

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104449.D
 Acq On : 12 Apr 2018 14:28
 Operator : JU/SJ
 Sample : J2163-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 17:08:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	144268	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	595373	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	270492	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	449100	20.00	ng	0.00
75) Chrysene-d12	13.98	240	289128	20.00	ng	-0.01
86) Perylene-d12	15.46	264	271994	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	906802	96.11	ng	0.01
7) Phenol-d6	6.44	99	1107382	95.52	ng	0.00
23) Nitrobenzene-d5	7.37	82	691800	75.87	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	264061	94.11	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1115500	65.15	ng	0.00
78) Terphenyl-d14	12.93	244	875727	69.05	ng	0.00

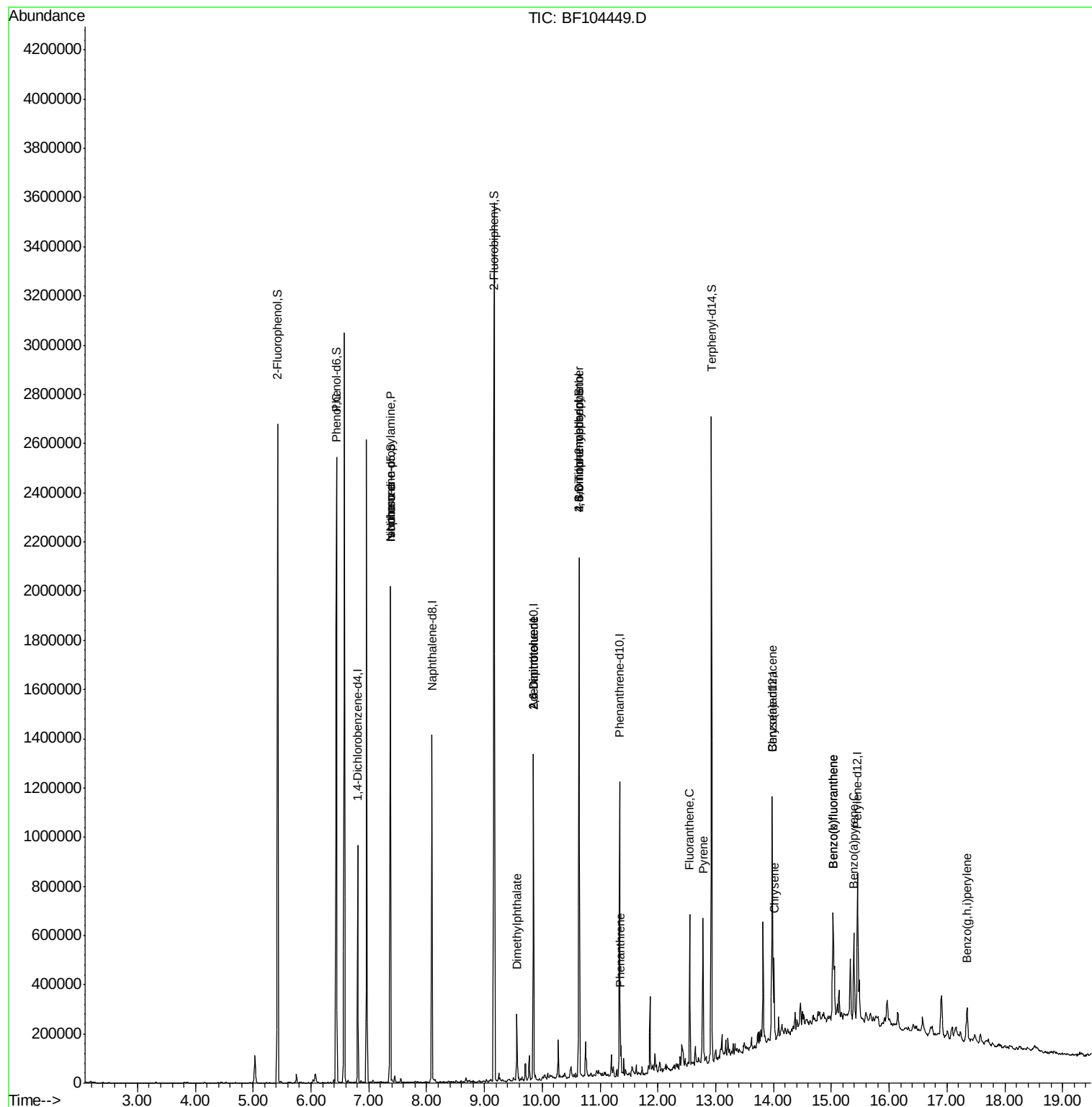
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	1922	Below Cal	#	1
10) Phenol	6.45	94	24663	2.005	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	91498	12.078	ng	# 73
25) Isophorone	7.37	82	691791	35.880	ng	# 64
49) Dimethylphthalate	9.56	163	100244	4.700	ng	100
50) 2,6-Dinitrotoluene	9.85	165	35197	8.918	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	35197	6.798	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	506	7.543	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16136	3.378	ng	# 1
70) Phenanthrene	11.36	178	55569	2.222	ng	98
74) Fluoranthene	12.55	202	218242	8.352	ng	97
76) Benzidine	12.93	184	12153	Below Cal		99
77) Pyrene	12.78	202	228115	10.644	ng	98
80) Benzo(a)anthracene	13.97	228	138260	8.004	ng	95
82) Chrysene	14.01	228	135655	7.646	ng	96
87) Benzo(b)fluoranthene	15.03	252	306999	17.871	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	306999	18.929	ng	97
89) Benzo(a)pyrene	15.39	252	164082	10.675	ng	97
91) Benzo(a,h,i)perylene	17.34	276	110386	9.025	ng	94

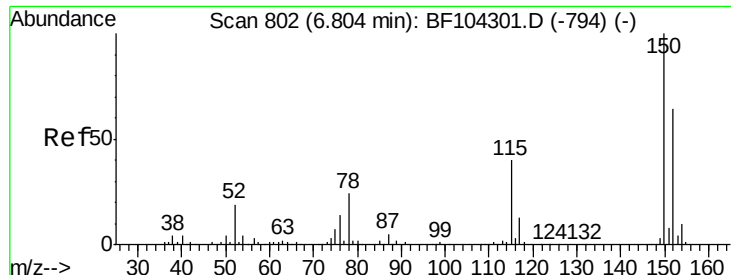
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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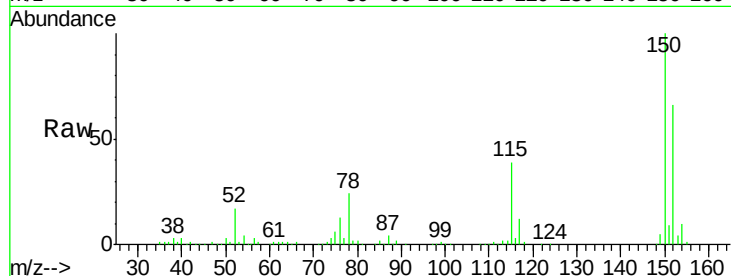


#1

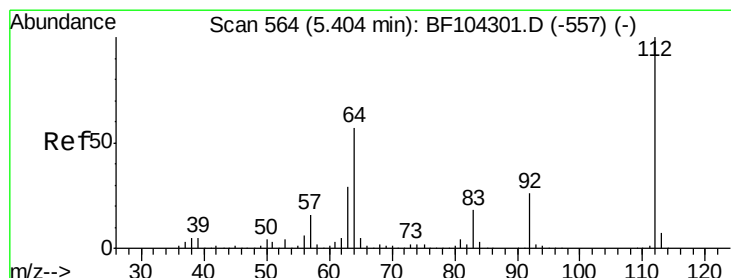
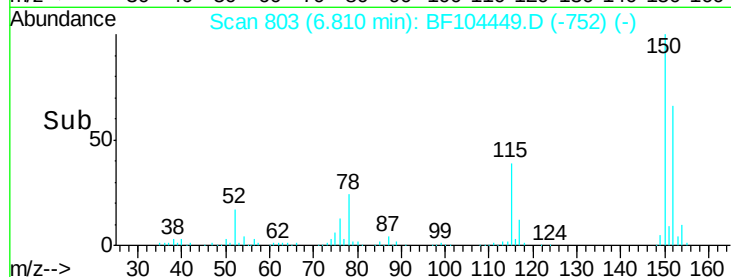
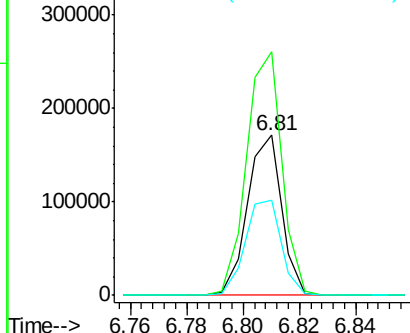
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 144268
 Ion Ratio Lower Upper
 152 100
 150 152.3 124.6 186.8
 115 59.7 50.1 75.1



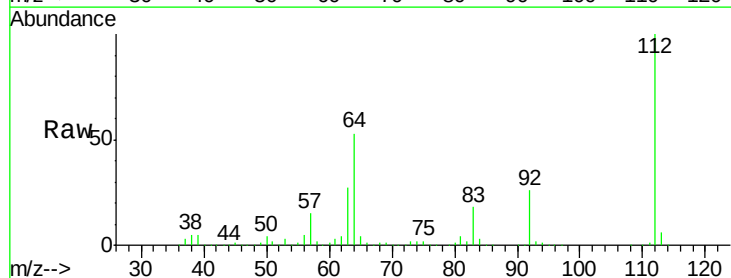
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



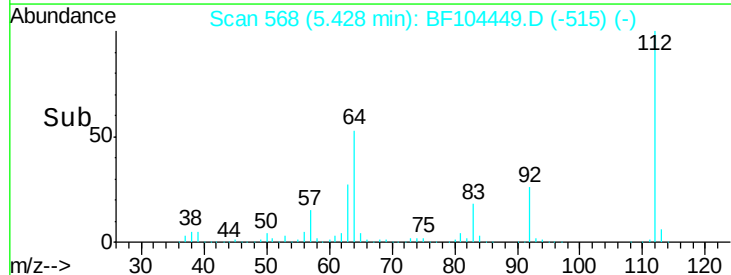
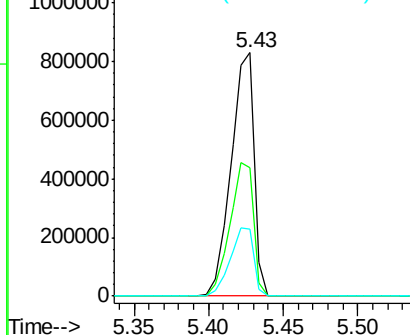
#5

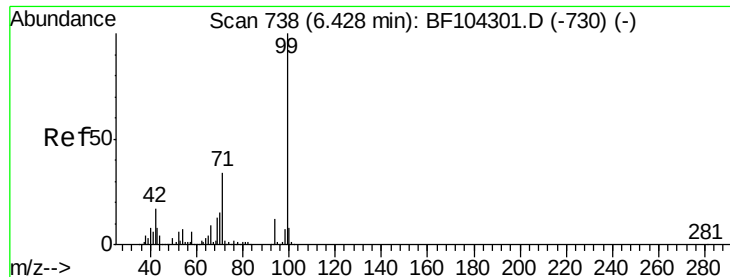
2-Fluorophenol
 Concen: 96.109 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

Tgt Ion:112 Resp: 906802
 Ion Ratio Lower Upper
 112 100
 64 52.8 47.9 71.9
 63 27.3 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: 95.524 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampleId :

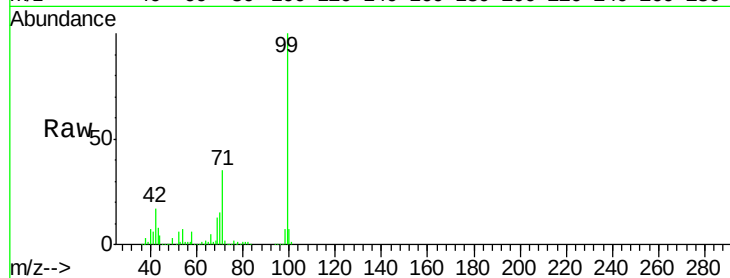
Tot Ion: 99 Resp: 1107382

Ion Ratio Lower Upper

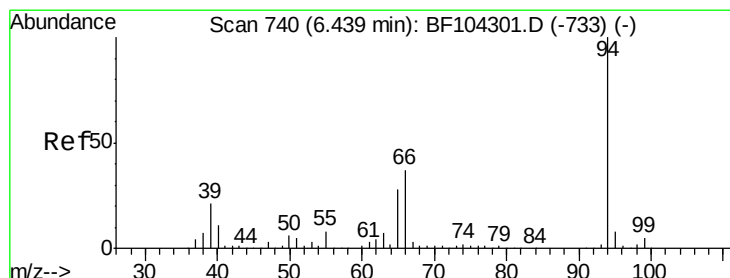
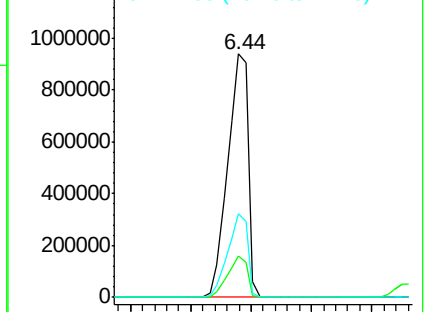
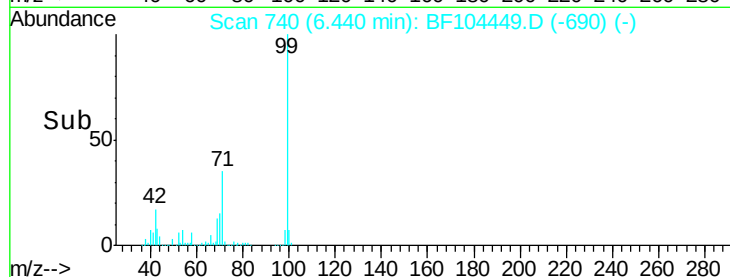
99 100

42 16.8 14.5 21.7

71 34.5 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: 2.005 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

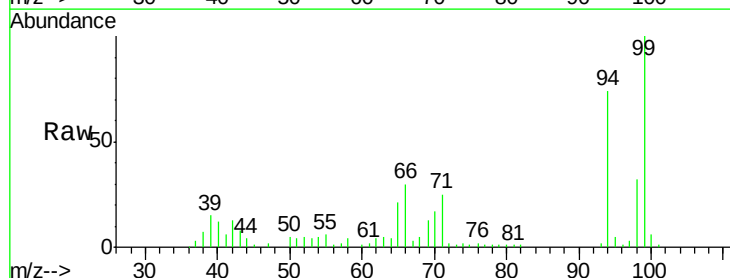
Tgt Ion: 94 Resp: 24663

Ion Ratio Lower Upper

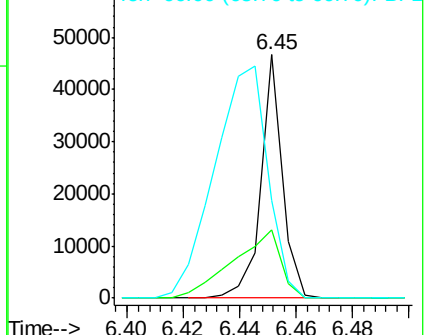
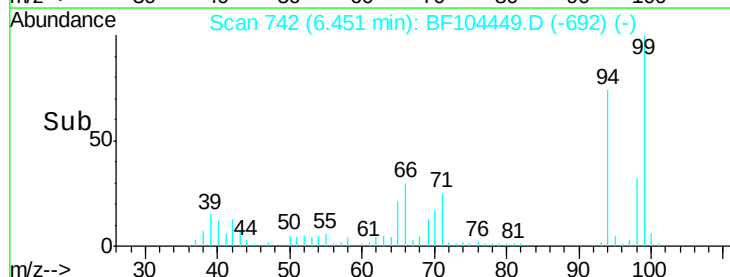
94 100

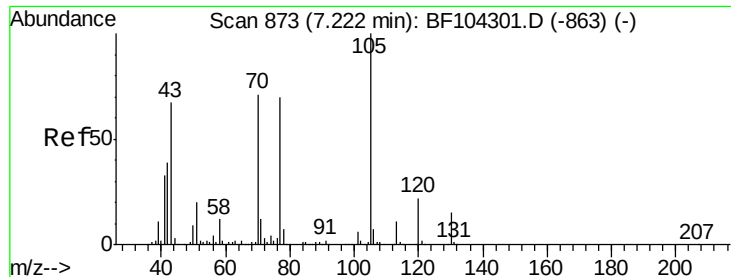
65 28.2 7.9 47.9

66 39.9 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

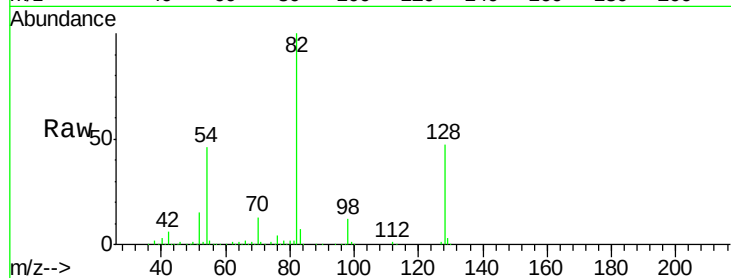




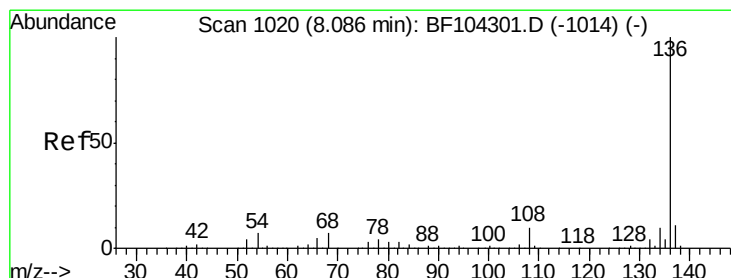
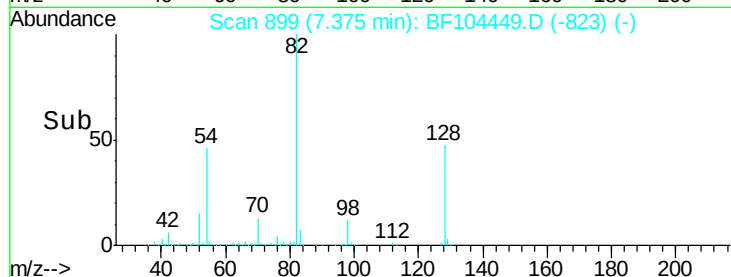
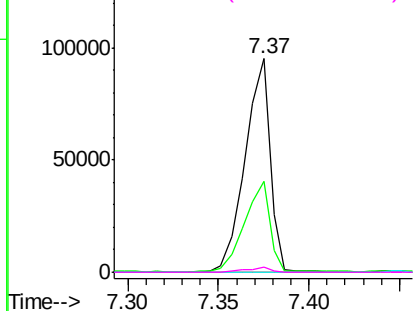
#19
n-Nitroso-di-n-propylamine
Concen: 12.078 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampled :

Tot Ion: 70 Resp: 91498
Ion Ratio Lower Upper
70 100
42 42.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

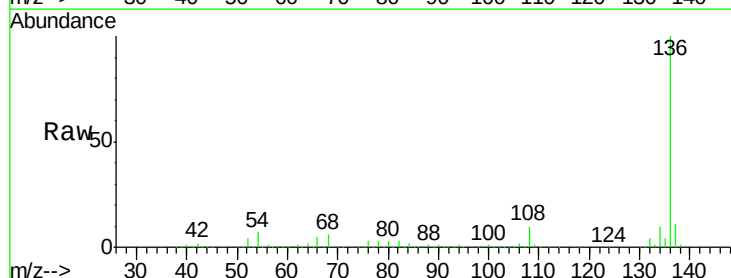


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

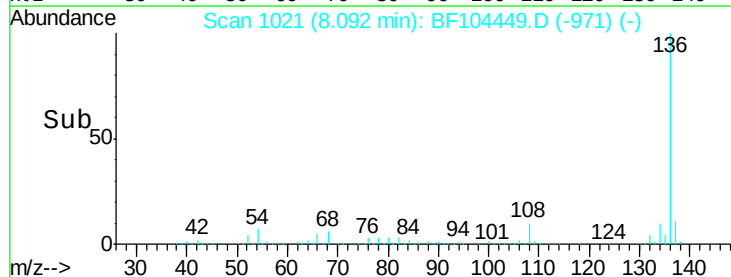
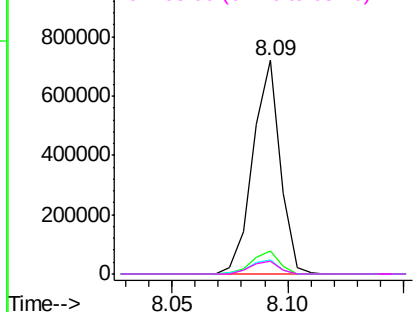


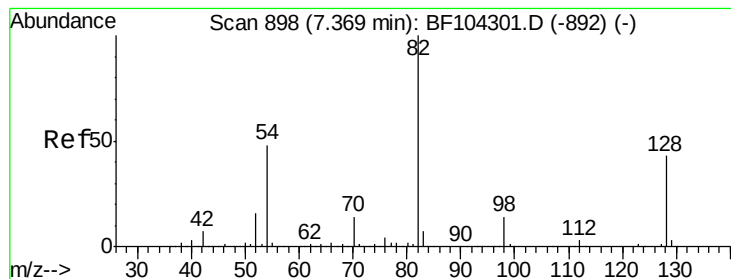
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion:136 Resp: 595373
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 6.6 9.8
68 5.8 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: 75.874 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampled :

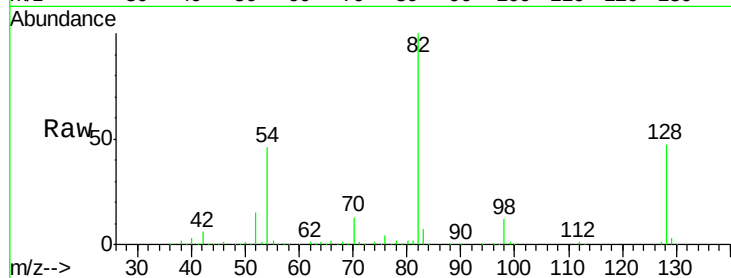
Tot Ion: 82 Resp: 691800

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

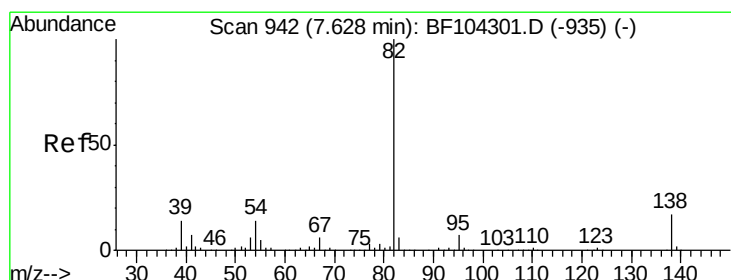
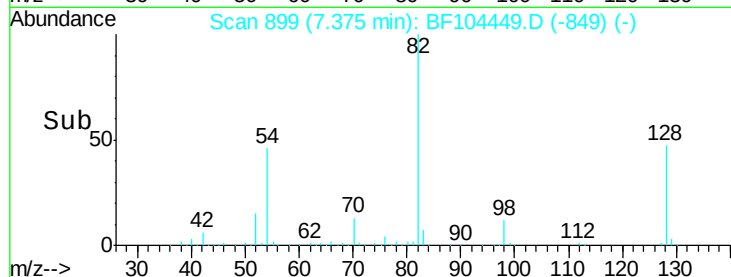
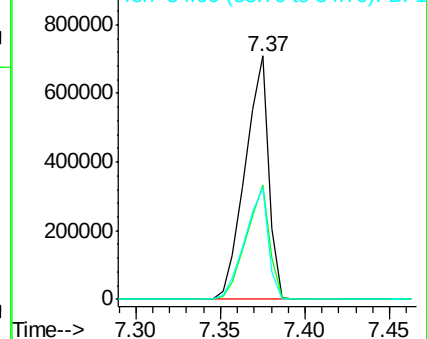
54 45.7 41.4 62.2



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: 35.880 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

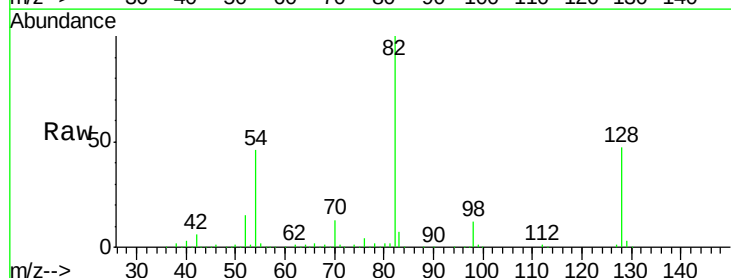
Tgt Ion: 82 Resp: 691791

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

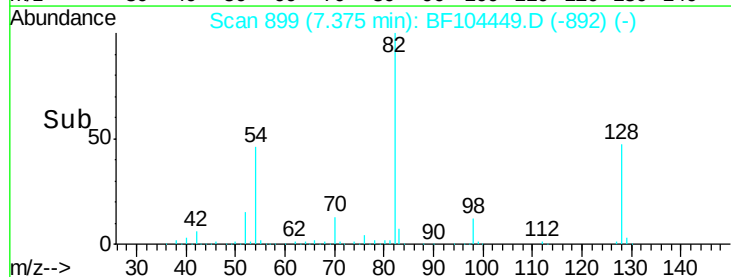
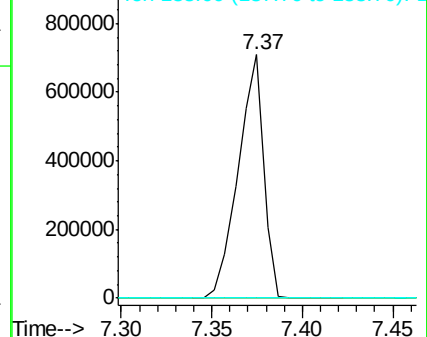
138 0.0 14.9 22.3#

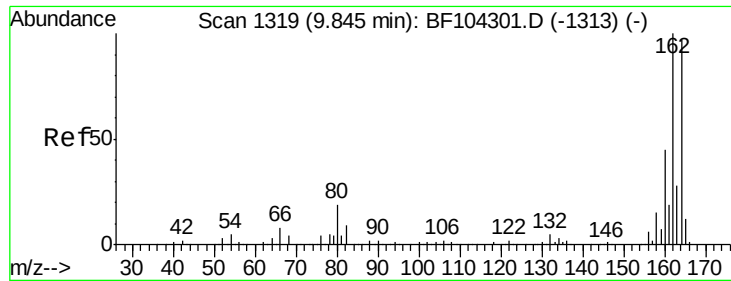


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

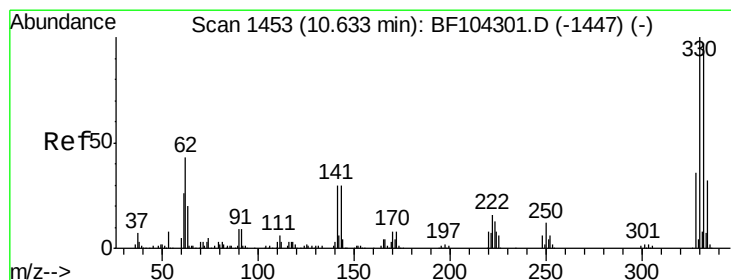
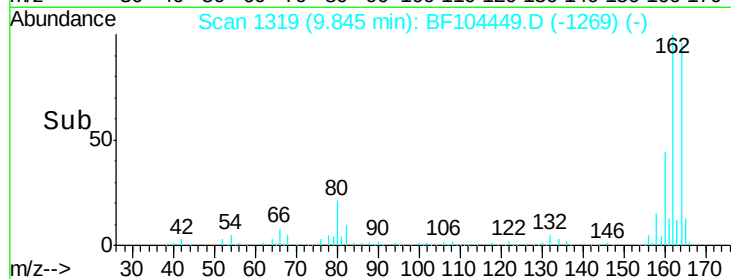
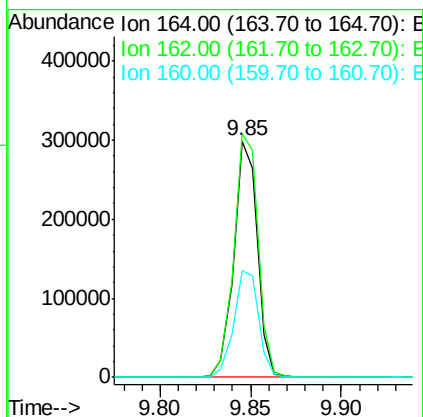
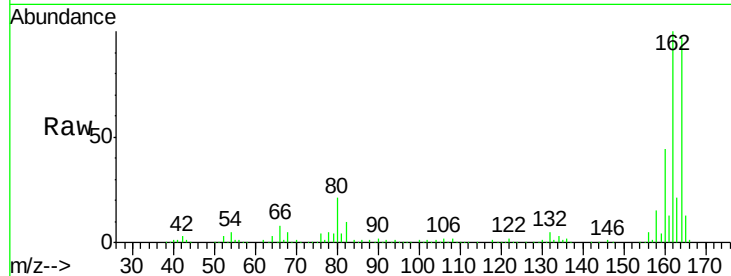




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

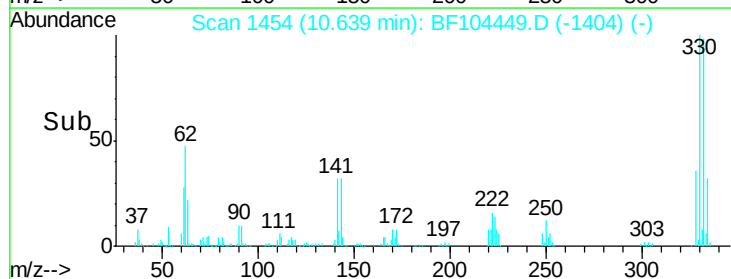
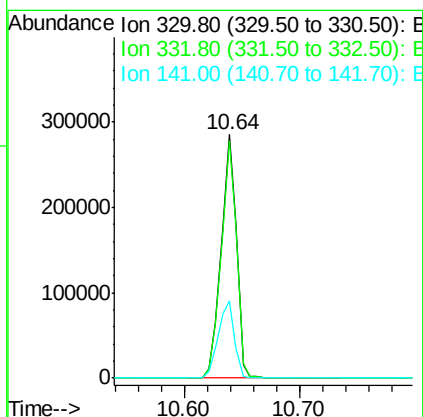
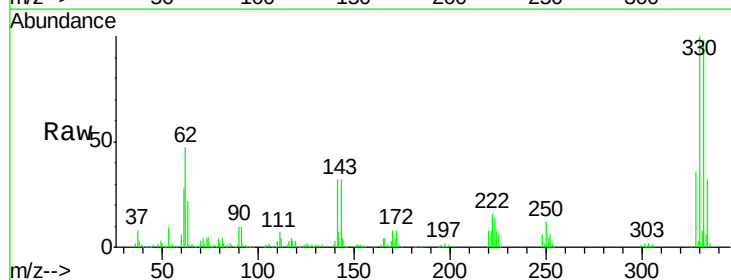
Instrument :
 BNA_F
 ClientSampleId :

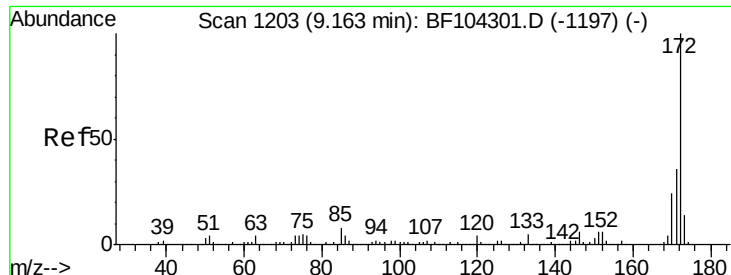
Tot Ion:164 Resp: 270492
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 94.110 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

Tgt Ion:330 Resp: 264061
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 33.4 29.9 44.9

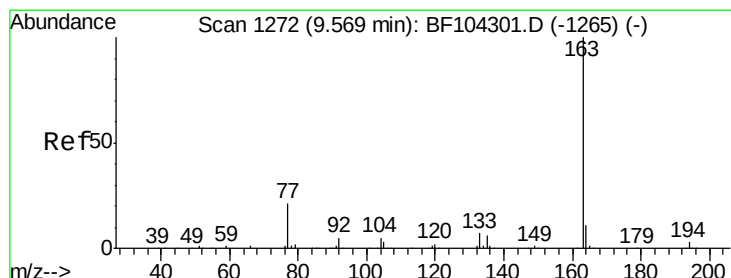
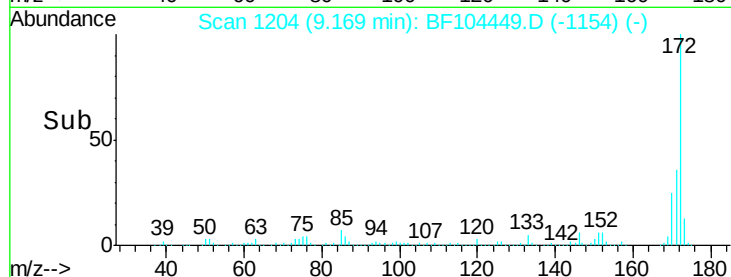
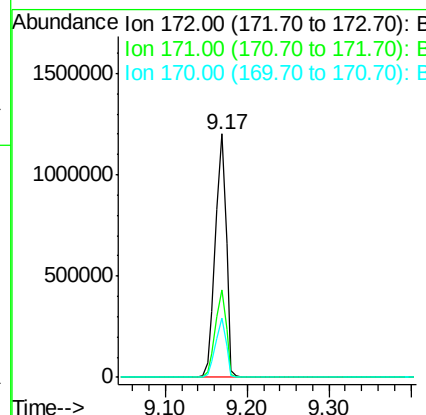
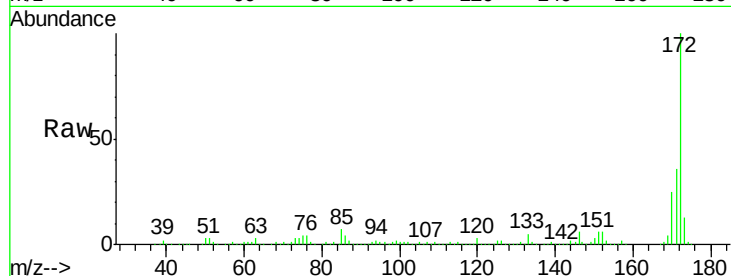




#44
2-Fluorobiphenyl
Concen: 65.148 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

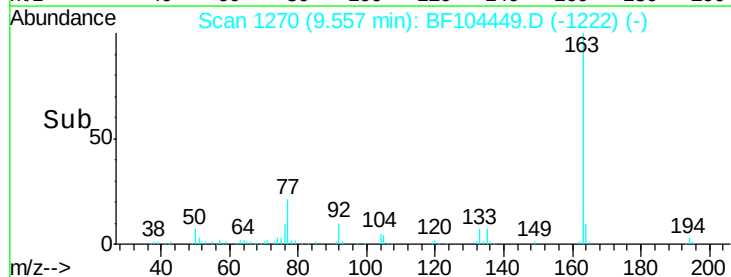
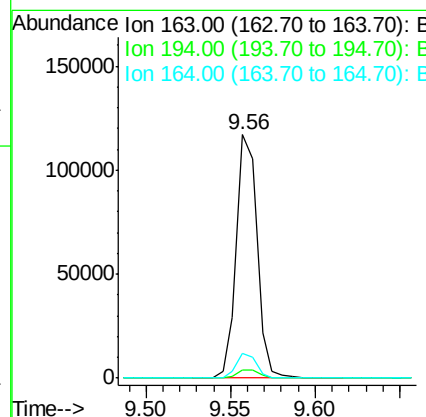
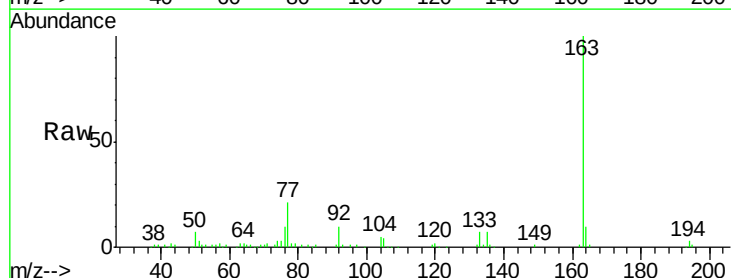
Instrument :
BNA_F
ClientSampleId :

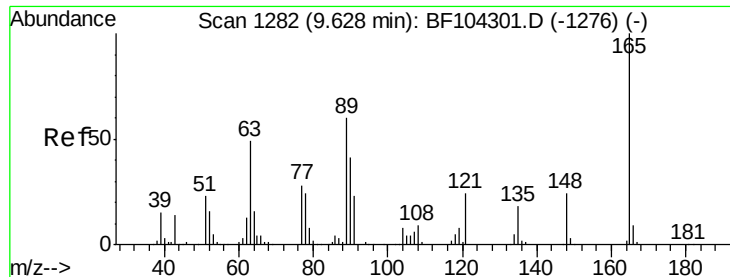
Tot Ion:172 Resp: 1115500
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.6 19.6 29.4



#49
Dimethylphthalate
Concen: 4.700 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion:163 Resp: 100244
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 8.2 12.2

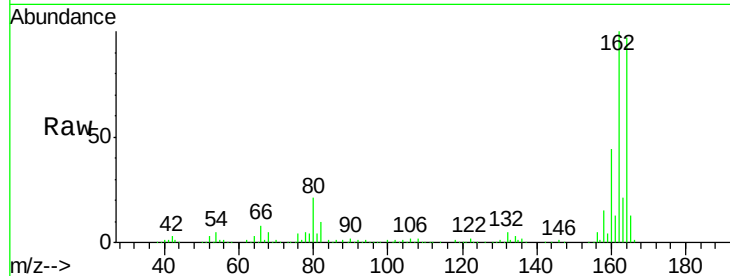




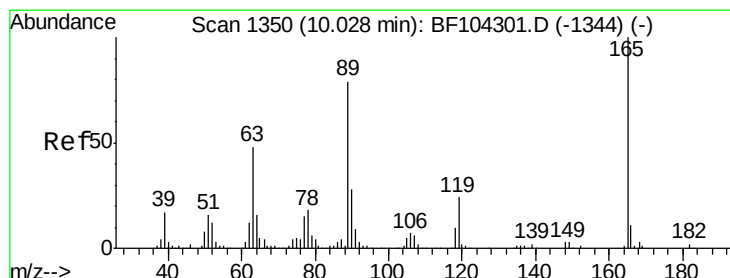
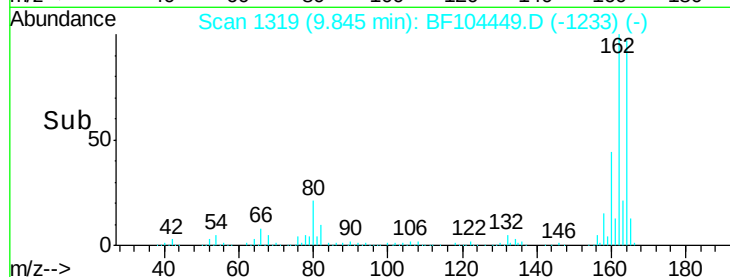
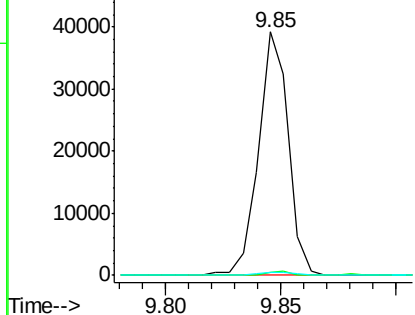
#50
2,6-Dinitrotoluene
Concen: 8.918 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#

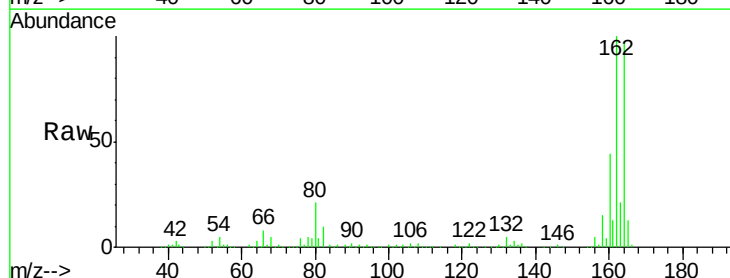


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

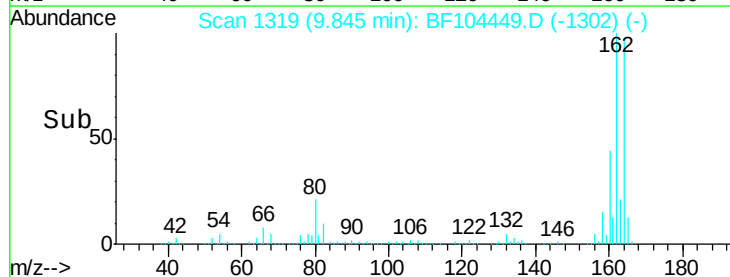
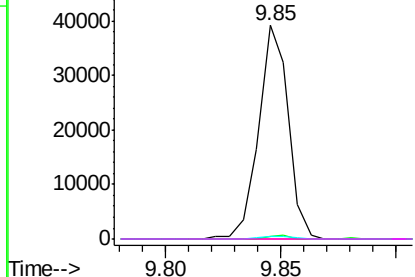


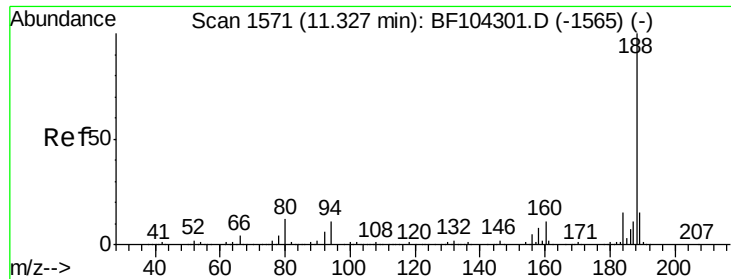
#56
2,4-Dinitrotoluene
Concen: 6.798 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



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
Ion 182.00 (181.70 to 182.70): E

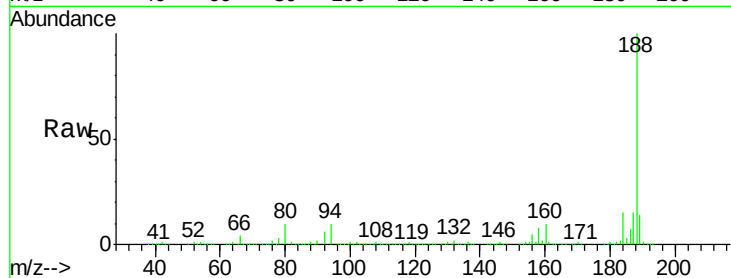




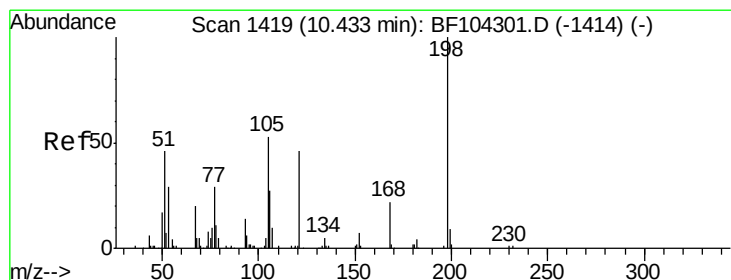
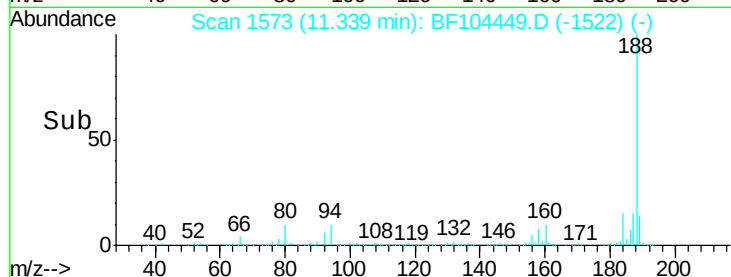
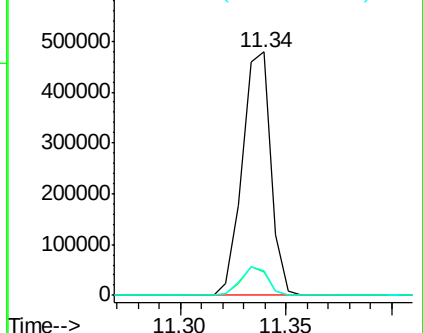
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 449100
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.0 9.2 13.8

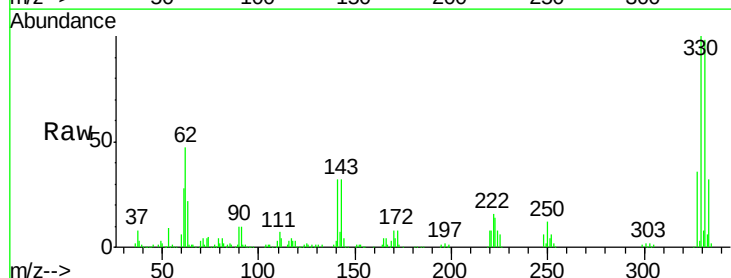


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

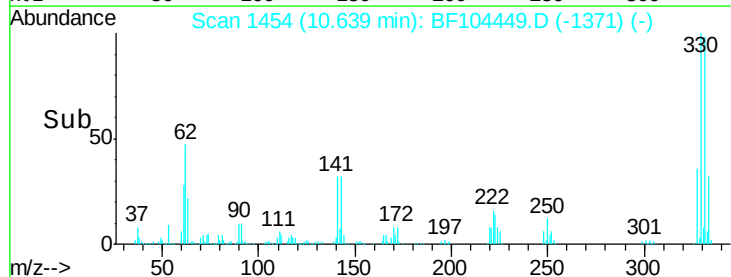
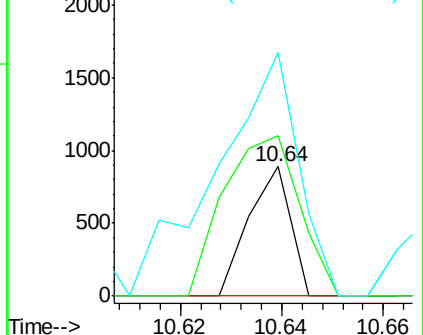


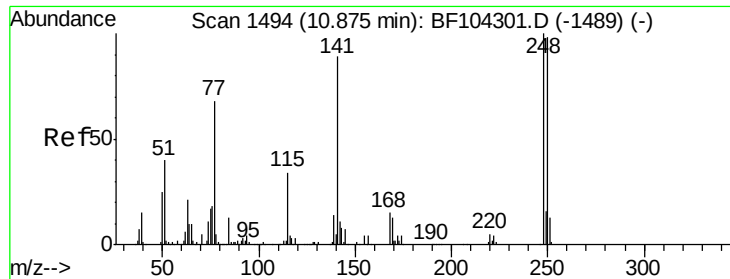
#64
4,6-Dinitro-2-methylphenol
Concen: 7.543 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion:198 Resp: 506
Ion Ratio Lower Upper
198 100
51 124.2 37.7 77.7#
105 188.0 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

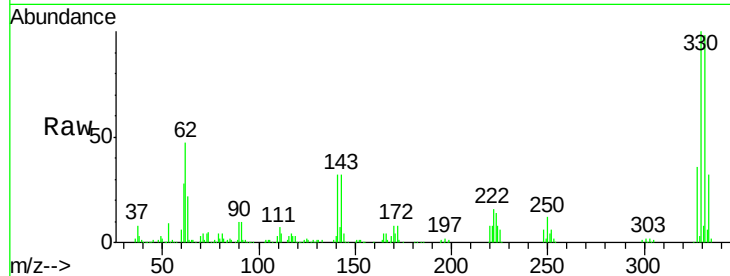




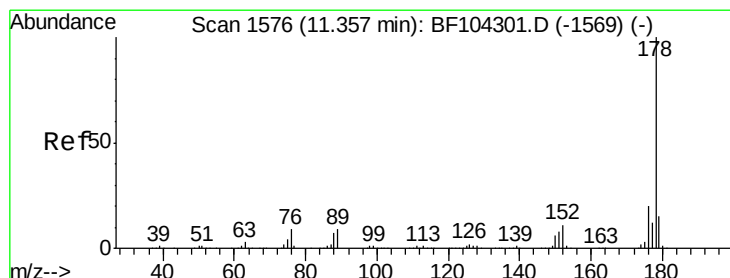
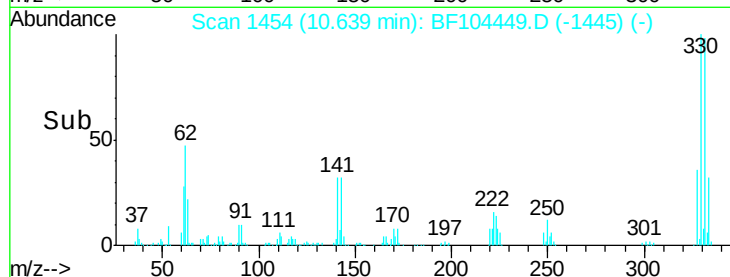
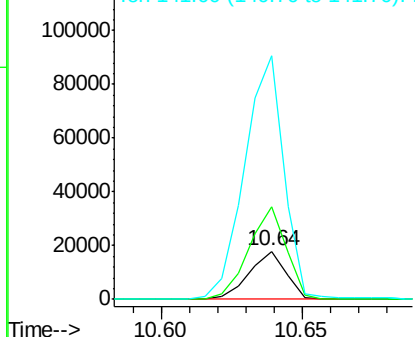
#66
 4-Bromophenyl-phenylether
 Concen: 3.378 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16136
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.9 115.3#
 141 509.6 74.4 111.6#

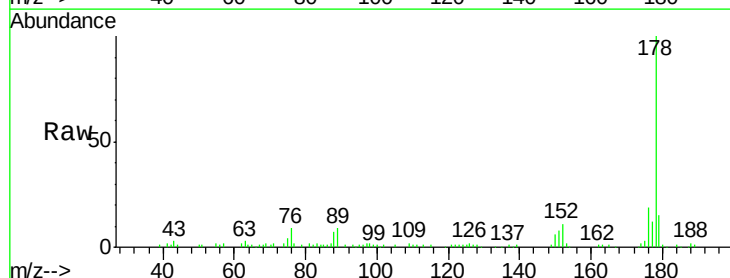


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

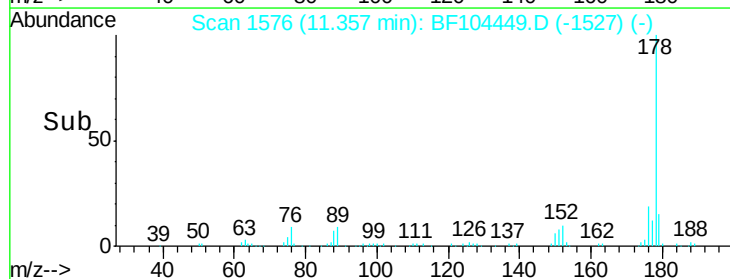
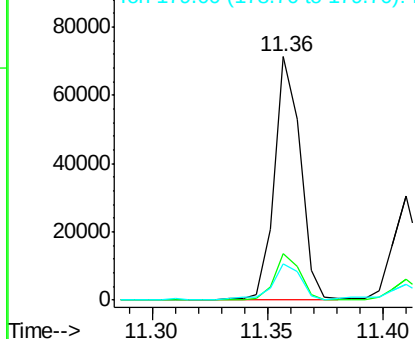


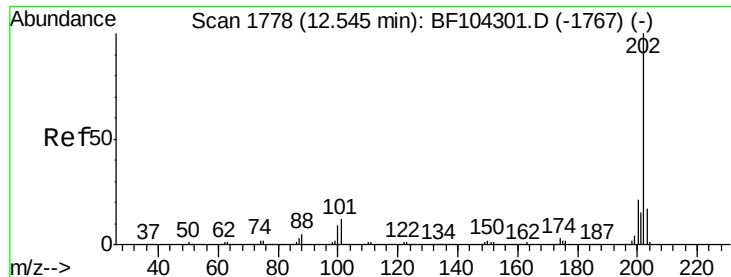
#70
 Phenanthrene
 Concen: 2.222 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF104449.D
 Acq: 12 Apr 2018 14:28

Tgt Ion:178 Resp: 55569
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.352 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampleId :

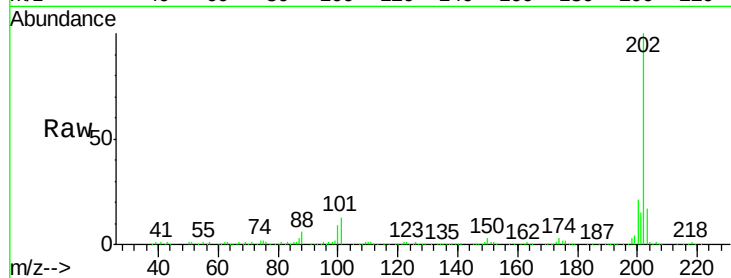
Tot Ion:202 Resp: 218242

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.1

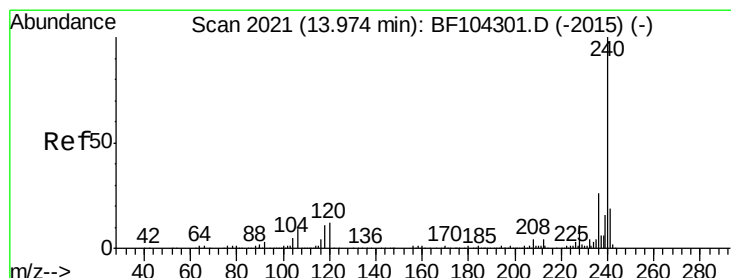
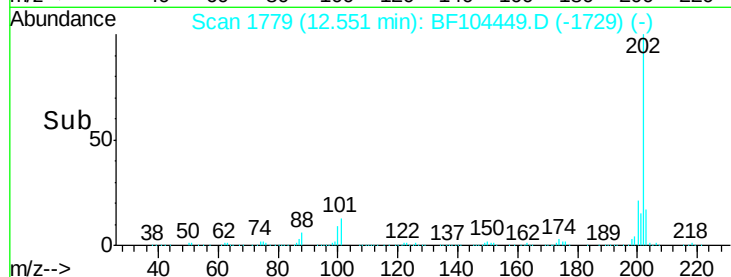
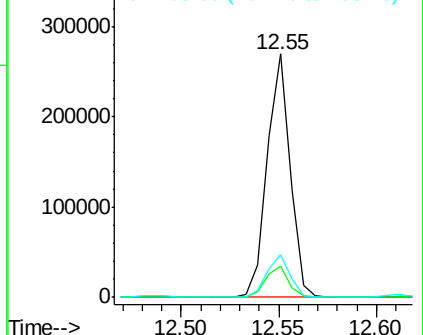
203 17.3 0.0 38.1



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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

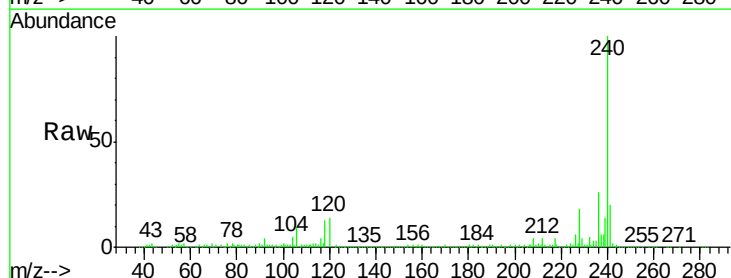
Tgt Ion:240 Resp: 289128

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

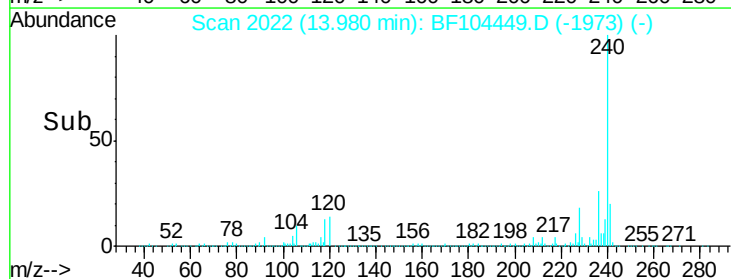
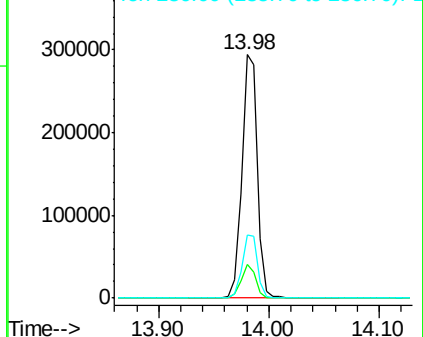
236 25.9 20.7 31.1

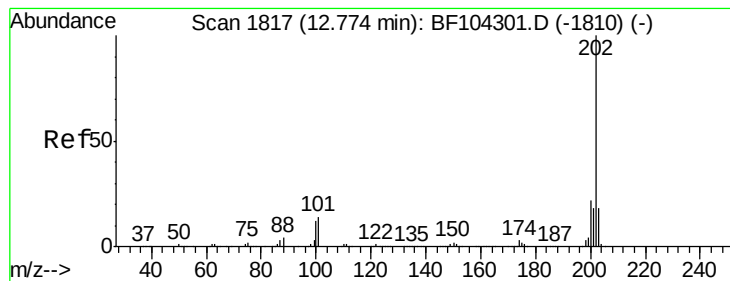


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.644 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampleId :

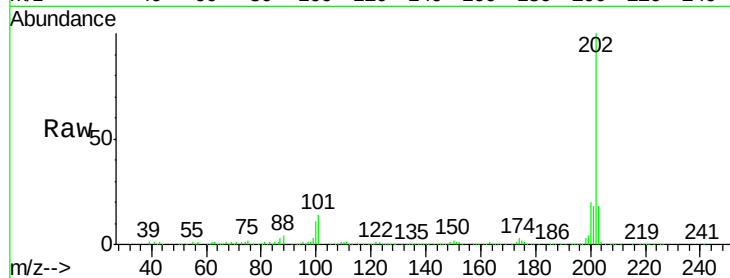
Tot Ion:202 Resp: 228115

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

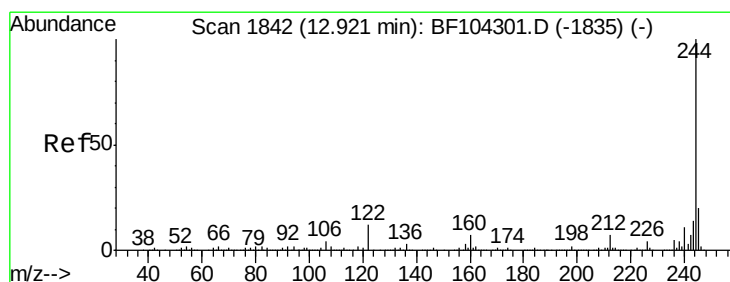
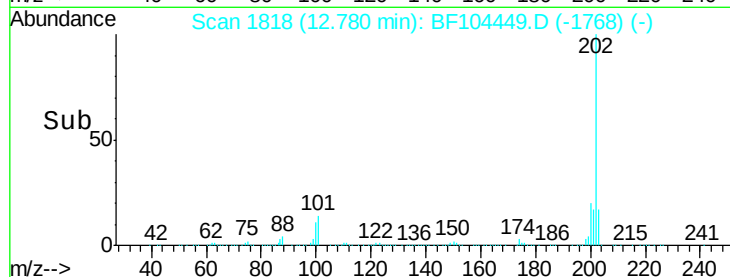
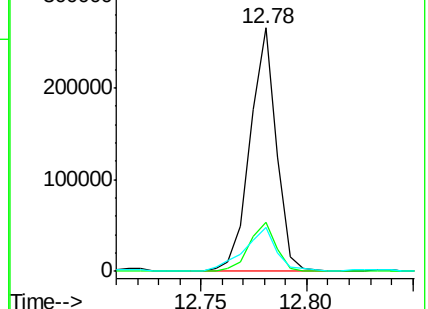
203 17.9 14.3 21.5



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: 69.053 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

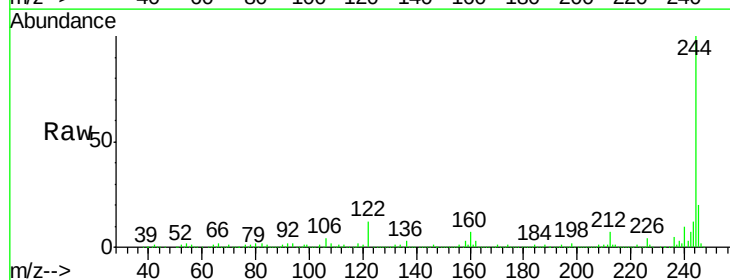
Tgt Ion:244 Resp: 875727

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

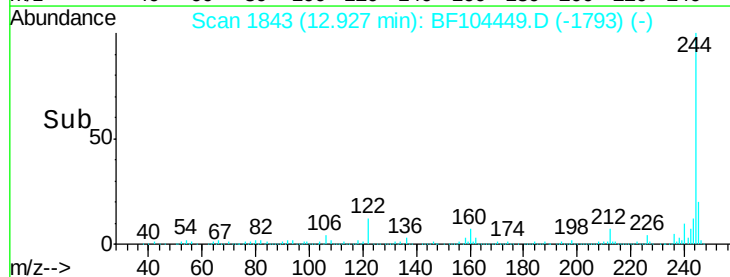
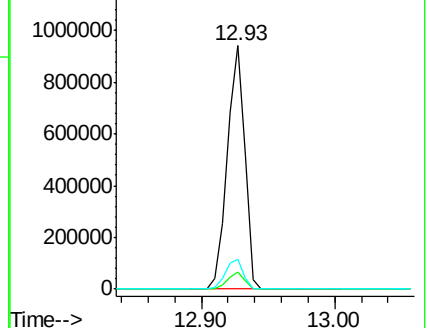
122 12.5 11.0 16.4

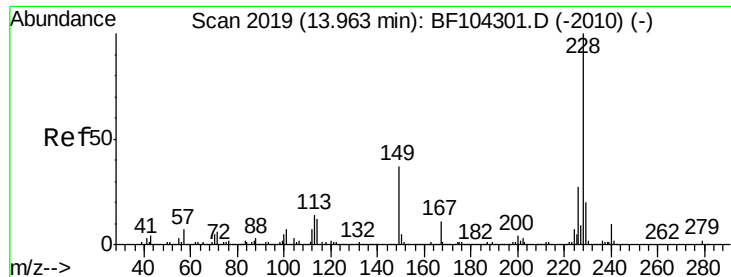


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

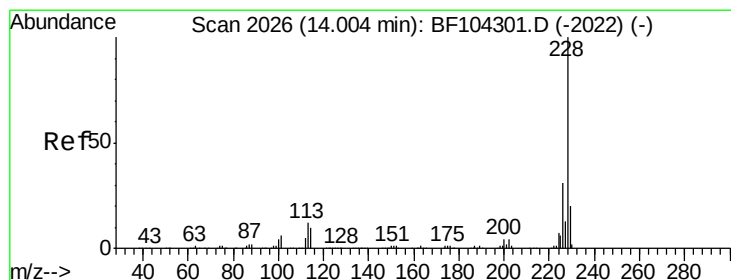
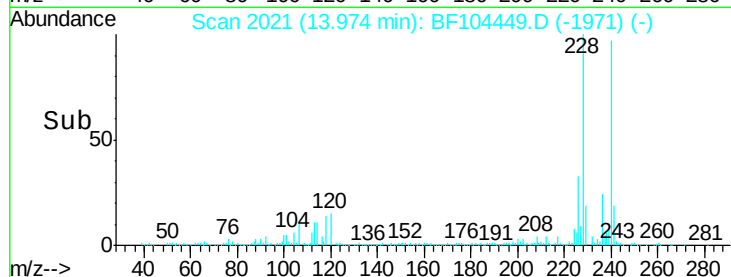
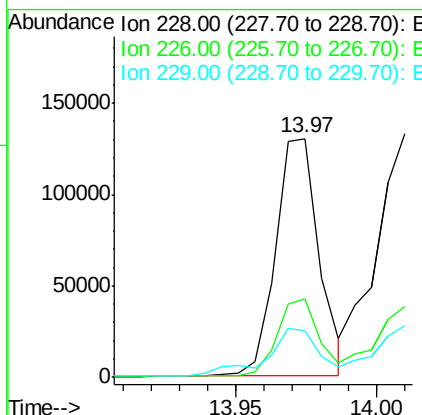
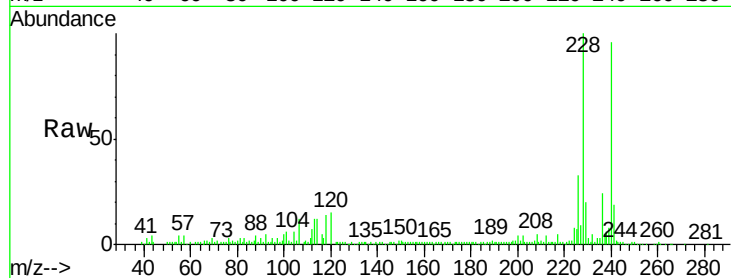




#80
Benzo(a)anthracene
Concen: 8.004 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

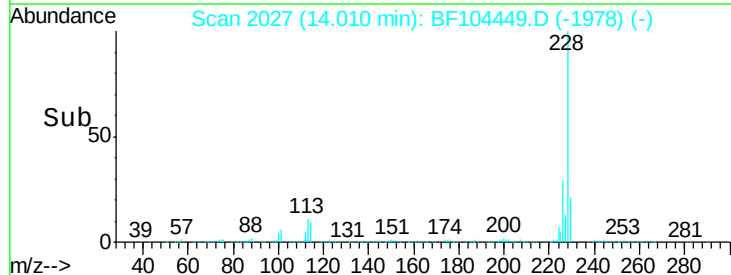
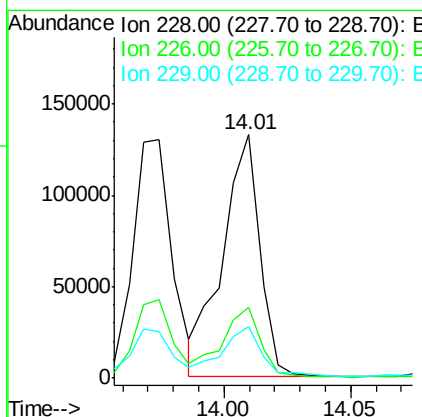
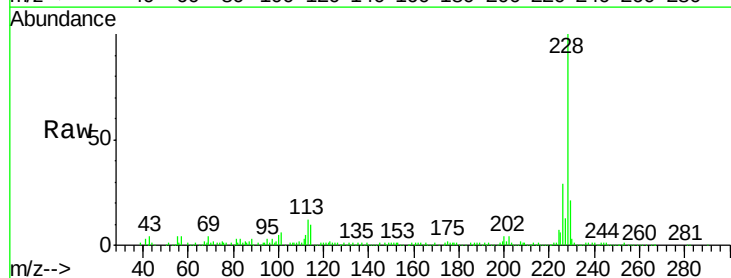
Instrument :
BNA_F
ClientSampleId :

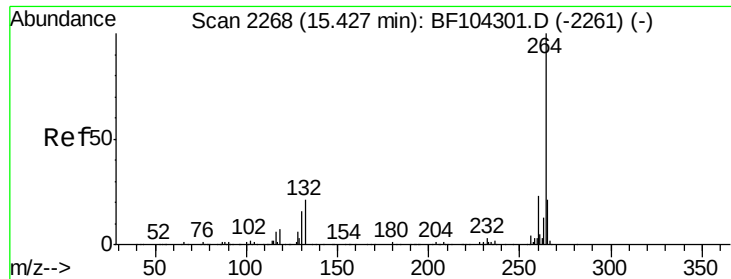
Tot Ion:228 Resp: 138260
Ion Ratio Lower Upper
228 100
226 33.0 22.6 33.8
229 19.7 15.8 23.6



#82
Chrysene
Concen: 7.646 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion:228 Resp: 135655
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 21.4 16.2 24.4

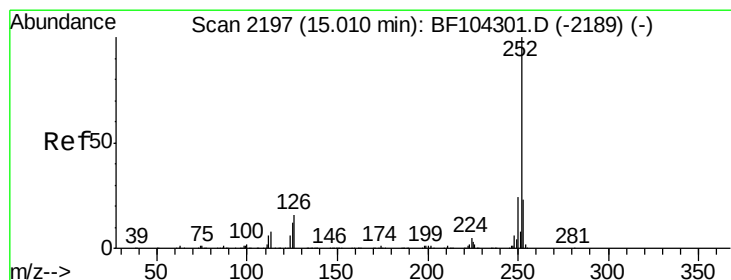
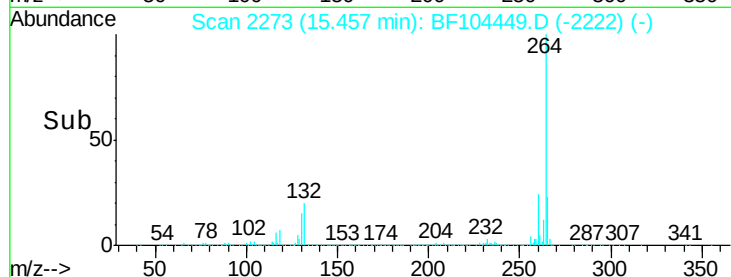
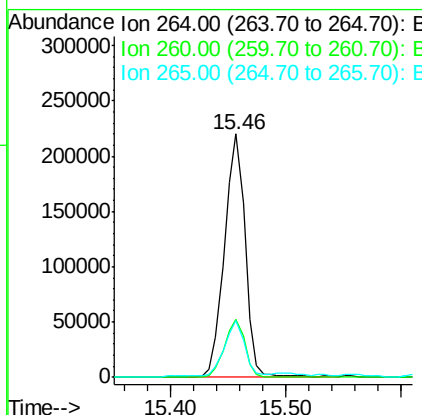
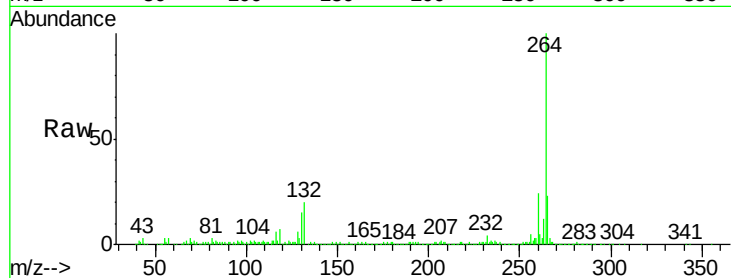




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

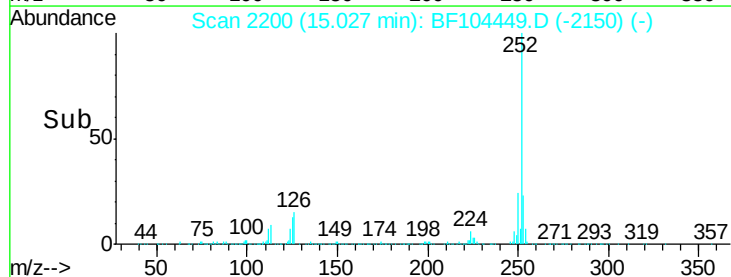
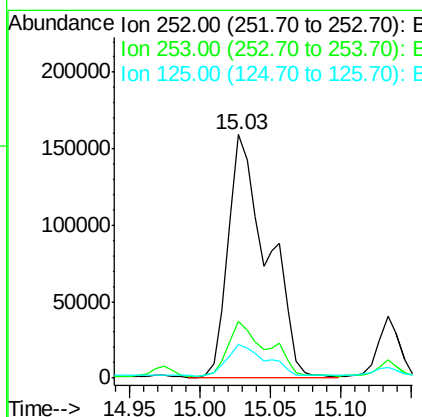
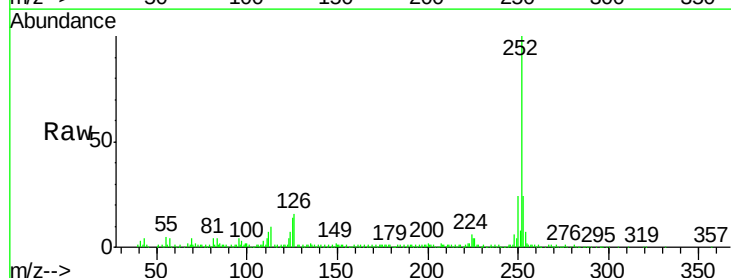
Instrument :
BNA_F
ClientSampleId :

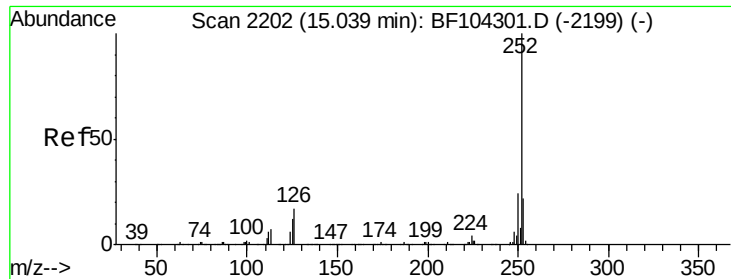
Tot Ion:264 Resp: 271994
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 23.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 17.871 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion:252 Resp: 306999
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 13.9 9.0 13.6#

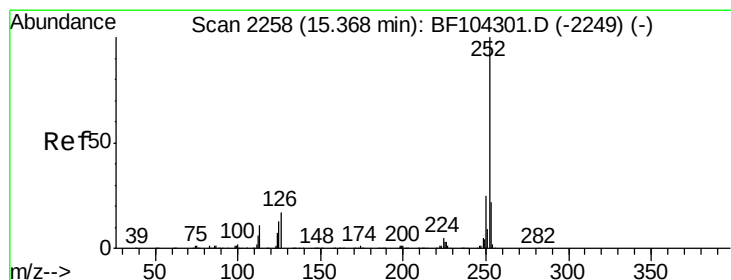
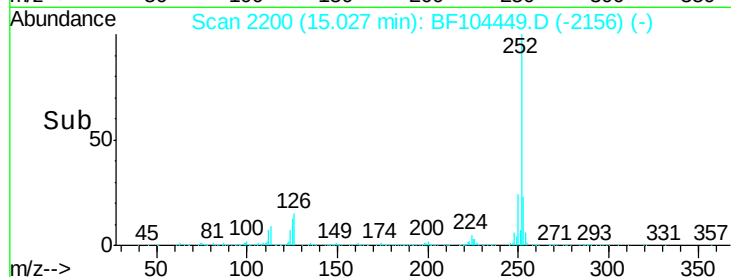
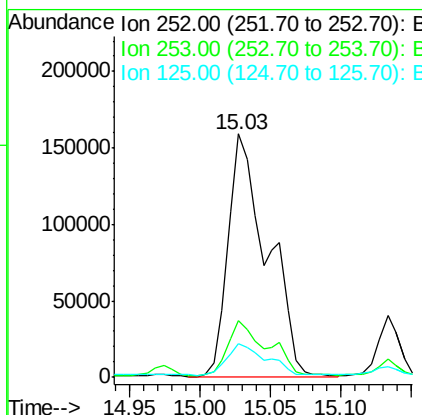
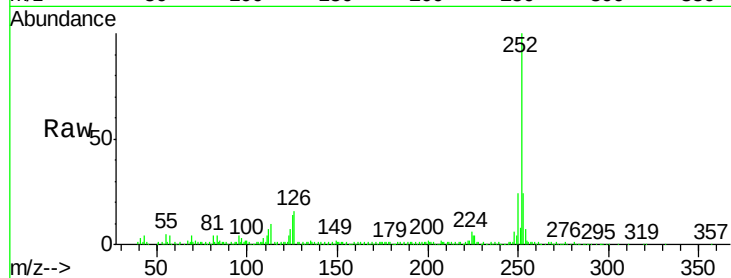




#88
Benzo(k)fluoranthene
Concen: 18.929 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

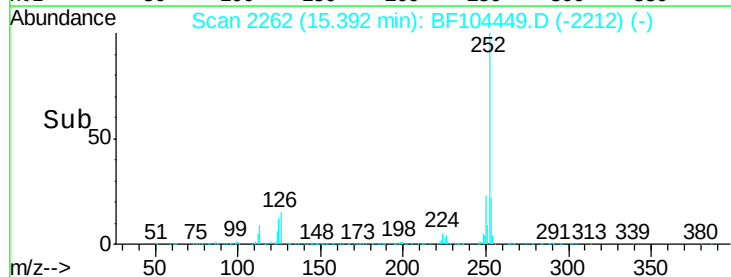
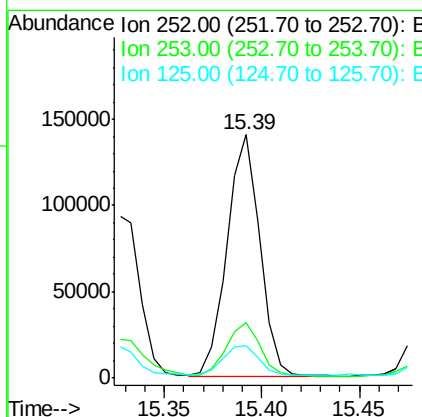
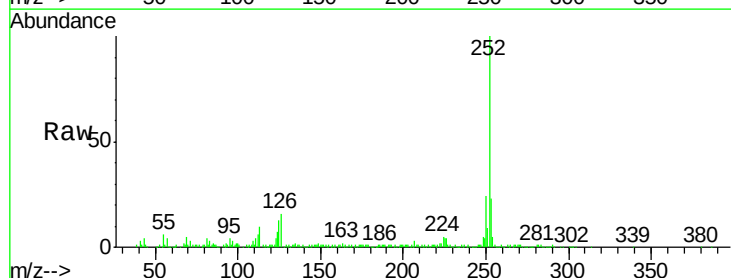
Instrument :
BNA_F
ClientSampleId :

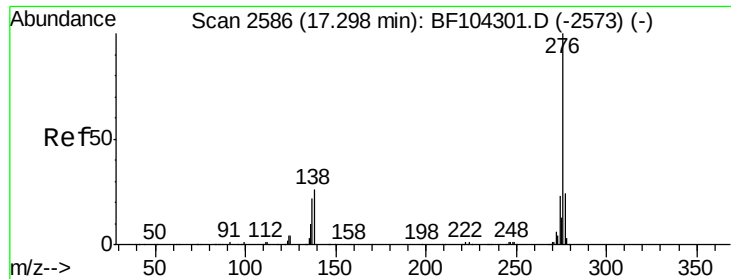
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.9	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.675 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104449.D
Acq: 12 Apr 2018 14:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 9.025 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.02 min

Lab File: BF104449.D

Acq: 12 Apr 2018 14:28

Instrument :

BNA_F

ClientSampleId :

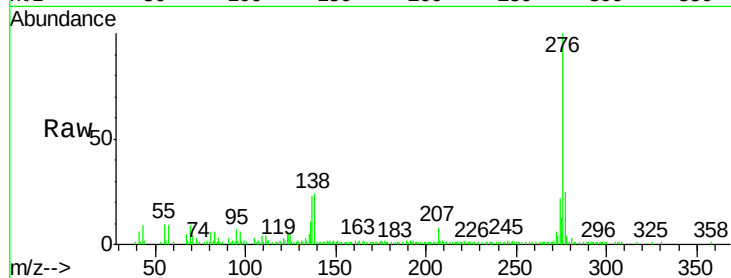
Tot Ion:276 Resp: 110386

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 24.3 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

