

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011819\
 Data File : BF112128.D
 Acq On : 18 Jan 2019 17:00
 Operator : JU/SJ
 Sample : K1173-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Quant Time: Jan 18 23:36:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 23:33:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	282687	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1074394	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	529043	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	949973	20.00	ng	0.00
76) Chrysene-d12	14.02	240	634923	20.00	ng	0.00
87) Perylene-d12	15.49	264	655577	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1859759	119.41	ng	0.00
7) Phenol-d6	6.50	99	2360001	121.11	ng	0.00
23) Nitrobenzene-d5	7.42	82	1523333	97.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	742121	130.03	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2822245	78.21	ng	0.00
79) Terphenyl-d14	12.96	244	2496899	83.66	ng	0.00

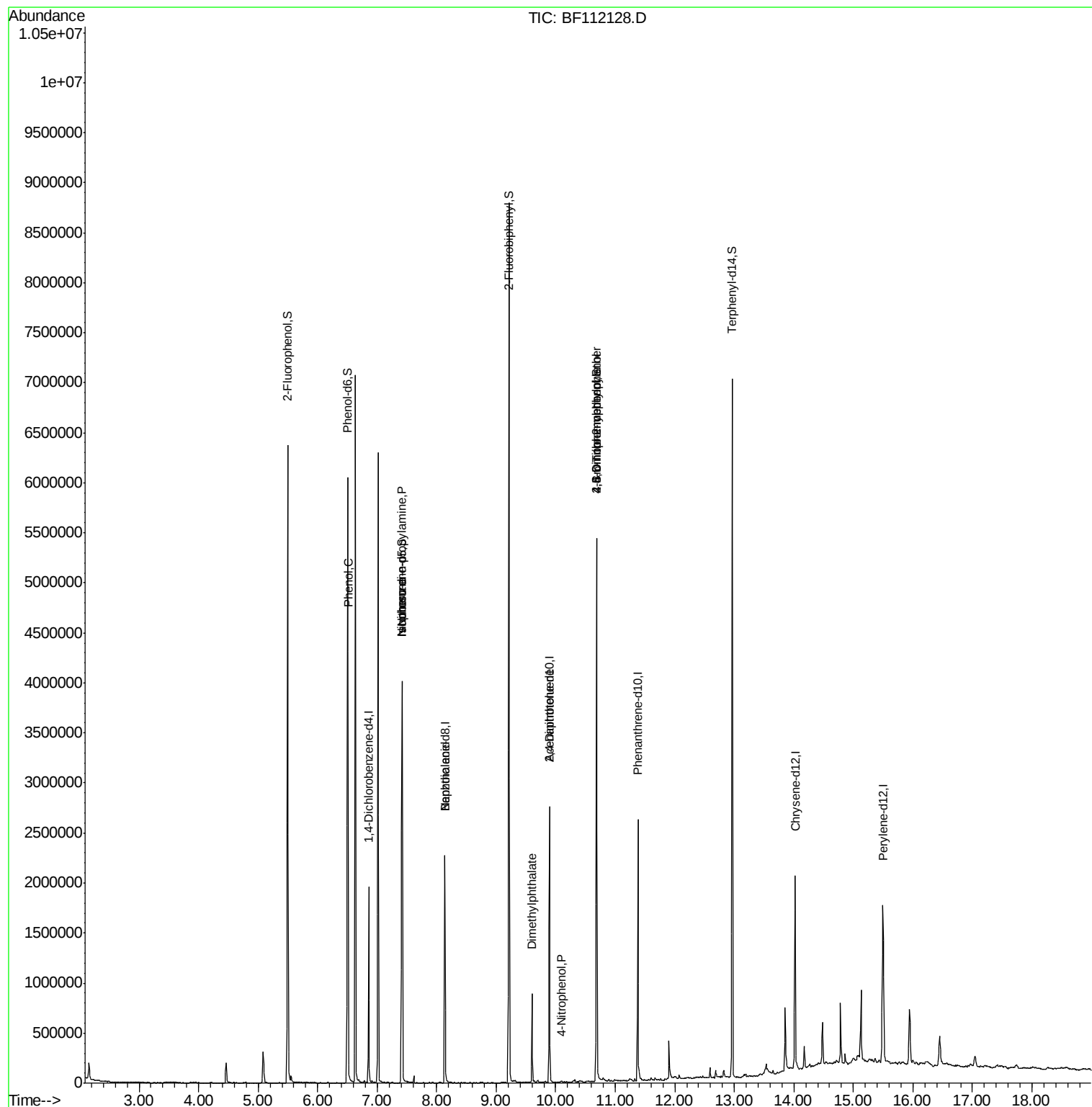
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	4354	Below Cal		# 1
10) Phenol	6.52	94	67552	3.172	ng	# 72
19) n-Nitroso-di-n-propylamine	7.42	70	205735	17.331	ng	# 78
25) Isophorone	7.42	82	1513909	50.401	ng	# 63
32) Benzoic acid	8.14	122	145	7.192	ng	# 1
50) Dimethylphthalate	9.60	163	356283	9.234	ng	98
56) 4-Nitrophenol	10.10	139	541	5.737	ng	# 12
57) 2,4-Dinitrotoluene	9.89	165	69131	10.904	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	1341	10.337	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	43954	3.983	ng	# 1

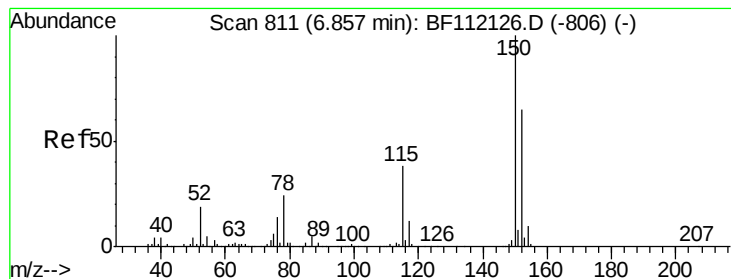
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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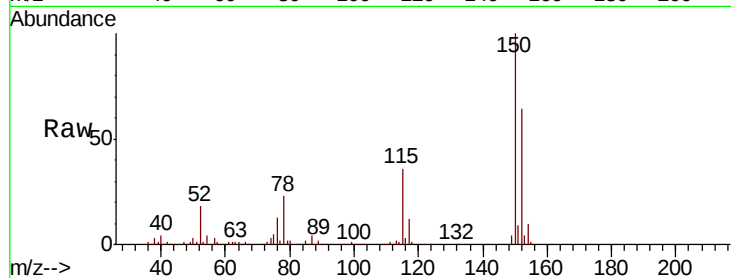


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	127.4	191.0
115	56.9	45.5	68.3

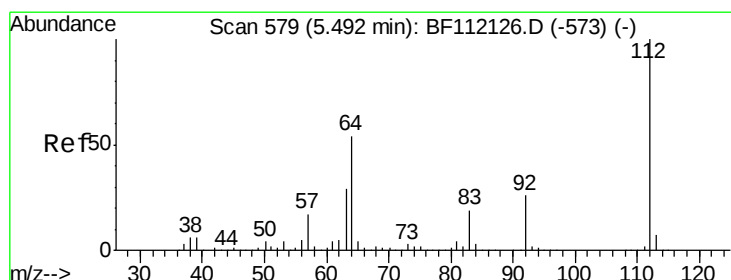
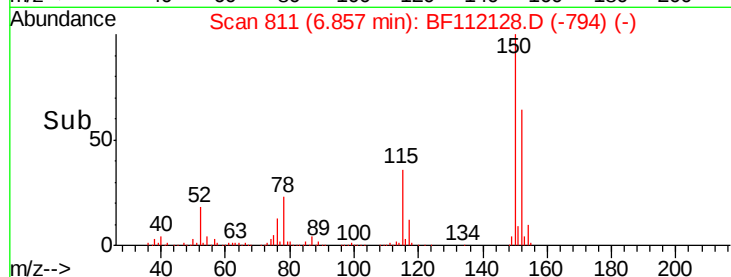
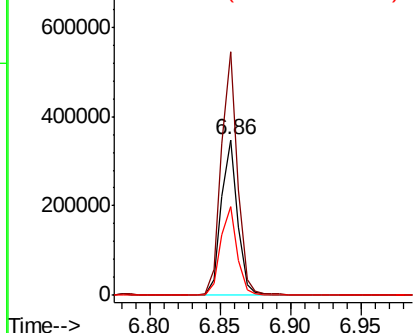


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

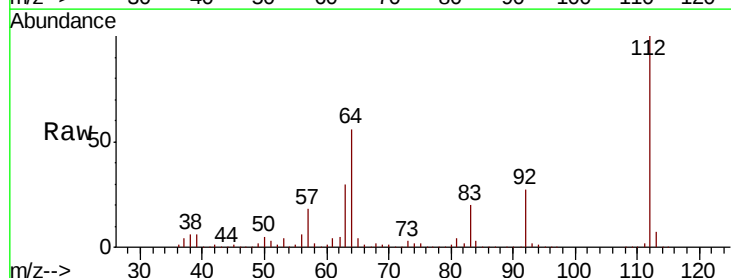
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.409 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	30.0	23.6	35.4

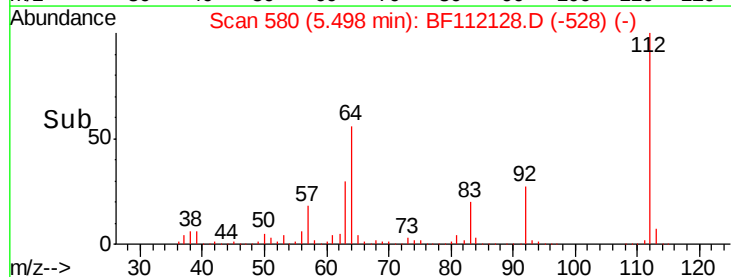
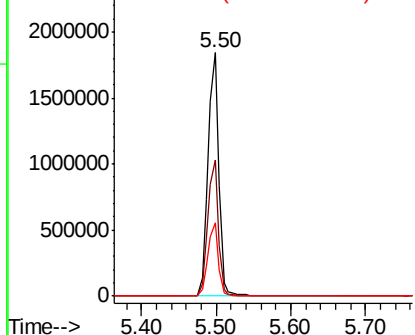


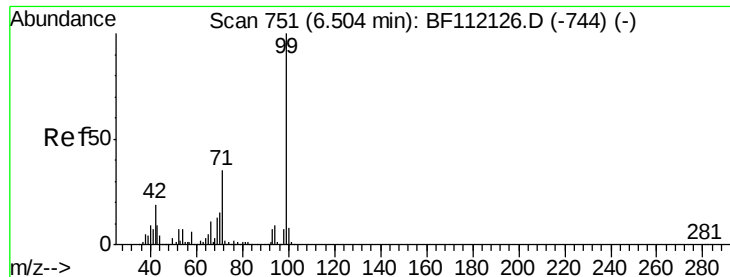
Abundance

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: 121.110 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

Instrument :

BNA_F

ClientSampleId :

RT-3425

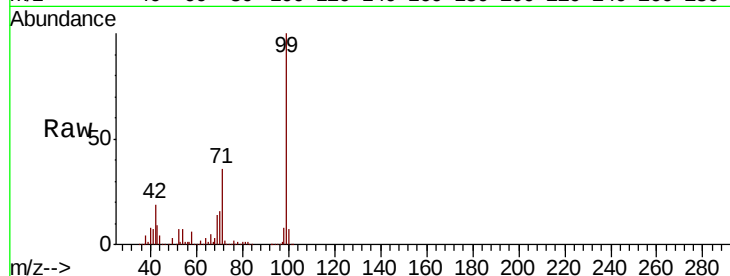
Tgt Ion: 99 Resp: 2360001

Ion Ratio Lower Upper

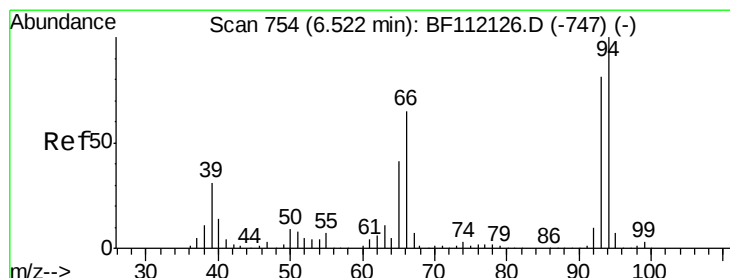
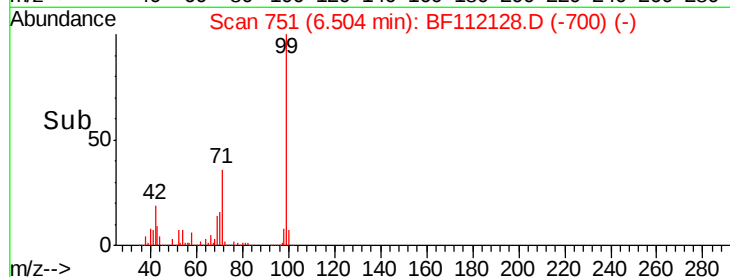
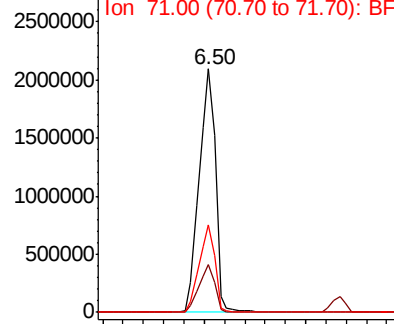
99 100

42 19.5 15.1 22.7

71 36.0 26.9 40.3



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: 3.172 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

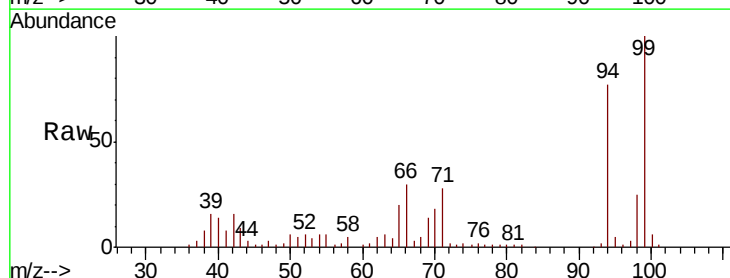
Tgt Ion: 94 Resp: 67552

Ion Ratio Lower Upper

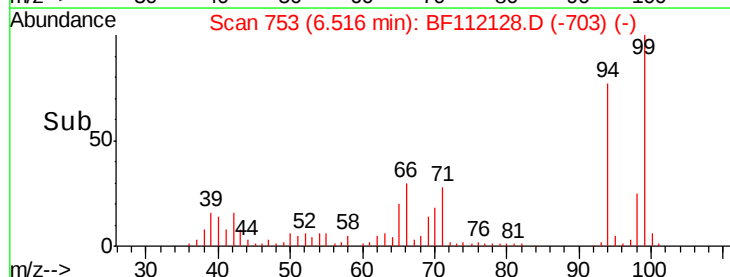
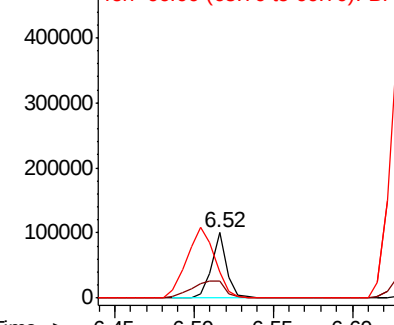
94 100

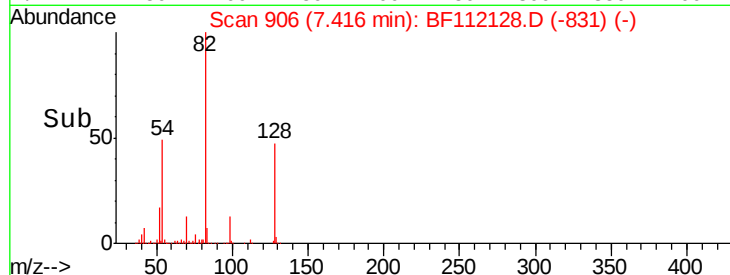
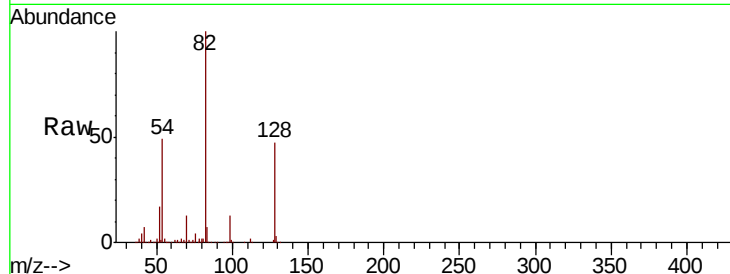
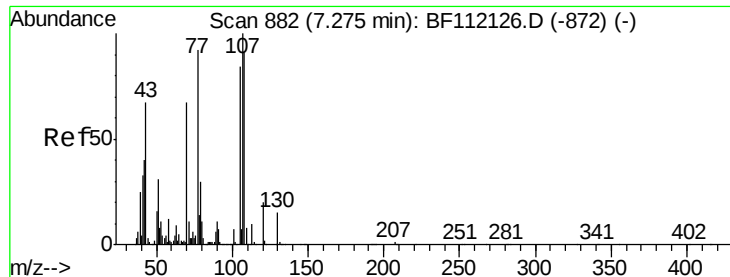
65 25.8 20.3 60.3

66 38.8 42.4 82.4#



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

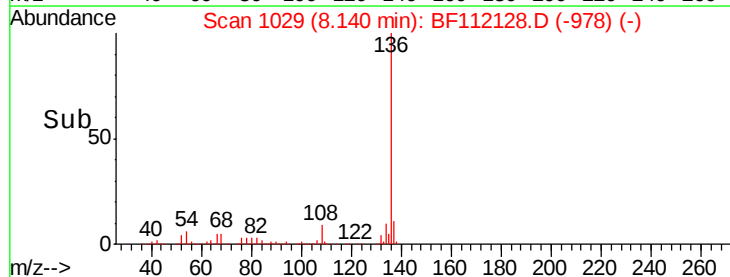
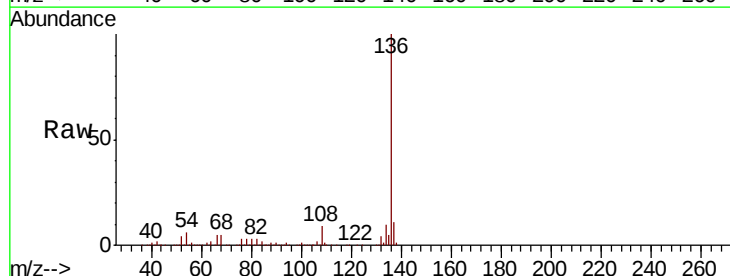
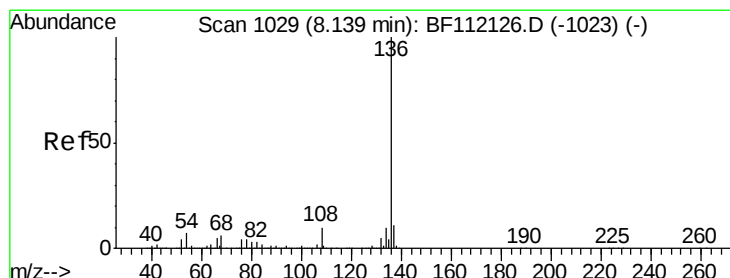
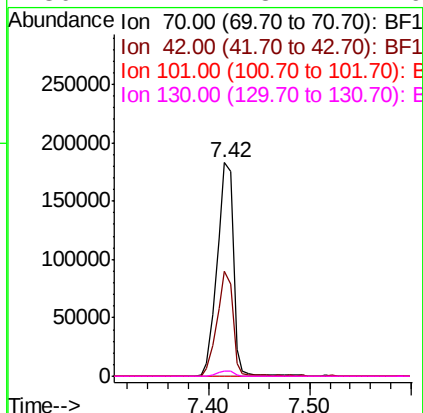




#19
n-Nitroso-di-n-propylamine
Concen: 17.331 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

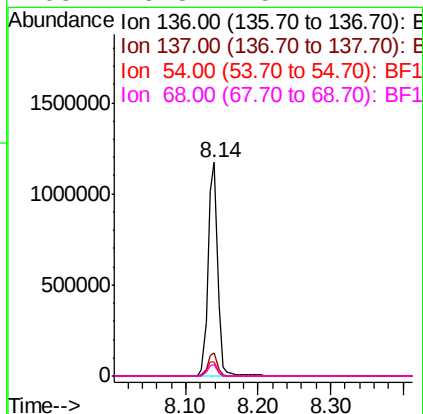
Instrument :
BNA_F
ClientSampleId :
RT-3425

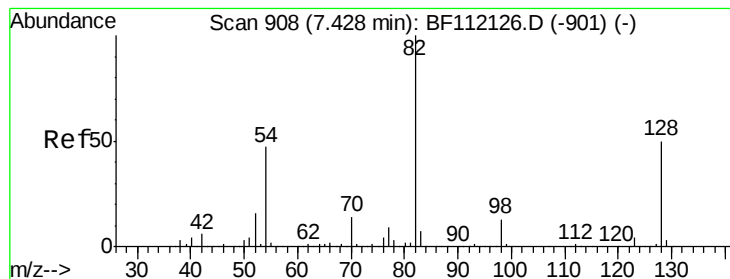
Tgt Ion:	70	Resp:	205735
Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.6	71.4
101	0.0	7.9	11.9#
130	2.4	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Tgt Ion:	136	Resp:	1074394
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.3	5.9	8.9
68	5.3	5.1	7.7





#23

Nitrobenzene-d5

Concen: 97.958 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

Instrument :

BNA_F

ClientSampleId :

RT-3425

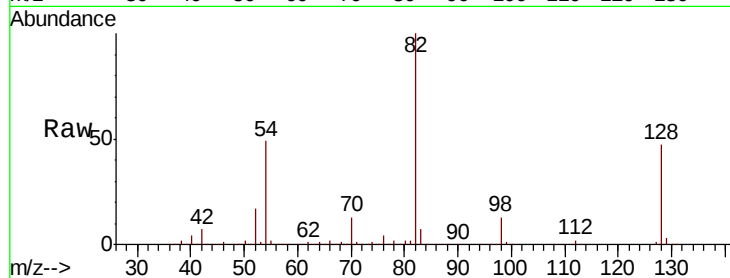
Tgt Ion: 82 Resp: 1523333

Ion Ratio Lower Upper

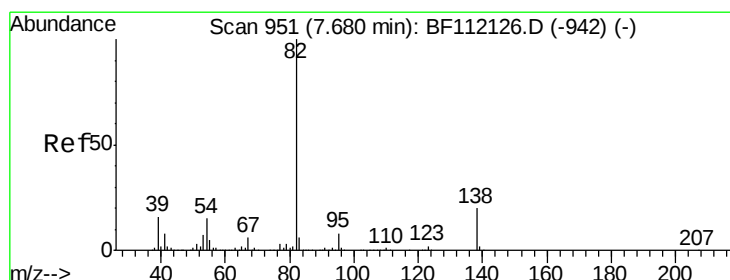
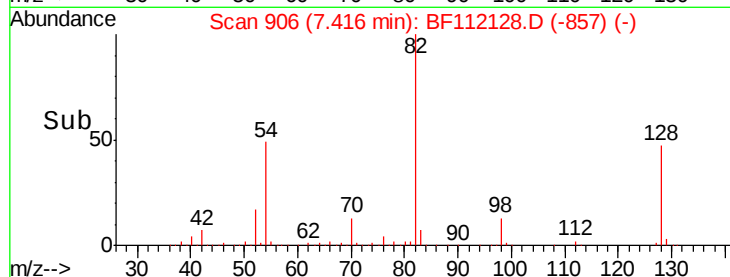
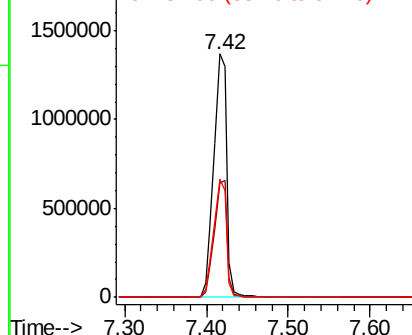
82 100

128 46.8 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): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 50.401 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

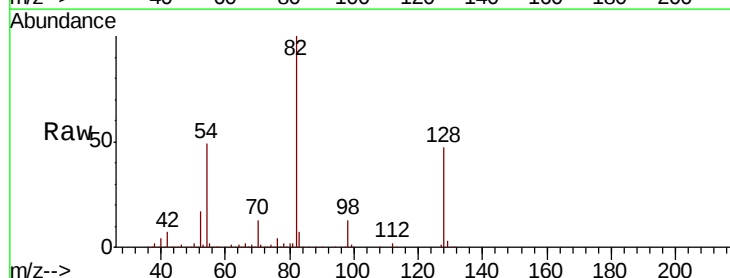
Tgt Ion: 82 Resp: 1513909

Ion Ratio Lower Upper

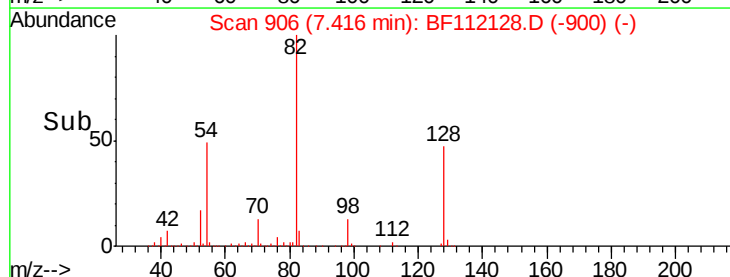
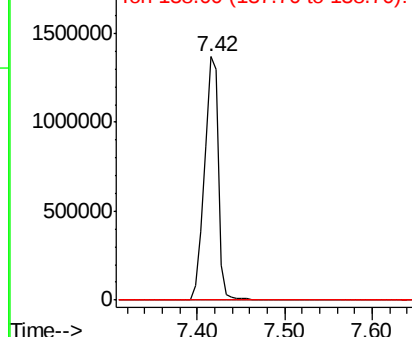
82 100

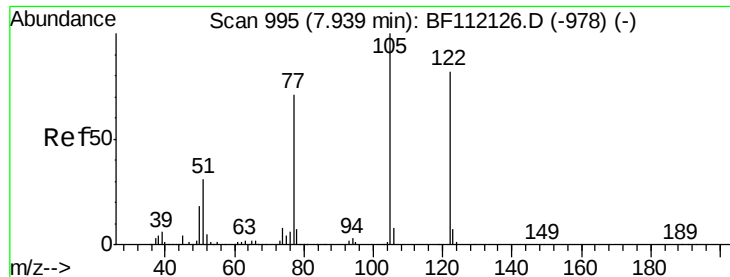
95 0.0 5.7 8.5#

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

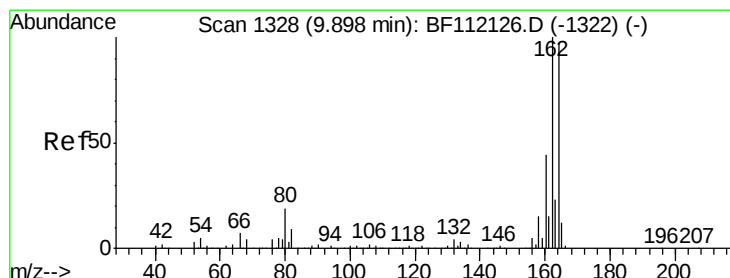
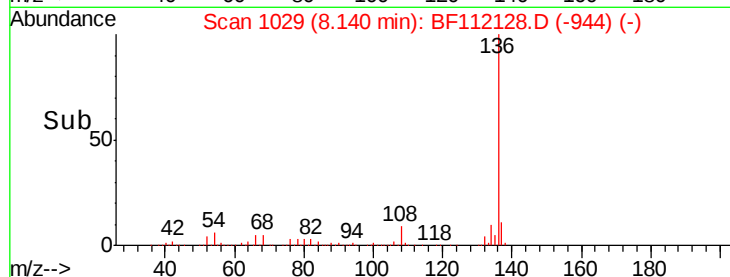
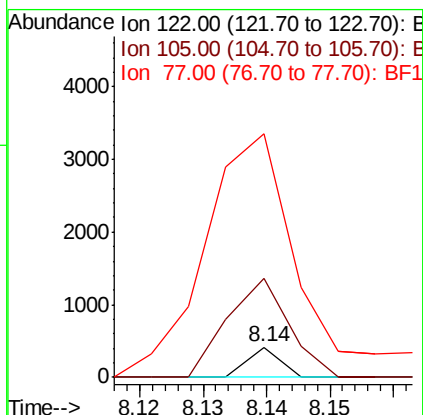
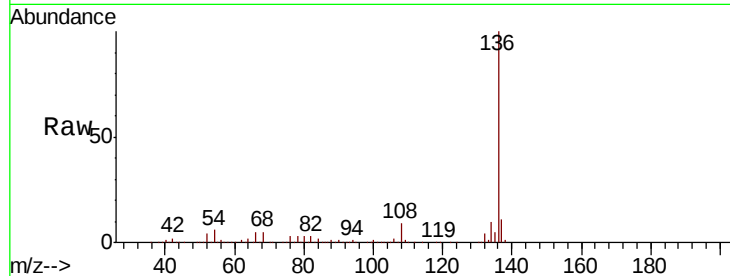




#32
Benzoic acid
Concen: 7.192 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.20 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

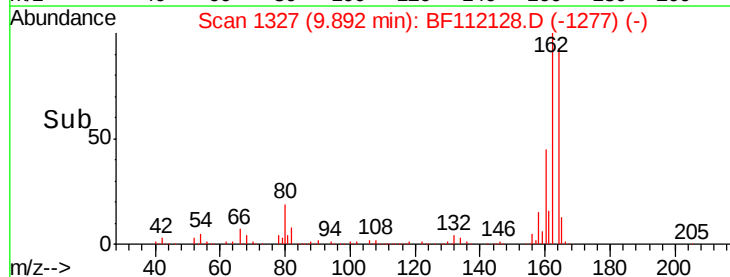
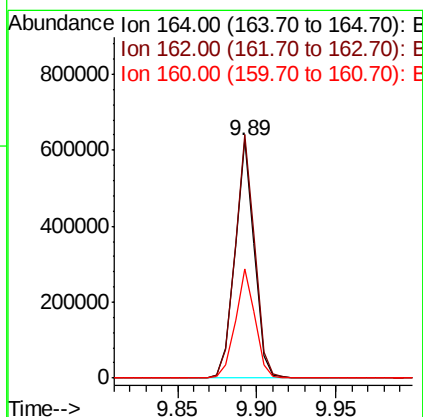
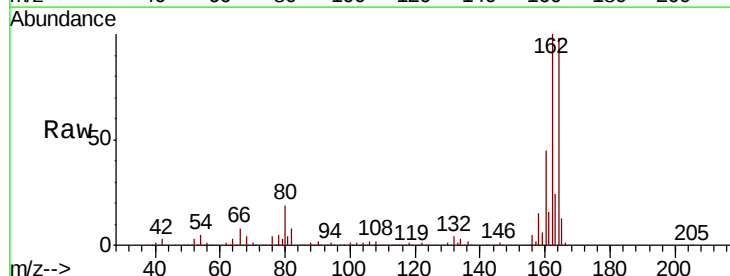
Instrument :
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RT-3425

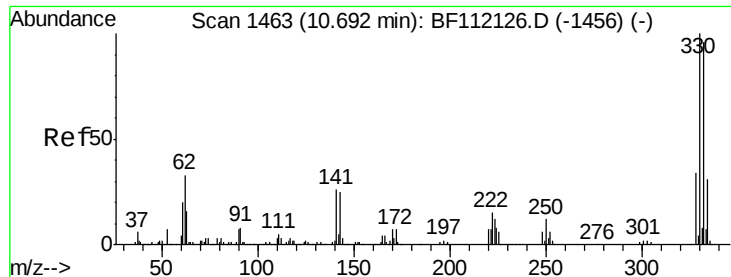
Tgt Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 333.3 101.2 141.2#
77 815.6 70.4 110.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Tgt Ion:164 Resp: 529043
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.4
160 45.8 36.2 54.4

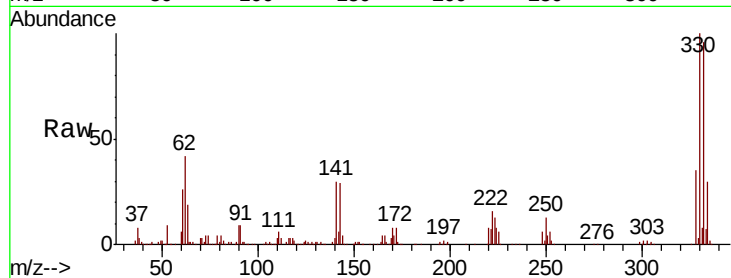




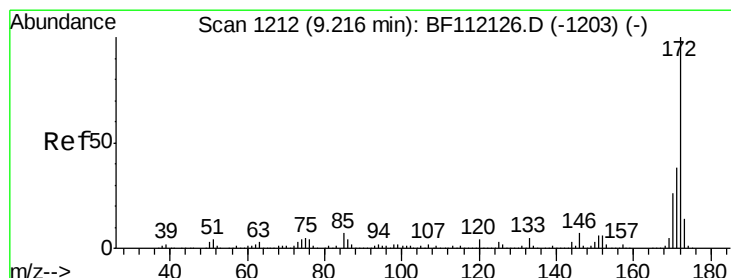
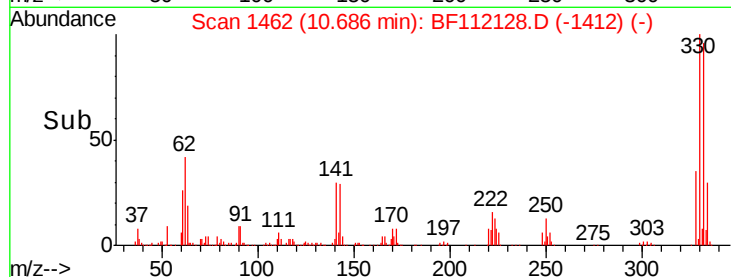
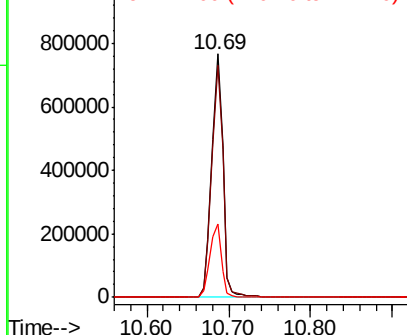
#42
 2,4,6-Tribromophenol
 Concen: 130.032 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112128.D
 Acq: 18 Jan 2019 17:00

Instrument :
 BNA_F
 ClientSampleId :
 RT-3425

Tgt Ion:330 Resp: 742121
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 30.4 24.3 36.5

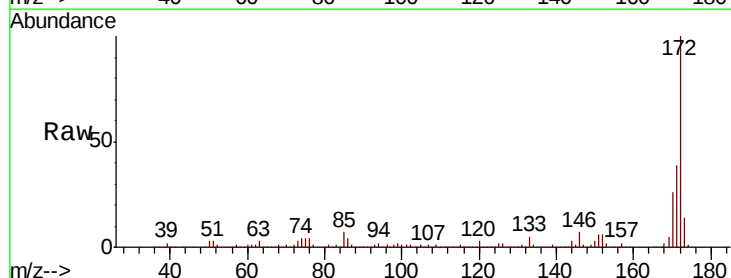


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

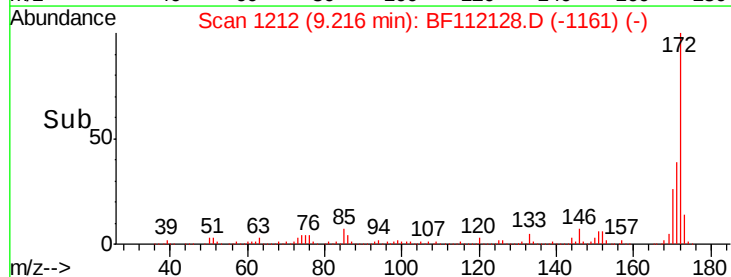
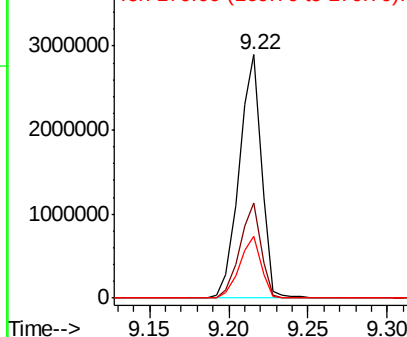


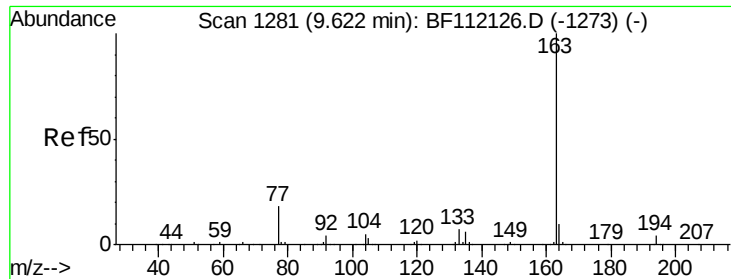
#45
 2-Fluorobiphenyl
 Concen: 78.211 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF112128.D
 Acq: 18 Jan 2019 17:00

Tgt Ion:172 Resp: 2822245
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.5 45.7
 170 25.5 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

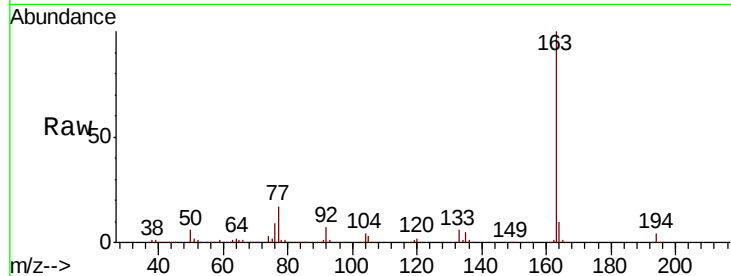




#50
Dimethylphthalate
Concen: 9.234 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.8	8.5	12.7

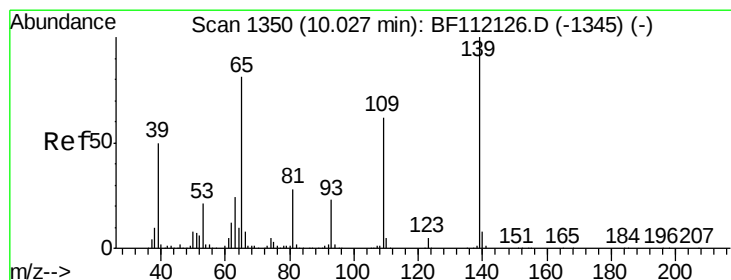
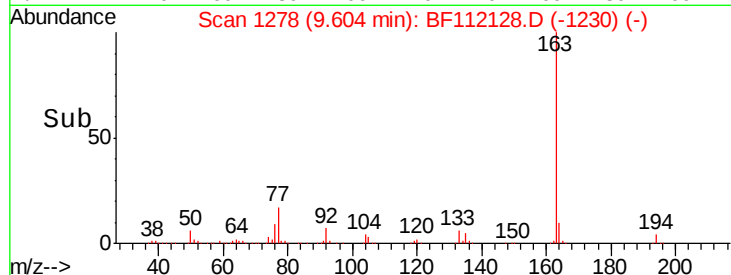
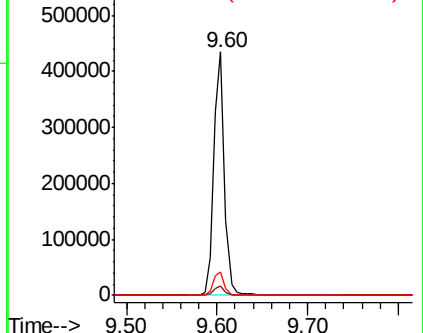


Abundance

Ion 163.00 (162.70 to 163.70): E

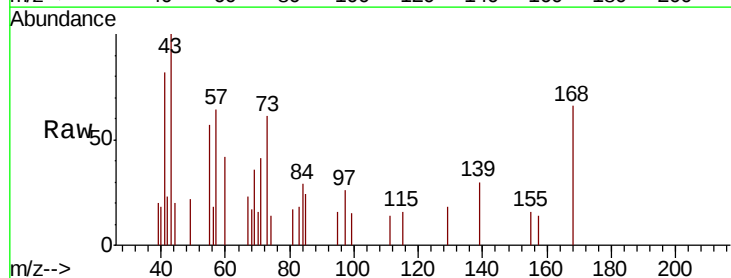
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56
4-Nitrophenol
Concen: 5.737 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.07 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	42.8	82.8#
65	0.0	66.1	106.1#

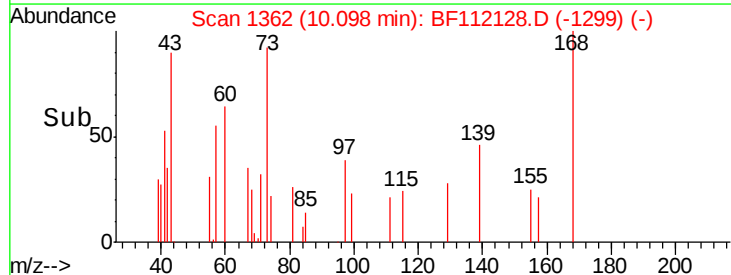
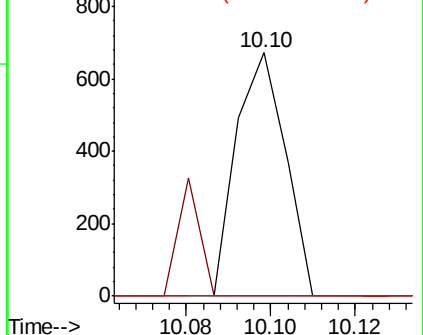


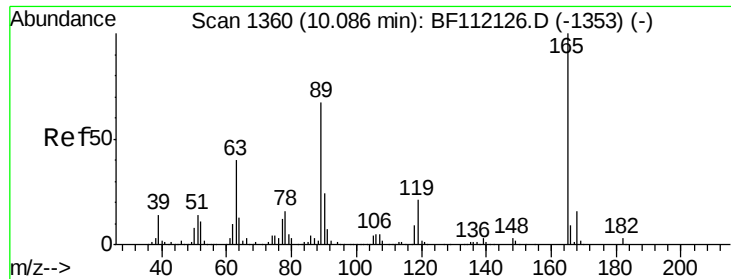
Abundance

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: 10.904 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

Instrument :

BNA_F

ClientSampleId :

RT-3425

Tgt Ion:165 Resp: 69131

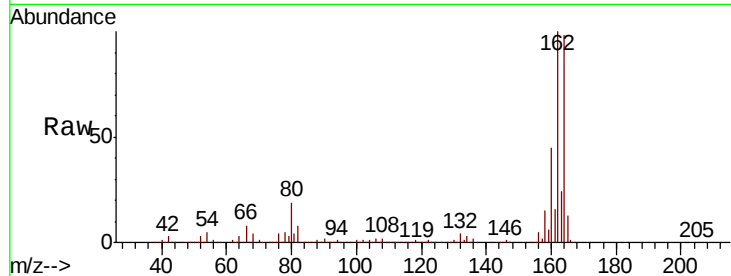
Ion Ratio Lower Upper

165 100

63 0.9 27.9 41.9#

89 1.1 47.9 71.9#

182 0.0 2.2 3.4#

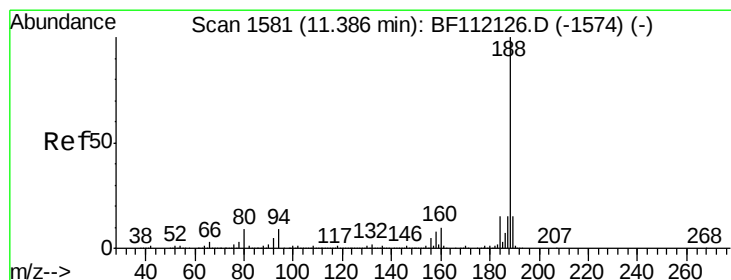
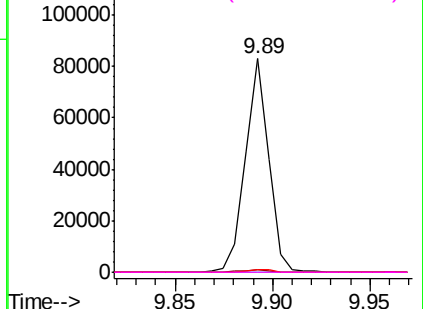
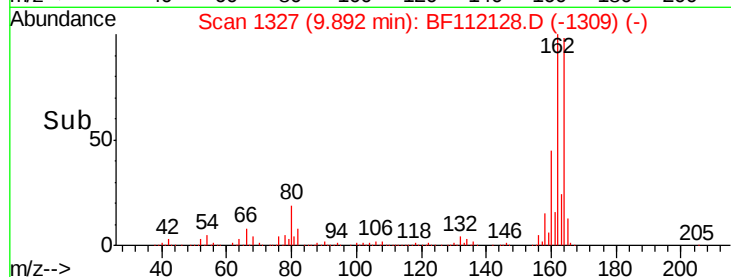


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

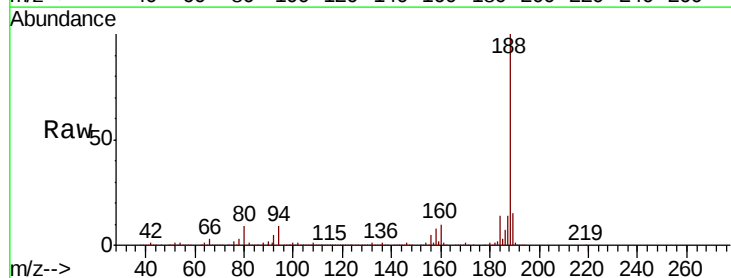
Tgt Ion:188 Resp: 949973

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

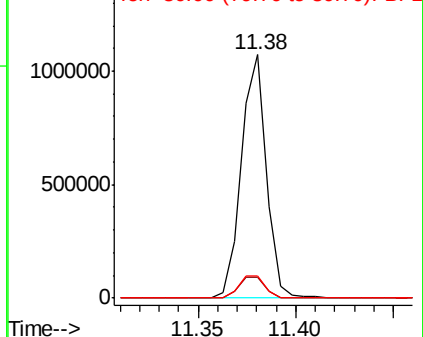
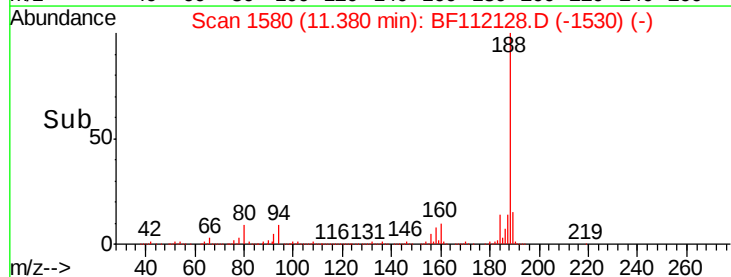
80 9.1 8.9 13.3

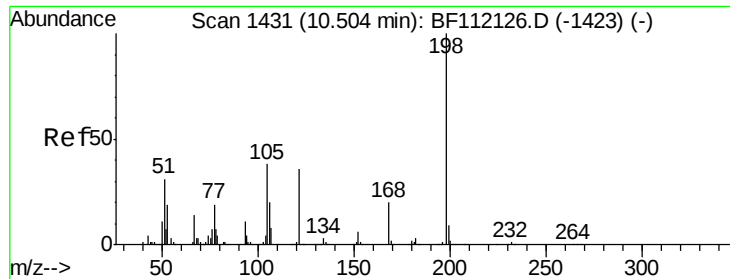


Abundance Ion 188.00 (187.70 to 188.70): E

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: 10.337 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

Instrument :

BNA_F

ClientSampleId :

RT-3425

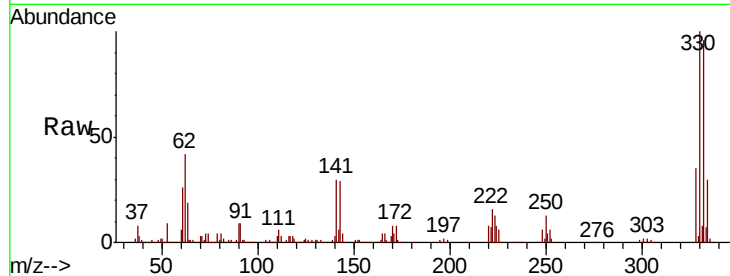
Tgt Ion:198 Resp: 1341

Ion Ratio Lower Upper

198 100

51 160.8 17.2 57.2#

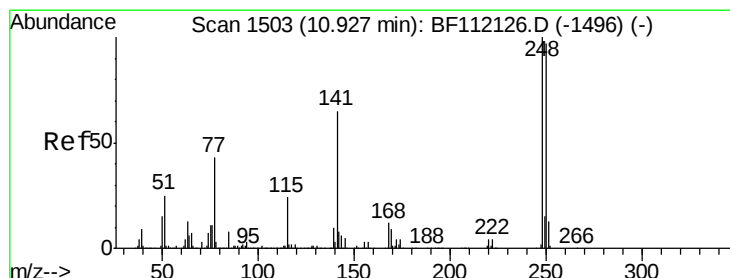
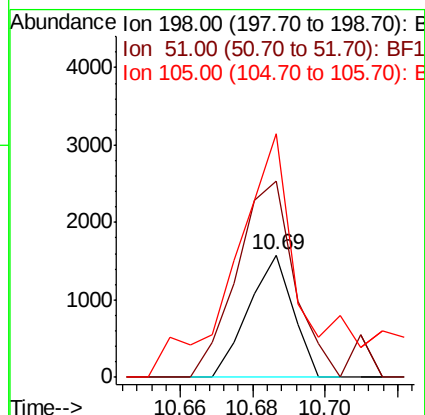
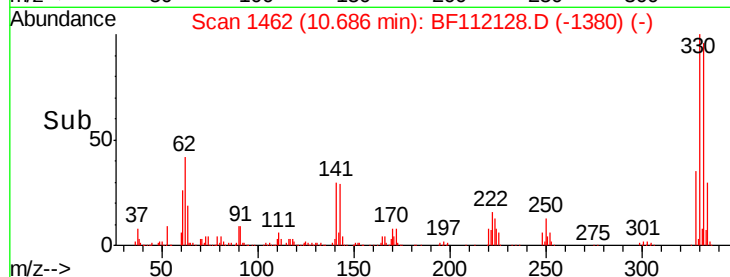
105 199.5 21.9 61.9#



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: 3.983 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF112128.D

Acq: 18 Jan 2019 17:00

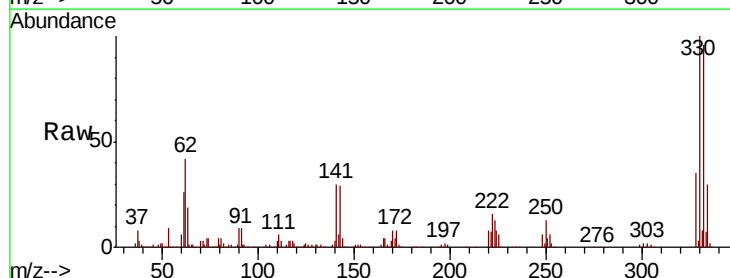
Tgt Ion:248 Resp: 43954

Ion Ratio Lower Upper

248 100

250 206.0 79.7 119.5#

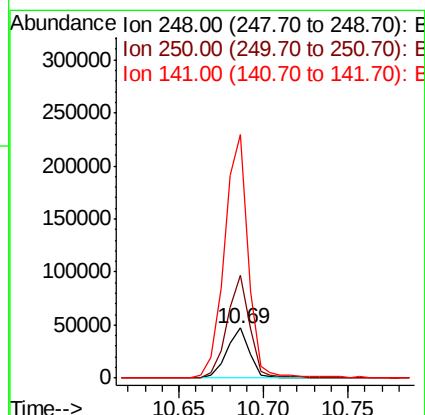
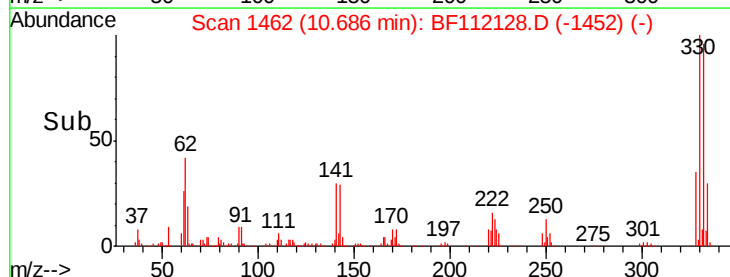
141 488.9 60.3 90.5#

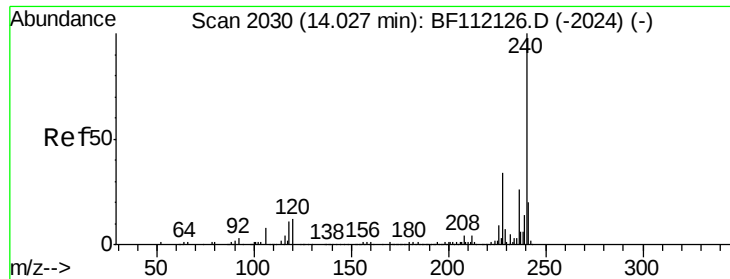


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

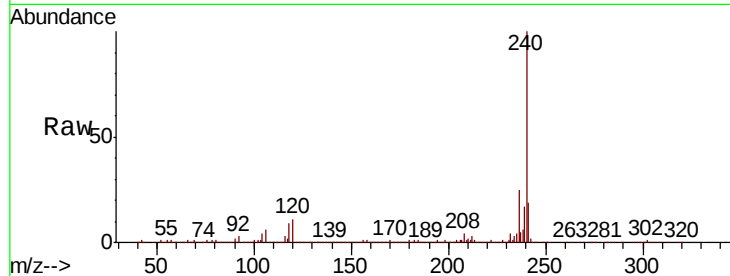




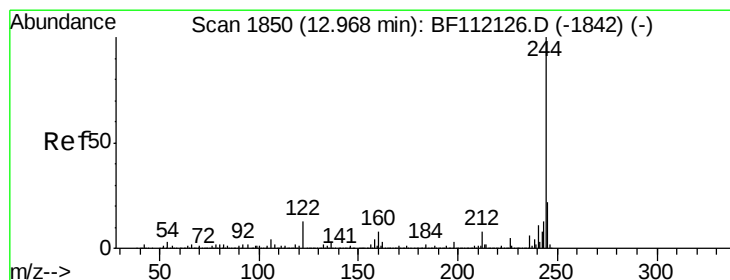
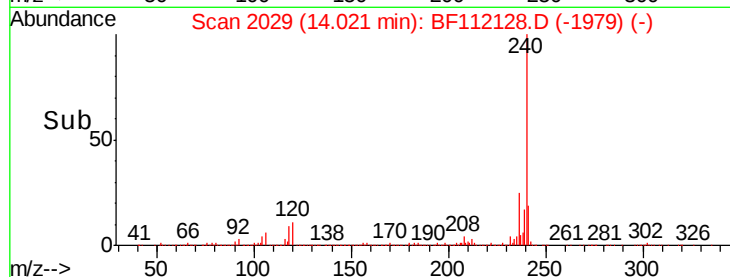
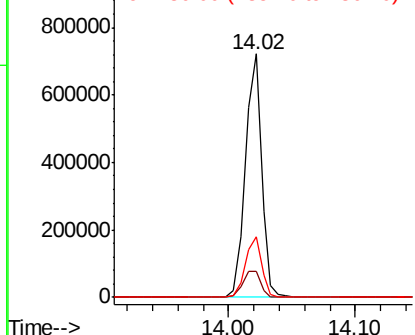
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion:240 Resp: 634923
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.6
236 25.1 20.7 31.1

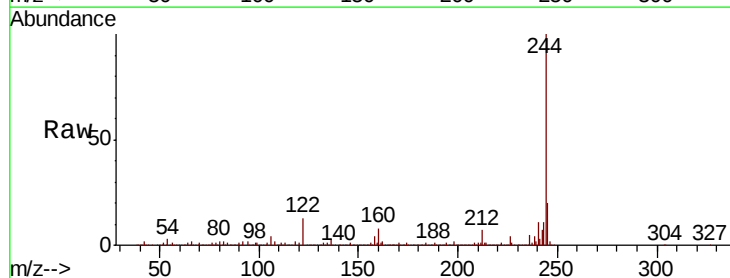


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

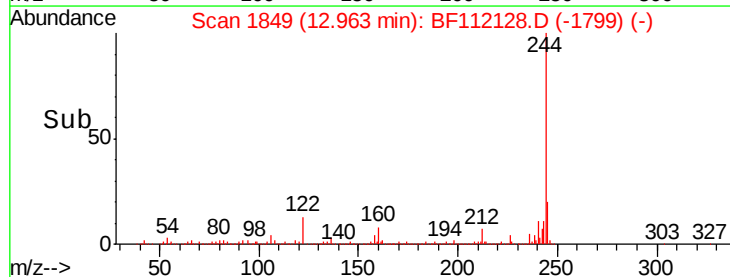
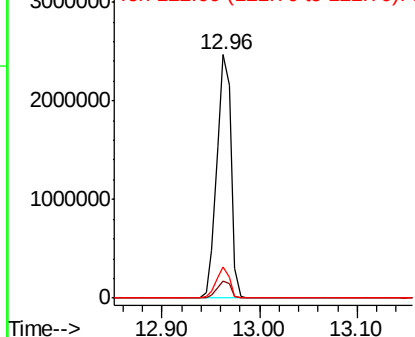


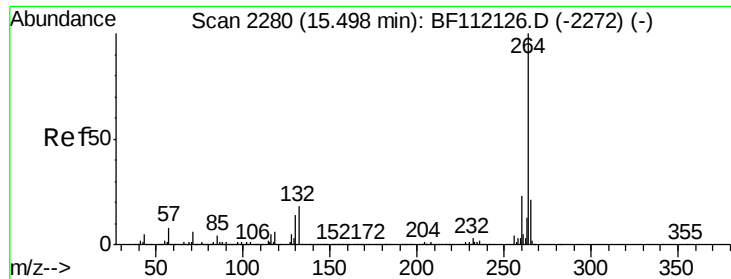
#79
Terphenyl-d14
Concen: 83.661 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Tgt Ion:244 Resp: 2496899
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.7 9.8 14.6



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: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112128.D
Acq: 18 Jan 2019 17:00

Instrument :
BNA_F
ClientSampleId :
RT-3425

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	22.7	17.0	25.4

