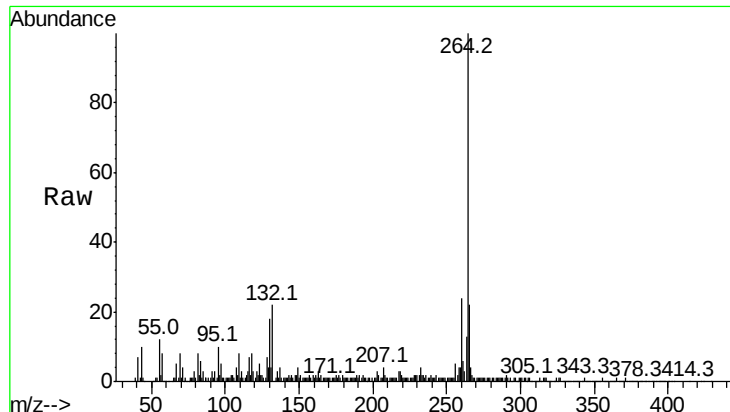
Tot Ion:149 Resp: 16189
 Ion Ratio Lower Upper
 149 100
 167 33.0 21.3 31.9#
 279 4.4 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.275 ng
 RT: 16.69 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion:276 Resp: 41383
 Ion Ratio Lower Upper
 276 100
 138 27.3 25.0 37.6
 277 25.9 20.1 30.1



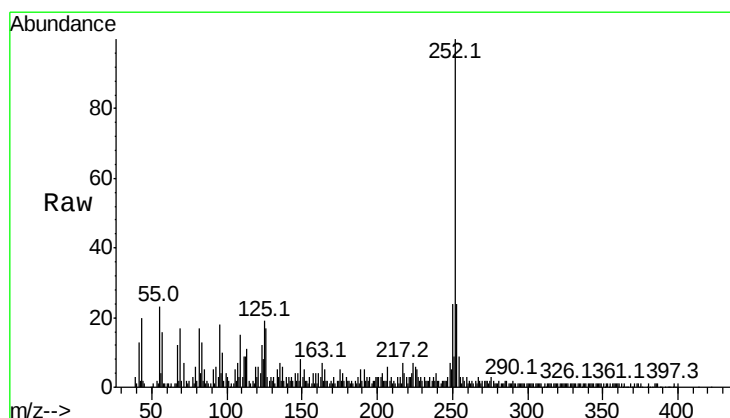
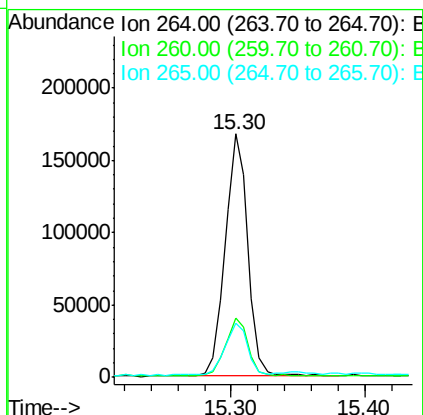
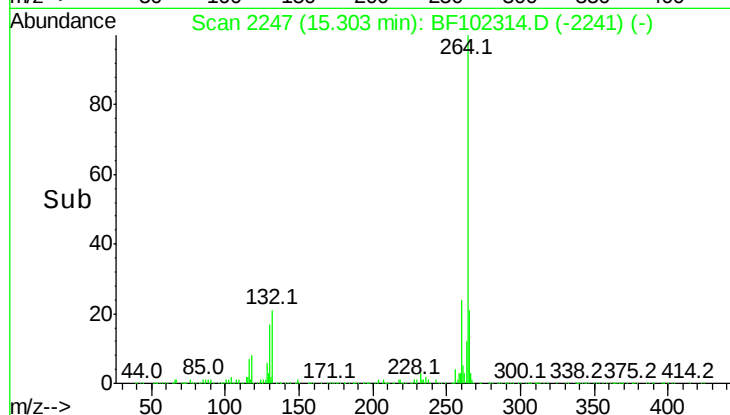


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 200458

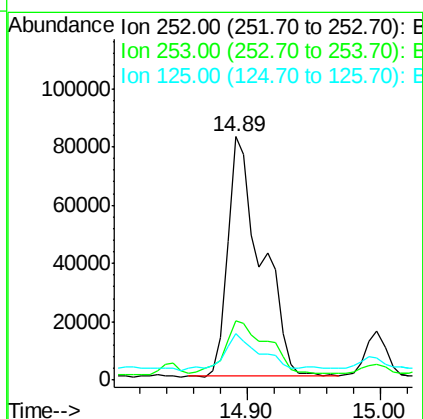
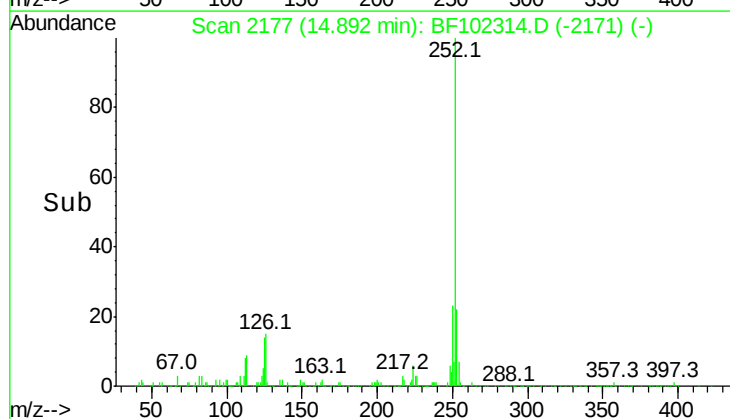
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

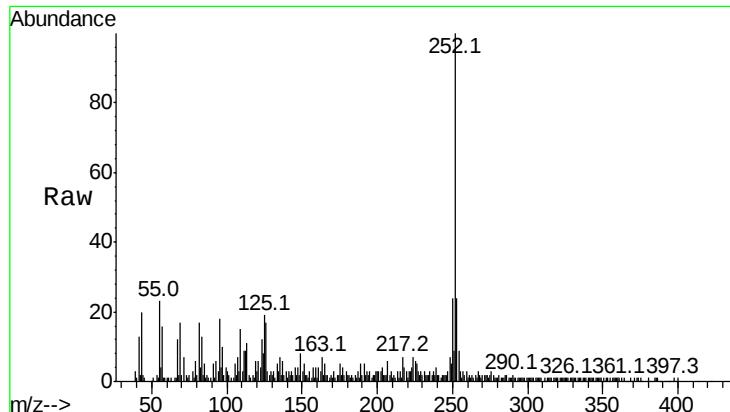


#87
Benzo(b)fluoranthene
Concen: 11.071 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:252 Resp: 143838

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	19.0	9.0	13.6

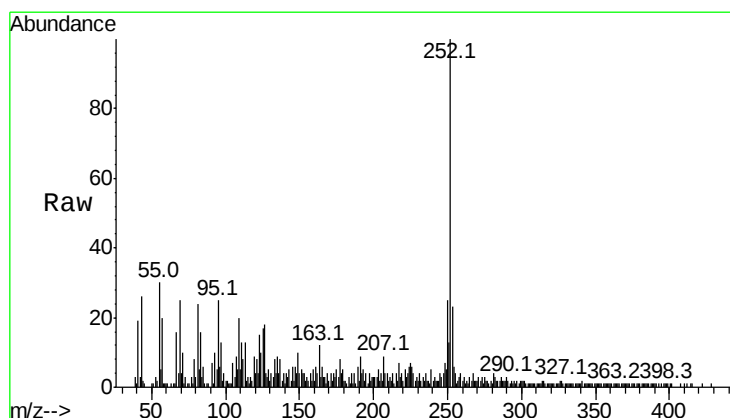
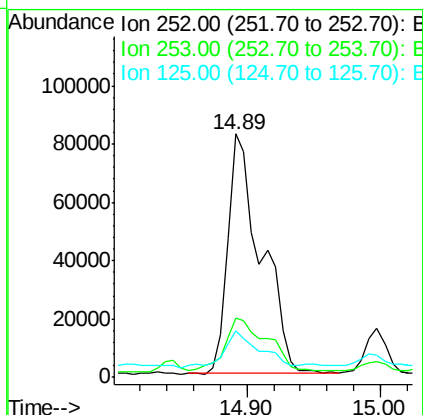
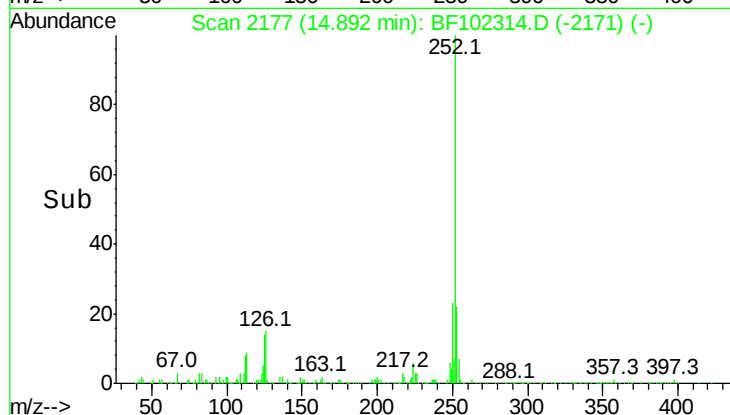




#88
Benzo(k)fluoranthene
Concen: 11.718 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.03 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

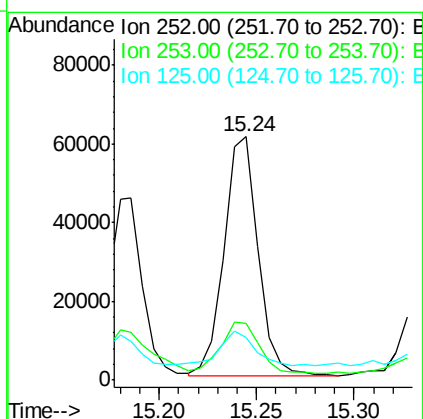
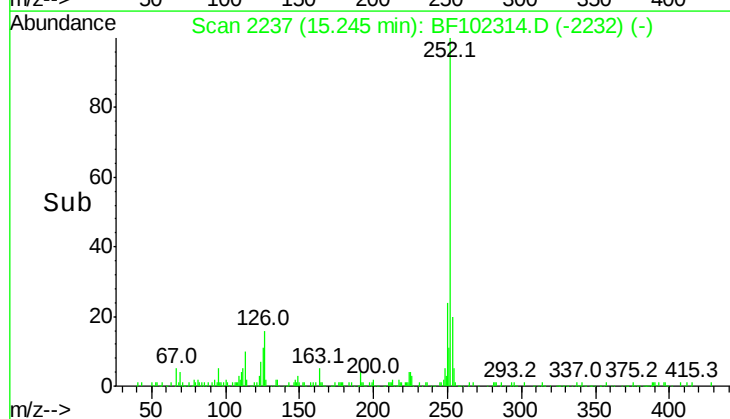
Instrument :
BNA_F
ClientSampleId :

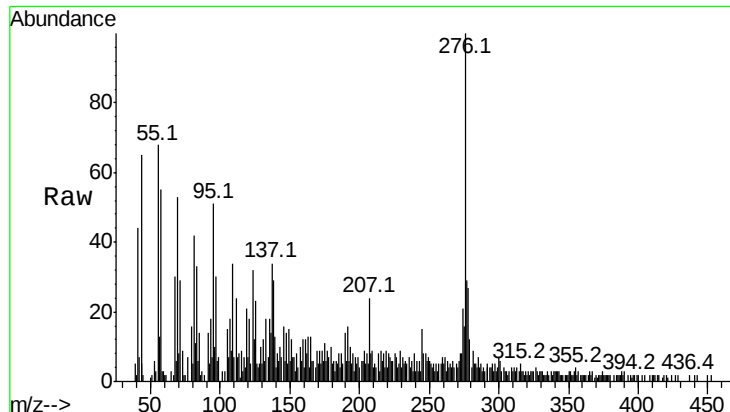
Tot Ion:252 Resp: 143838
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 19.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 6.231 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:252 Resp: 73016
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 17.5 9.8 14.6#

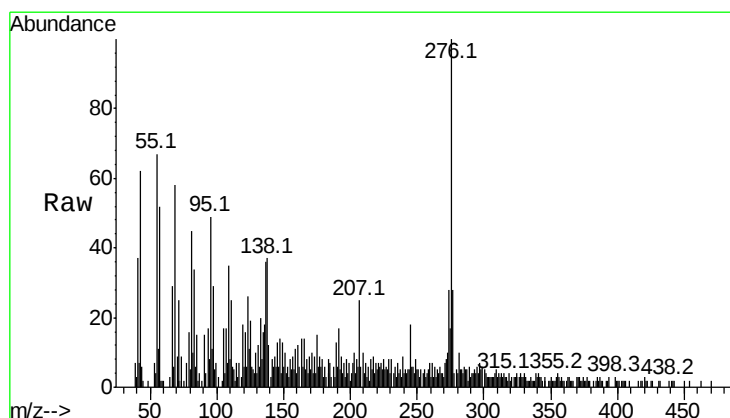
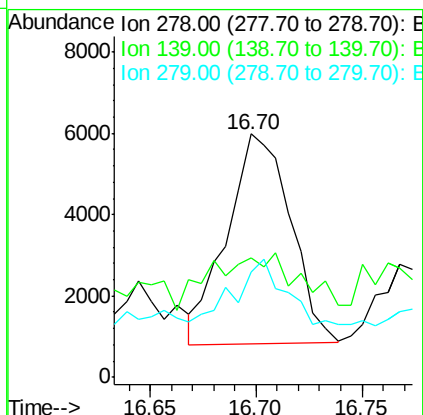
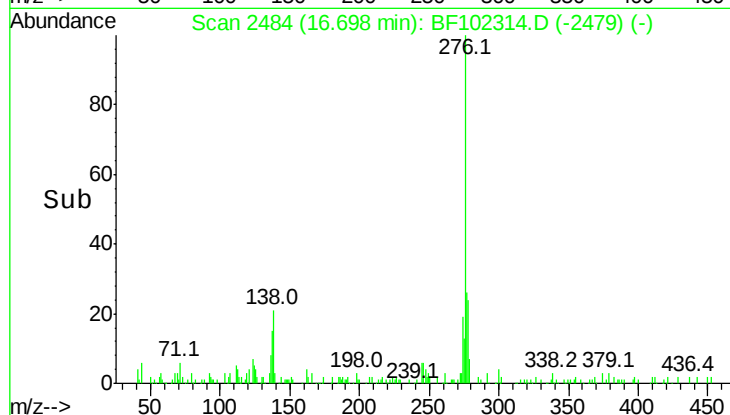




#90
 Dibenzo(a,h)anthracene
 Concen: 1.137 ng
 RT: 16.70 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:278 Resp: 10794
 Ion Ratio Lower Upper
 278 100
 139 48.9 15.9 23.9#
 279 43.1 19.0 28.4#



#91
 Benzo(g,h,i)perylene
 Concen: 4.160 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion:276 Resp: 38990
 Ion Ratio Lower Upper
 276 100
 277 27.9 17.9 26.9#
 138 36.5 21.8 32.8#

