

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030819\
 Data File : BF112946.D
 Acq On : 8 Mar 2019 16:05
 Operator : JU/SJ
 Sample : K1787-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 22:08:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	172237	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	670458	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	324965	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	685775	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	654387	20.00	ng	-0.01
87) Perylene-d12	15.26	264	549228	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1030329	93.05	ng	0.00
7) Phenol-d6	6.36	99	1335168	95.99	ng	0.00
23) Nitrobenzene-d5	7.29	82	804950	71.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	426190	123.54	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1549056	77.05	ng	-0.01
79) Terphenyl-d14	12.82	244	1831830	54.26	ng	0.00

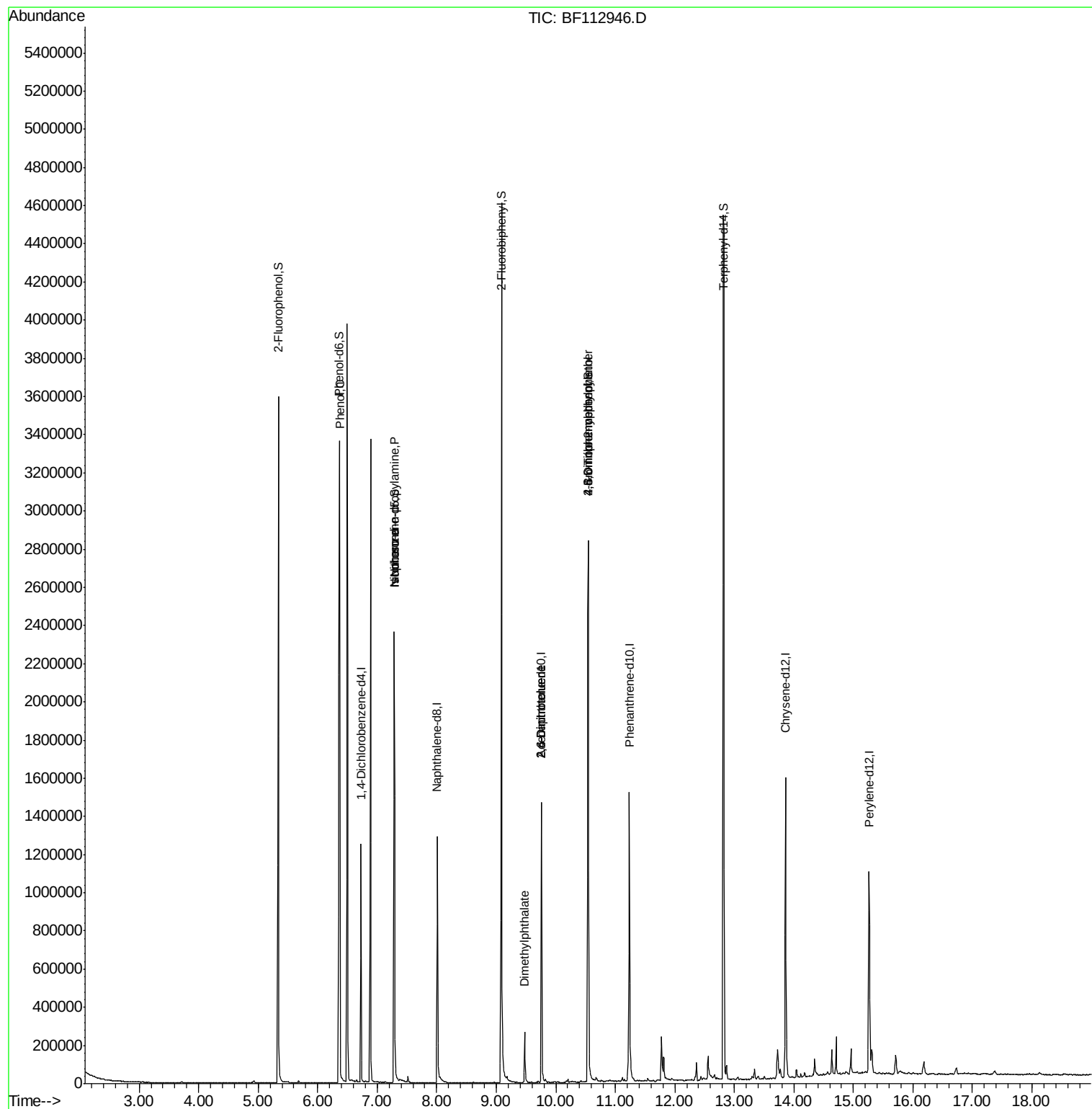
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	42396	2.612	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	103980	11.804	ng	# 76
25) Isophorone	7.29	82	794315	32.907	ng	# 66
50) Dimethylphthalate	9.48	163	122380	5.107	ng	100
51) 2,6-Dinitrotoluene	9.76	165	41348	8.287	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	41341	6.665	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	665	4.826	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	24394	3.377	ng	# 1

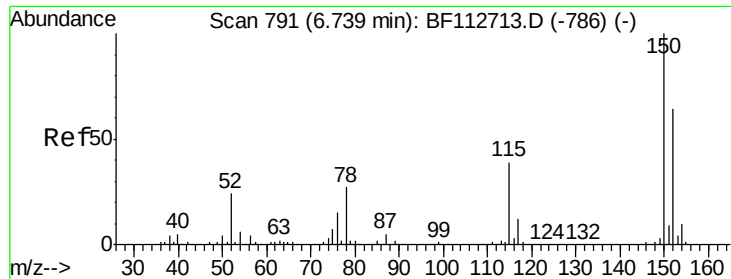
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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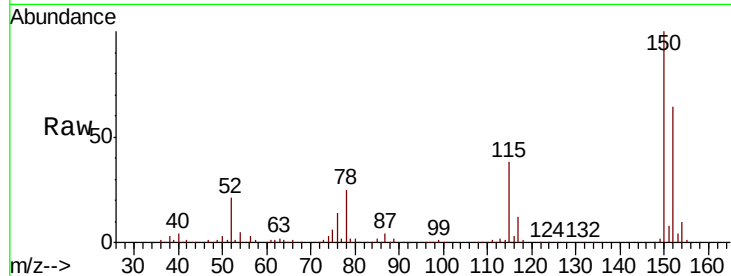


#1

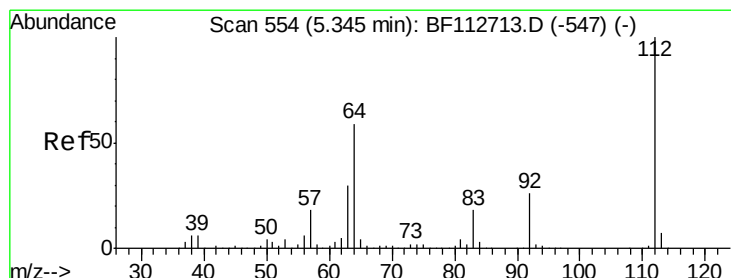
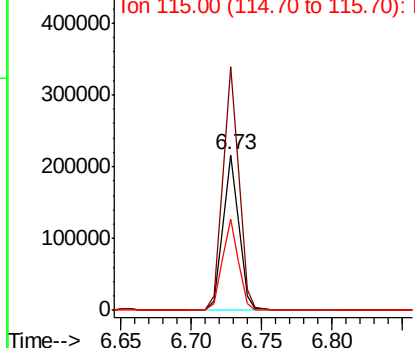
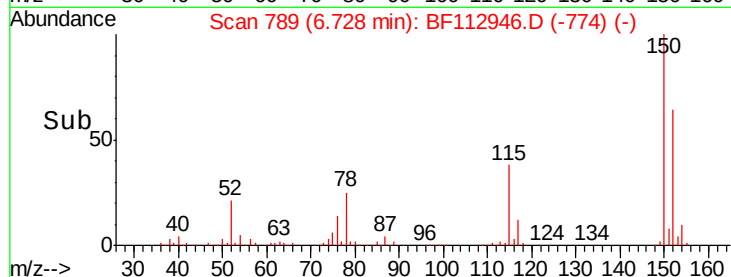
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 172237
Ion Ratio Lower Upper
152 100
150 156.3 124.2 186.2
115 59.0 48.2 72.4



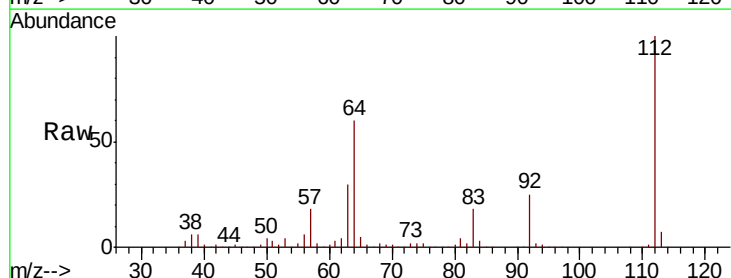
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



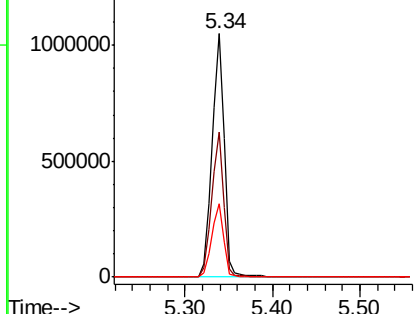
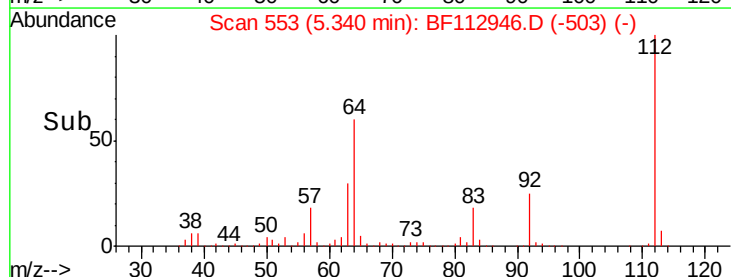
#5

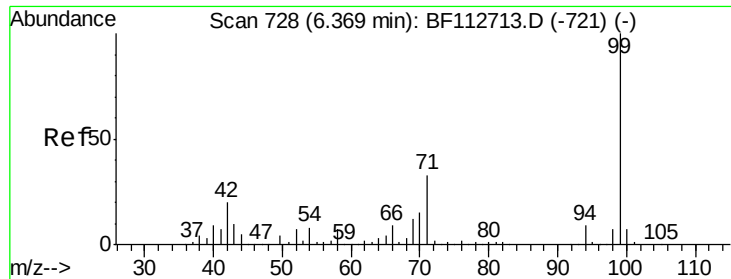
2-Fluorophenol
Concen: 93.053 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion:112 Resp: 1030329
Ion Ratio Lower Upper
112 100
64 59.7 47.6 71.4
63 30.3 24.4 36.6



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: 95.994 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112946.D

Acq: 8 Mar 2019 16:05

Instrument :

BNA_F

ClientSampleId :

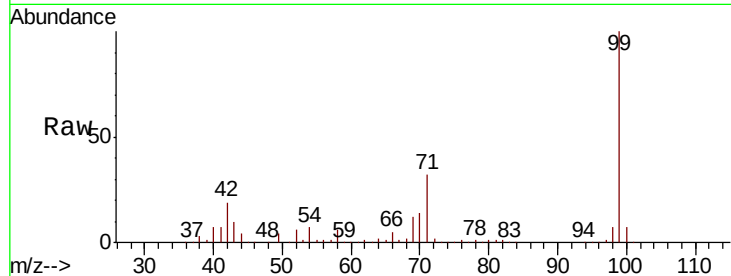
Tot Ion: 99 Resp: 1335168

Ion Ratio Lower Upper

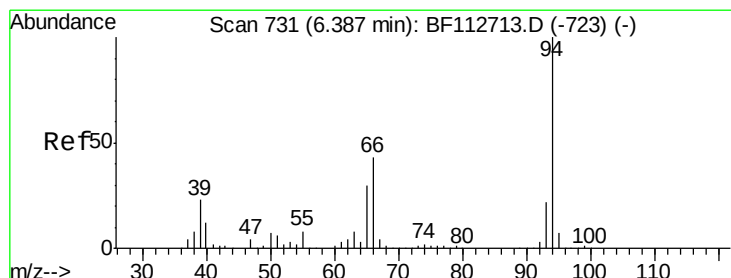
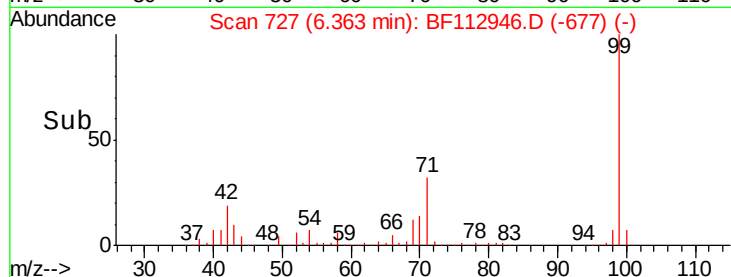
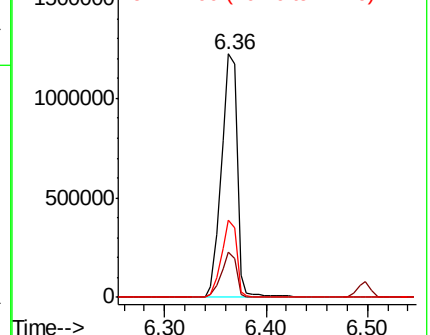
99 100

42 18.8 16.3 24.5

71 31.8 26.2 39.4



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: 2.612 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112946.D

Acq: 8 Mar 2019 16:05

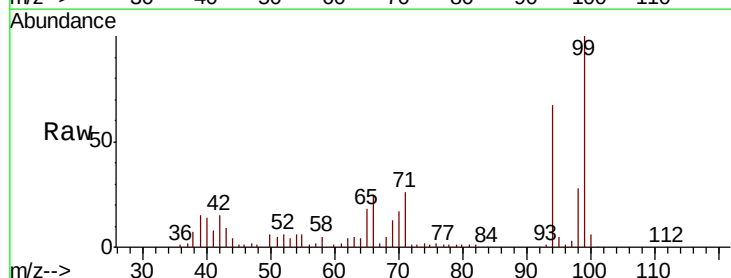
Tgt Ion: 94 Resp: 42396

Ion Ratio Lower Upper

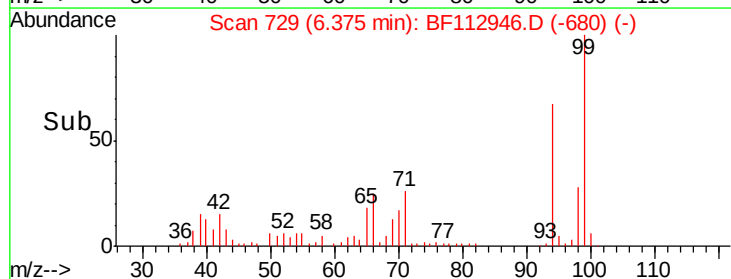
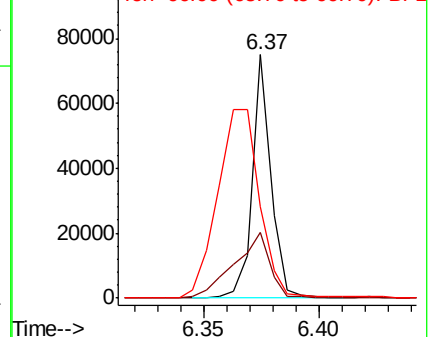
94 100

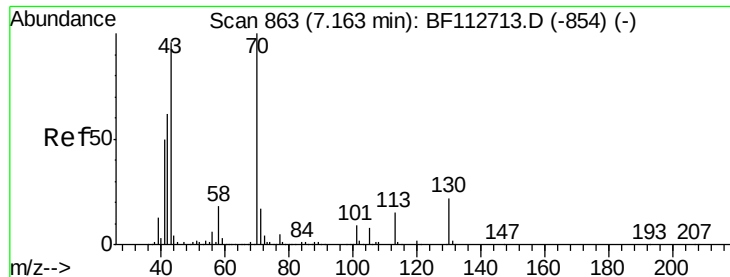
65 27.1 10.5 50.5

66 37.4 22.6 62.6



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

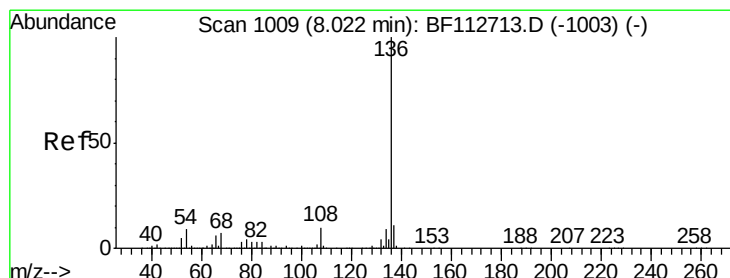
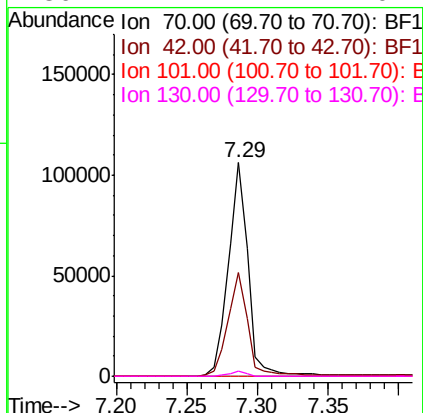
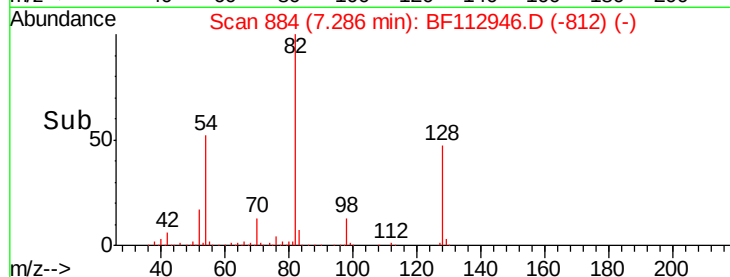
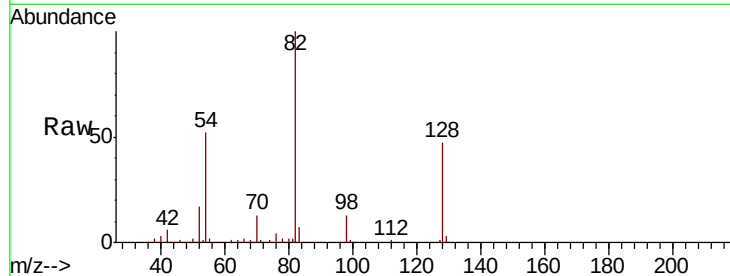




#19
n-Nitroso-di-n-propylamine
Concen: 11.804 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

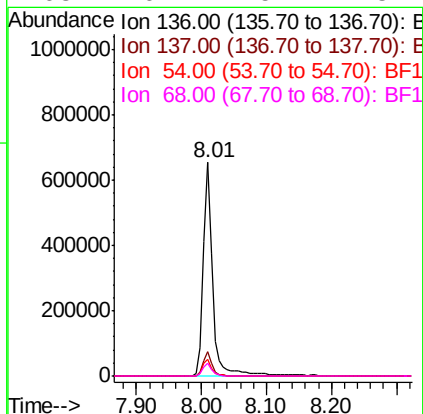
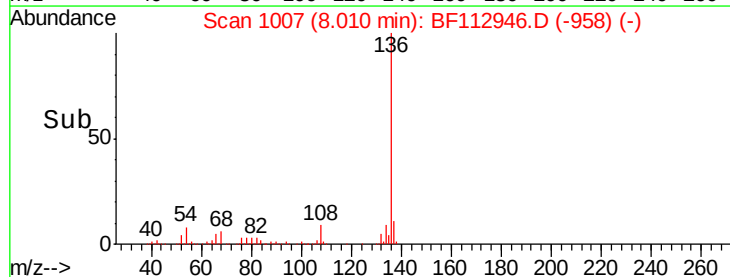
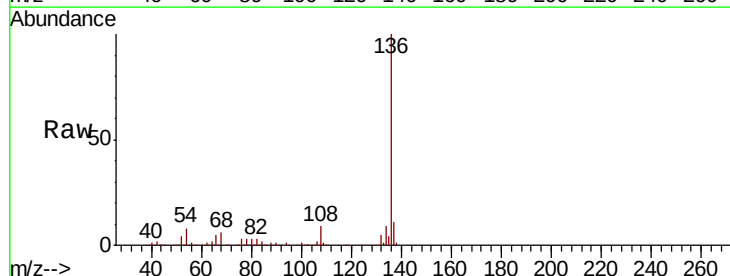
Instrument :
BNA_F
ClientSampleId :

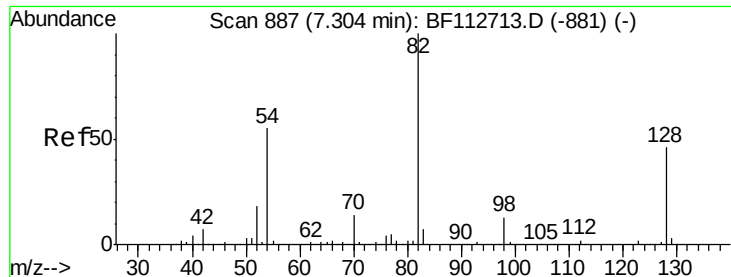
Tot Ion: 70 Resp: 103980
Ion Ratio Lower Upper
70 100
42 48.8 49.9 74.9#
101 0.0 7.4 11.2#
130 2.4 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion: 136 Resp: 670458
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.1 7.3 10.9
68 6.2 5.4 8.2

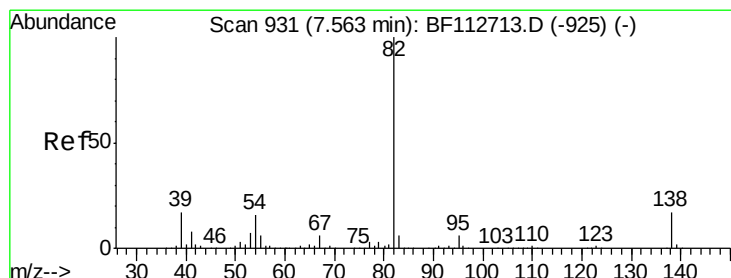
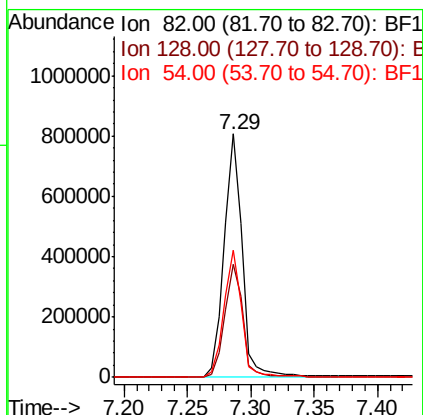
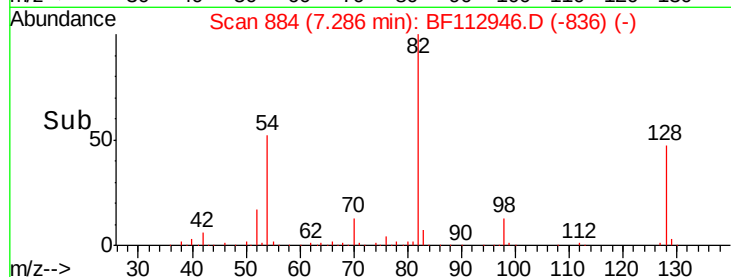
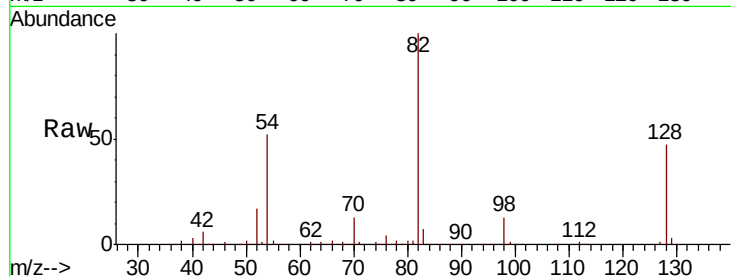




#23
Nitrobenzene-d5
Concen: 71.841 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

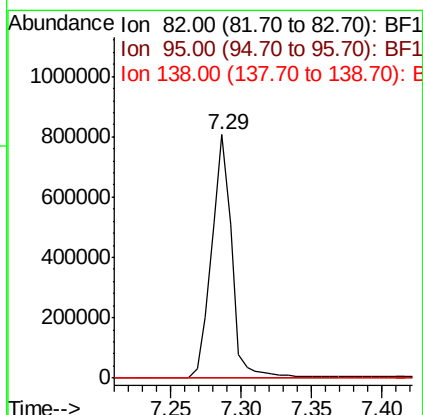
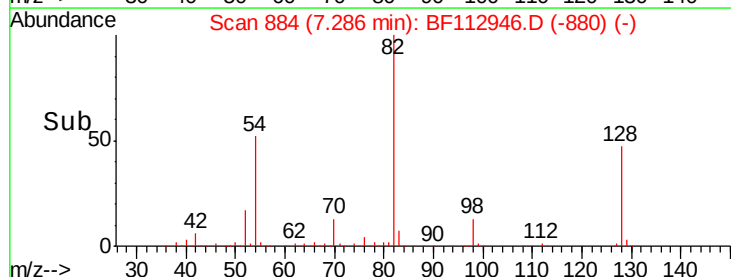
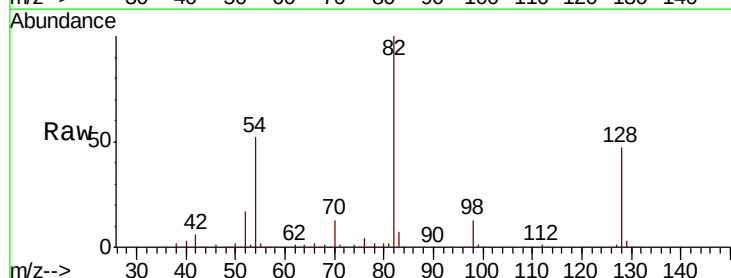
Instrument :
BNA_F
ClientSampled :

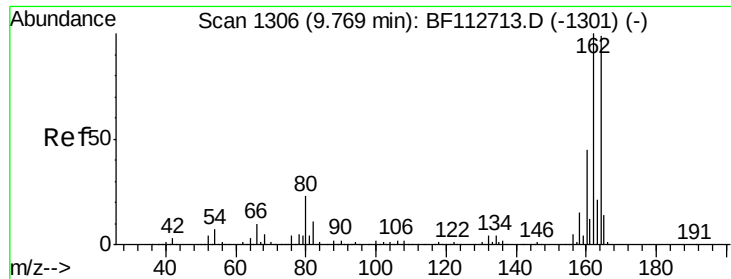
Tot Ion: 82 Resp: 804950
Ion Ratio Lower Upper
82 100
128 46.6 36.3 54.5
54 52.4 43.7 65.5



#25
Isophorone
Concen: 32.907 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion: 82 Resp: 794315
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

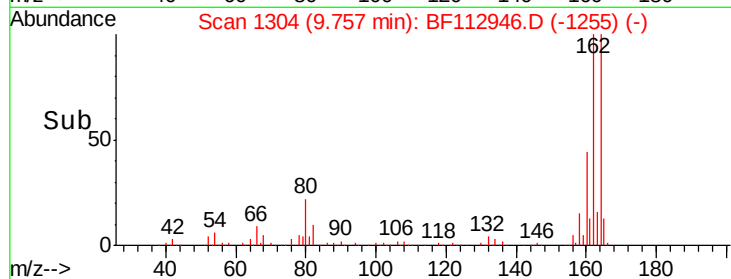
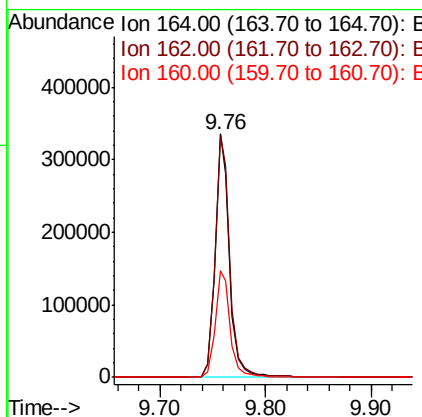
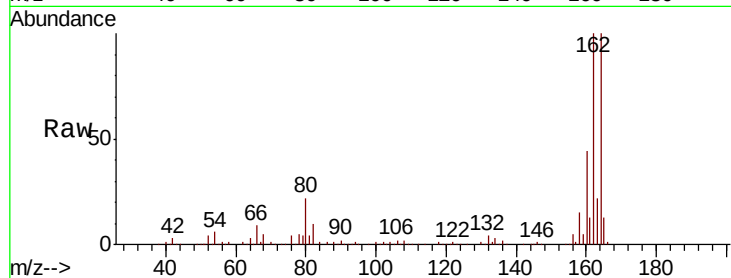




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF112946.D
 Acq: 8 Mar 2019 16:05

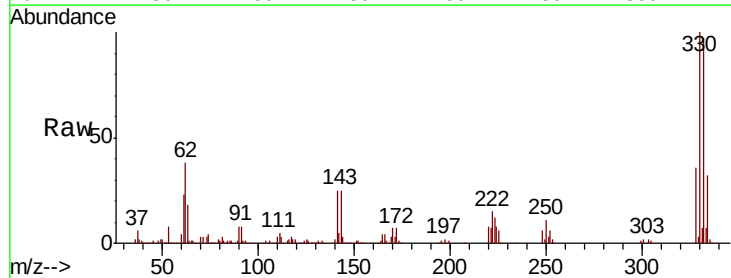
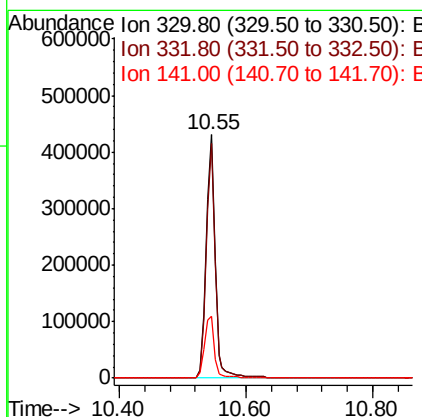
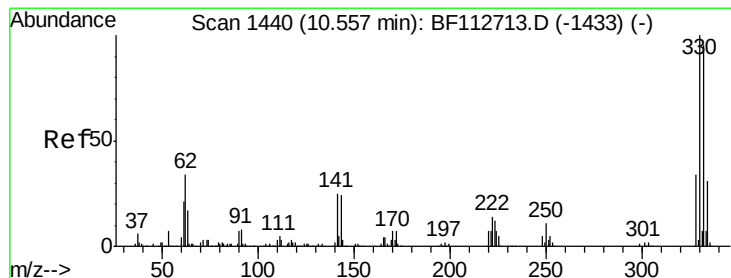
Instrument :
 BNA_F
 ClientSampleId :

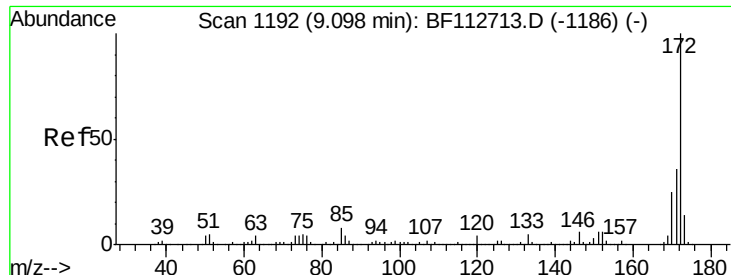
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.1	36.0	54.0



#42
 2,4,6-Tribromophenol
 Concen: 123.537 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112946.D
 Acq: 8 Mar 2019 16:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.2	114.4
141	27.8	27.0	40.6

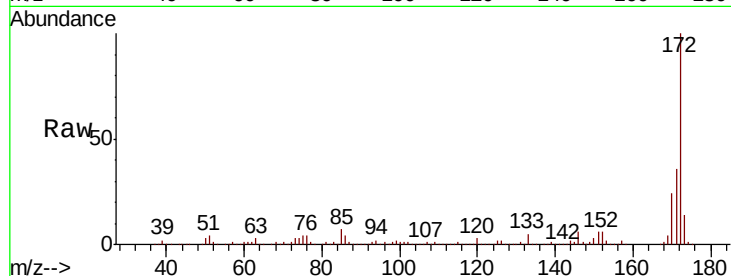




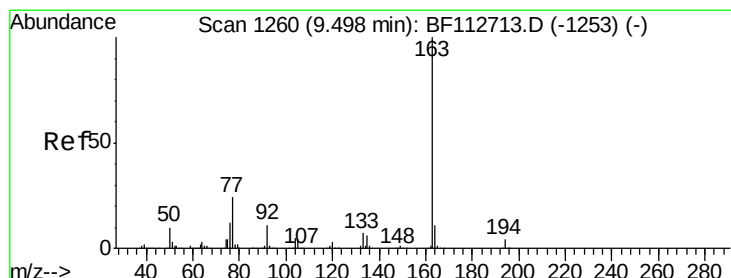
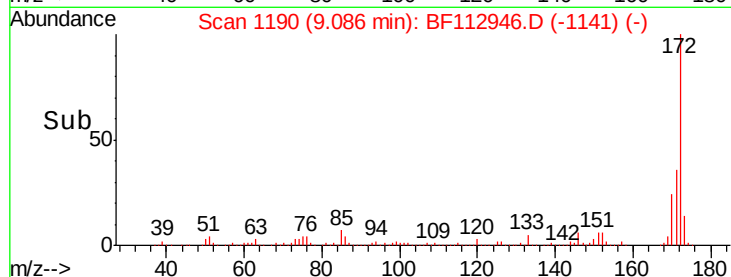
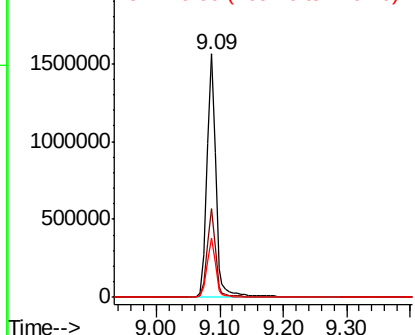
#45
2-Fluorobiphenyl
Concen: 77.052 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1549056
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.4
170 24.5 20.0 30.0

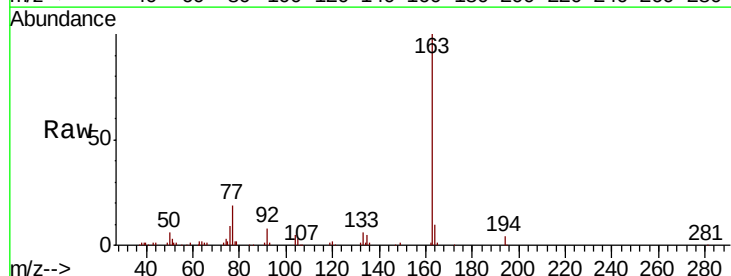


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

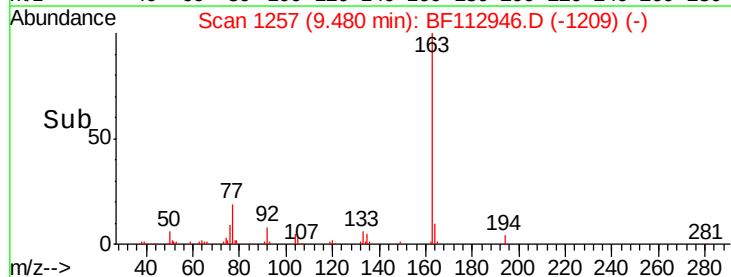
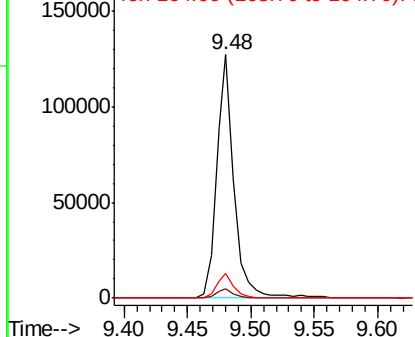


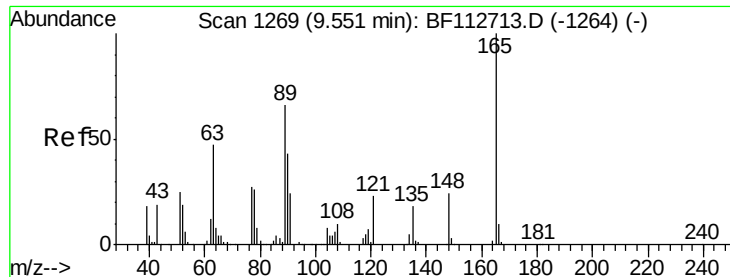
#50
Dimethylphthalate
Concen: 5.107 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion:163 Resp: 122380
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.4 8.4 12.6



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: 8.287 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF112946.D

Acq: 8 Mar 2019 16:05

Instrument :

BNA_F

ClientSampleId :

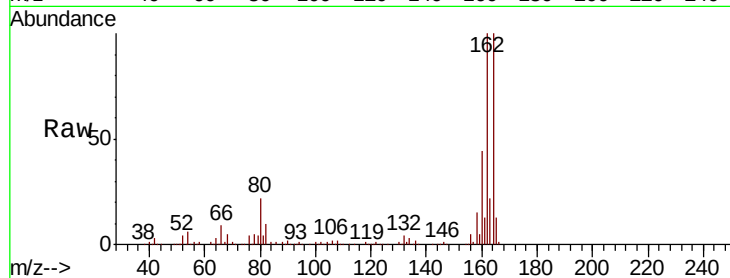
Tot Ion:165 Resp: 41348

Ion Ratio Lower Upper

165 100

63 1.2 54.1 81.1#

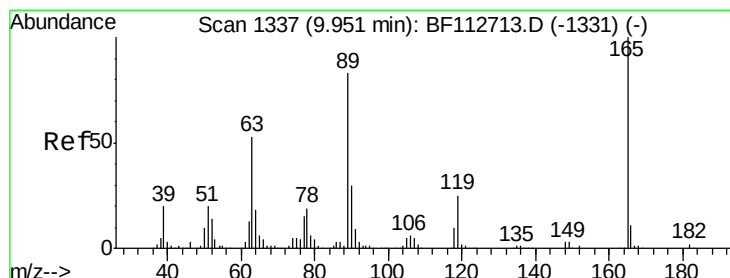
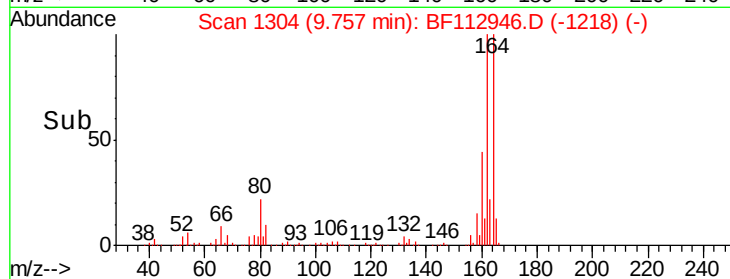
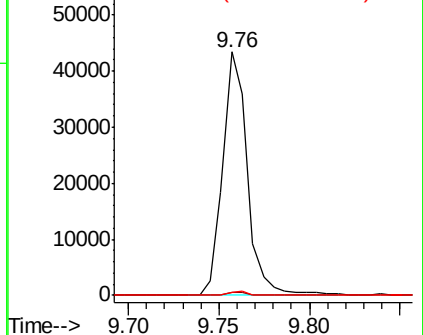
89 1.3 52.8 79.2#



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



#57

2,4-Dinitrotoluene

Concen: 6.665 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF112946.D

Acq: 8 Mar 2019 16:05

Tgt Ion:165 Resp: 41341

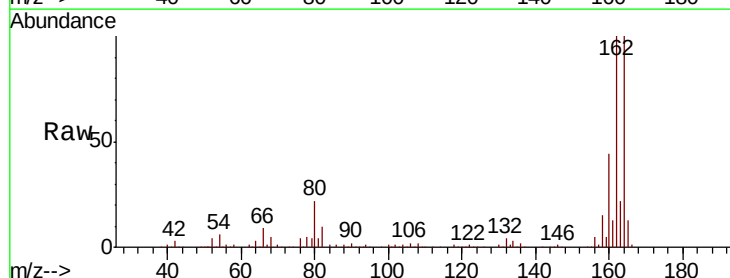
Ion Ratio Lower Upper

165 100

63 1.2 42.2 63.2#

89 1.3 66.2 99.4#

182 0.0 1.8 2.6#

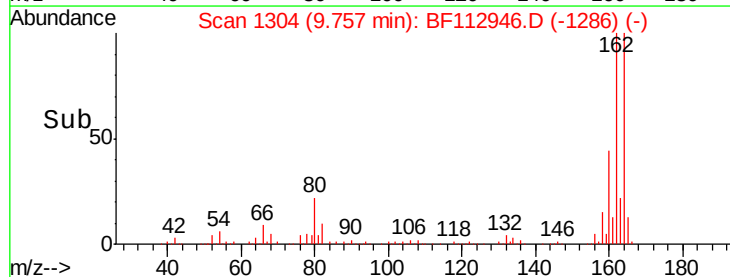
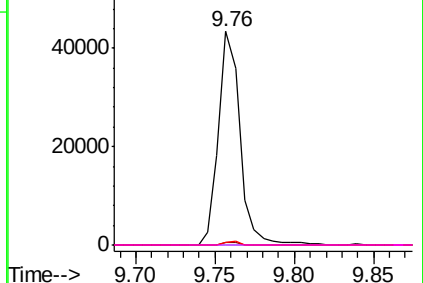


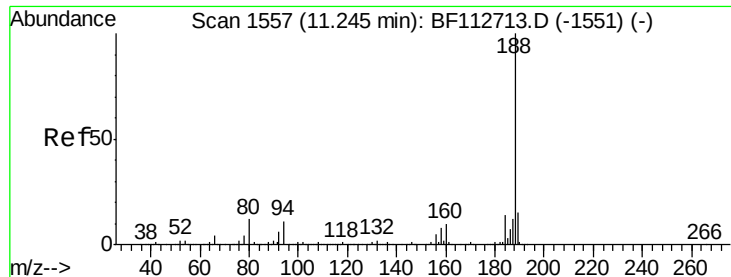
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

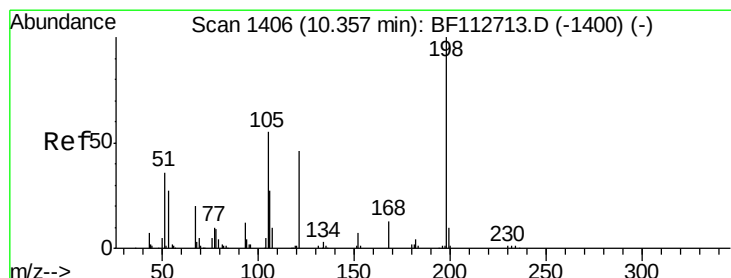
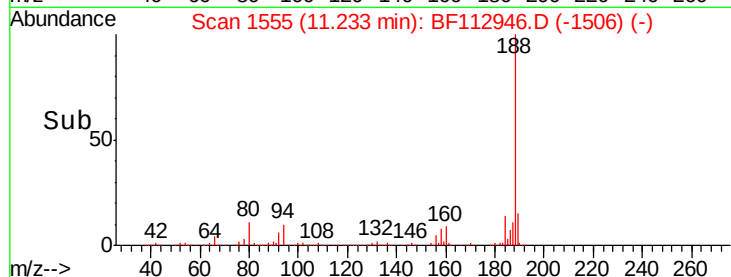
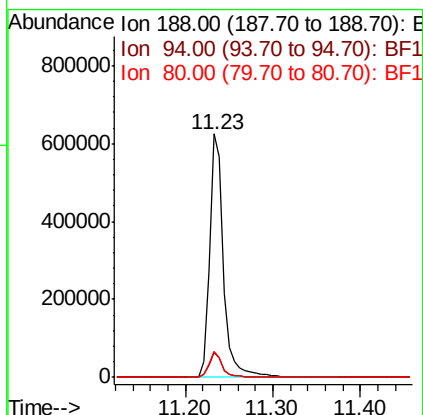
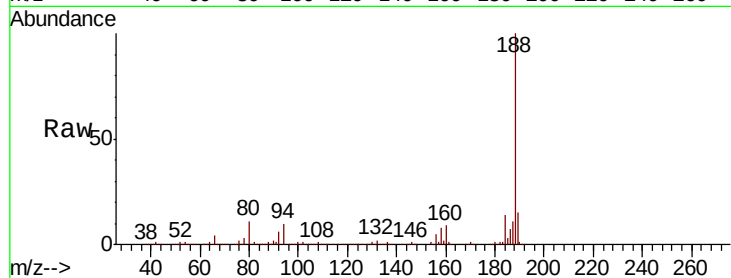




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

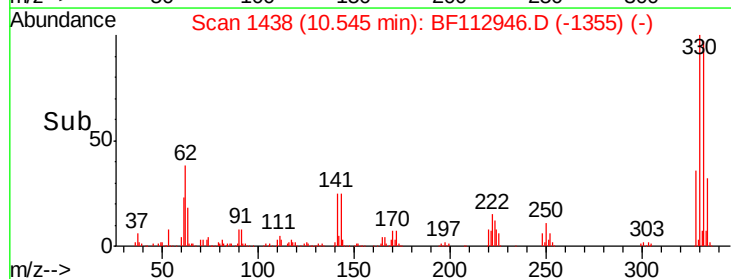
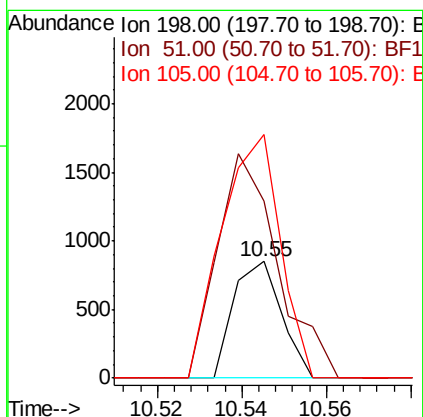
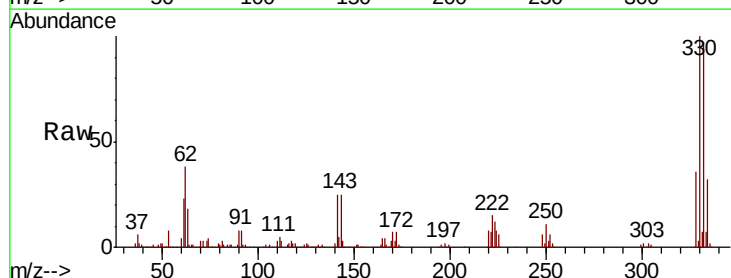
Instrument :
BNA_F
ClientSampleId :

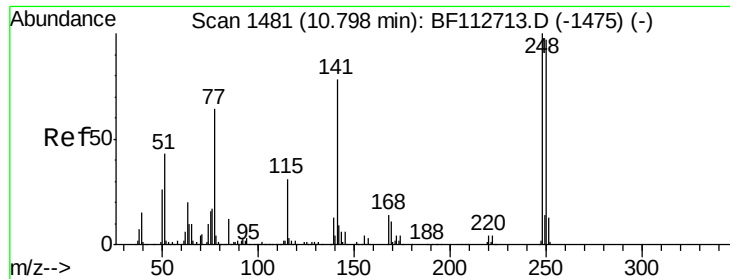
Tot Ion:188 Resp: 685775
Ion Ratio Lower Upper
188 100
94 10.3 9.0 13.4
80 10.5 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.826 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion:198 Resp: 665
Ion Ratio Lower Upper
198 100
51 152.4 43.8 83.8#
105 209.3 36.5 76.5#

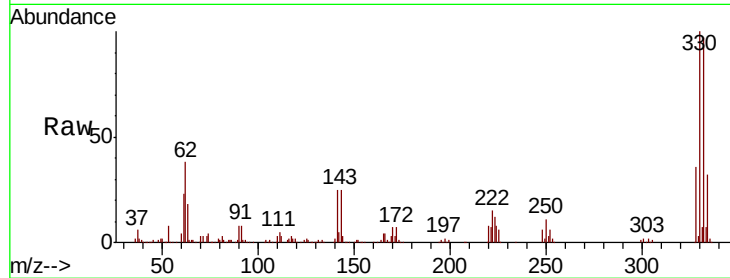




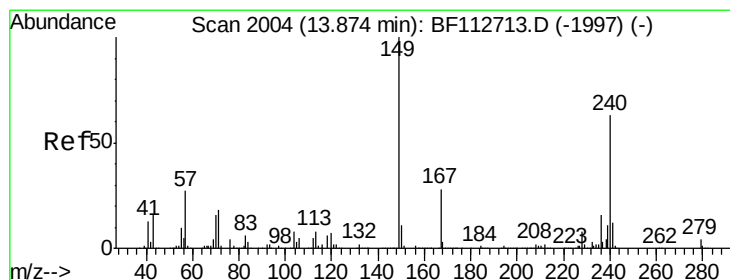
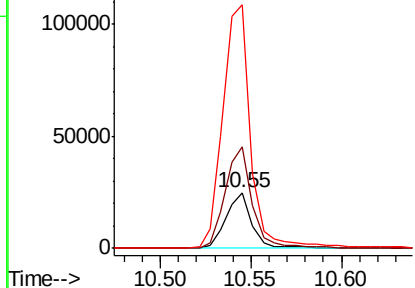
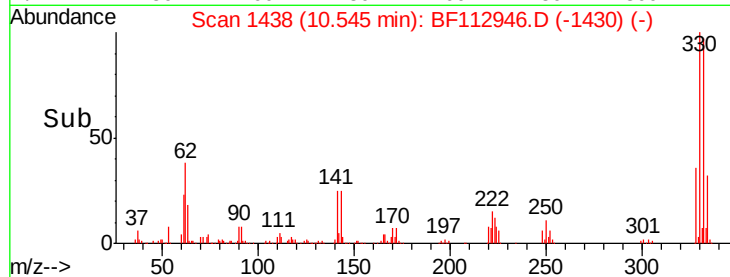
#67
4-Bromophenyl-phenylether
Concen: 3.377 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 24394
Ion Ratio Lower Upper
248 100
250 183.4 77.5 116.3#
141 437.3 62.4 93.6#

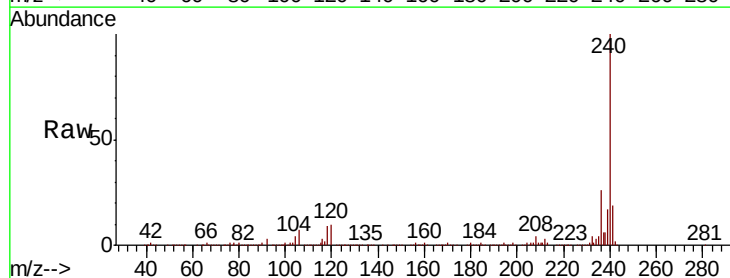


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

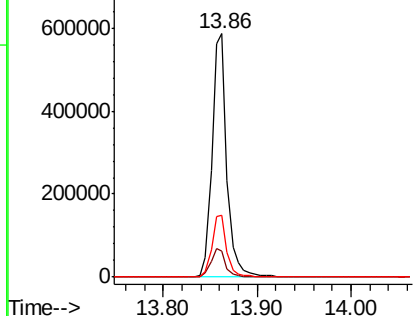
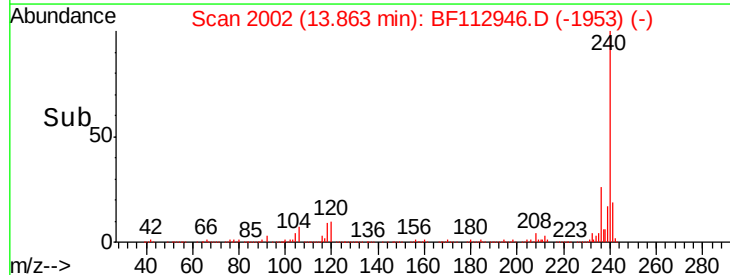


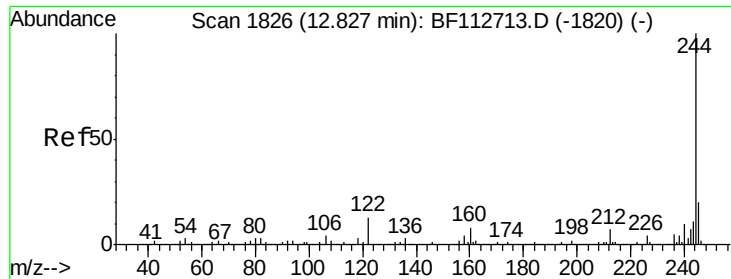
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112946.D
Acq: 8 Mar 2019 16:05

Tgt Ion:240 Resp: 654387
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.6 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

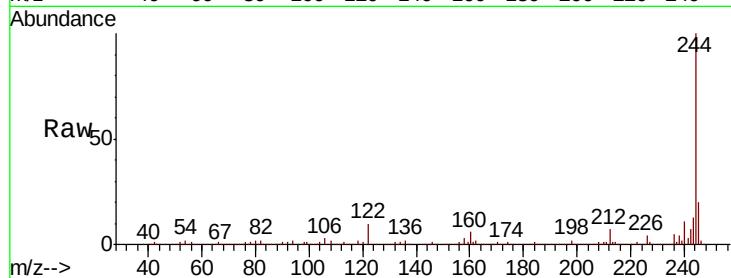




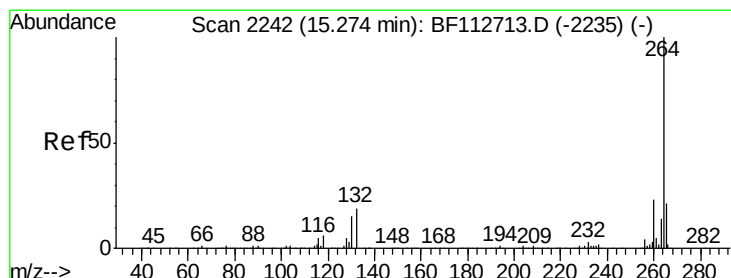
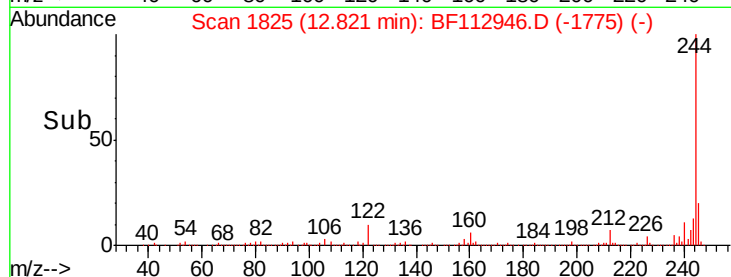
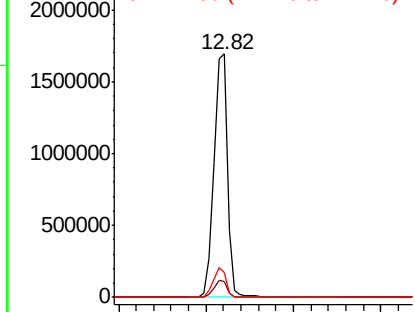
#79
 Terphenyl-d14
 Concen: 54.264 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112946.D
 Acq: 8 Mar 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1831830
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.2 10.5 15.7#

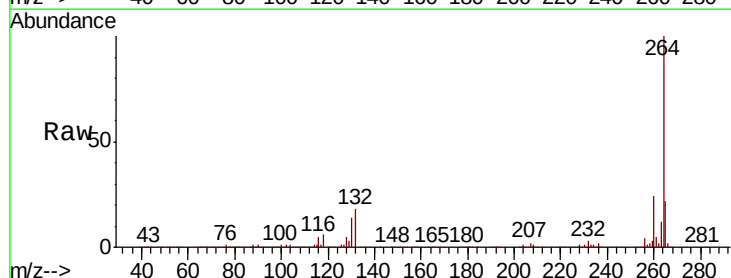


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF112946.D
 Acq: 8 Mar 2019 16:05

Tgt Ion:264 Resp: 549228
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 22.2 17.2 25.8



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

