

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104480.D
 Acq On : 13 Apr 2018 16:01
 Operator : JU/SJ
 Sample : J2364-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:41:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	139928	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	557791	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	246562	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	379609	20.00	ng	0.00
75) Chrysene-d12	13.99	240	269970	20.00	ng	0.00
86) Perylene-d12	15.45	264	231486	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	869683	95.03	ng	0.00
7) Phenol-d6	6.45	99	1068038	94.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	667807	78.18	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	235367	92.02	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1008035	64.59	ng	0.00
78) Terphenyl-d14	12.93	244	764471	64.56	ng	0.00

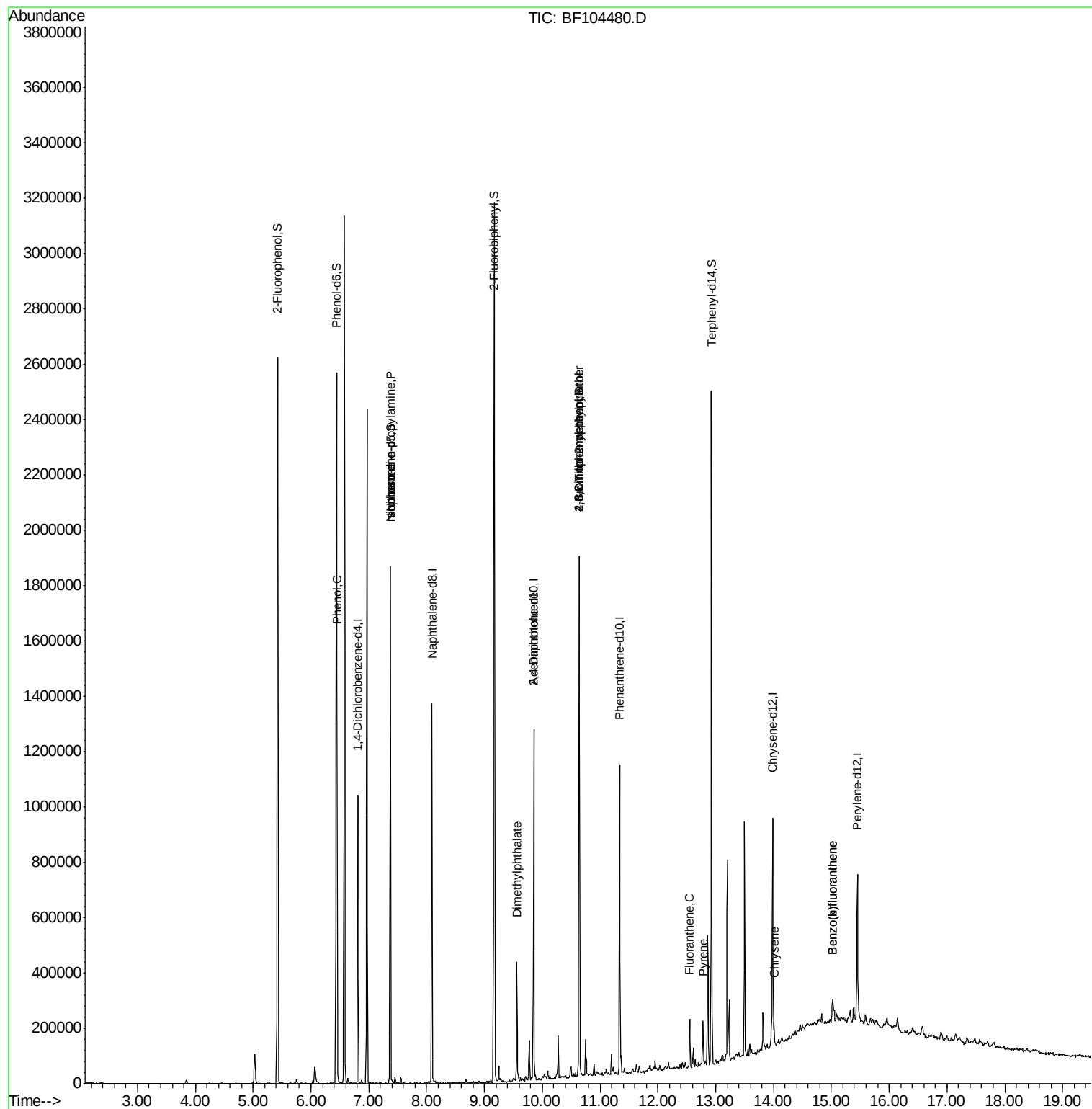
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	38962	3.266	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	87331	11.886	ng	# 74
25) Isophorone	7.37	82	667793	36.969	ng	# 64
49) Dimethylphthalate	9.56	163	156383	8.043	ng	100
56) 2,4-Dinitrotoluene	9.85	165	31571	6.690	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	457	7.556	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	14601	3.616	ng	# 1
74) Fluoranthene	12.55	202	63339	2.868	ng	98
76) Benzidine	12.60	184	393	Below Cal		# 1
77) Pyrene	12.78	202	60153	3.006	ng	97
82) Chrysene	14.01	228	33965	2.050	ng	98
87) Benzo(b)fluoranthene	15.02	252	53457	3.656	ng	# 88
88) Benzo(k)fluoranthene	15.02	252	53457	3.873	ng	# 91

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

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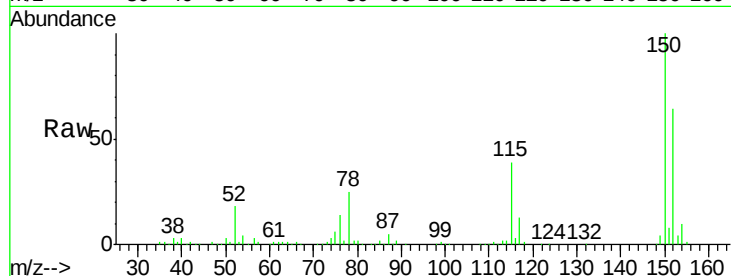


#1

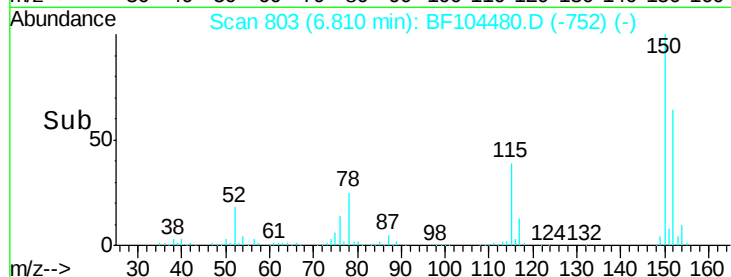
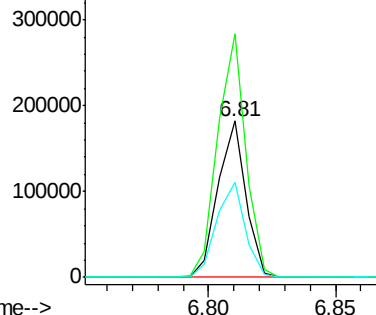
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139928
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 60.6 50.1 75.1



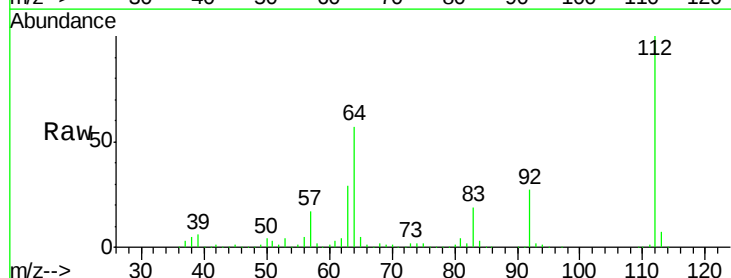
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



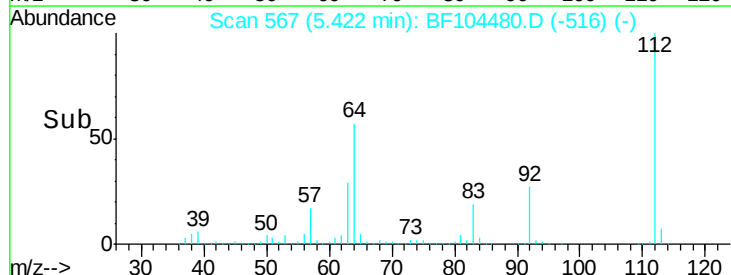
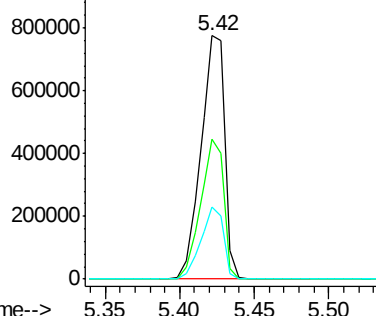
#5

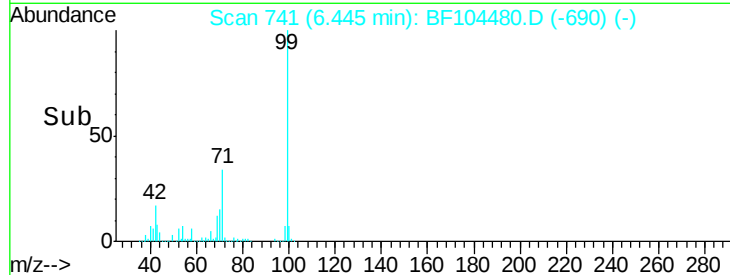
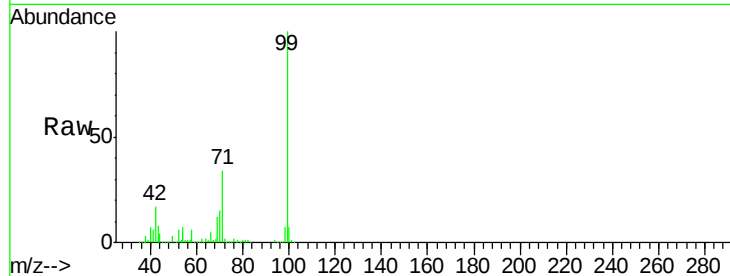
2-Fluorophenol
Concen: 95.034 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion:112 Resp: 869683
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 29.4 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

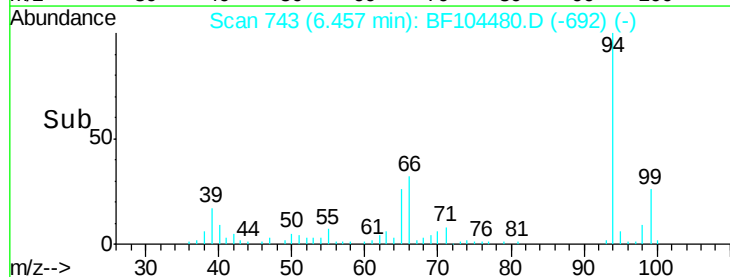
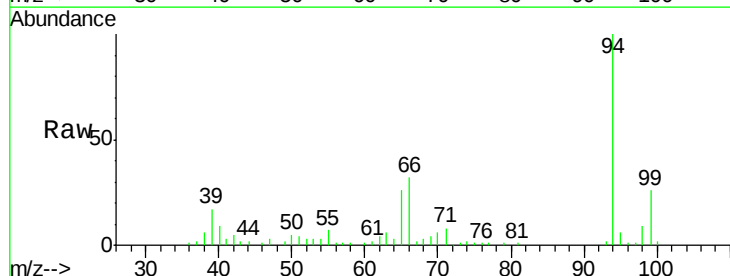
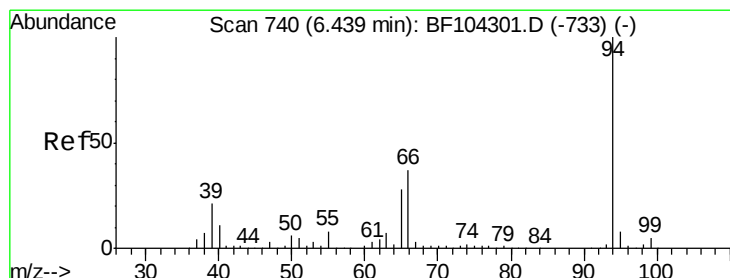
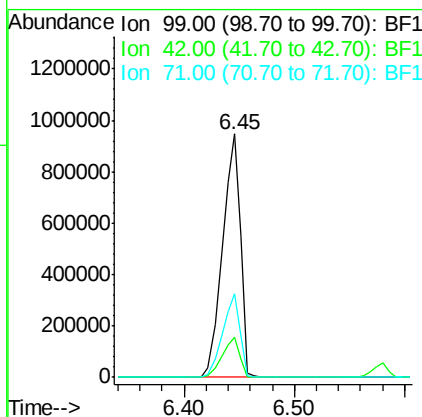




#7
Phenol-d6
Concen: 94.988 ng
RT: 6.45 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

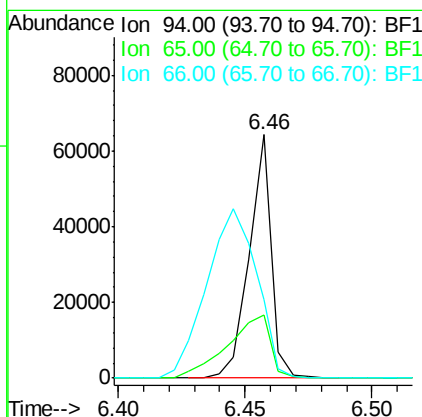
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 99 Resp: 1068038
Ion Ratio Lower Upper
99 100
42 16.5 14.5 21.7
71 34.1 25.4 38.0



#10
Phenol
Concen: 3.266 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion: 94 Resp: 38962
Ion Ratio Lower Upper
94 100
65 25.7 7.9 47.9
66 32.5 16.2 56.2

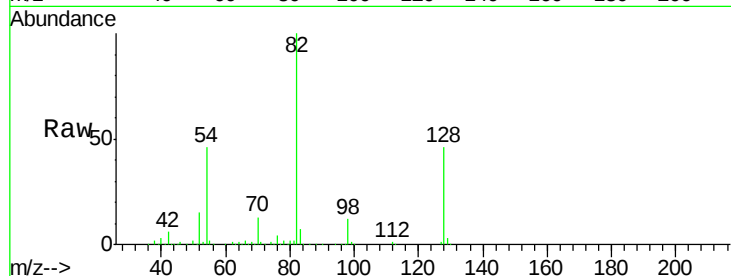




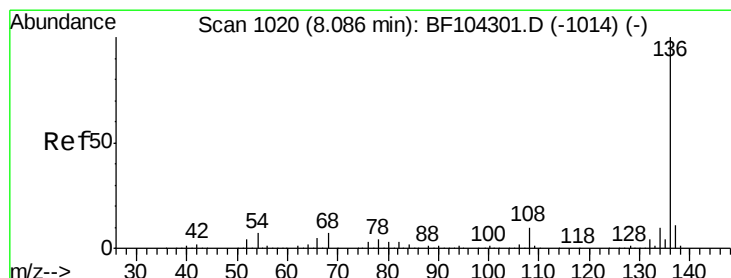
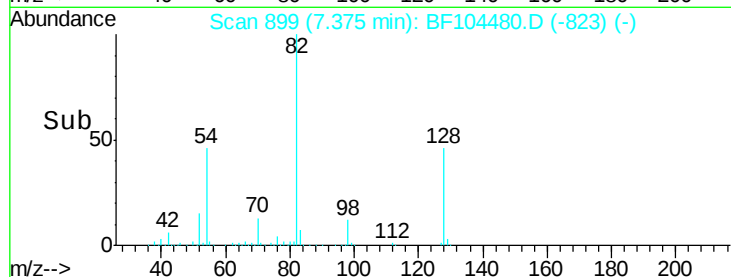
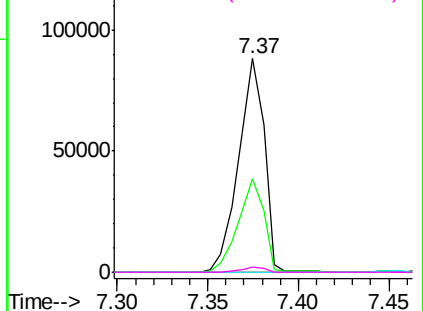
#19
n-Nitroso-di-n-propylamine
Concen: 11.886 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 87331
Ion Ratio Lower Upper
70 100
42 43.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

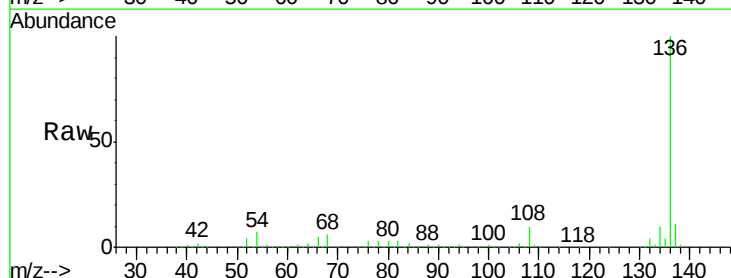


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

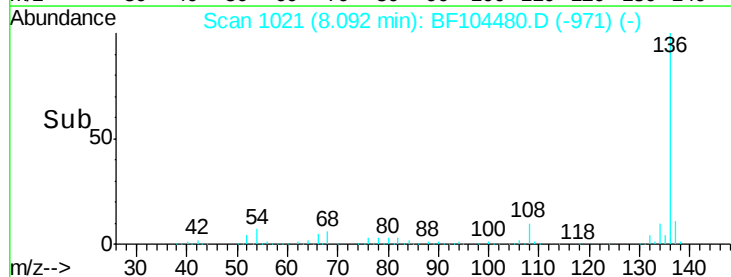
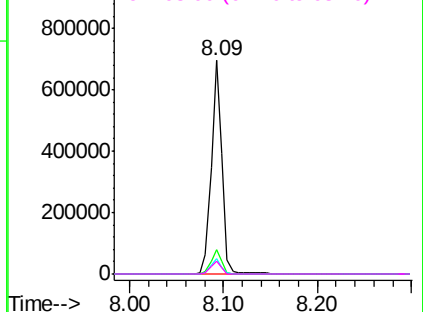


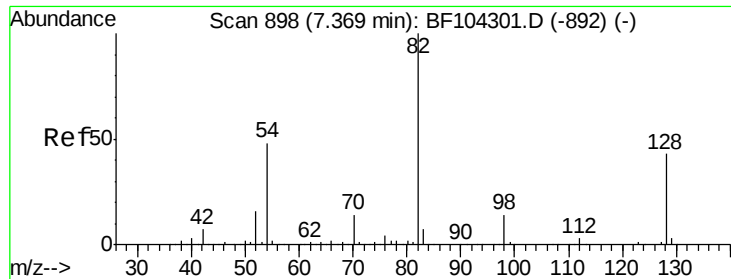
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion:136 Resp: 557791
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.1 6.6 9.8
68 6.2 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

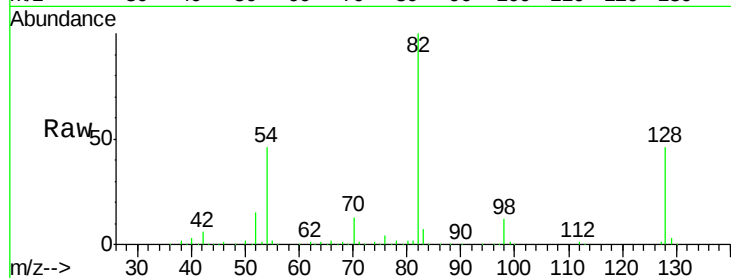




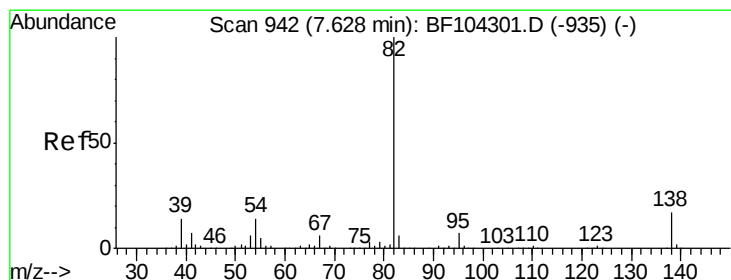
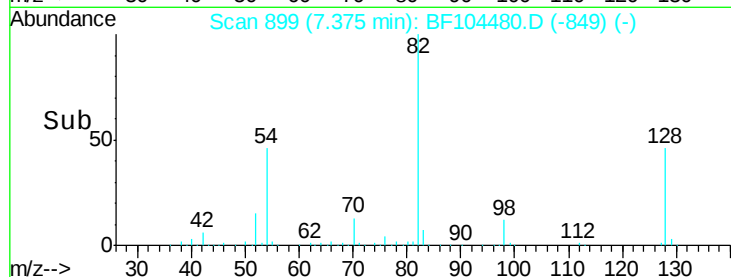
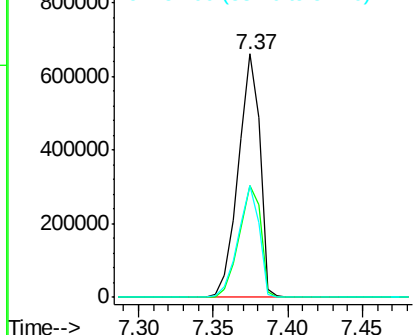
#23
Nitrobenzene-d5
Concen: 78.177 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	667807
Ion Ratio	100	Lower	Upper
128	45.8	36.1	54.1
54	46.0	41.4	62.2

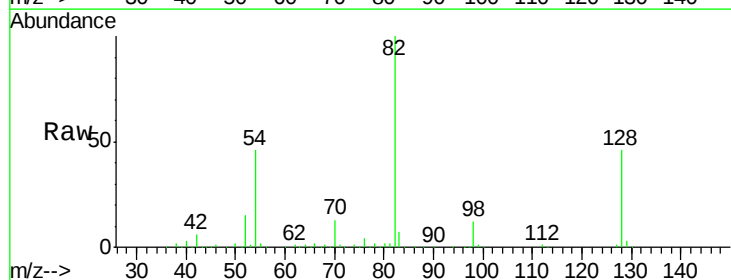


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

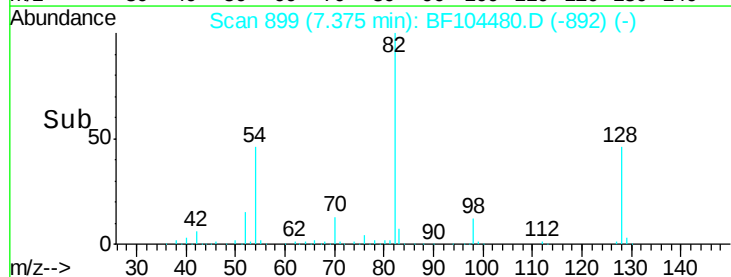
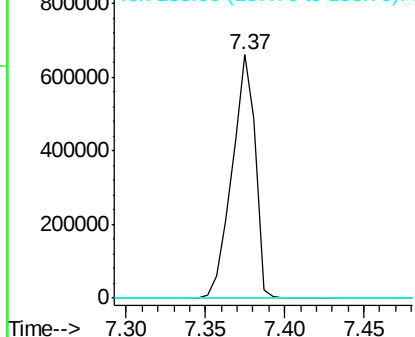


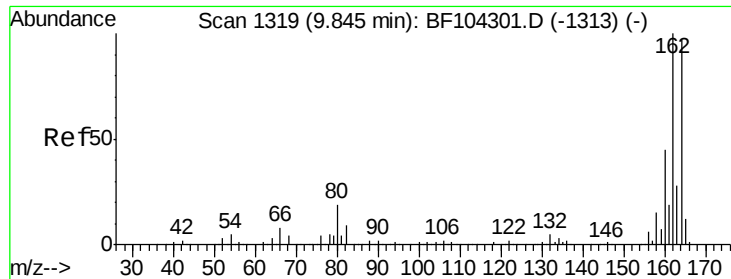
#25
Isophorone
Concen: 36.969 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion	82	Resp	667793
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

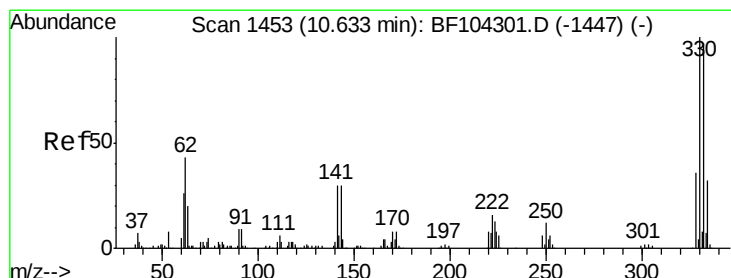
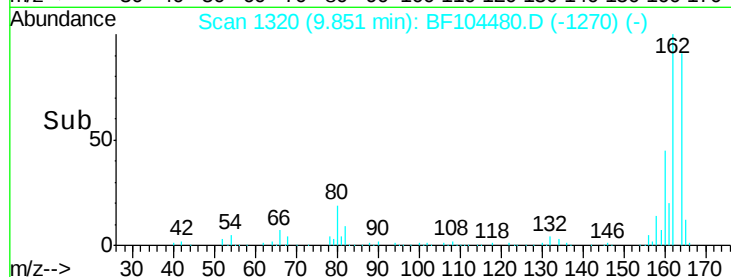
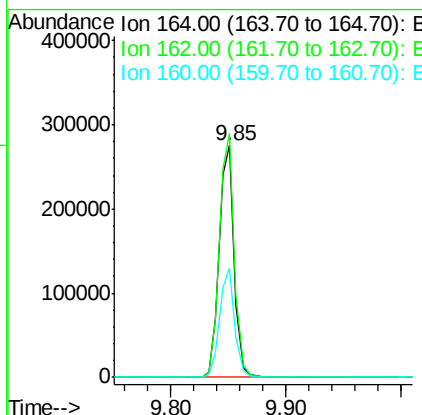
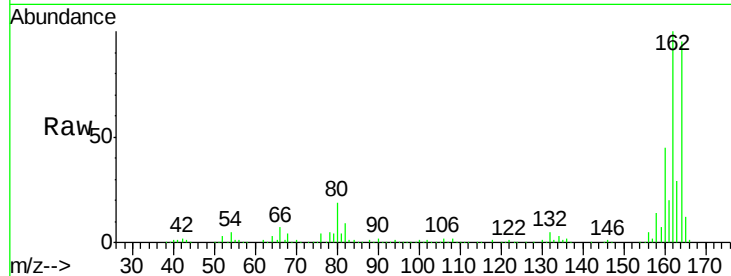




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104480.D
 Acq: 13 Apr 2018 16:01

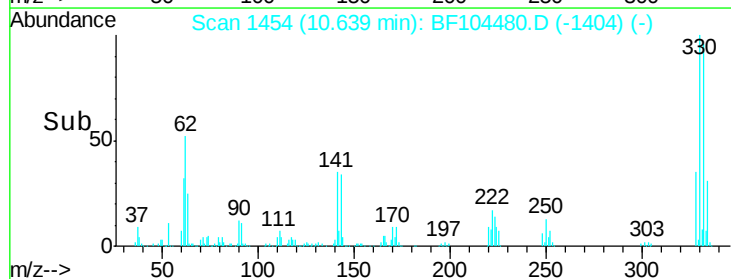
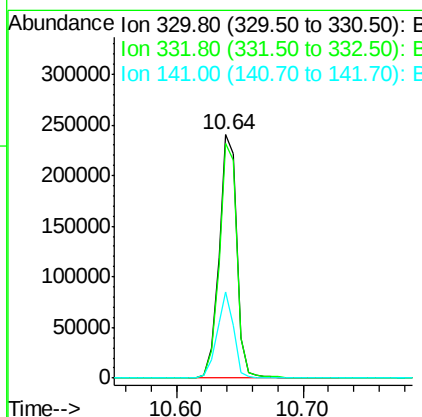
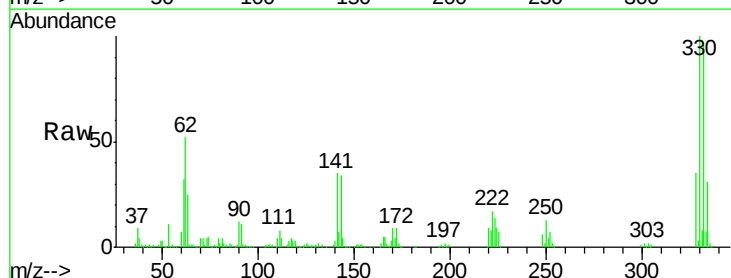
Instrument :
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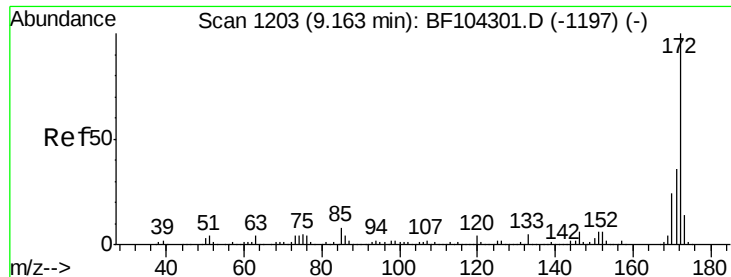
Tot Ion:164 Resp: 246562
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 47.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 92.025 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104480.D
 Acq: 13 Apr 2018 16:01

Tgt Ion:330 Resp: 235367
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 33.6 29.9 44.9

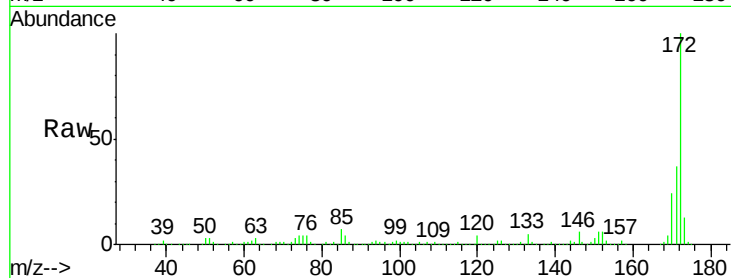




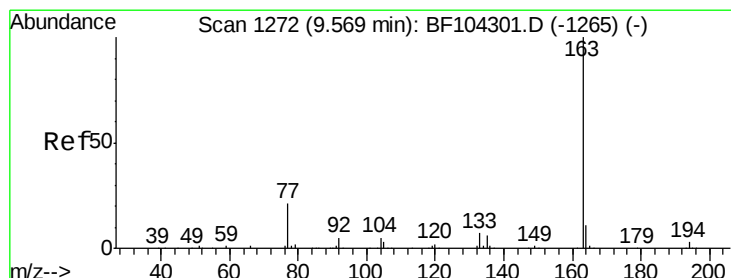
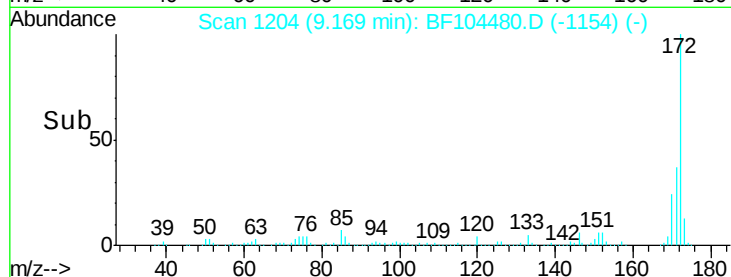
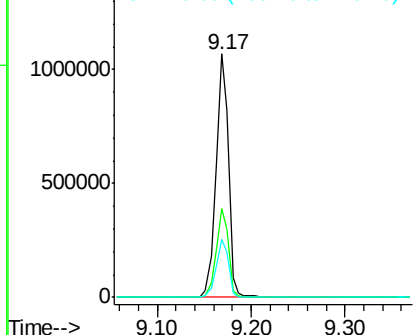
#44
2-Fluorobiphenyl
Concen: 64.586 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1008035
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 23.6 19.6 29.4

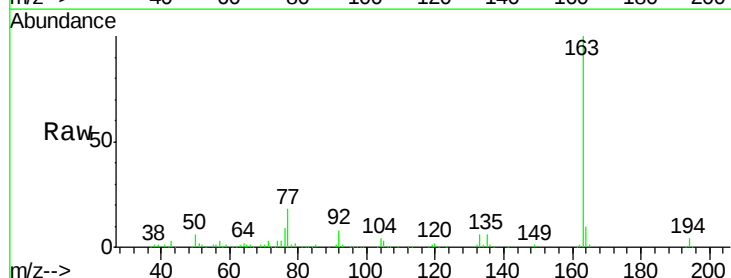


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

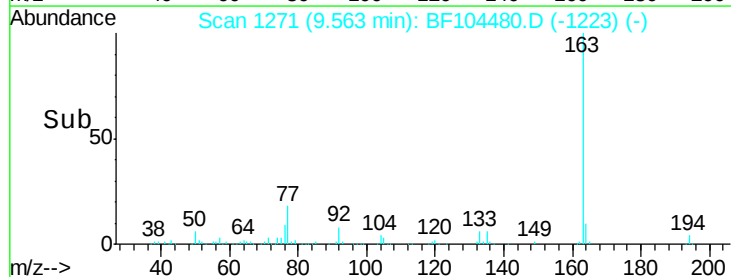
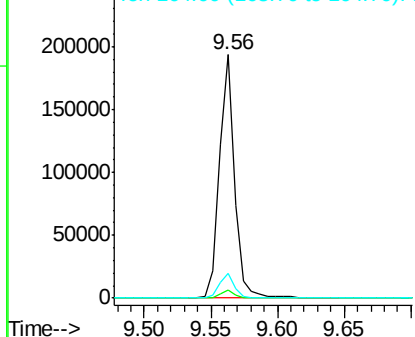


#49
Dimethylphthalate
Concen: 8.043 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion:163 Resp: 156383
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.2 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

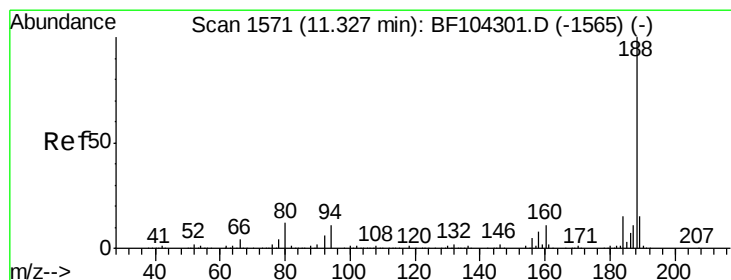
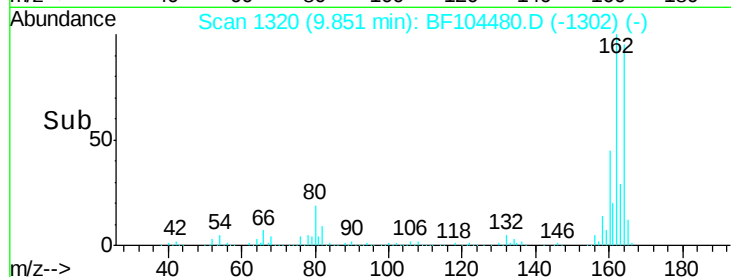
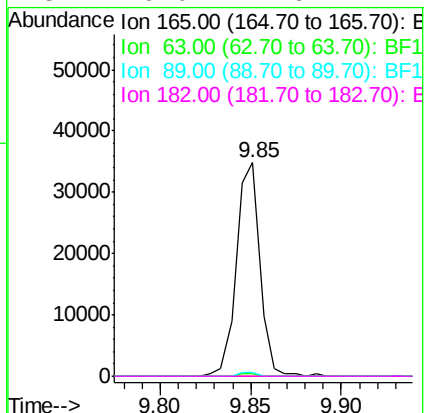
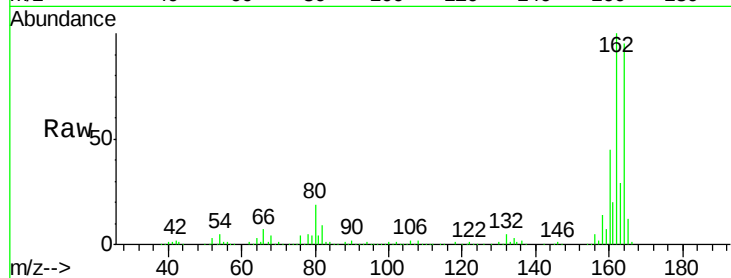




#56
2,4-Dinitrotoluene
Concen: 6.690 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

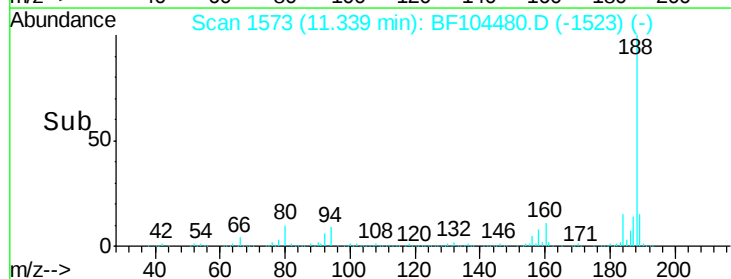
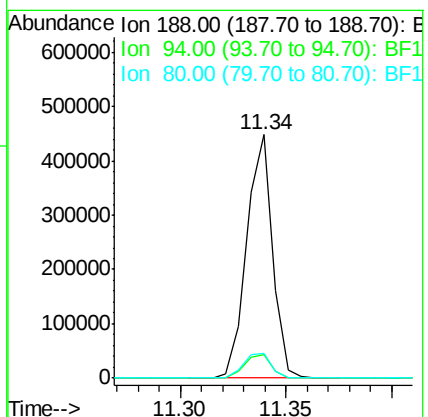
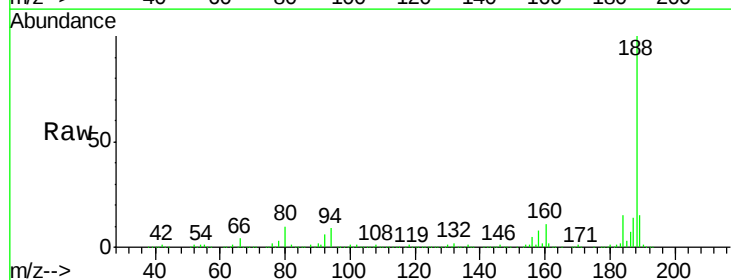
Instrument :
BNA_F
ClientSampled :

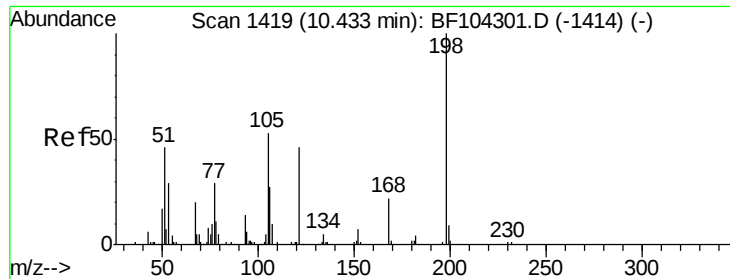
Tot Ion:	165	Resp:	31571
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion:	188	Resp:	379609
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8

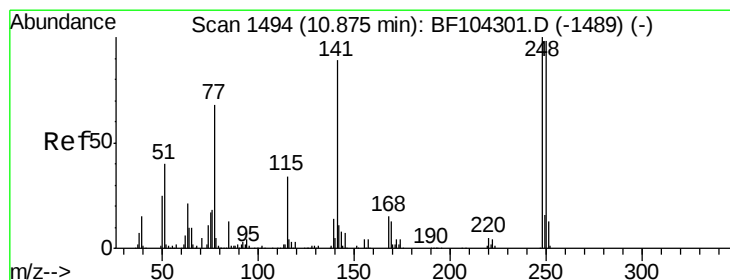
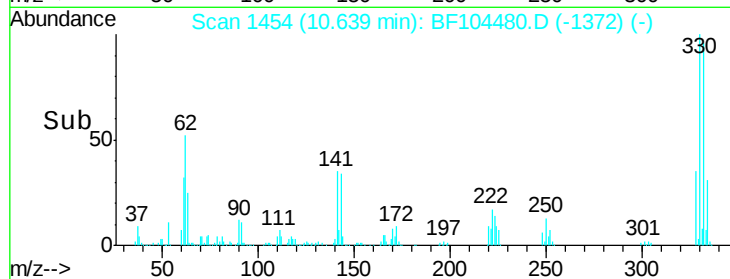
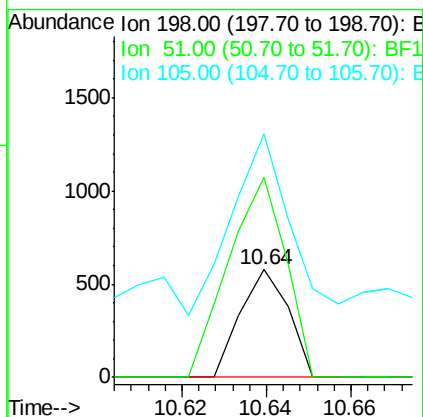
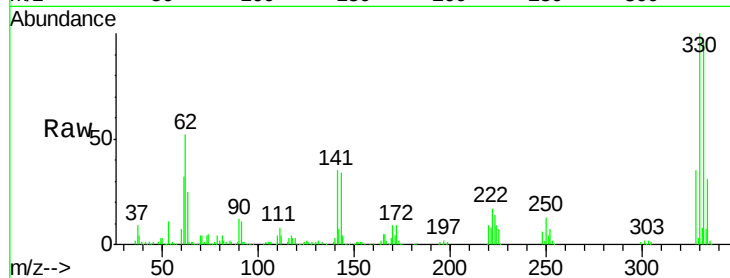




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.556 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104480.D
 Acq: 13 Apr 2018 16:01

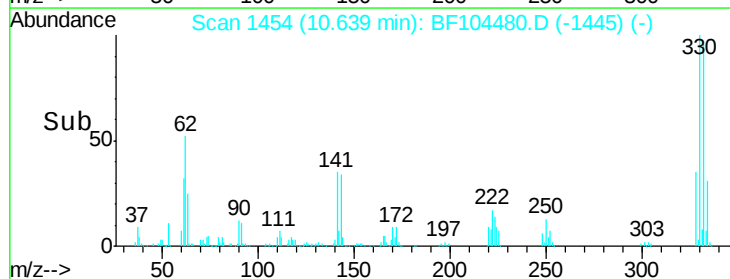
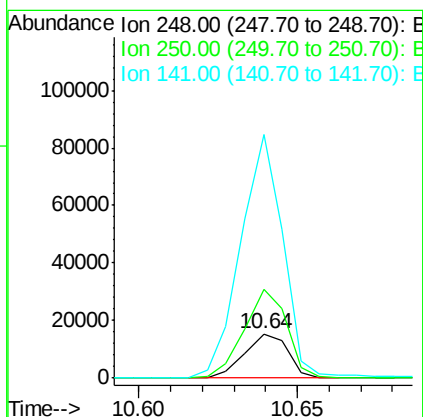
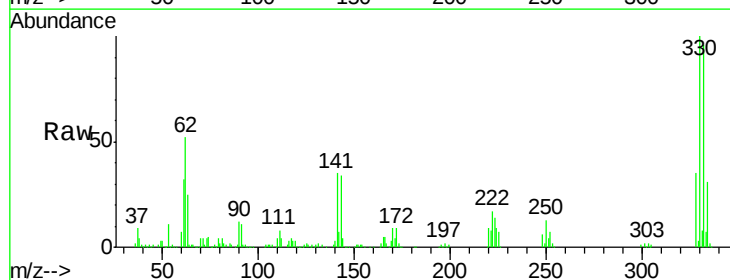
Instrument :
 BNA_F
 ClientSampleId :

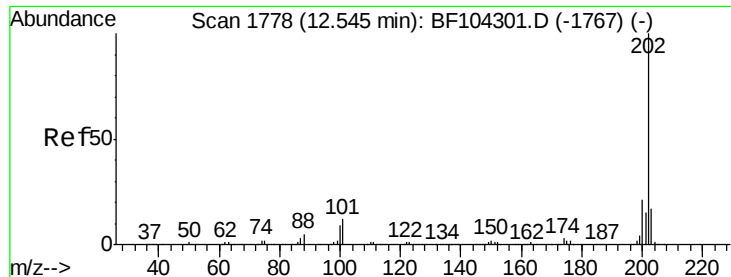
Tot Ion:198 Resp: 457
 Ion Ratio Lower Upper
 198 100
 51 186.5 37.7 77.7#
 105 226.3 36.3 76.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.616 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104480.D
 Acq: 13 Apr 2018 16:01

Tgt Ion:248 Resp: 14601
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.9 115.3#
 141 548.2 74.4 111.6#





#74

Fluoranthene

Concen: 2.868 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

Instrument :

BNA_F

ClientSampleId :

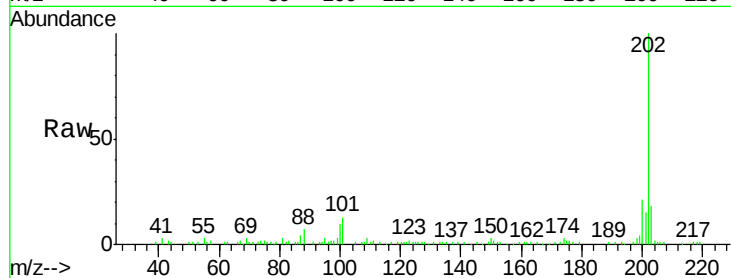
Tot Ion:202 Resp: 63339

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

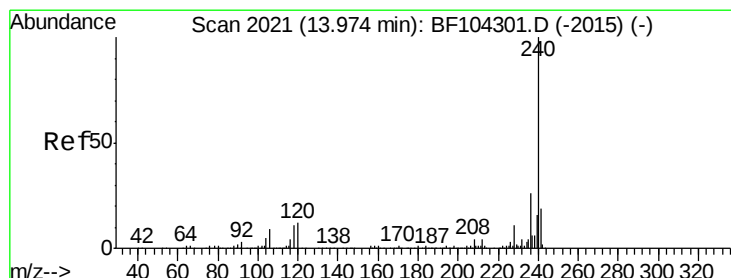
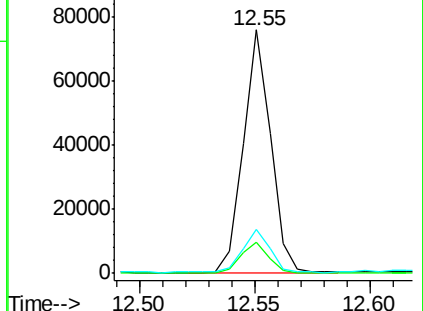
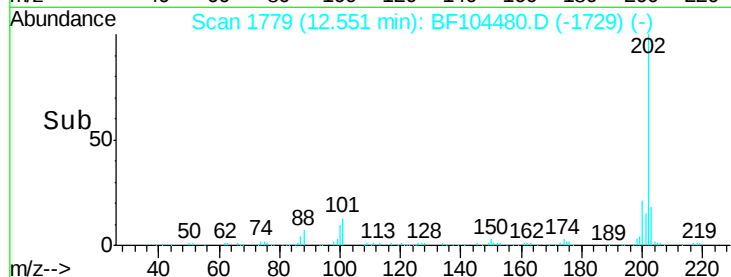
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

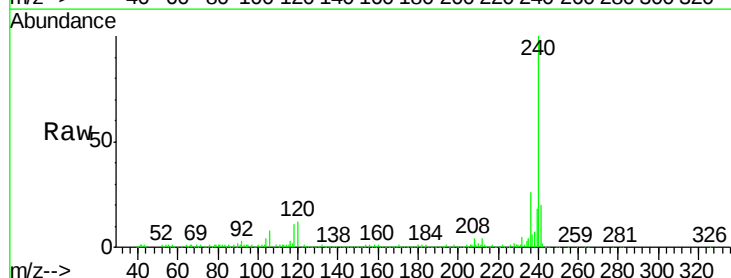
Tgt Ion:240 Resp: 269970

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

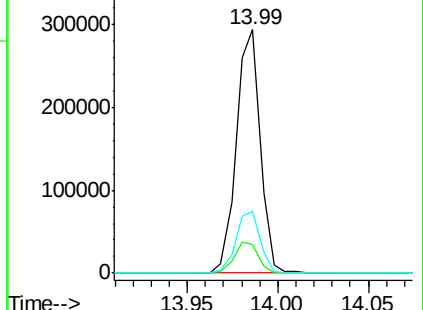
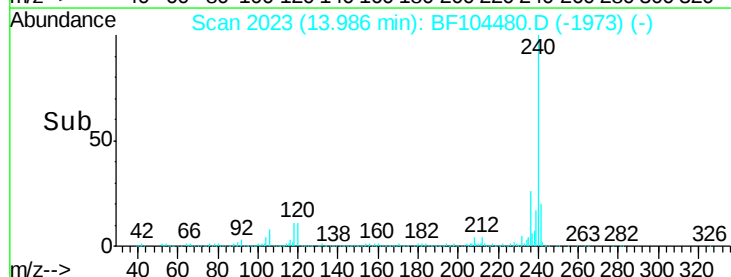
236 25.5 20.7 31.1

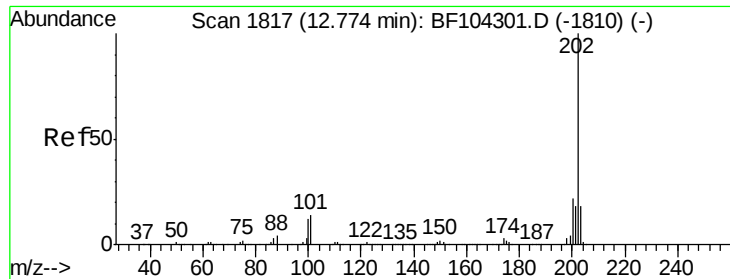


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.006 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

Instrument :

BNA_F

ClientSampleId :

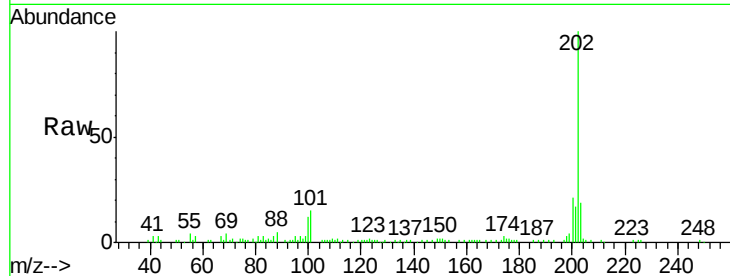
Tot Ion:202 Resp: 60153

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

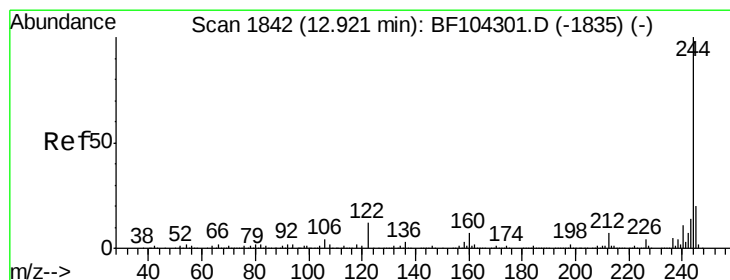
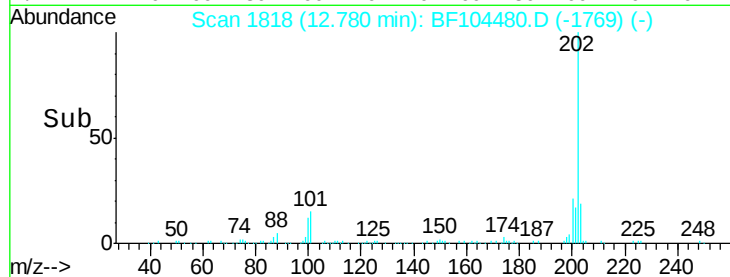
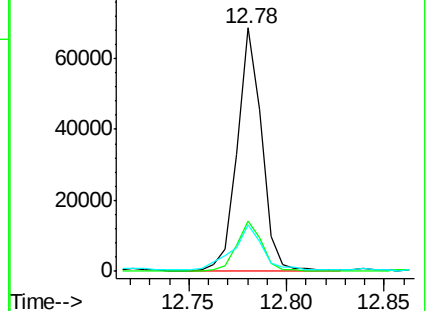
203 19.2 14.3 21.5



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: 64.558 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

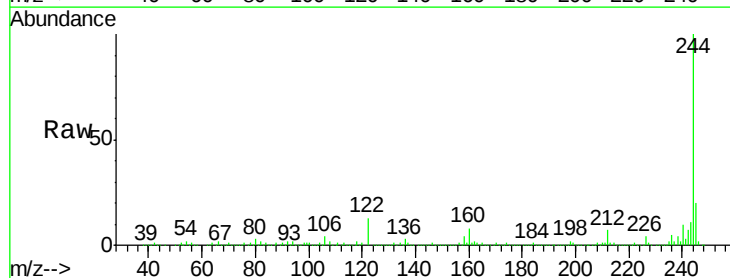
Tgt Ion:244 Resp: 764471

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

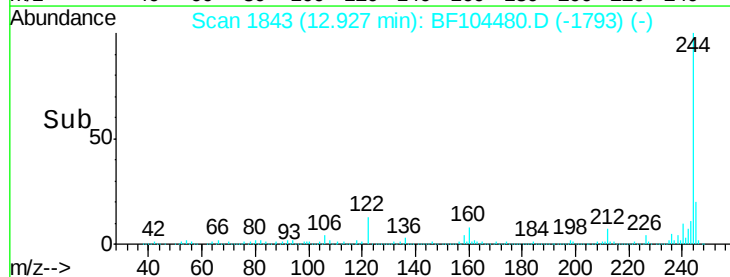
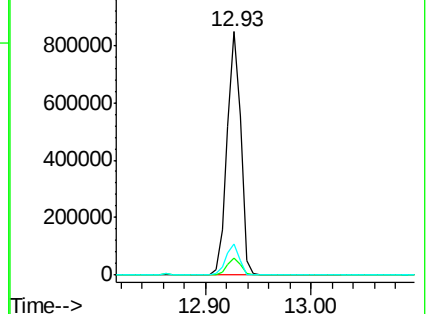
122 12.6 11.0 16.4

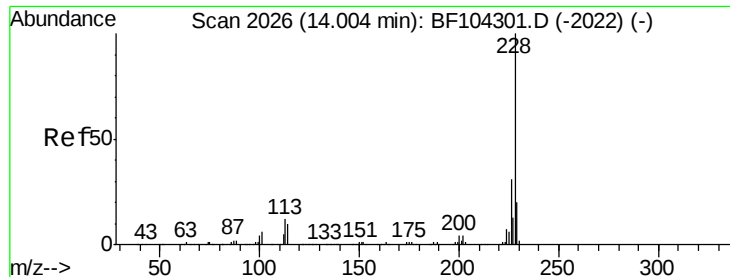


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#82

Chrysene

Concen: 2.050 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

Instrument :

BNA_F

ClientSampleId :

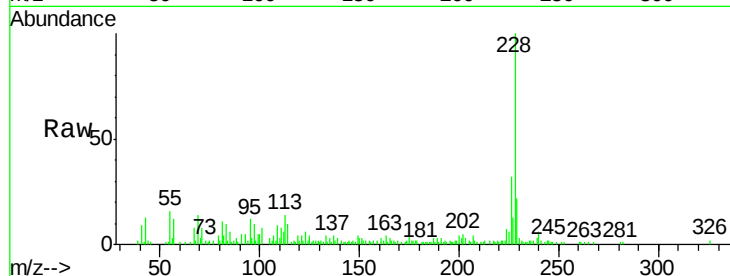
Tot Ion:228 Resp: 33965

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

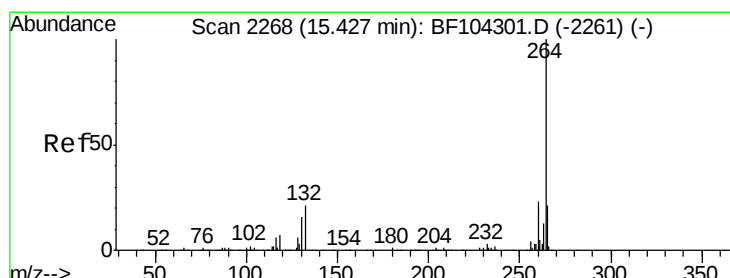
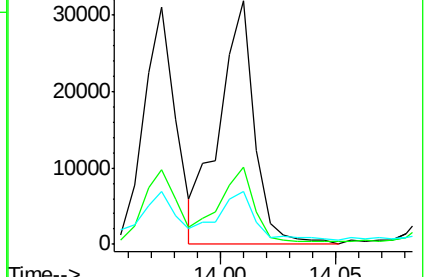
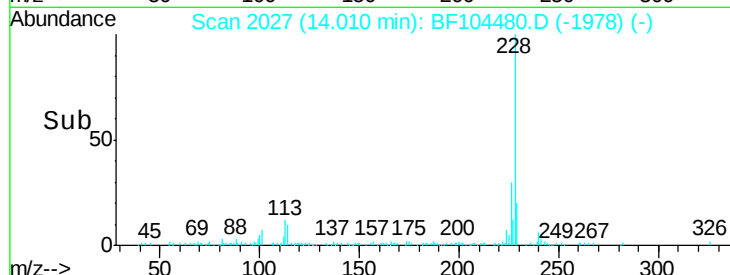
229 21.8 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104480.D

Acq: 13 Apr 2018 16:01

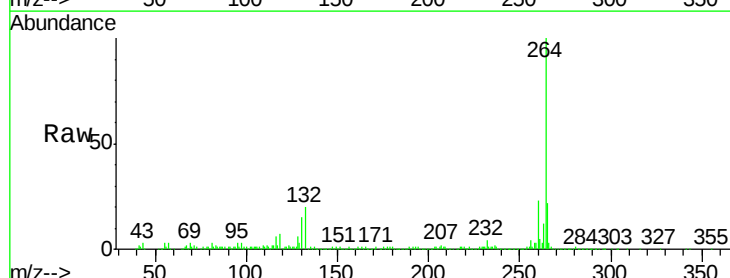
Tgt Ion:264 Resp: 231486

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

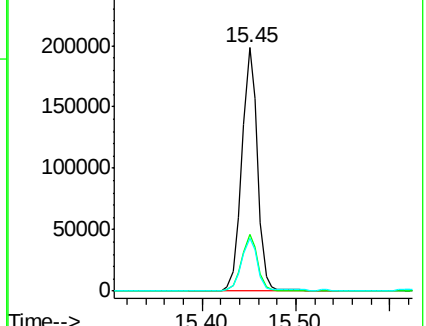
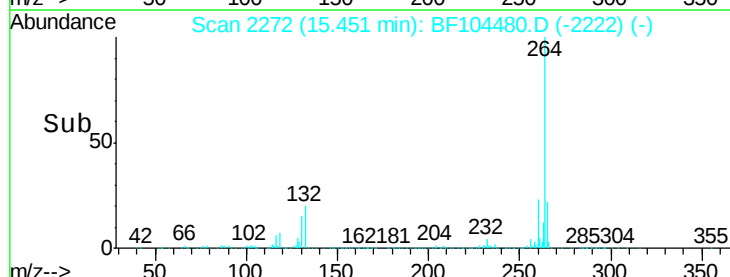
265 21.8 17.5 26.3

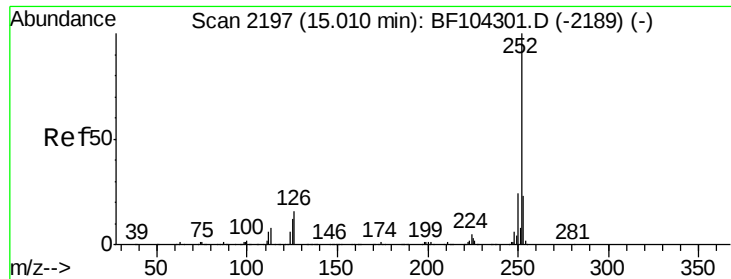


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

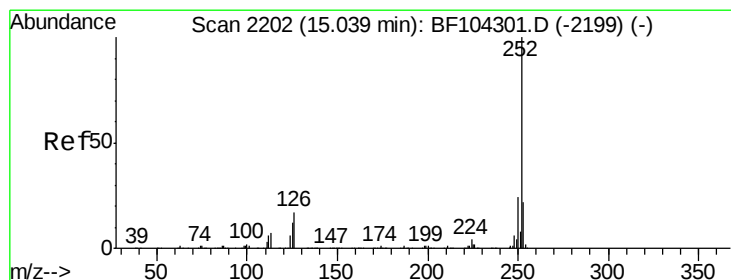
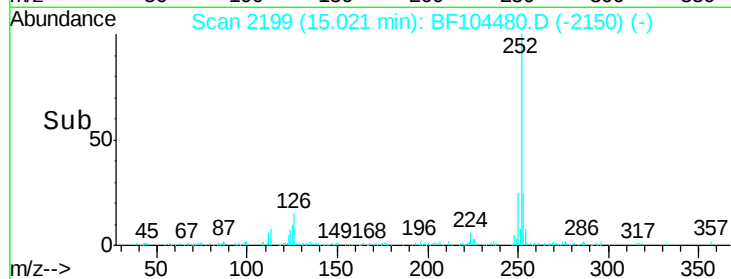
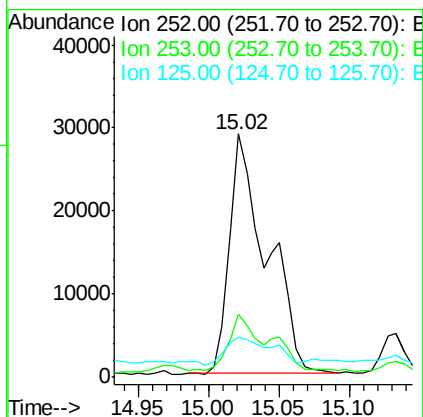
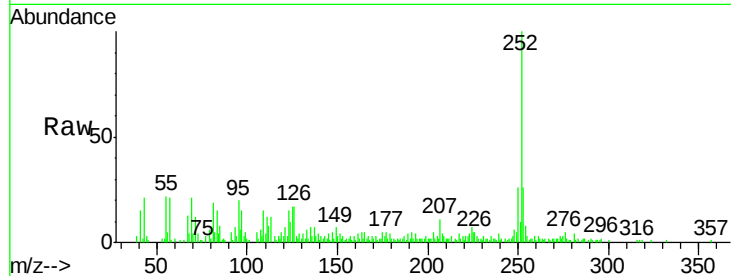




#87
Benzo(b)fluoranthene
Concen: 3.656 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6#
125	16.6	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.873 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104480.D
Acq: 13 Apr 2018 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.9	26.9
125	16.6	10.2	15.2#

