

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113194.D
 Acq On : 21 Mar 2019 3:23
 Operator : JU/SJ
 Sample : K1943-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:25:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

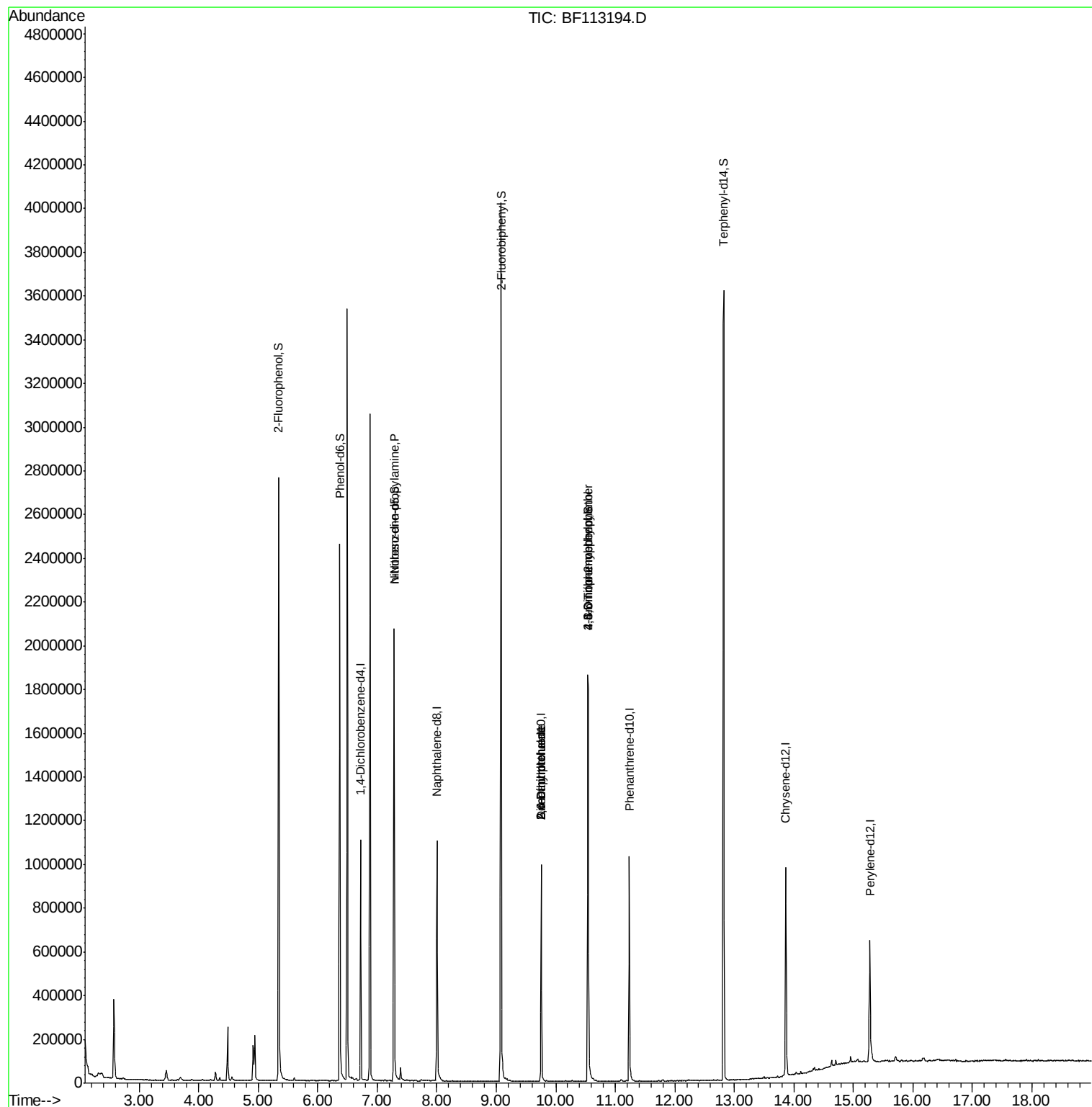
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154626	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	520592	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	221147	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	419555	20.00	ng	0.00
76) Chrysene-d12	13.86	240	382122	20.00	ng	0.00
87) Perylene-d12	15.27	264	287736	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	879435	88.47	ng	0.01
7) Phenol-d6	6.37	99	920137	73.69	ng	0.00
23) Nitrobenzene-d5	7.29	82	738438	84.88	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	302010	128.64	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1325402	106.21	ng	0.00
79) Terphenyl-d14	12.82	244	1428550	72.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	97088	12.277	ng	# 75
50) Dimethylphthalate	9.76	163	58648	3.597	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	27915	8.221	ng	# 25
57) 2,4-Dinitrotoluene	9.76	165	27915	6.614	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.54	198	478	4.863	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	16674	3.773	ng	# 1

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

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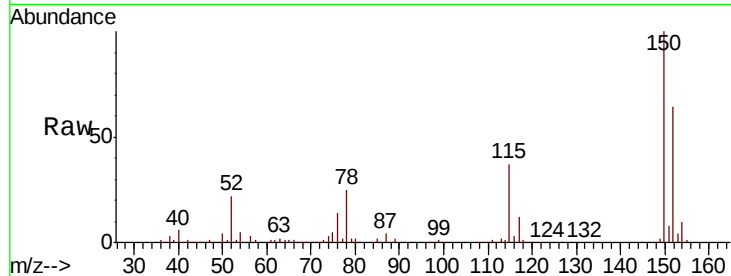


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.0	184.6
115	57.9	45.9	68.9

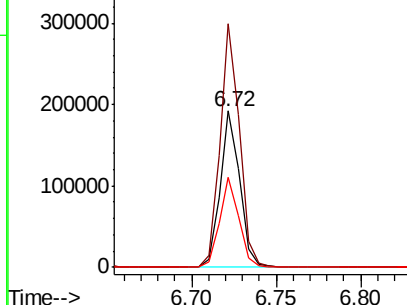
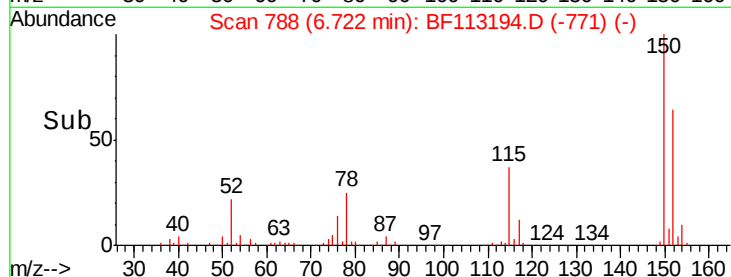


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

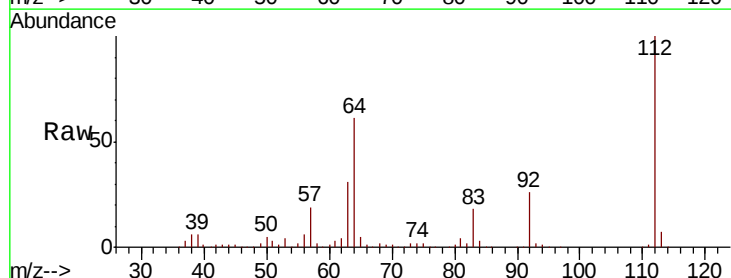
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.472 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.3	73.9
63	31.2	25.4	38.2

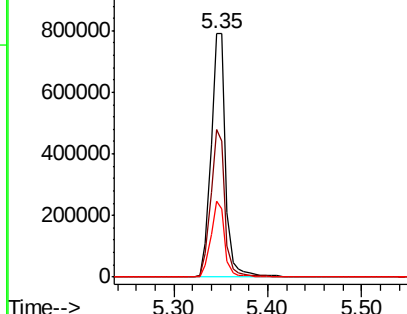
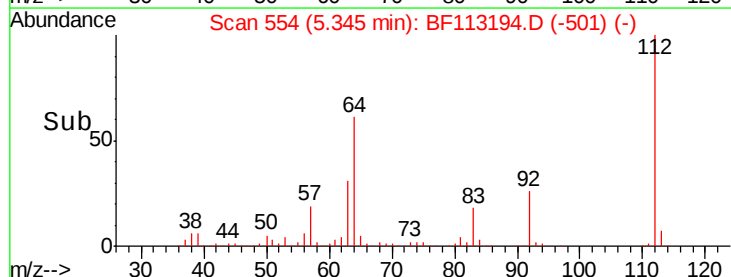


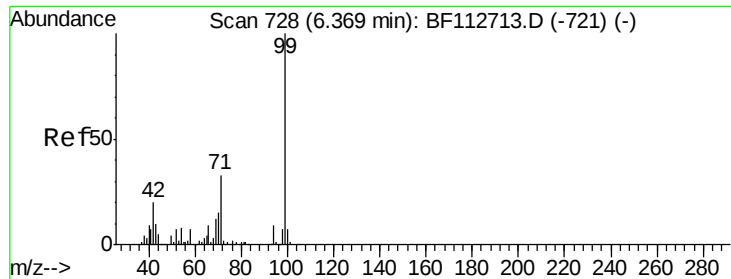
Abundance

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: 73.690 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

Instrument :

BNA_F

ClientSampled :

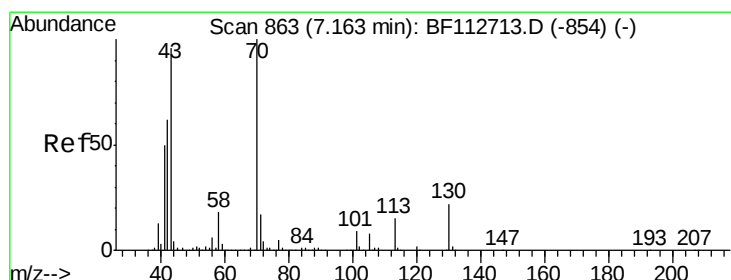
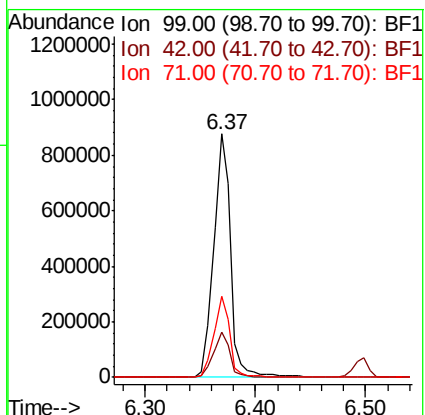
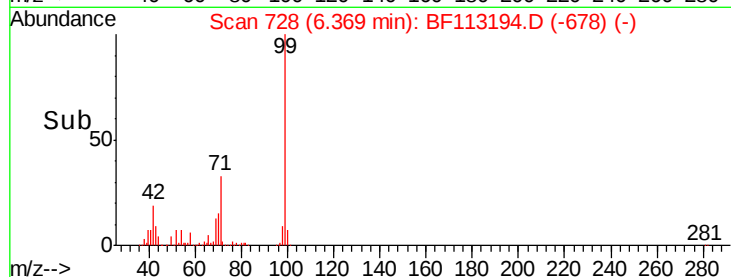
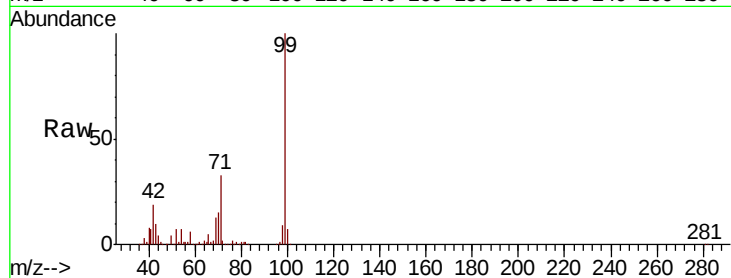
Tot Ion: 99 Resp: 920137

Ion Ratio Lower Upper

99 100

42 18.8 15.2 22.8

71 33.0 25.7 38.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.277 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

Tgt Ion: 70 Resp: 97088

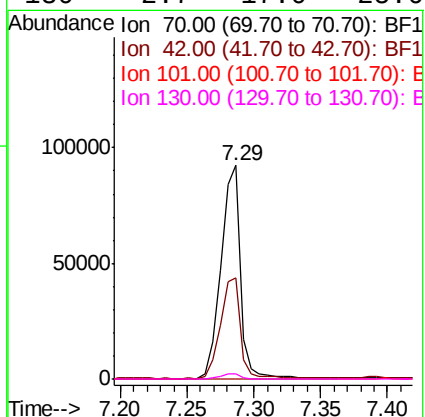
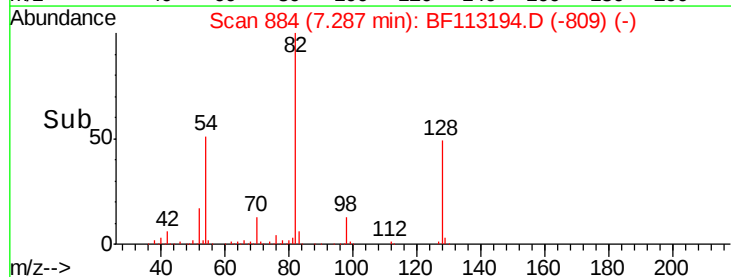
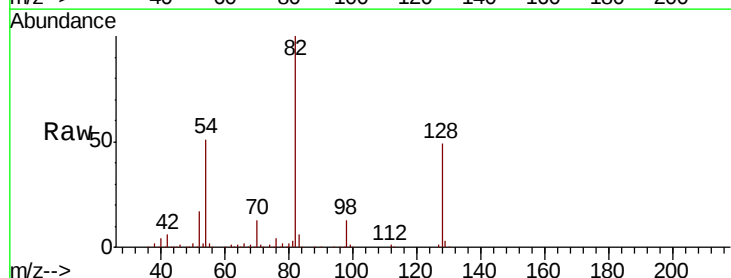
Ion Ratio Lower Upper

70 100

42 47.6 50.4 75.6#

101 0.0 7.5 11.3#

130 2.7 17.0 25.6#

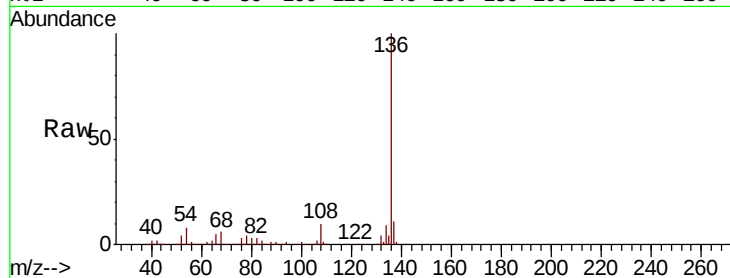




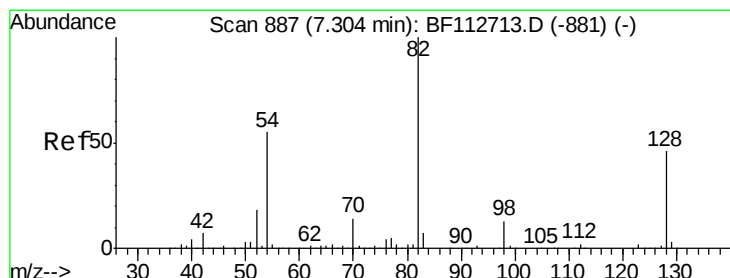
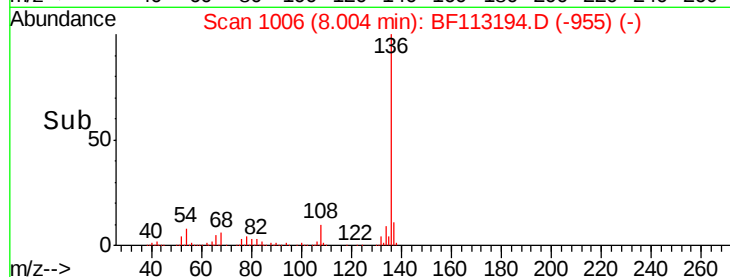
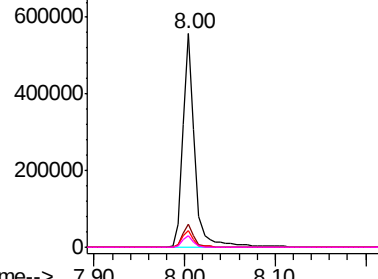
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	520592
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.0	7.0 10.6
68	5.5	5.0 7.4

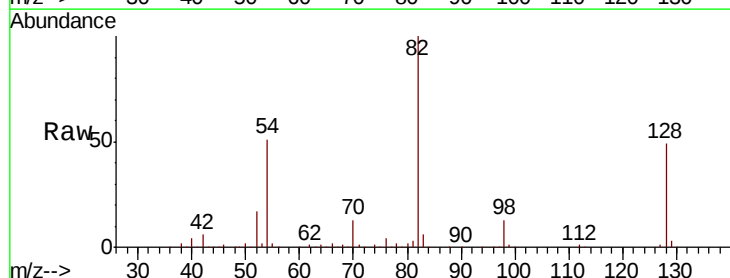


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

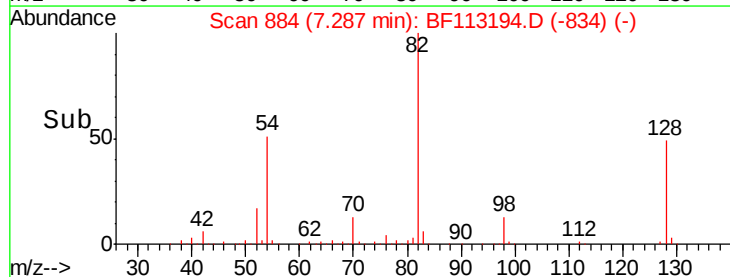
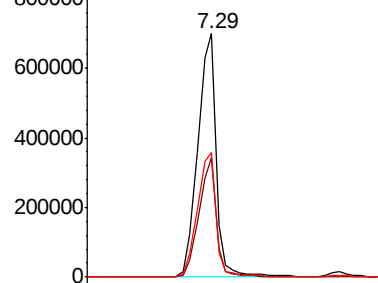


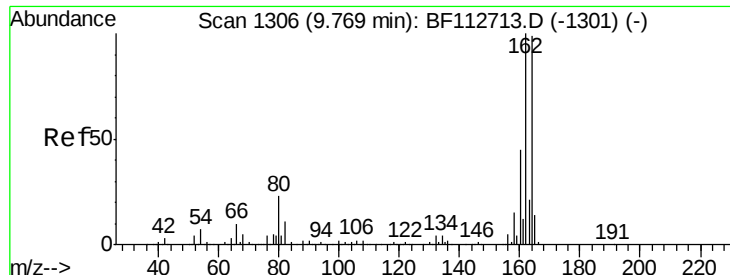
#23
Nitrobenzene-d5
Concen: 84.878 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Tgt Ion: 82	Resp:	738438
Ion Ratio	Lower	Upper
82	100	
128	49.1	37.9 56.9
54	51.1	41.2 61.8



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

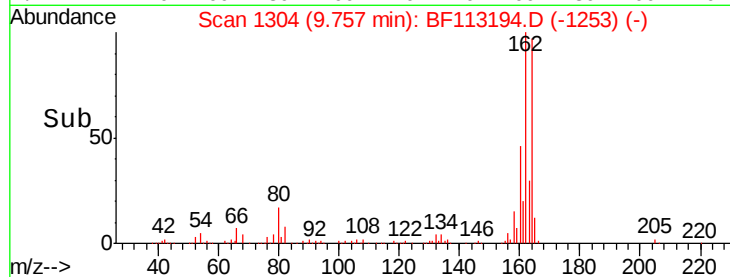
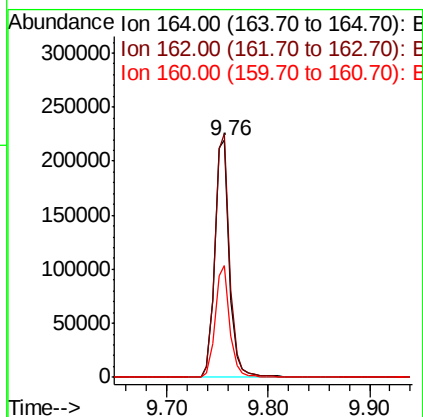
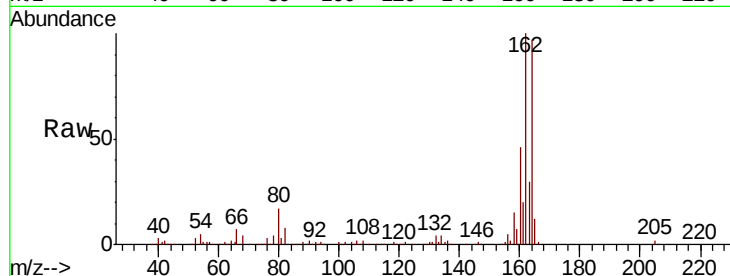




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

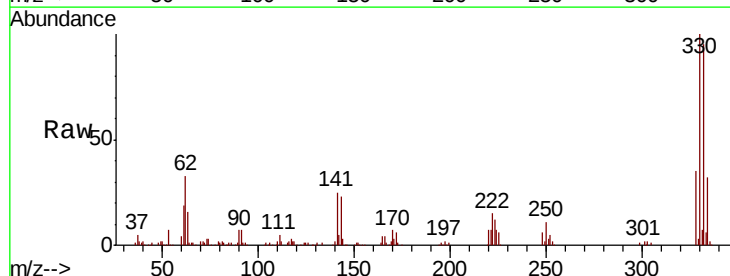
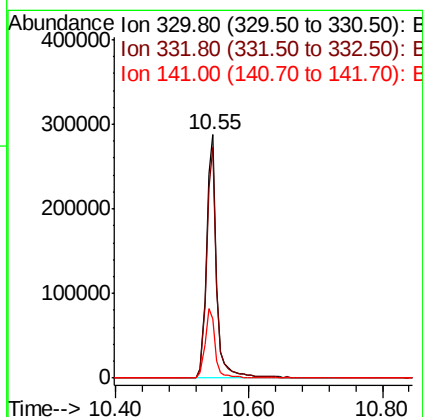
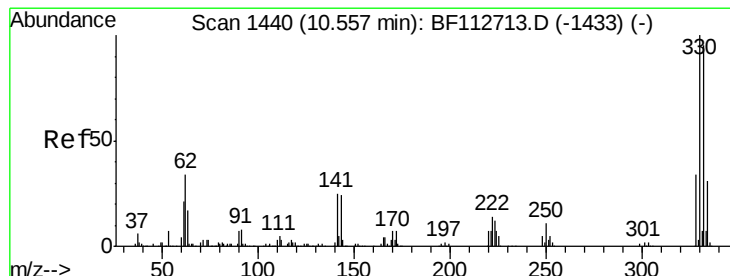
Instrument :
BNA_F
ClientSampleId :

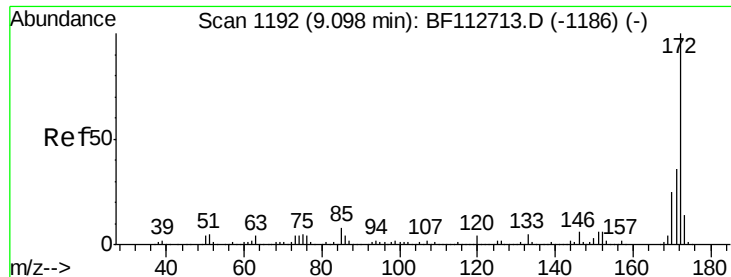
Tot Ion:164 Resp: 221147
Ion Ratio Lower Upper
164 100
162 102.9 80.8 121.2
160 47.0 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 128.638 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Tgt Ion:330 Resp: 302010
Ion Ratio Lower Upper
330 100
332 94.5 76.3 114.5
141 29.0 22.3 33.5

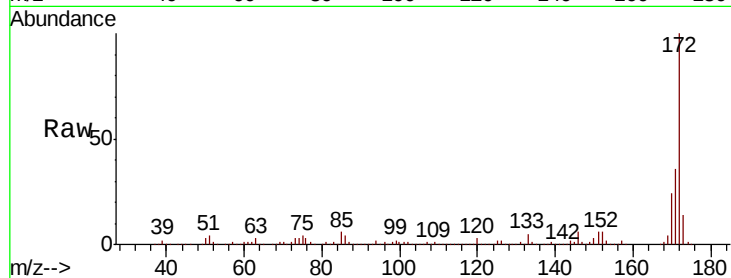




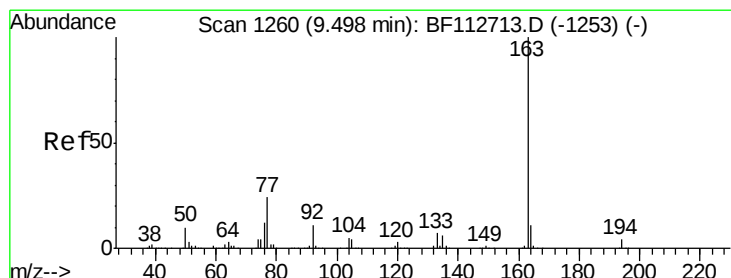
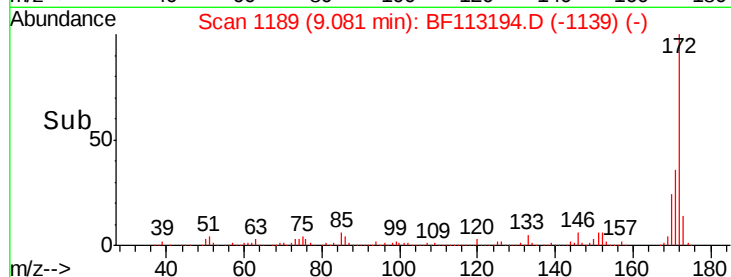
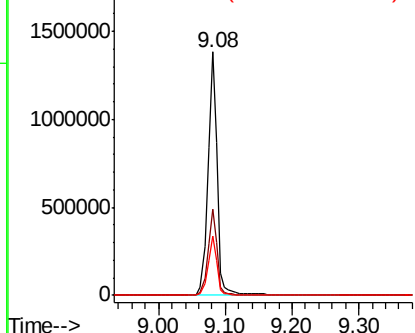
#45
 2-Fluorobiphenyl
 Concen: 106.215 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113194.D
 Acq: 21 Mar 2019 3:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1325402
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.4
 170 24.3 20.1 30.1

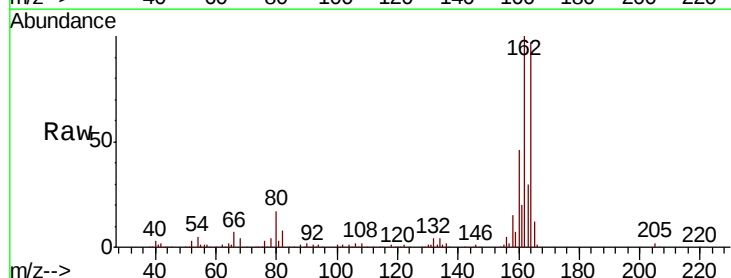


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

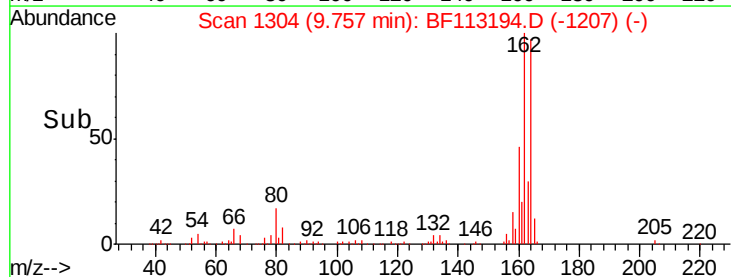
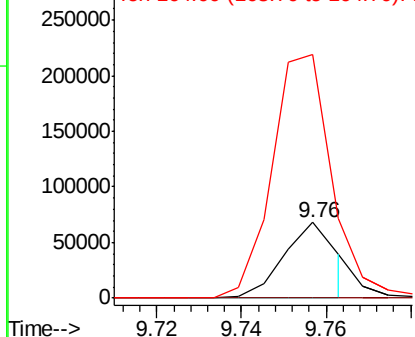


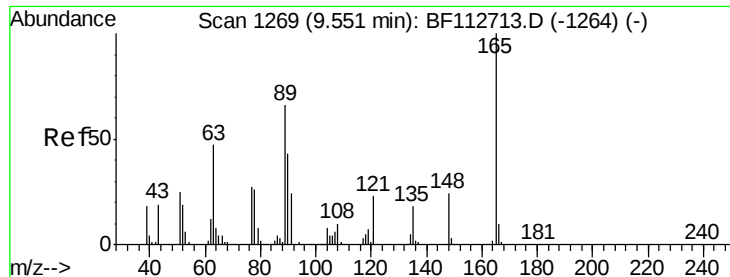
#50
 Dimethylphthalate
 Concen: 3.597 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.27 min
 Lab File: BF113194.D
 Acq: 21 Mar 2019 3:23

Tgt Ion:163 Resp: 58648
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.3 4.9#
 164 323.1 8.6 12.8#



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

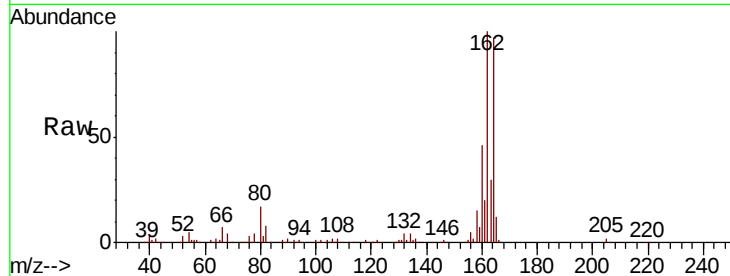




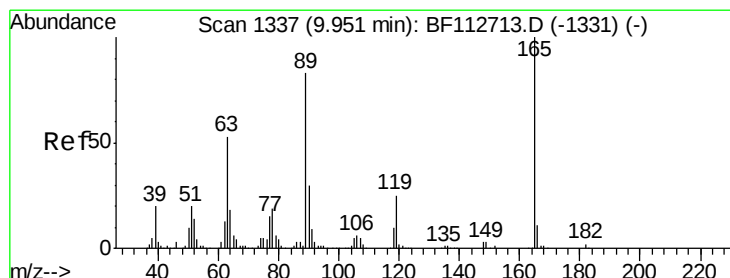
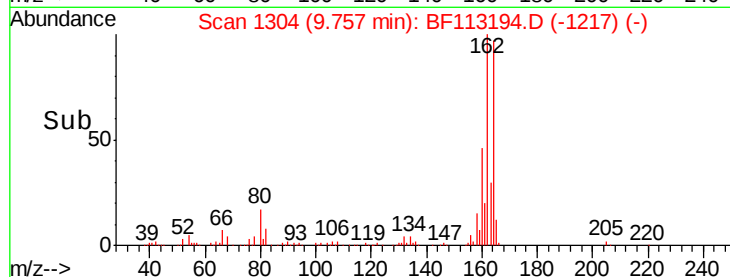
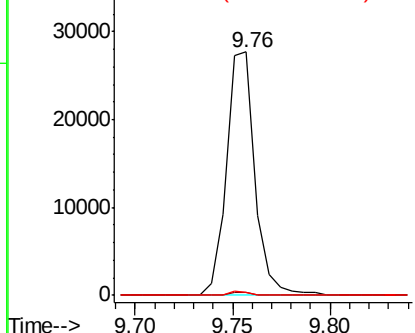
#51
 2,6-Dinitrotoluene
 Concen: 8.221 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113194.D
 Acq: 21 Mar 2019 3:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	45.4	68.2#
89	1.2	43.8	65.6#



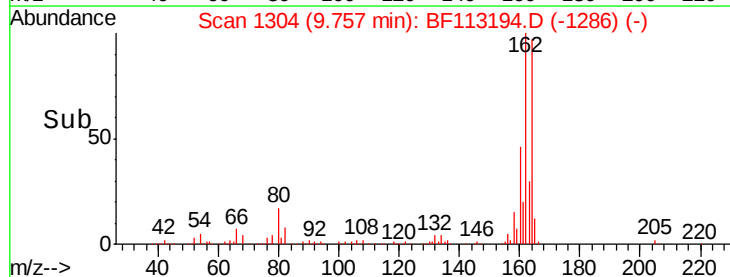
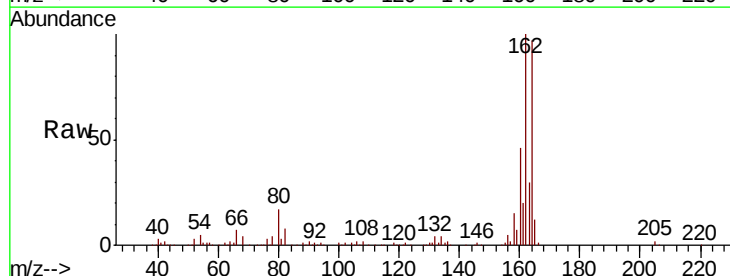
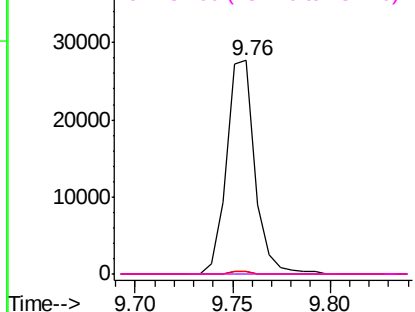
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

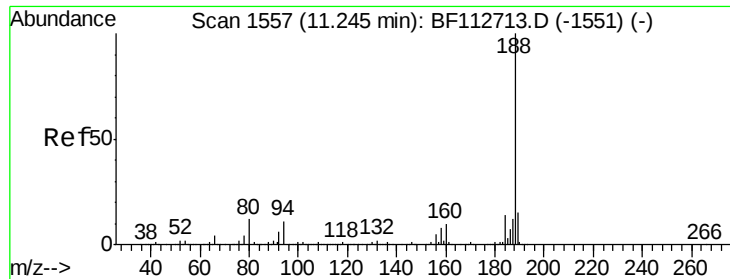


#57
 2,4-Dinitrotoluene
 Concen: 6.614 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF113194.D
 Acq: 21 Mar 2019 3:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	37.9	56.9#
89	1.2	58.5	87.7#
182	0.0	2.2	3.2#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

Instrument :

BNA_F

ClientSampled :

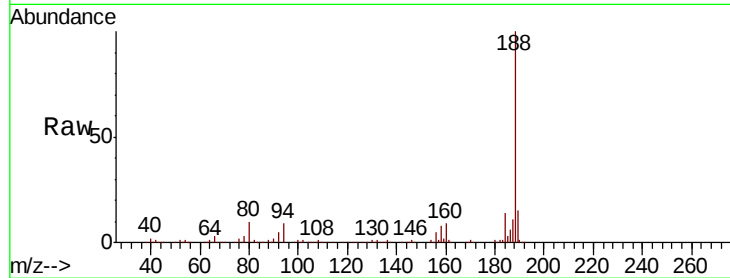
Tot Ion:188 Resp: 419555

Ion Ratio Lower Upper

188 100

94 9.2 7.4 11.2

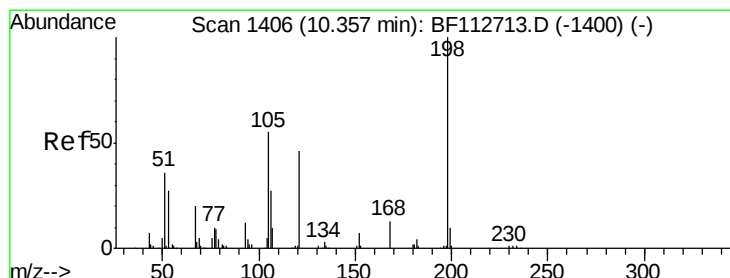
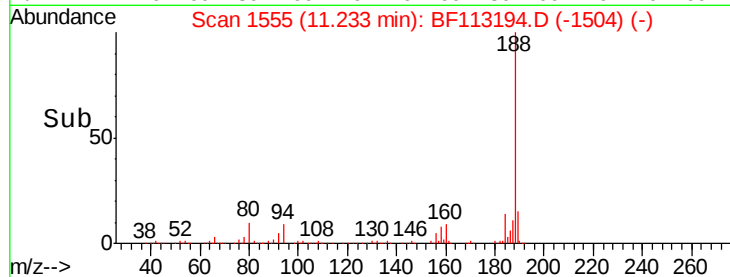
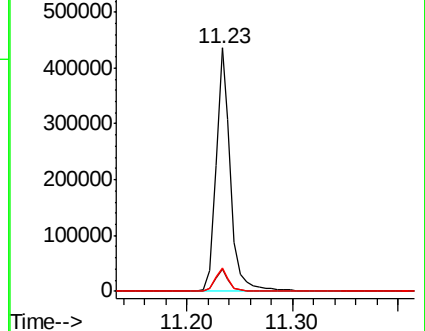
80 9.7 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.863 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.18 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

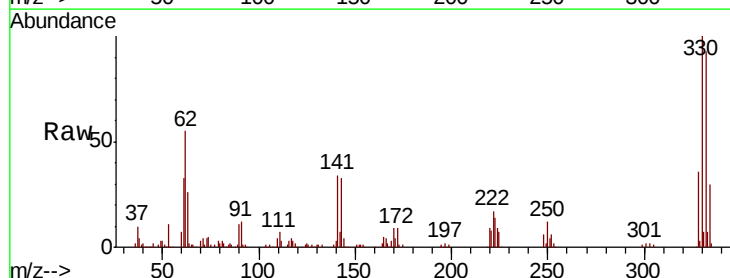
Tgt Ion:198 Resp: 478

Ion Ratio Lower Upper

198 100

51 244.7 25.5 65.5#

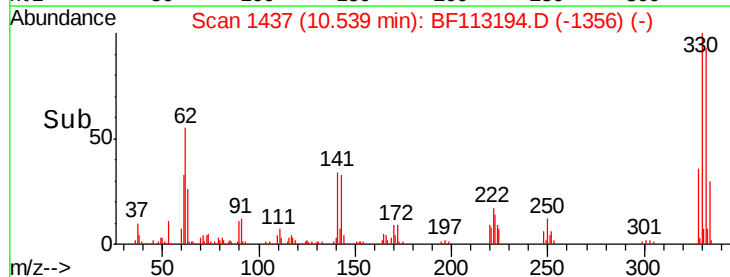
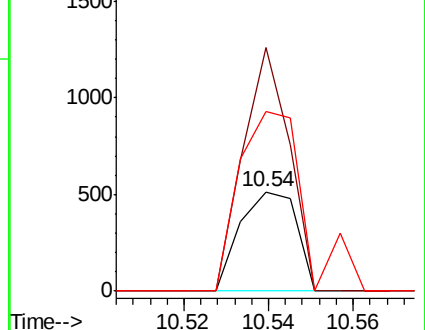
105 180.0 23.2 63.2#

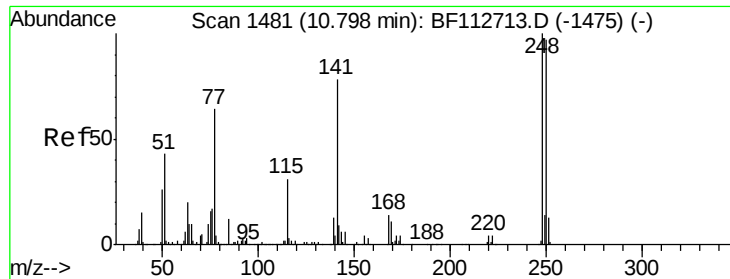


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

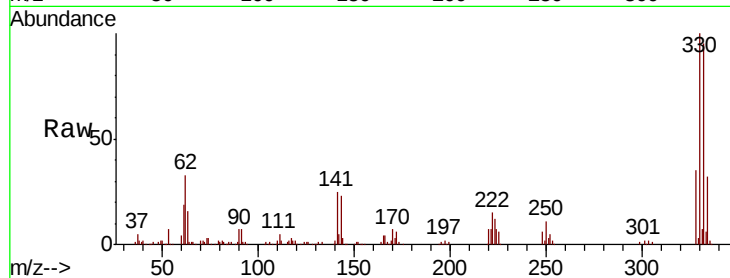




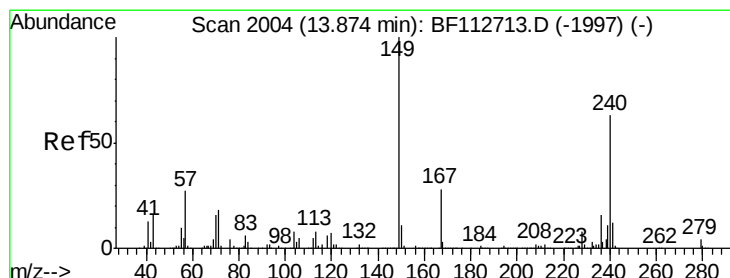
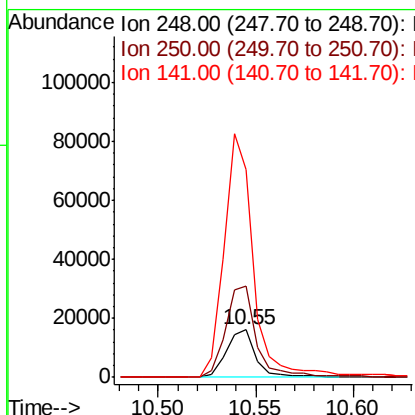
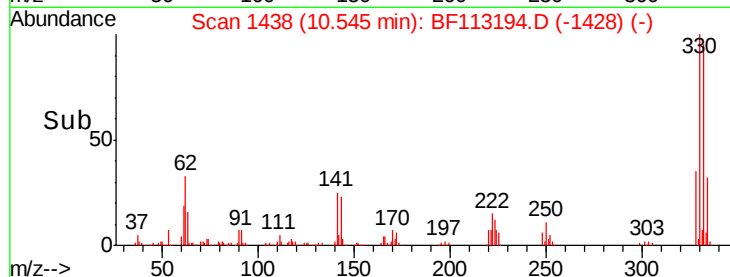
#67
4-Bromophenyl-phenylether
Concen: 3.773 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16674
Ion Ratio Lower Upper
248 100
250 192.5 78.4 117.6#
141 436.8 45.9 68.9#

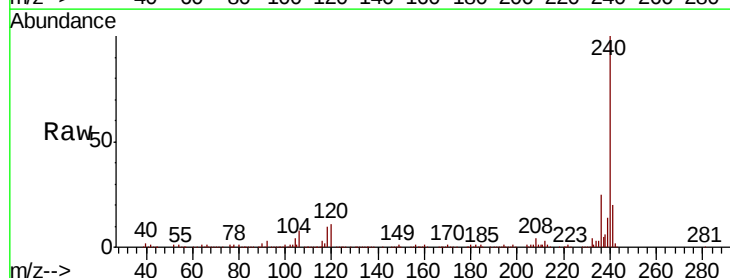


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

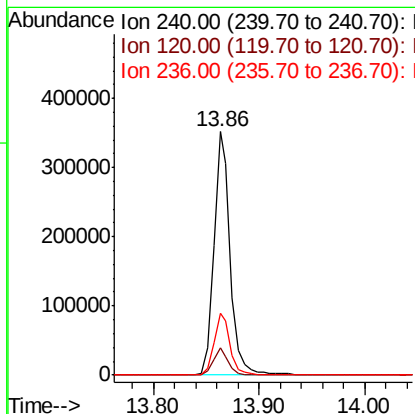
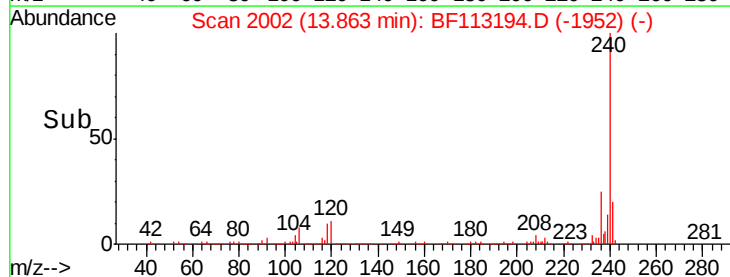


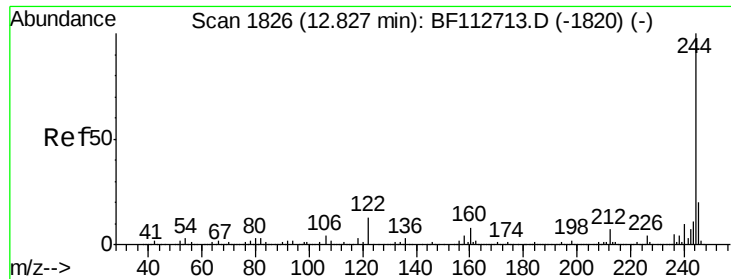
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113194.D
Acq: 21 Mar 2019 3:23

Tgt Ion:240 Resp: 382122
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.2 21.2 31.8



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





#79

Terphenyl-d14

Concen: 72.470 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

Instrument :

BNA_F

ClientSampleId :

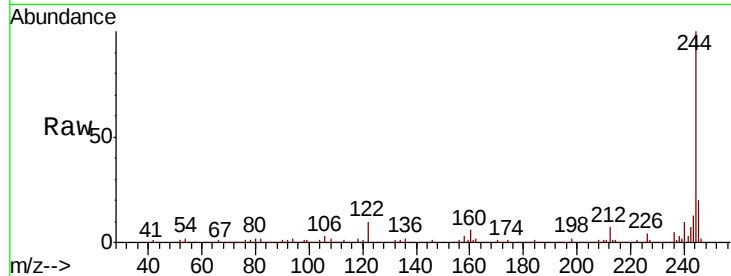
Tot Ion:244 Resp: 1428550

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

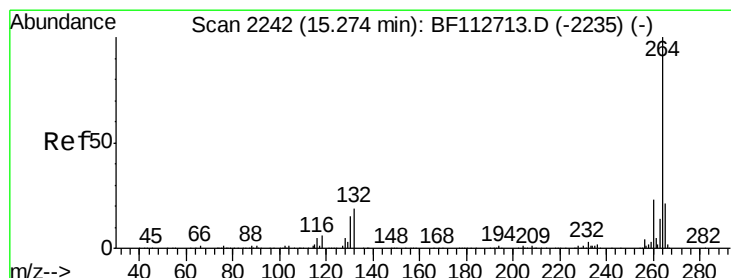
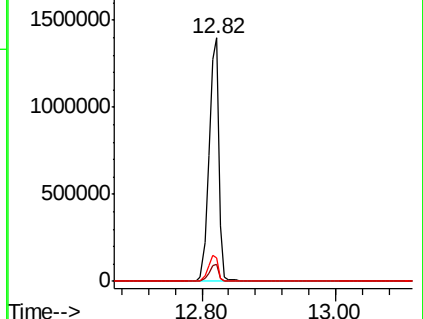
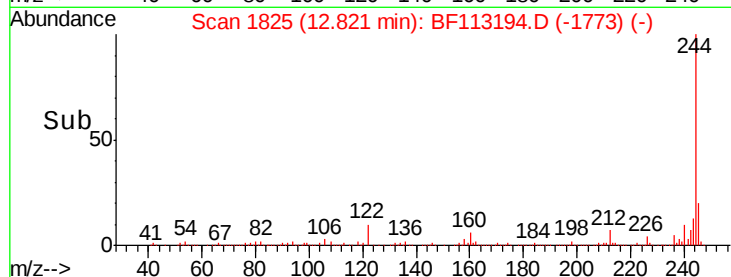
122 9.6 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF113194.D

Acq: 21 Mar 2019 3:23

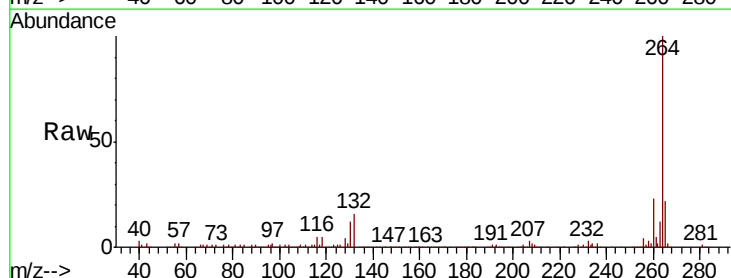
Tgt Ion:264 Resp: 287736

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.8 17.7 26.5



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

