

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112145.D
 Acq On : 19 Jan 2019 00:40
 Operator : JU/SJ
 Sample : K1189-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3422

Quant Time: Jan 19 01:11:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	257756	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	955237	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	465118	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	821846	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	594012	20.00	ng	-0.01
87) Perylene-d12	15.49	264	608173	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1470788	103.57	ng	0.00
7) Phenol-d6	6.50	99	1596377	89.85	ng	0.00
23) Nitrobenzene-d5	7.42	82	1356131	98.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	640930	127.74	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2586877	81.54	ng	0.00
79) Terphenyl-d14	12.96	244	2479585	88.80	ng	0.00

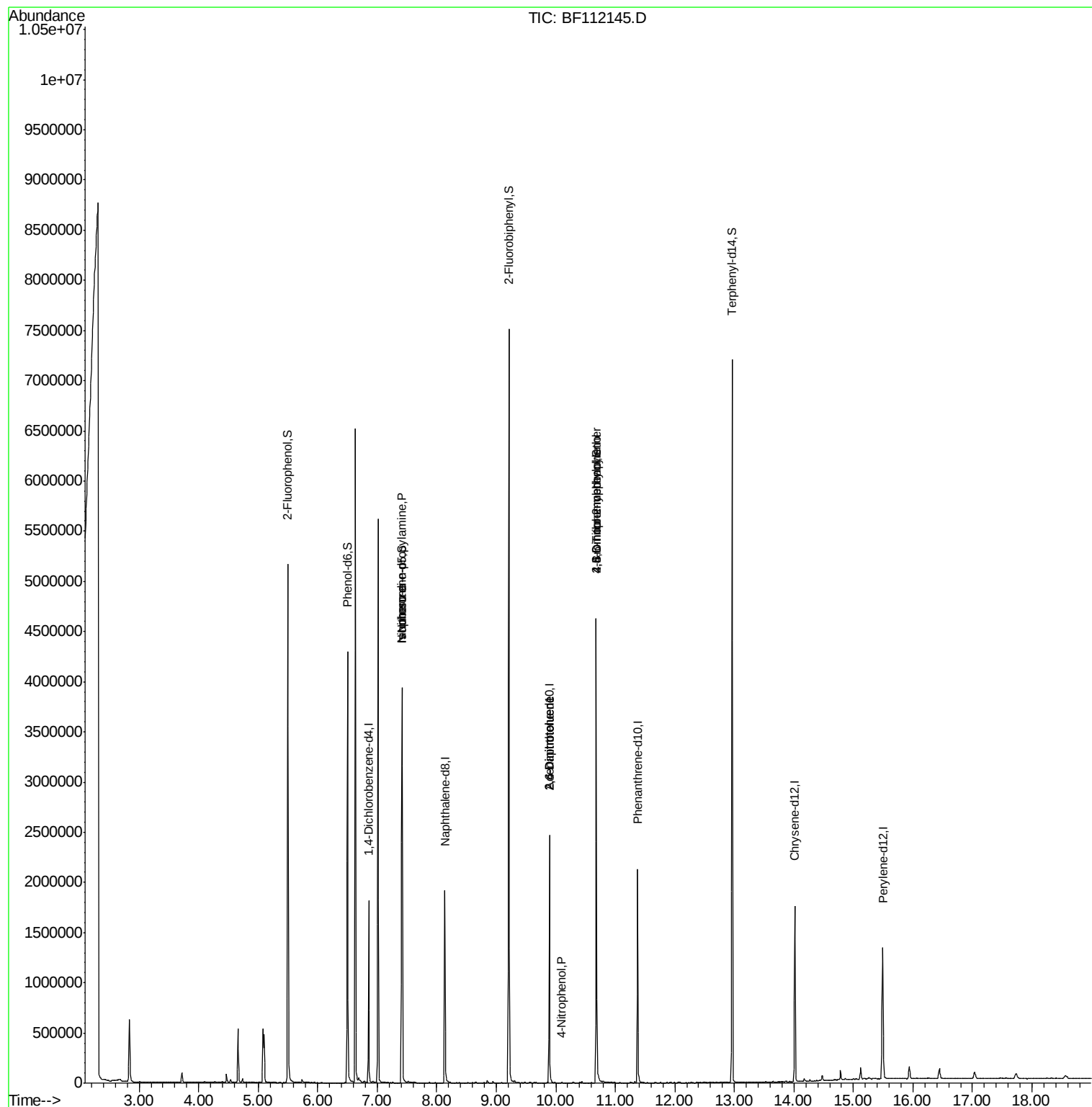
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2625	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.42	70	183771	16.978	ng	# 76
25) Isophorone	7.42	82	1338007	50.102	ng	# 63
51) 2,6-Dinitrotoluene	9.89	165	60926	8.994	ng	# 34
56) 4-Nitrophenol	10.10	139	1079	5.840	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	60927	10.919	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.68	198	1322	10.374	ng	# 1
67) 4-Bromophenyl-phenylether	10.68	248	37068	3.883	ng	# 1

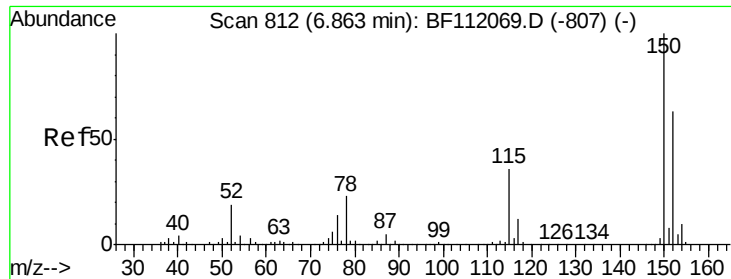
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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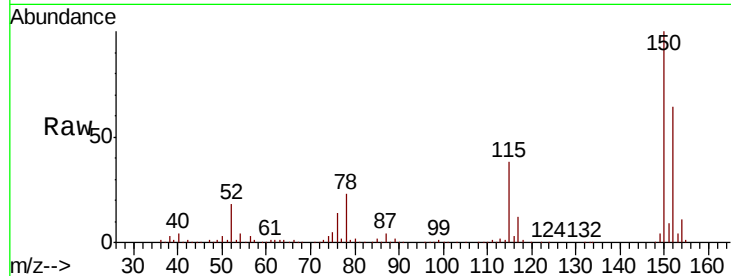


#1

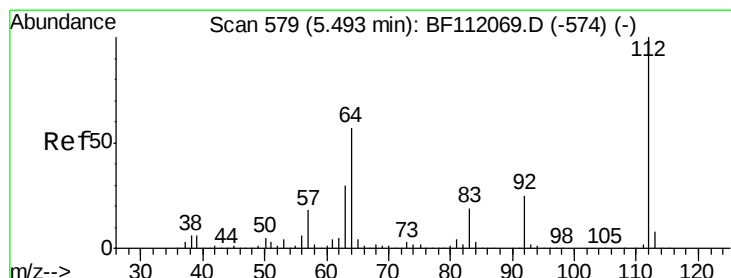
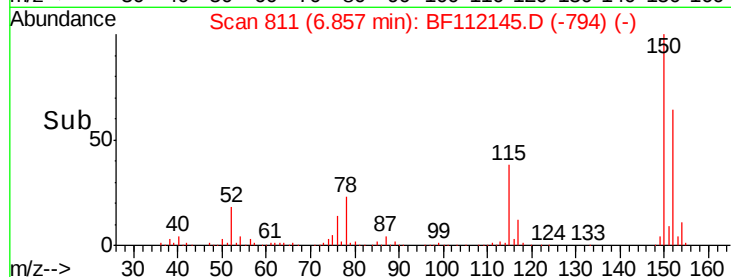
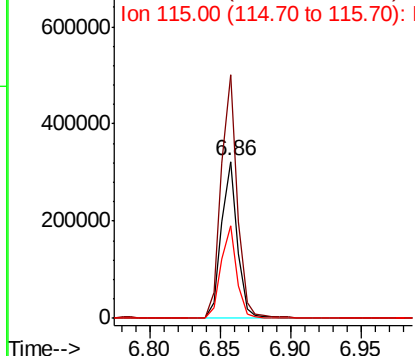
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112145.D
Acq: 19 Jan 2019 00:40

Instrument :
BNA_F
ClientSampleId :
RT3422

Tgt Ion:152 Resp: 257756
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.0
115 59.3 45.5 68.3



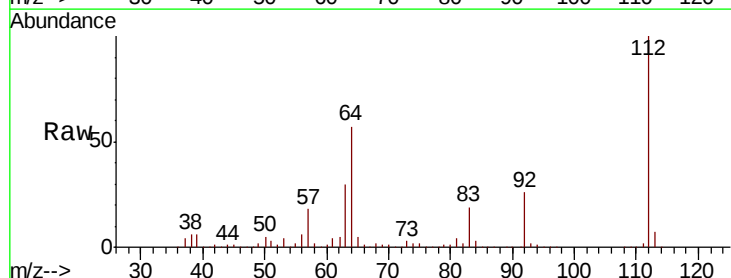
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



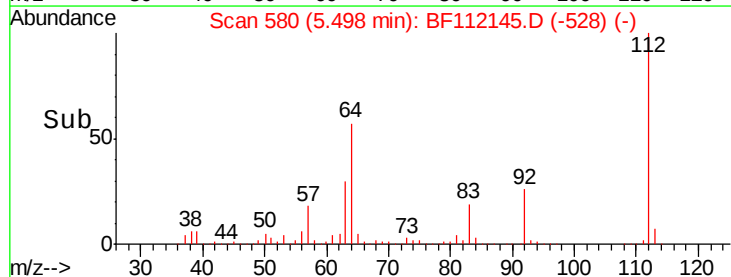
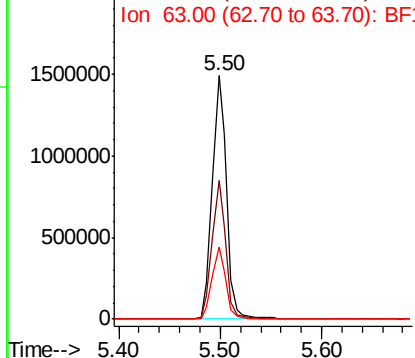
#5

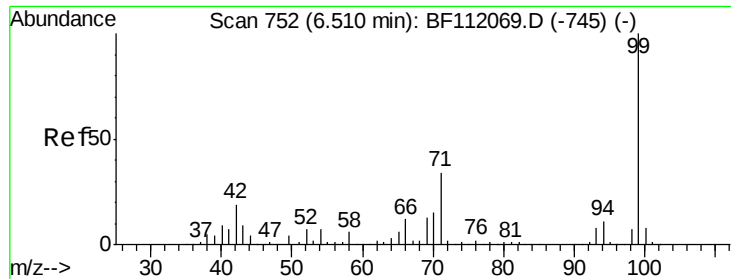
2-Fluorophenol
Concen: 103.568 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112145.D
Acq: 19 Jan 2019 00:40

Tgt Ion:112 Resp: 1470788
Ion Ratio Lower Upper
112 100
64 57.2 45.7 68.5
63 29.9 23.6 35.4



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: 89.847 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Instrument :

BNA_F

ClientSampleId :

RT3422

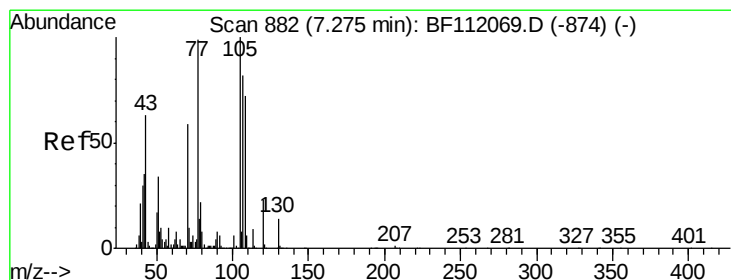
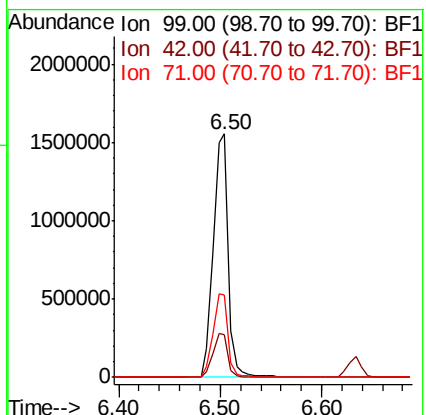
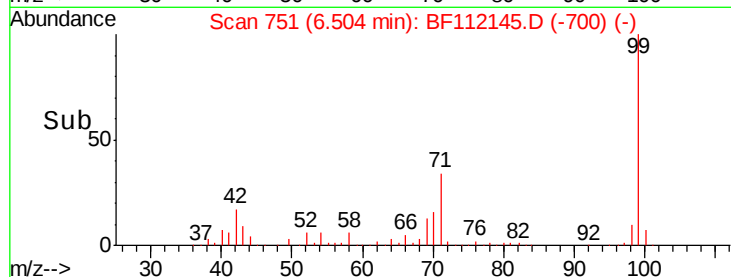
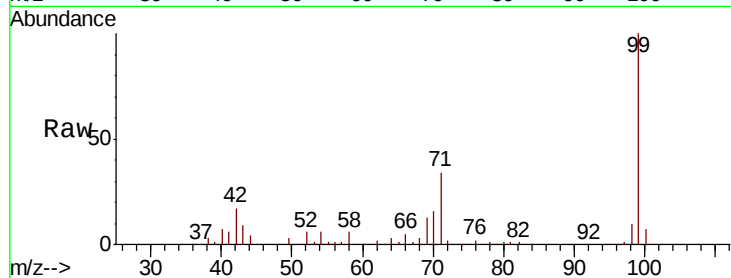
Tgt Ion: 99 Resp: 1596377

Ion Ratio Lower Upper

99 100

42 17.4 15.1 22.7

71 33.9 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.978 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Tgt Ion: 70 Resp: 183771

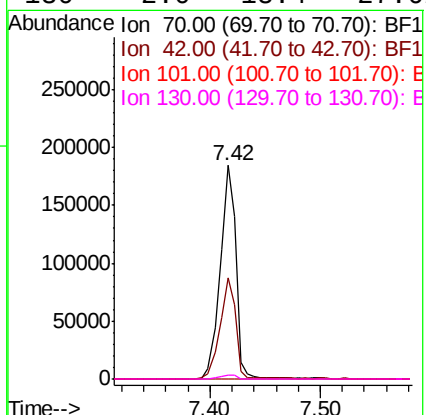
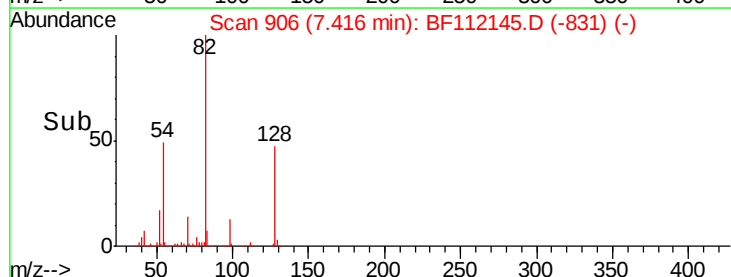
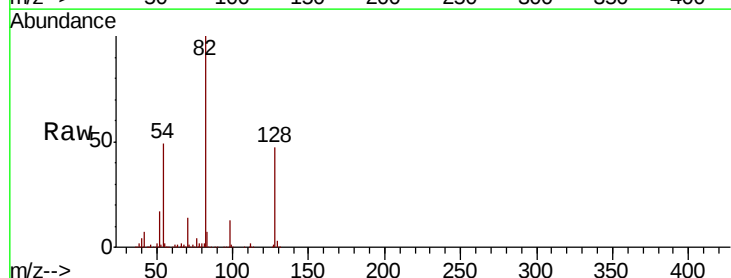
Ion Ratio Lower Upper

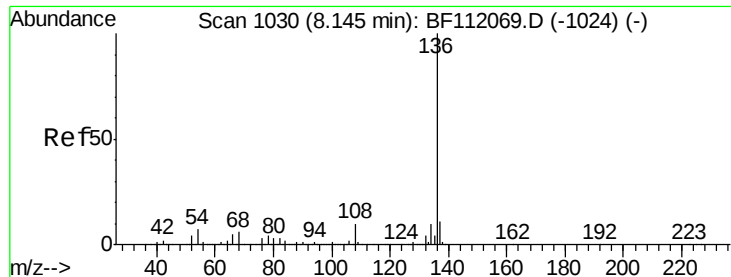
70 100

42 47.3 47.6 71.4#

101 0.0 7.9 11.9#

130 2.0 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

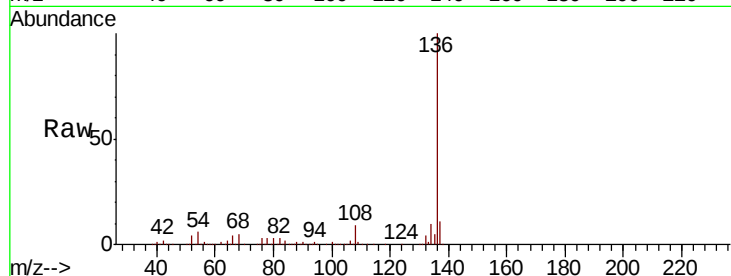
Instrument :

BNA_F

ClientSampleId :

RT3422

Tgt Ion:	136	Resp:	955237
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.1	5.9	8.9
68	4.9	5.1	7.7#



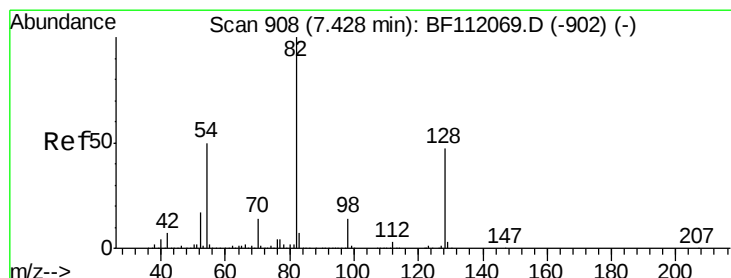
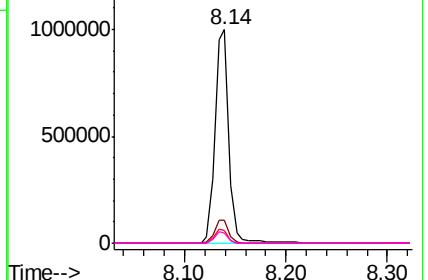
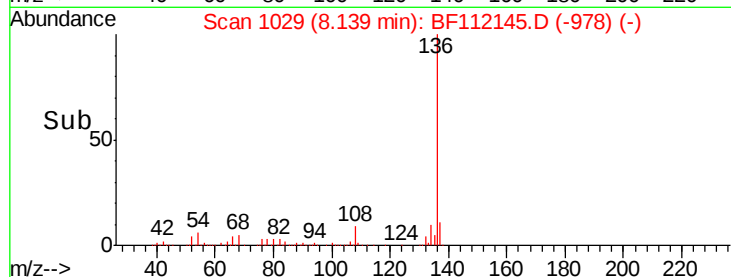
Abundance

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: 98.084 ng

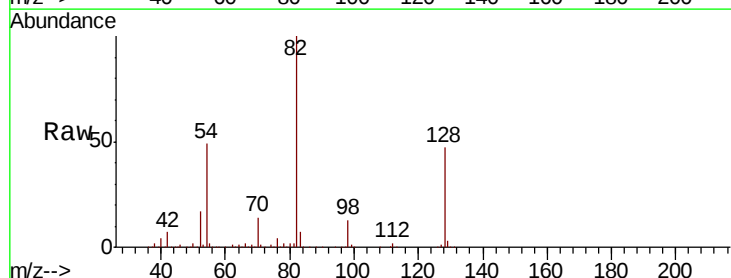
RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Tgt Ion:	82	Resp:	1356131
Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.8	56.8
54	48.7	39.7	59.5

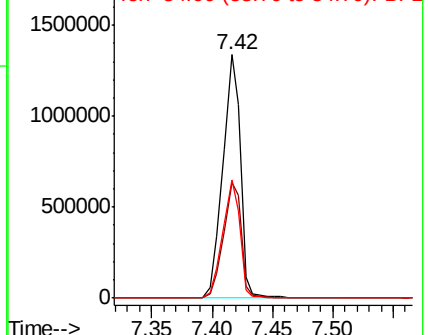
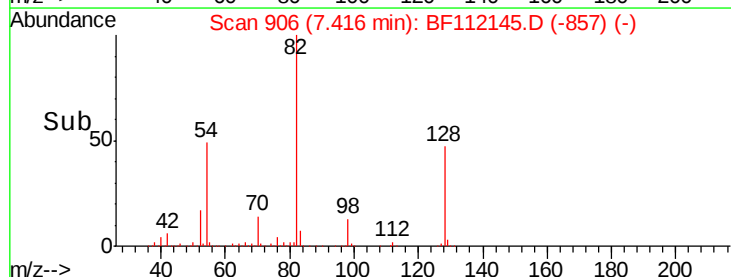


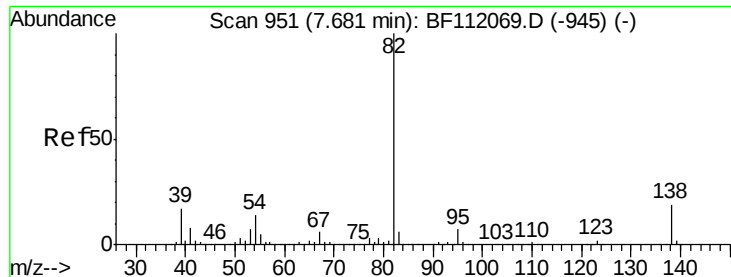
Abundance

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





#25

Isophorone

Concen: 50.102 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Instrument :

BNA_F

ClientSampleId :

RT3422

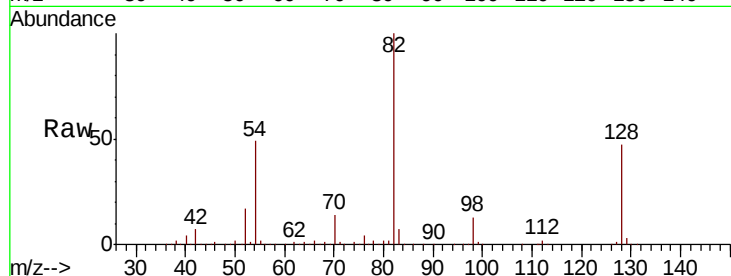
Tgt Ion: 82 Resp: 1338007

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

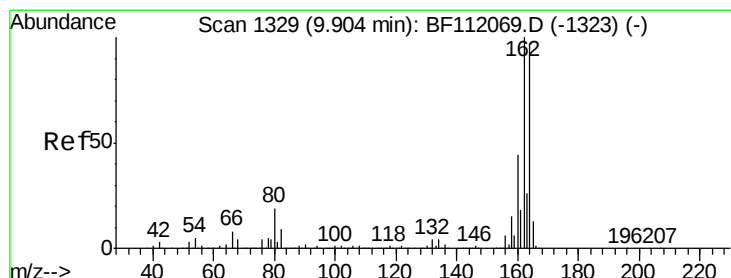
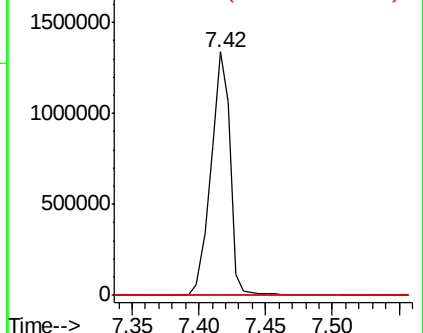
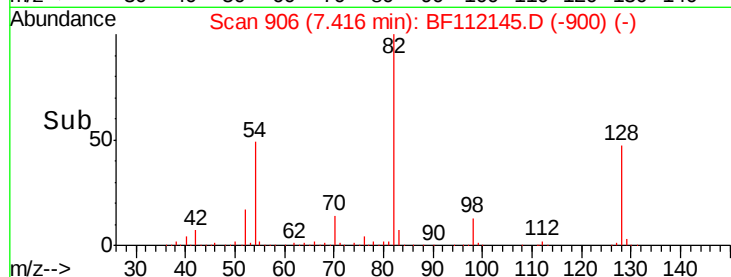
138 0.0 15.4 23.0#



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: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

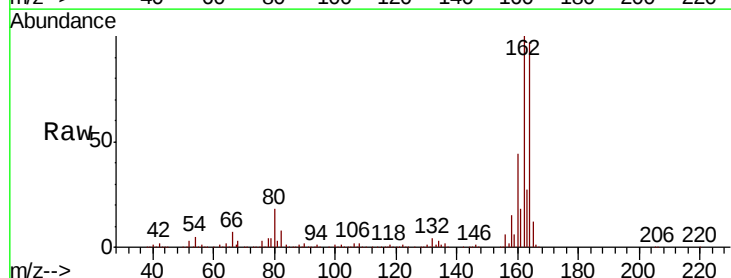
Tgt Ion: 164 Resp: 465118

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.4

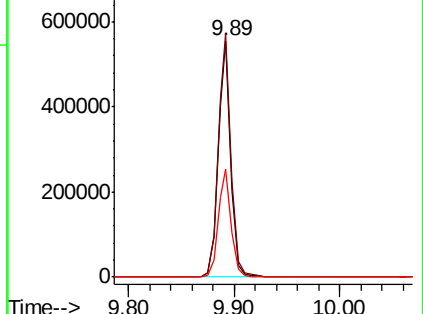
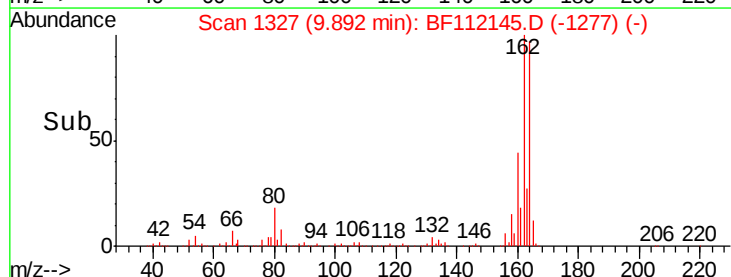
160 45.7 36.2 54.4

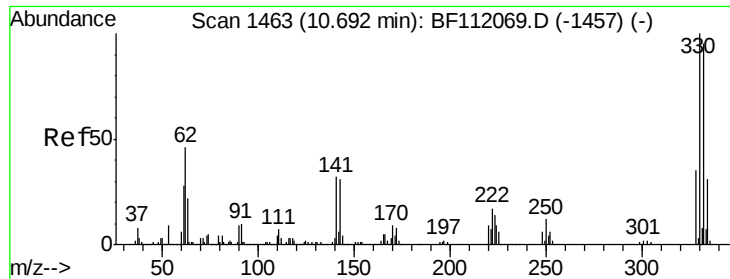


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

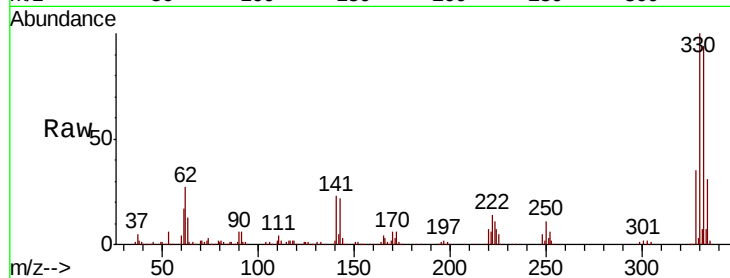




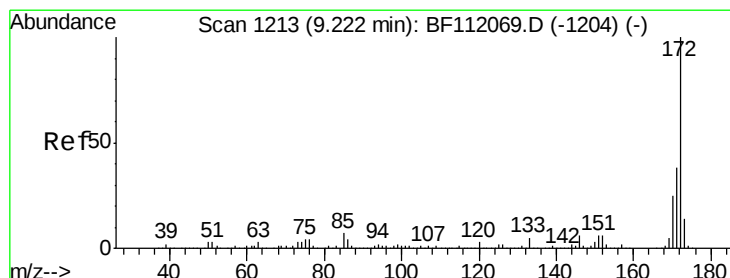
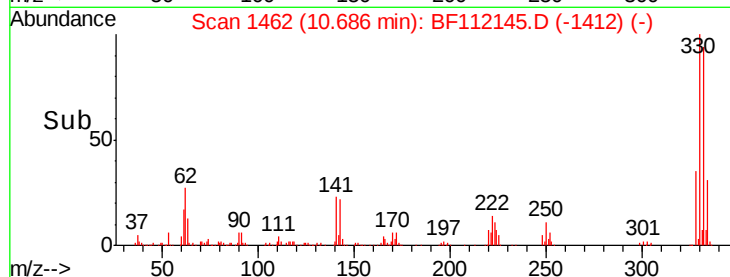
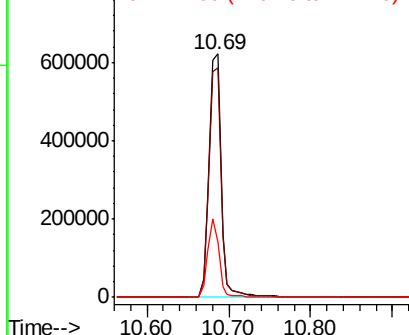
#42
 2,4,6-Tribromophenol
 Concen: 127.736 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112145.D
 Acq: 19 Jan 2019 00:40

Instrument :
 BNA_F
 ClientSampleId :
 RT3422

Tgt Ion:330 Resp: 640930
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 30.3 24.3 36.5

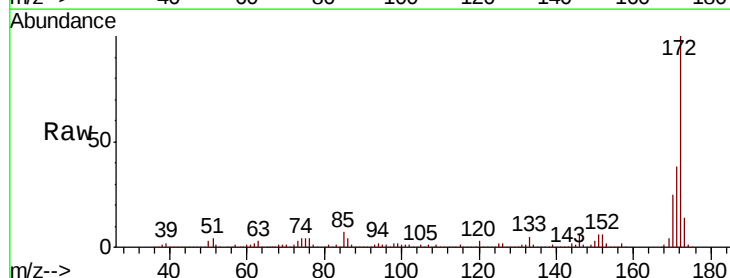


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

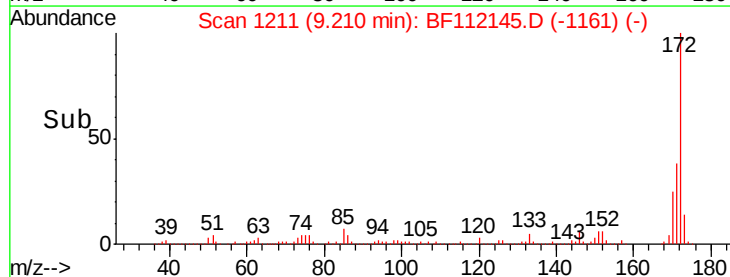
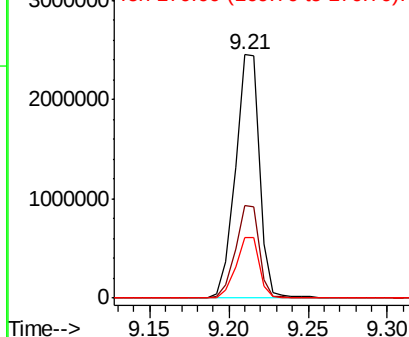


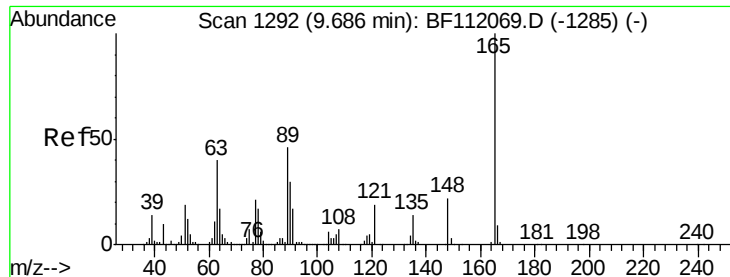
#45
 2-Fluorobiphenyl
 Concen: 81.542 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112145.D
 Acq: 19 Jan 2019 00:40

Tgt Ion:172 Resp: 2586877
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.5 45.7
 170 25.1 20.2 30.4



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





#51

2,6-Dinitrotoluene

Concen: 8.994 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.21 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Instrument :

BNA_F

ClientSampleId :

RT3422

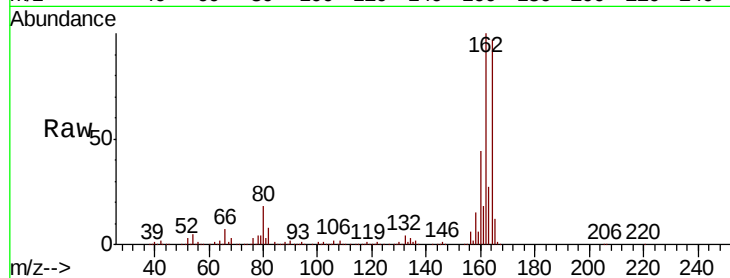
Tgt Ion:165 Resp: 60926

Ion Ratio Lower Upper

165 100

63 1.8 33.8 50.8#

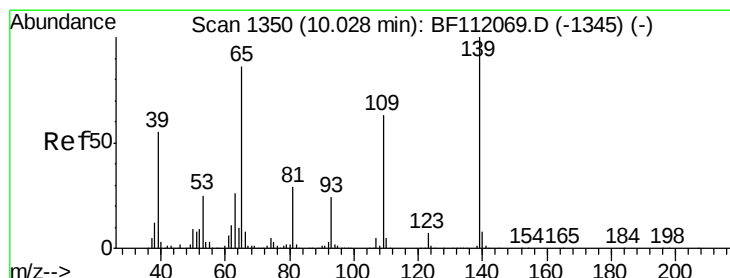
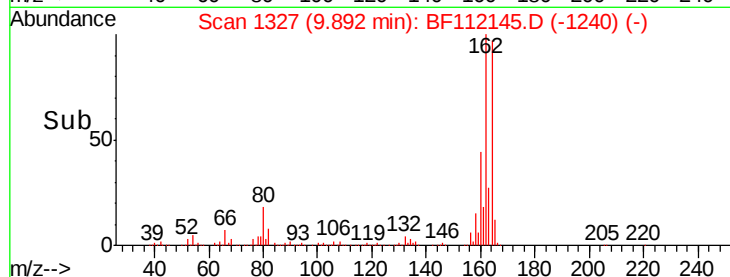
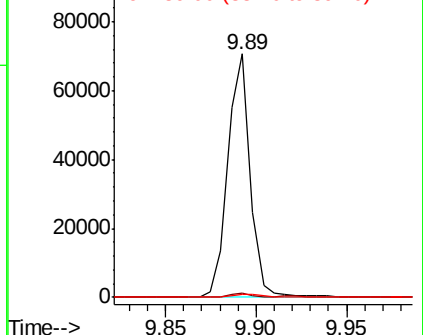
89 1.3 36.9 55.3#



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

4-Nitrophenol

Concen: 5.840 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.07 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

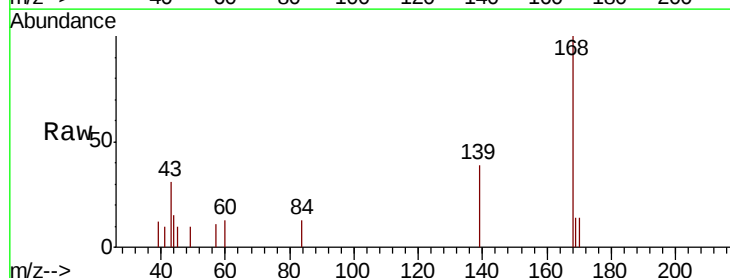
Tgt Ion:139 Resp: 1079

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

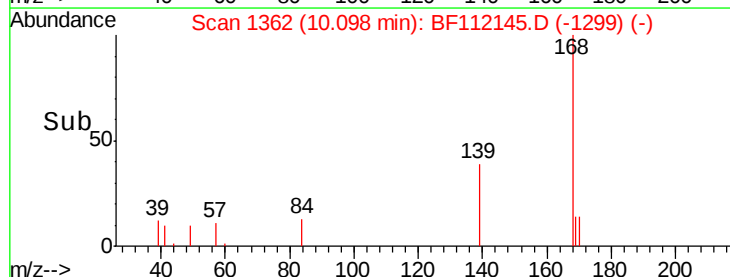
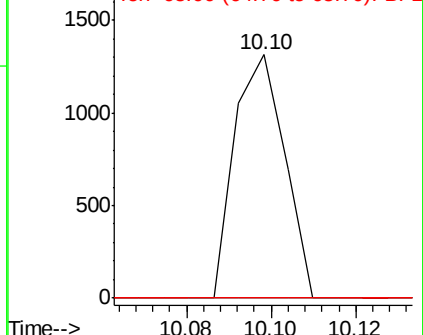
65 0.0 66.1 106.1#

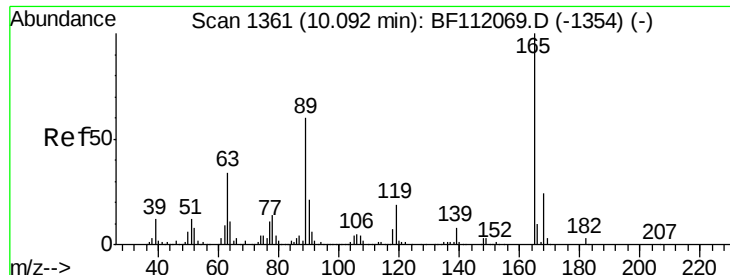


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

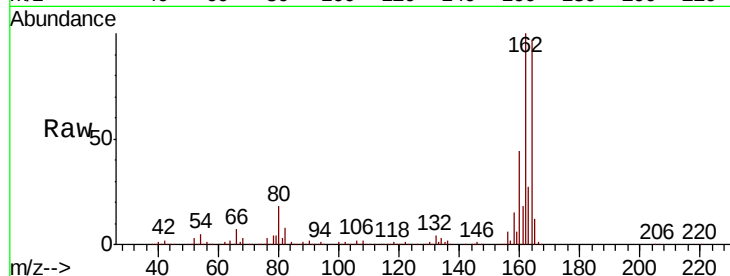




#57
 2,4-Dinitrotoluene
 Concen: 10.919 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF112145.D
 Acq: 19 Jan 2019 00:40

Instrument :
 BNA_F
 ClientSampleId :
 RT3422

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	27.9	41.9#
89	1.3	47.9	71.9#
182	0.0	2.2	3.4#



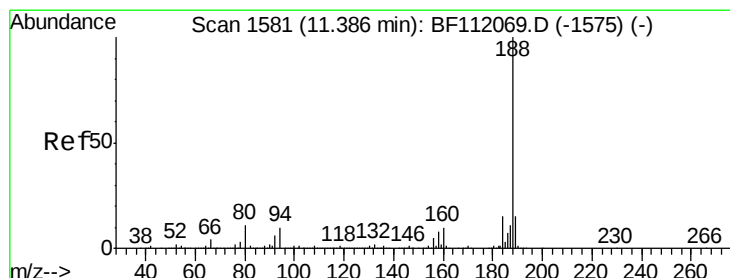
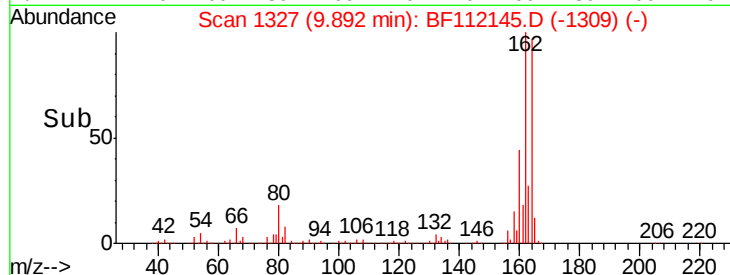
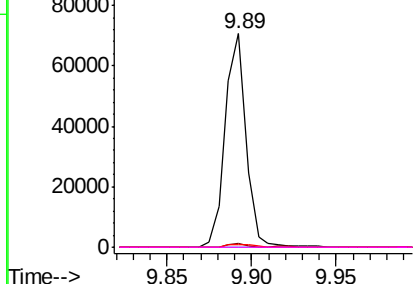
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

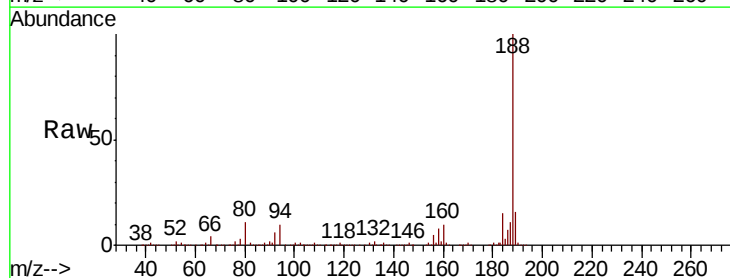
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF112145.D
 Acq: 19 Jan 2019 00:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.8	8.9	13.3

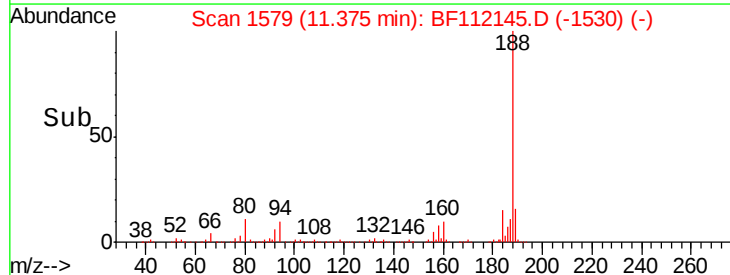
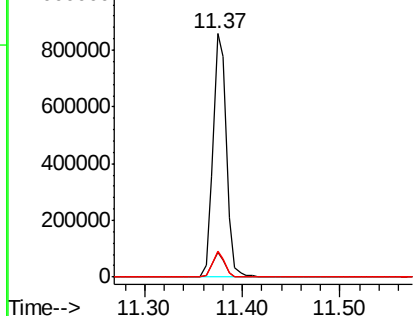


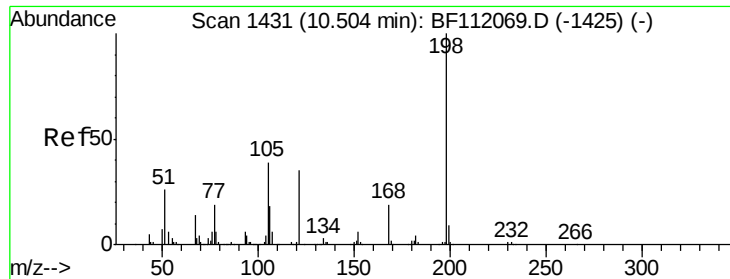
Abundance

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: 10.374 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

Instrument :

BNA_F

ClientSampleId :

RT3422

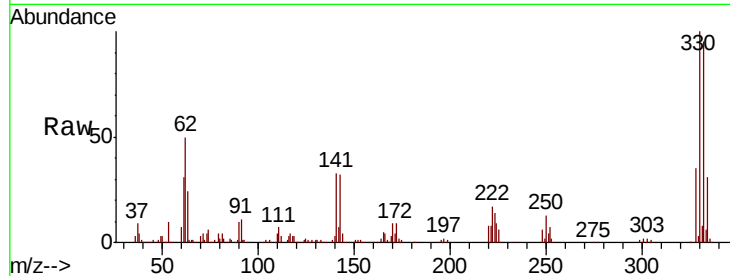
Tgt Ion:198 Resp: 1322

Ion Ratio Lower Upper

198 100

51 126.4 17.2 57.2#

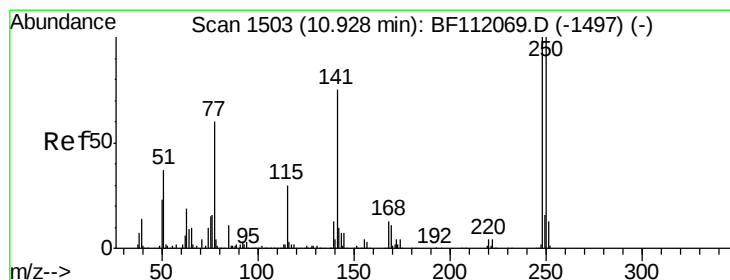
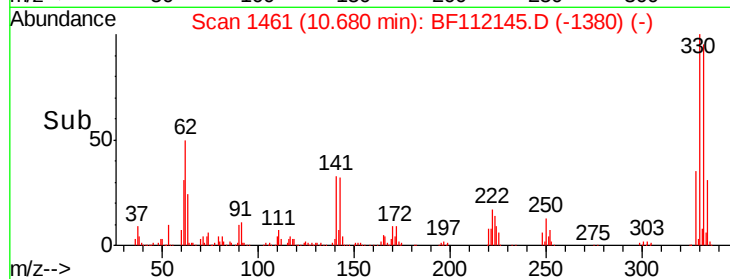
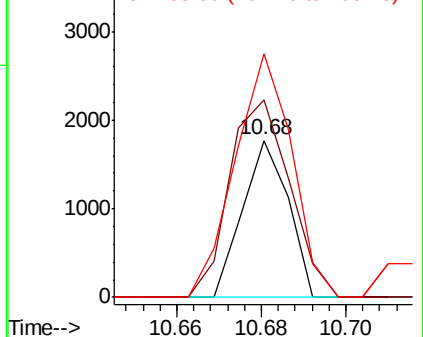
105 155.4 21.9 61.9#



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: 3.883 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.25 min

Lab File: BF112145.D

Acq: 19 Jan 2019 00:40

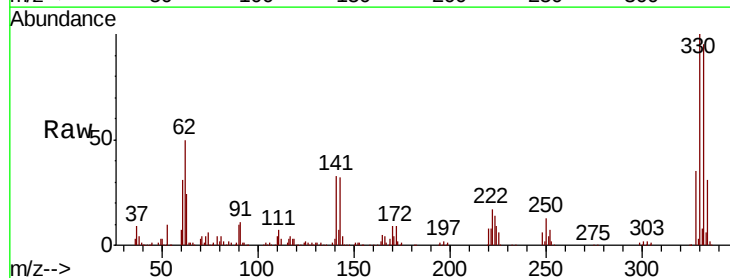
Tgt Ion:248 Resp: 37068

Ion Ratio Lower Upper

248 100

250 202.9 79.7 119.5#

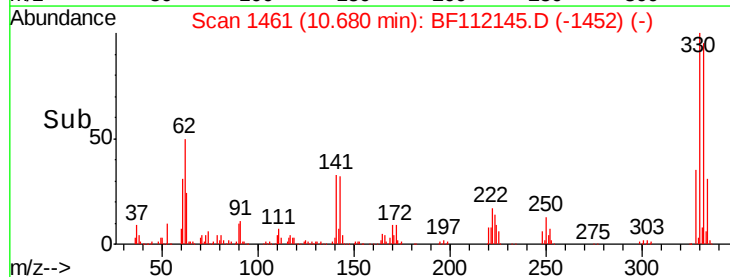
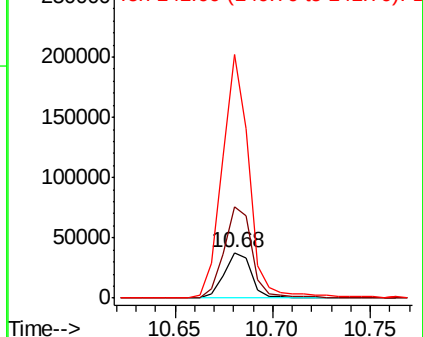
141 538.3 60.3 90.5#

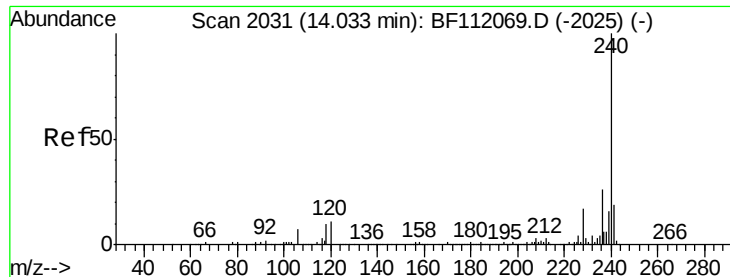


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

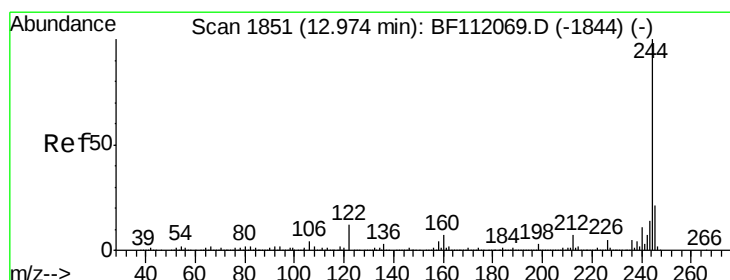
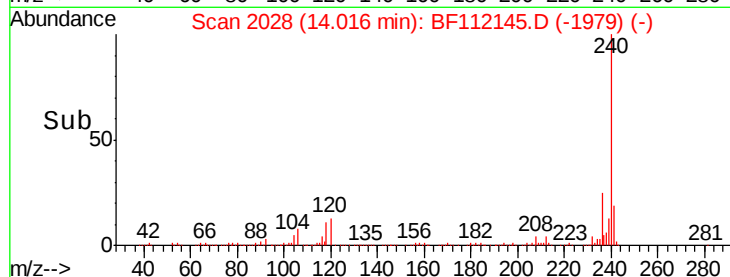
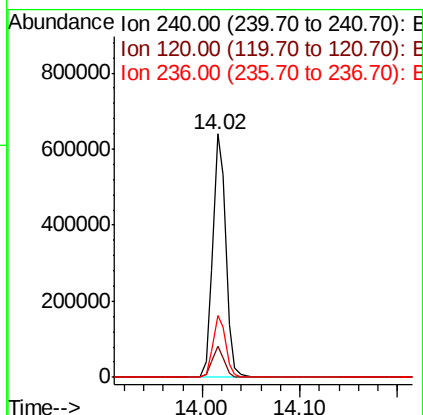
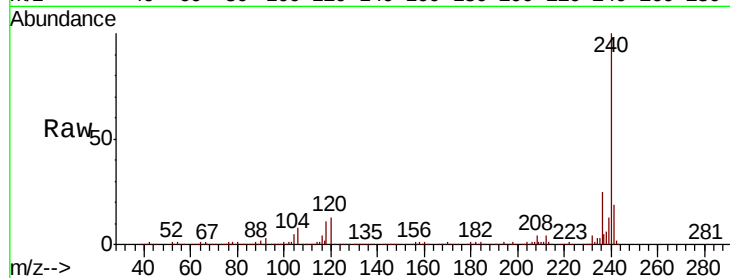




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112145.D
Acq: 19 Jan 2019 00:40

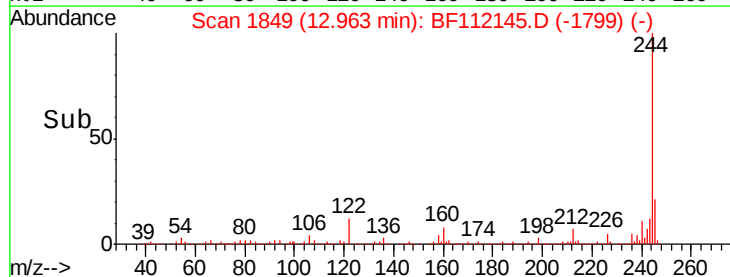
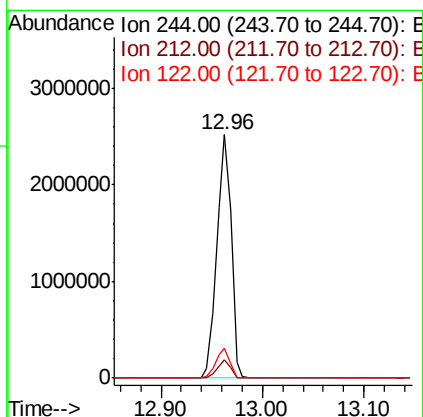
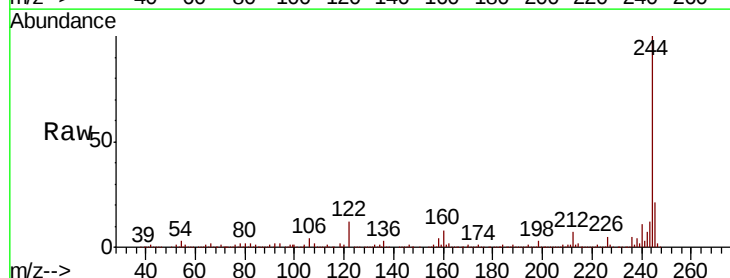
Instrument :
BNA_F
ClientSampleId :
RT3422

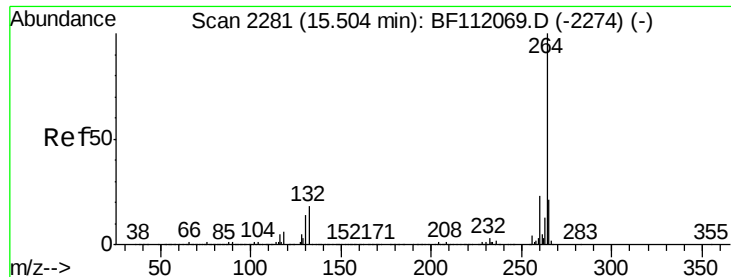
Tgt Ion:240 Resp: 594012
Ion Ratio Lower Upper
240 100
120 12.6 9.0 13.6
236 25.4 20.7 31.1



#79
Terphenyl-d14
Concen: 88.803 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112145.D
Acq: 19 Jan 2019 00:40

Tgt Ion:244 Resp: 2479585
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 12.3 9.8 14.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112145.D
Acq: 19 Jan 2019 00:40

Instrument :
BNA_F
ClientSampleId :
RT3422

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.2
265	21.4	17.0	25.4

