

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113168.D
 Acq On : 20 Mar 2019 13:48
 Operator : JU/SJ
 Sample : K1972-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:20:31 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	131119	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	481472	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	258022	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	531107	20.00	ng	0.00
76) Chrysene-d12	13.86	240	306303	20.00	ng	0.00
87) Perylene-d12	15.27	264	313198	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	435974	51.72	ng	0.00
7) Phenol-d6	6.36	99	400952	37.87	ng	-0.01
23) Nitrobenzene-d5	7.28	82	722095	89.74	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	446181	162.89	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1457185	97.25	ng	0.00
79) Terphenyl-d14	12.82	244	1539052	97.40	ng	0.00

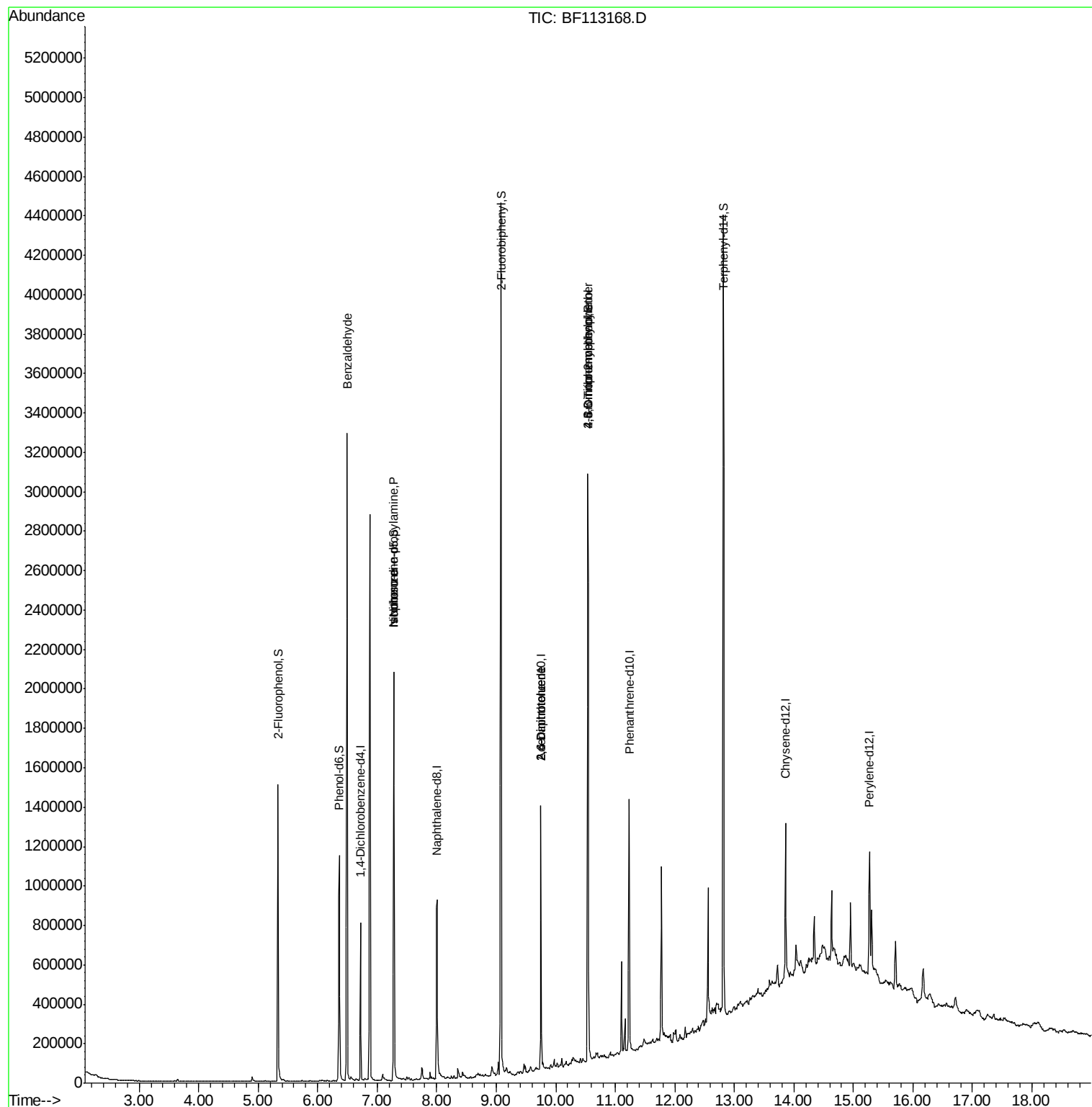
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	18955	2.484	ng	# 75
19) n-Nitroso-di-n-propylamine	7.28	70	94642	14.113	ng	# 77
25) Isophorone	7.28	82	694386	40.058	ng	# 65
51) 2,6-Dinitrotoluene	9.75	165	34248	8.644	ng	# 25
57) 2,4-Dinitrotoluene	9.75	165	34248	6.954	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.54	198	891	4.982	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	25292	4.521	ng	# 1

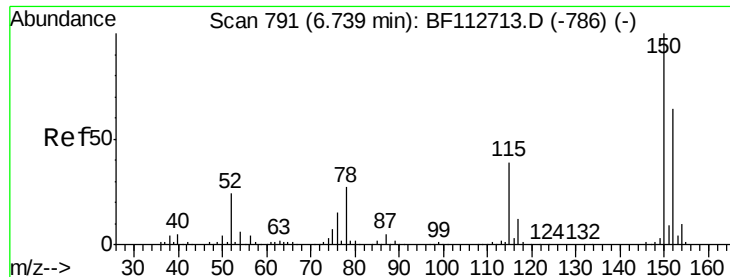
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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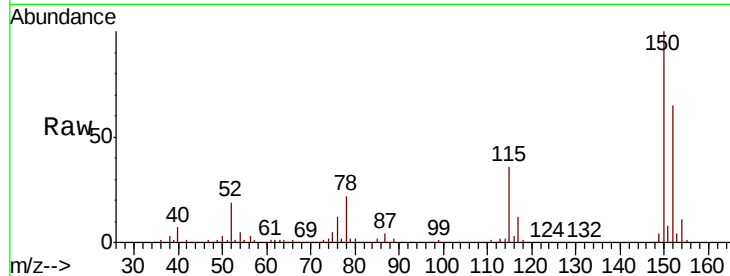


#1

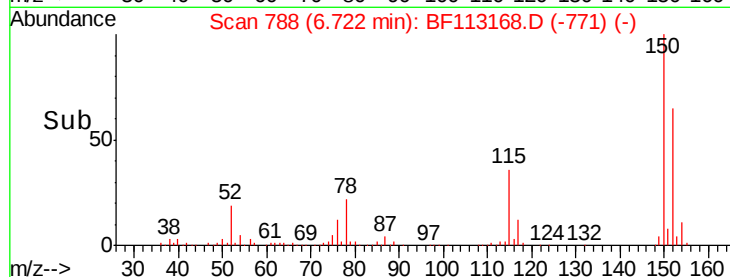
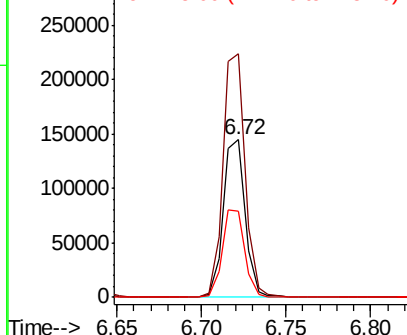
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131119
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.6
115 55.0 45.9 68.9



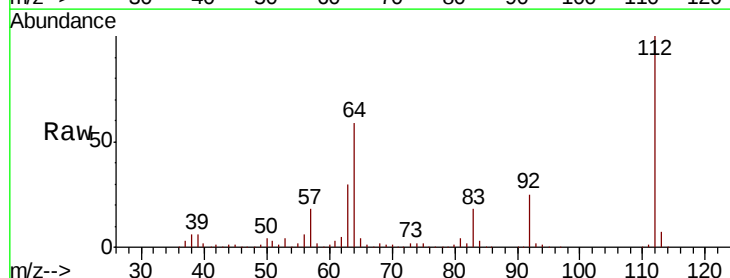
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



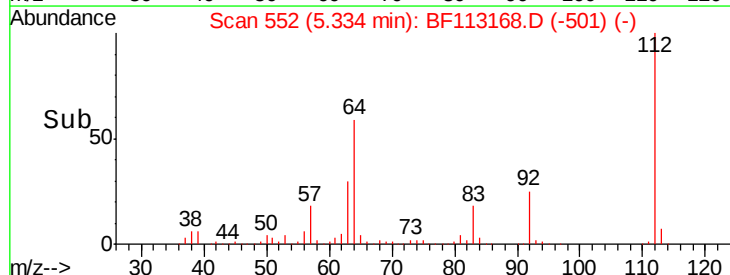
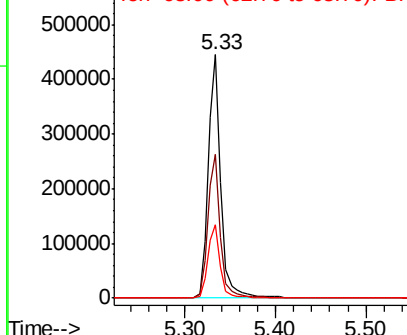
#5

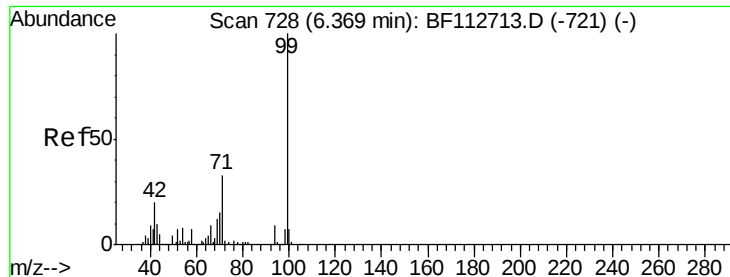
2-Fluorophenol
Concen: 51.722 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Tgt Ion:112 Resp: 435974
Ion Ratio Lower Upper
112 100
64 59.0 49.3 73.9
63 29.9 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: 37.867 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113168.D

Acq: 20 Mar 2019 13:48

Instrument :

BNA_F

ClientSampled :

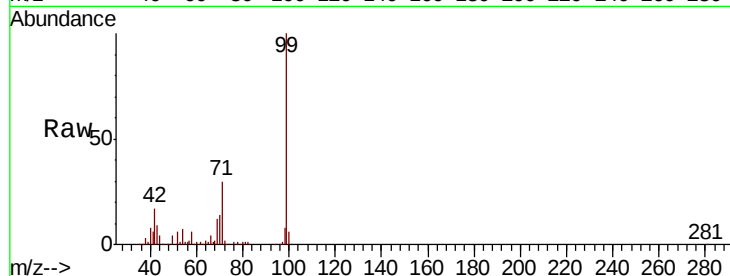
Tot Ion: 99 Resp: 400952

Ion Ratio Lower Upper

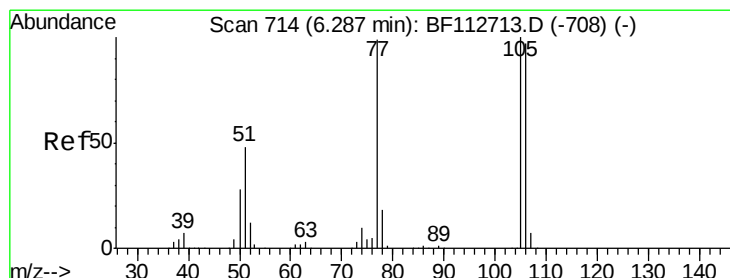
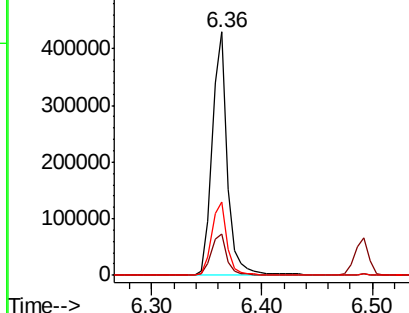
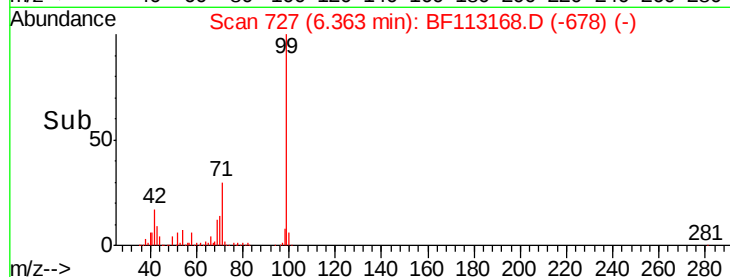
99 100

42 17.1 15.2 22.8

71 30.1 25.7 38.5



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



#9

Benzaldehyde

Concen: 2.484 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF113168.D

Acq: 20 Mar 2019 13:48

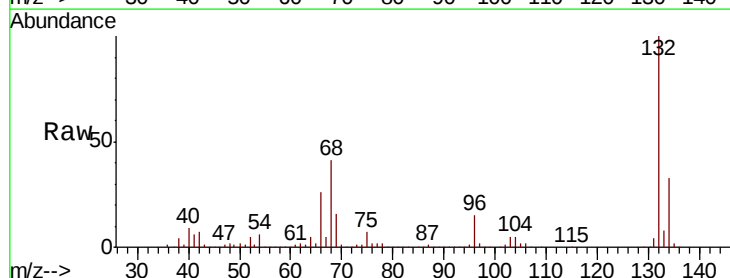
Tgt Ion: 77 Resp: 18955

Ion Ratio Lower Upper

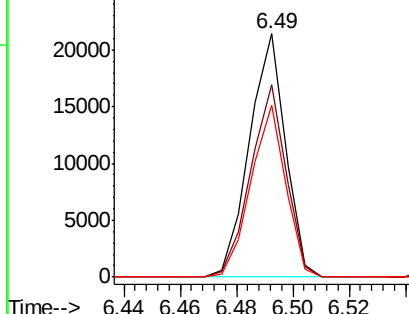
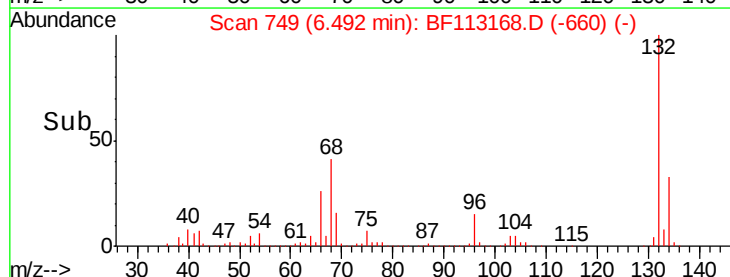
77 100

105 78.8 81.4 121.4#

106 70.5 77.1 117.1#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

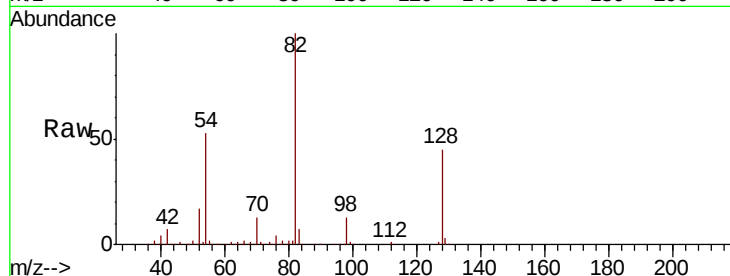




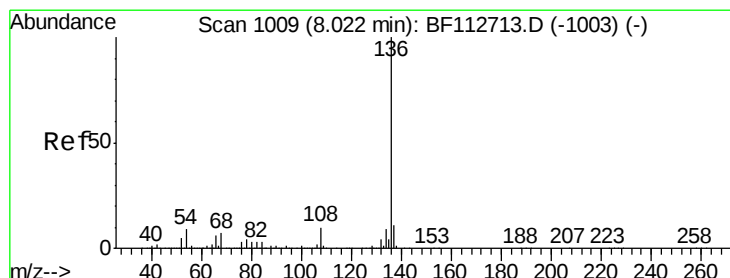
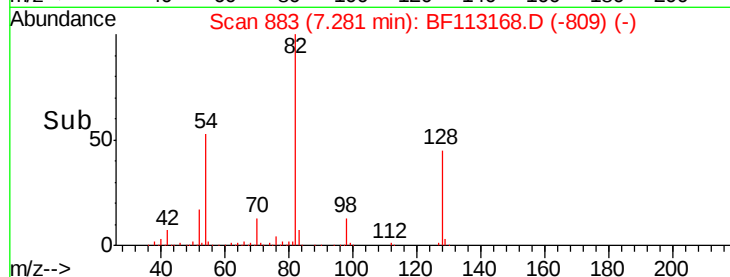
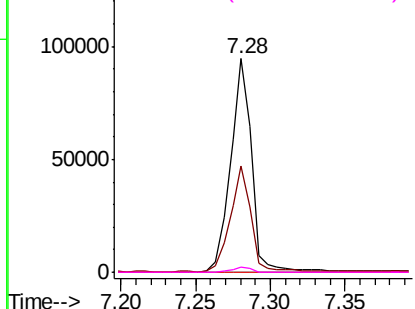
#19
n-Nitroso-di-n-propylamine
Concen: 14.113 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.14 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 94642
Ion Ratio Lower Upper
70 100
42 49.9 50.4 75.6#
101 0.0 7.5 11.3#
130 2.2 17.0 25.6#

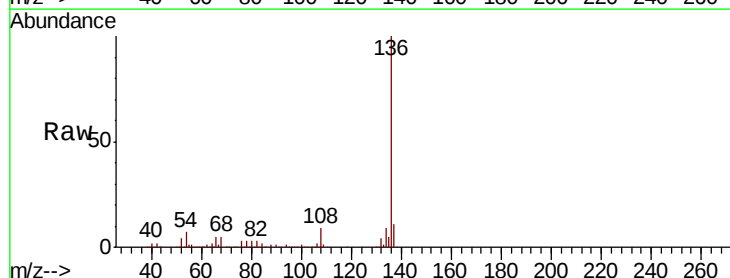


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

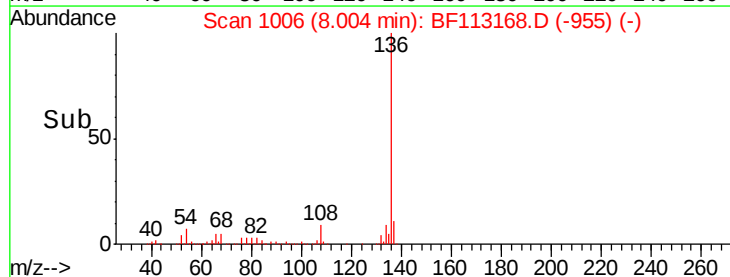
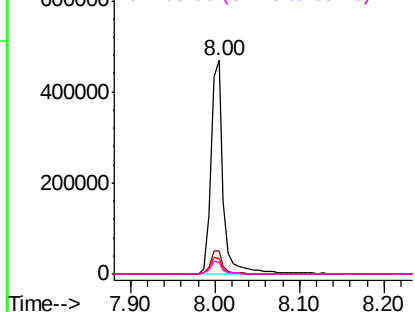


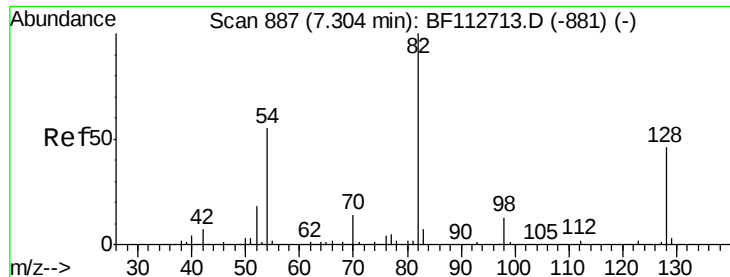
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Tgt Ion: 136 Resp: 481472
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.1 7.0 10.6
68 5.2 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

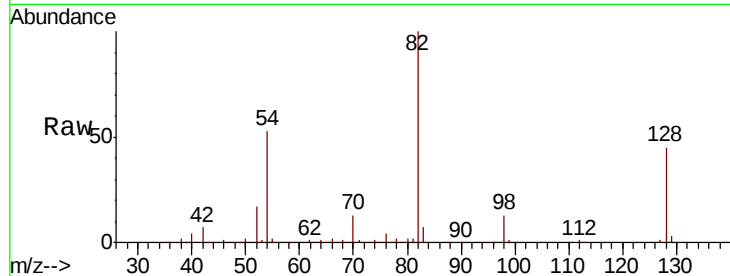




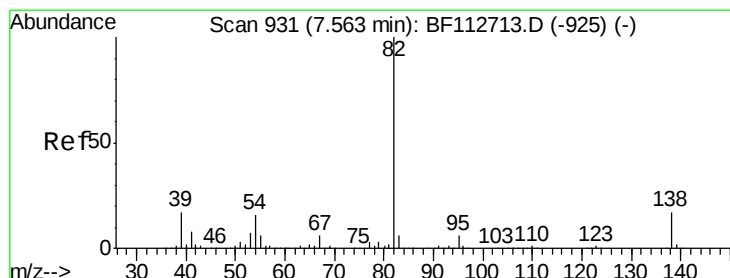
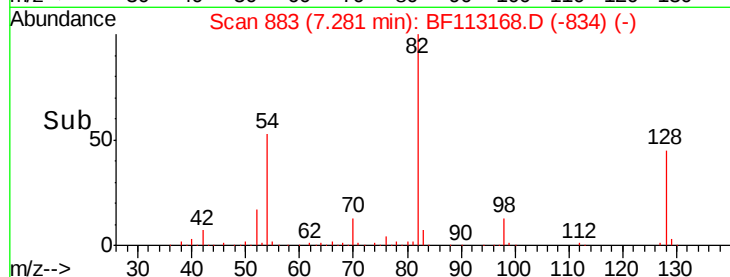
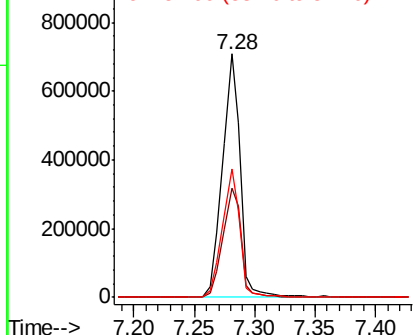
#23
Nitrobenzene-d5
Concen: 89.743 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 722095
Ion Ratio Lower Upper
82 100
128 45.0 37.9 56.9
54 52.7 41.2 61.8

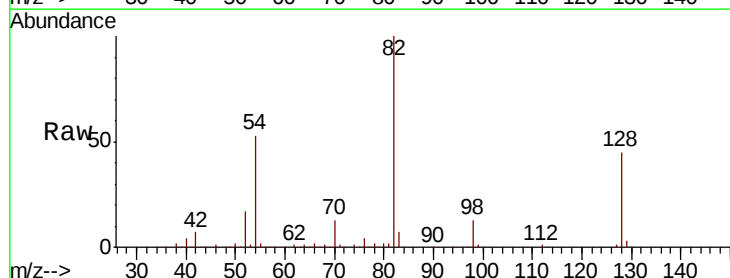


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

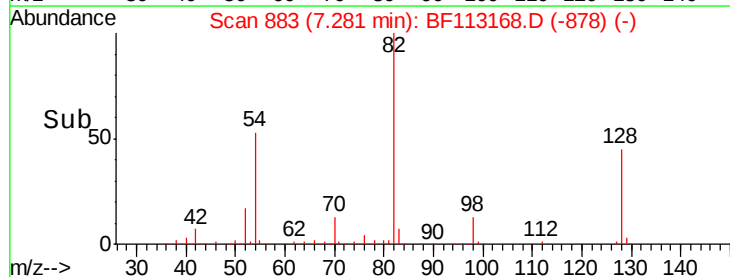
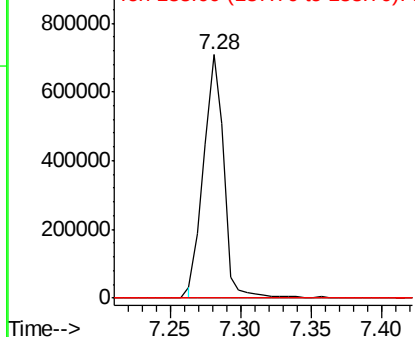


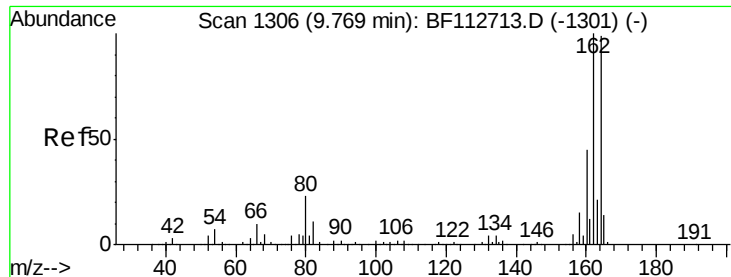
#25
Isophorone
Concen: 40.058 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Tgt Ion: 82 Resp: 694386
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.5 21.7#



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

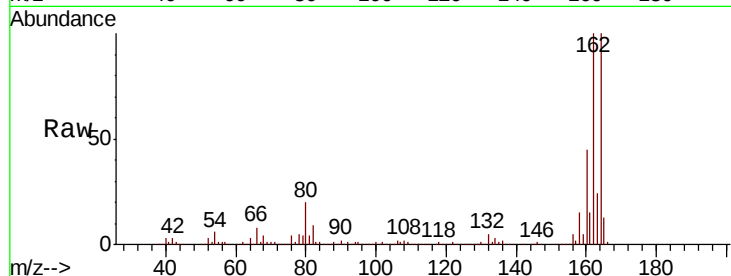




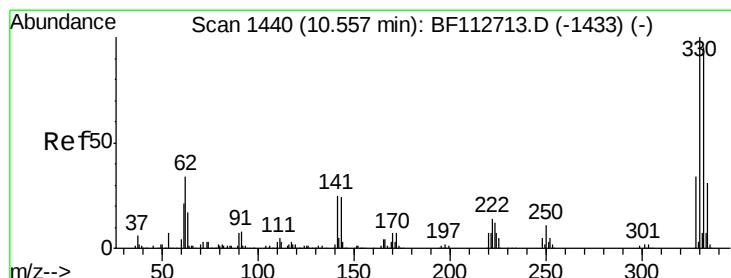
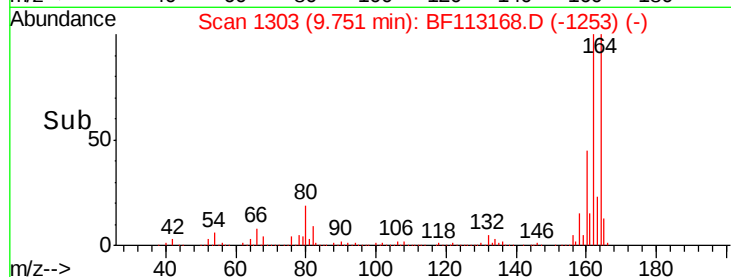
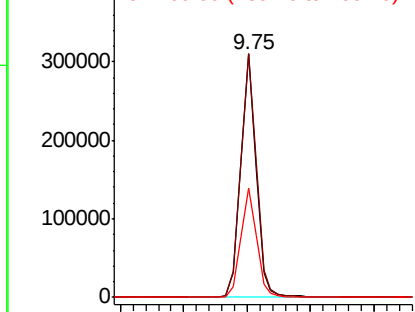
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 258022
 Ion Ratio Lower Upper
 164 100
 162 99.9 80.8 121.2
 160 44.7 36.2 54.2

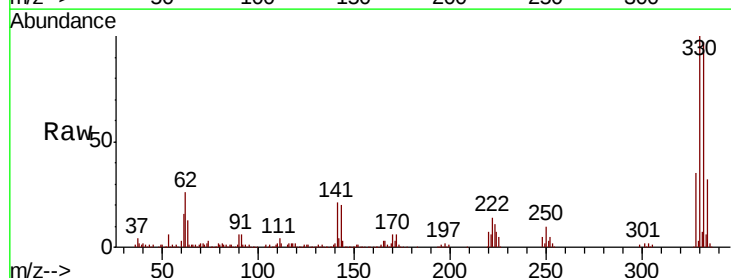


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

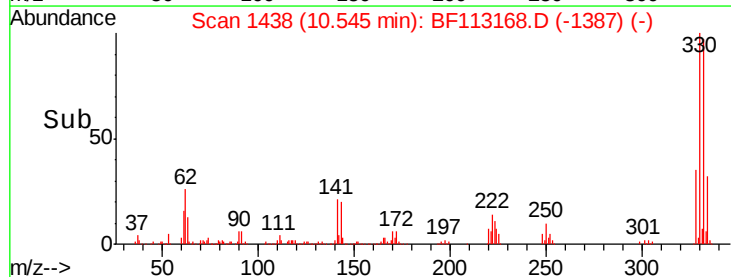
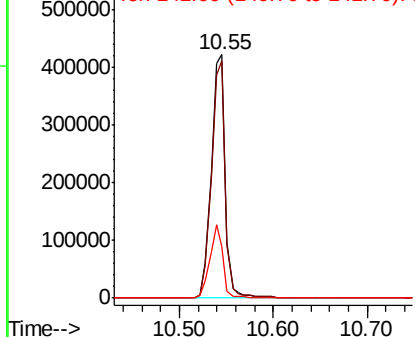


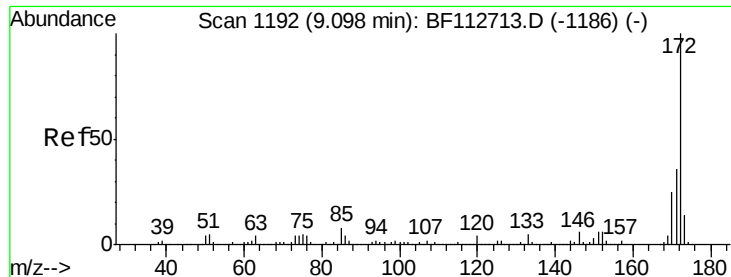
#42
 2,4,6-Tribromophenol
 Concen: 162.886 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

Tgt Ion:330 Resp: 446181
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.3 114.5
 141 28.0 22.3 33.5



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



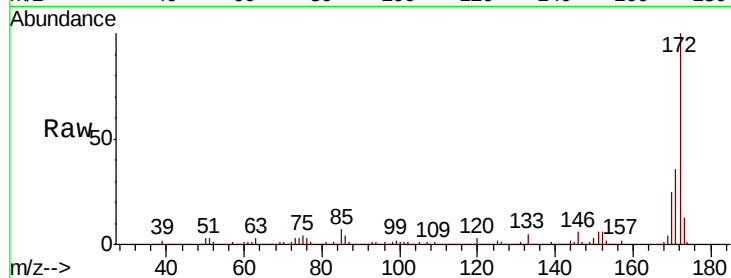


#45
 2-Fluorobiphenyl
 Concen: 97.249 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

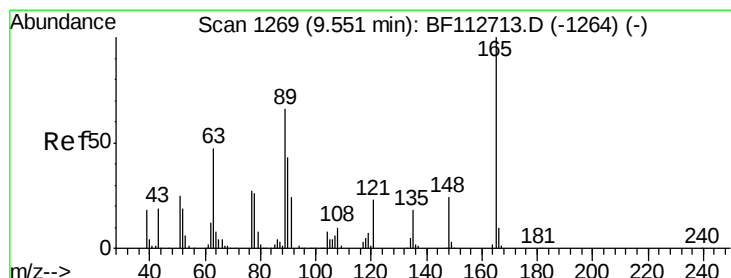
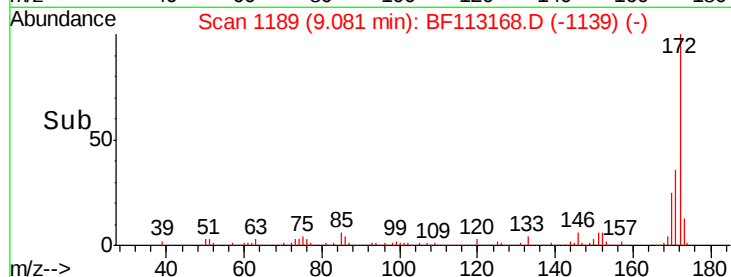
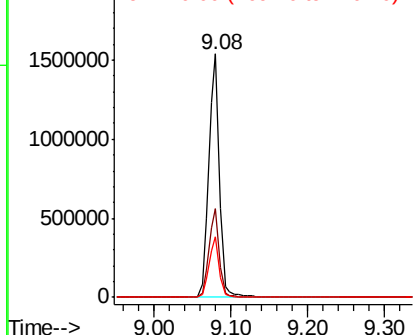
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1457185

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.7	20.1	30.1



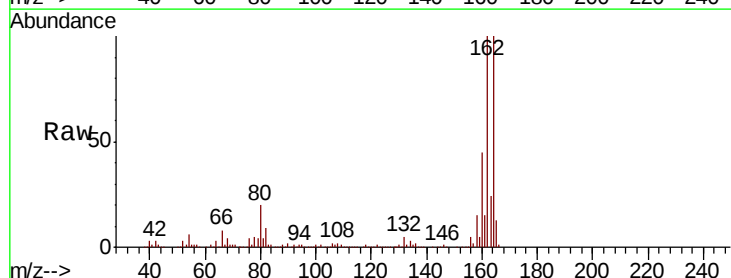
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



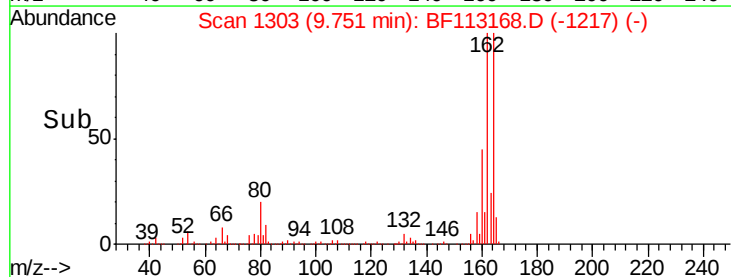
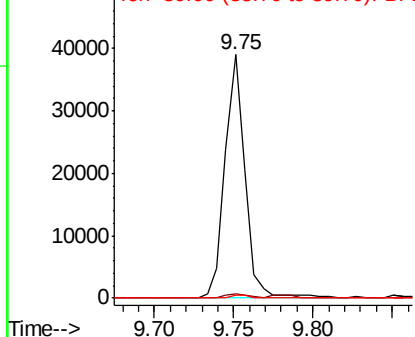
#51
 2,6-Dinitrotoluene
 Concen: 8.644 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

Tgt Ion:165 Resp: 34248

Ion	Ratio	Lower	Upper
165	100		
63	1.6	45.4	68.2#
89	1.4	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

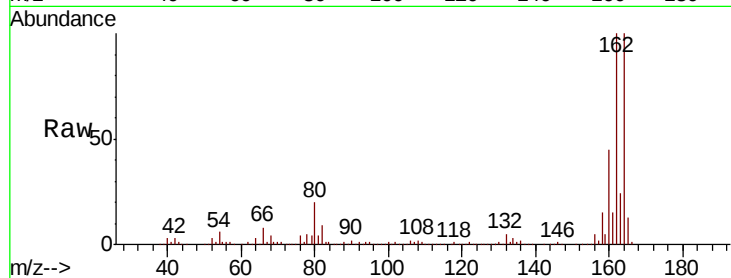




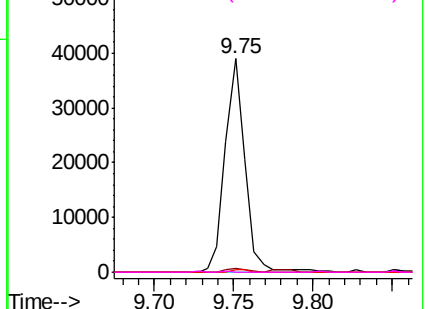
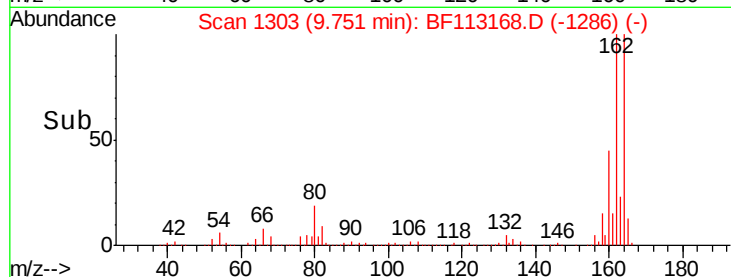
#57
2,4-Dinitrotoluene
Concen: 6.954 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	37.9	56.9#
89	1.4	58.5	87.7#
182	0.0	2.2	3.2#

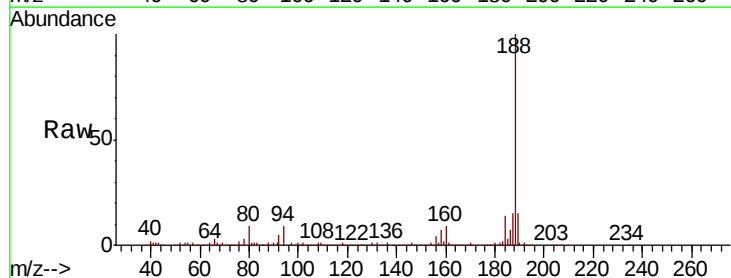


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

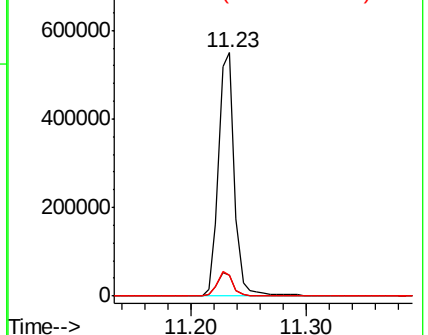
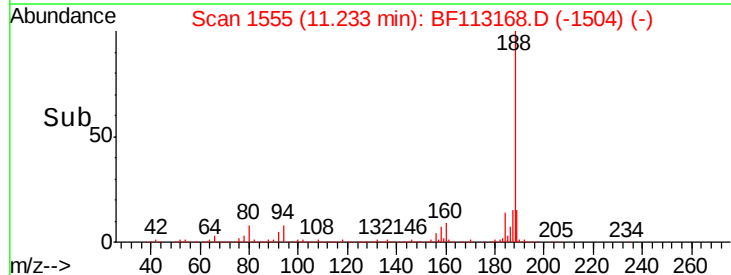


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.4	11.2
80	8.5	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

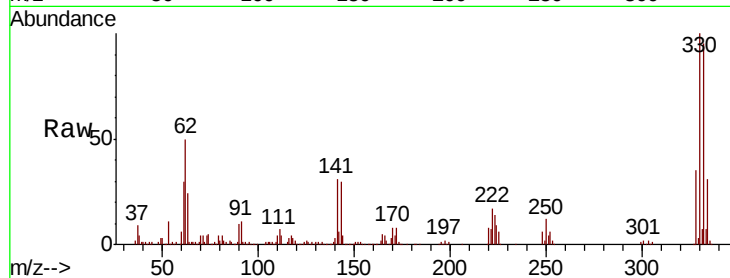




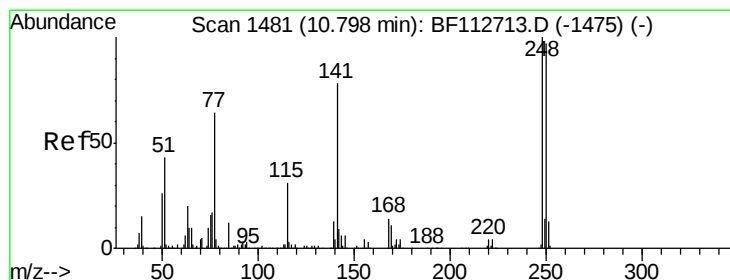
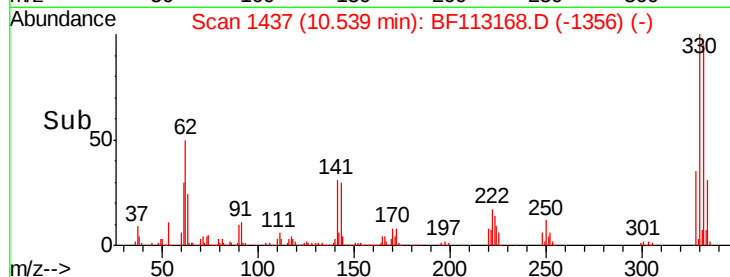
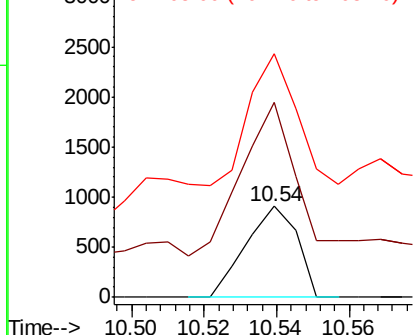
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.982 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 891
 Ion Ratio Lower Upper
 198 100
 51 213.9 25.5 65.5#
 105 267.3 23.2 63.2#

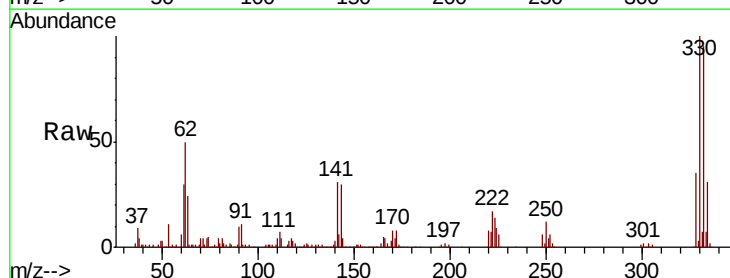


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

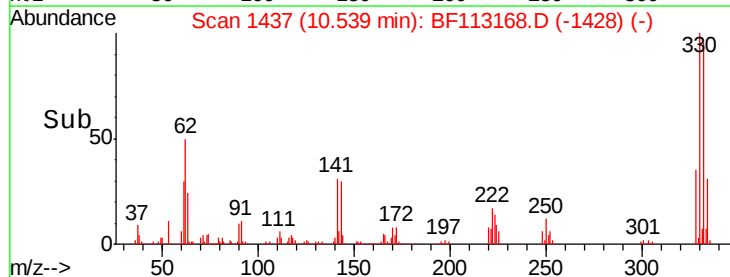
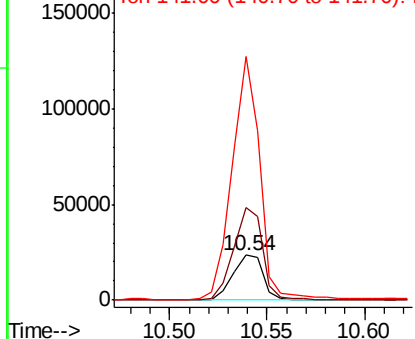


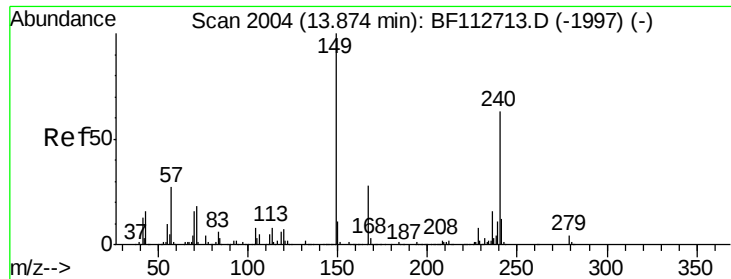
#67
 4-Bromophenyl-phenylether
 Concen: 4.521 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF113168.D
 Acq: 20 Mar 2019 13:48

Tgt Ion:248 Resp: 25292
 Ion Ratio Lower Upper
 248 100
 250 207.1 78.4 117.6#
 141 542.2 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: BF113168.D

Acq: 20 Mar 2019 13:48

Instrument :

BNA_F

ClientSampleId :

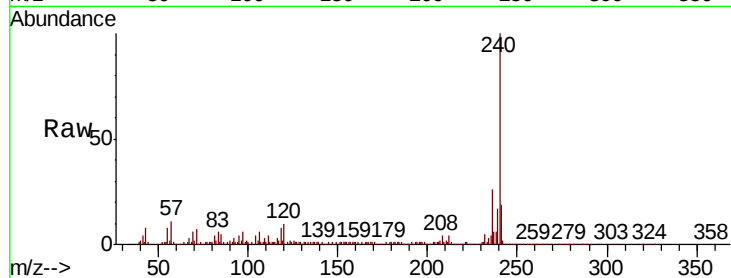
Tot Ion:240 Resp: 306303

Ion Ratio Lower Upper

240 100

120 9.7 8.6 12.8

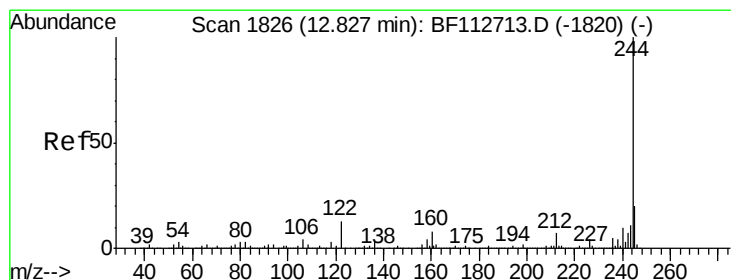
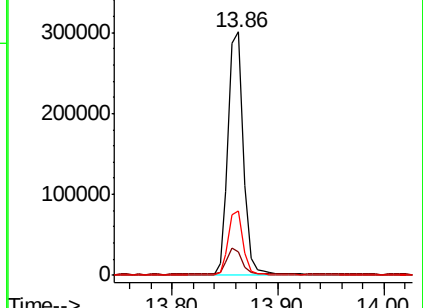
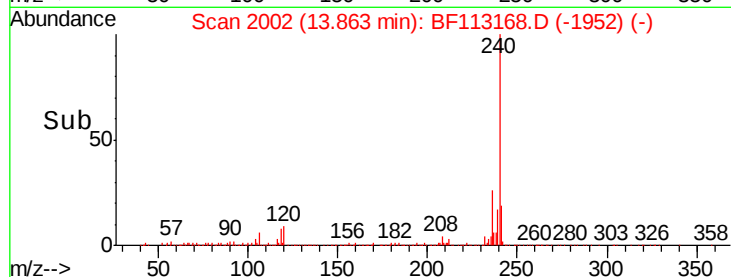
236 26.4 21.2 31.8



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: 97.402 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF113168.D

Acq: 20 Mar 2019 13:48

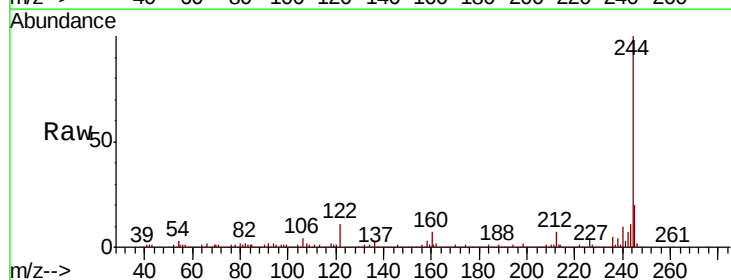
Tgt Ion:244 Resp: 1539052

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

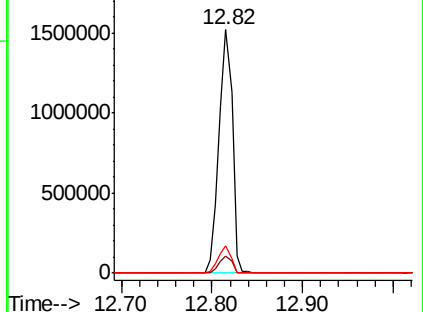
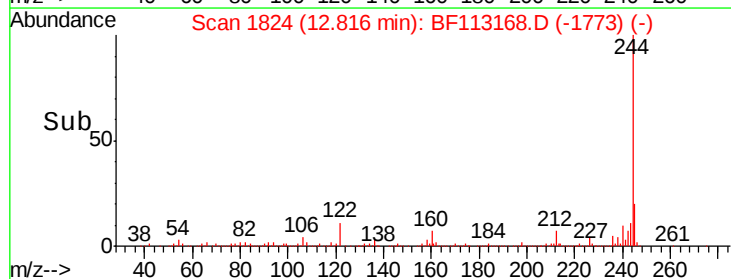
122 11.5 9.4 14.2

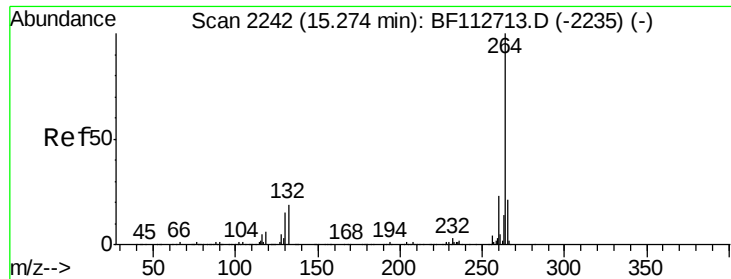


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF113168.D
Acq: 20 Mar 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	17.7	26.5

