

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112107.D
 Acq On : 18 Jan 2019 00:13
 Operator : JU/SJ
 Sample : K1164-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-U-M

Quant Time: Jan 18 01:11:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

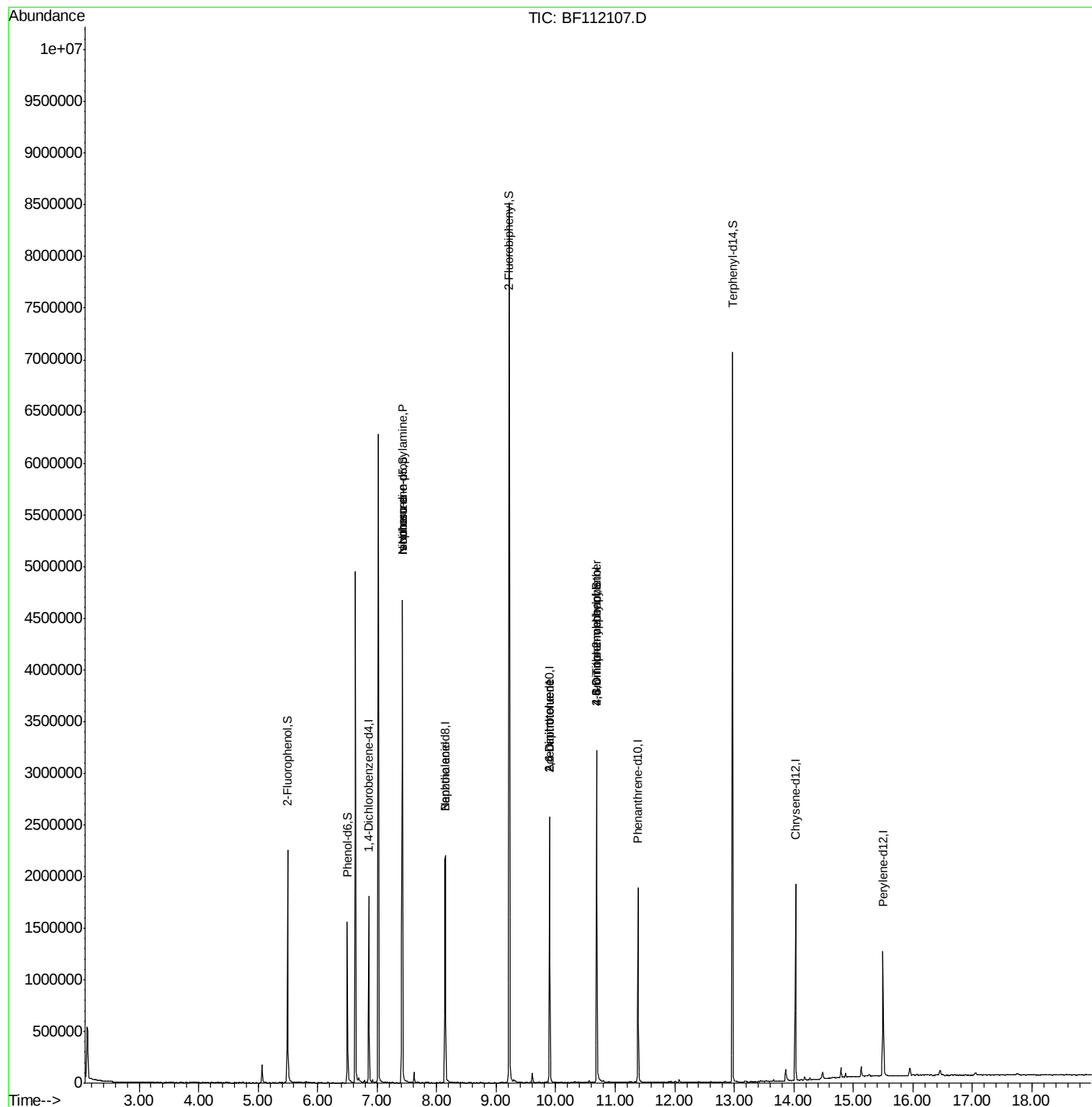
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	296014	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1069915	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	465665	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	748861	20.00	ng	0.00
76) Chrysene-d12	14.03	240	680892	20.00	ng	0.00
87) Perylene-d12	15.50	264	521737	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	637090	39.06	ng	0.00
7) Phenol-d6	6.50	99	496848	24.35	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1607948	103.83	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	398928	79.41	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2905108	91.47	ng	0.00
79) Terphenyl-d14	12.97	244	2346105	73.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	218540	17.581	ng	# 78
25) Isophorone	7.42	82	1605080	53.660	ng	# 64
32) Benzoic acid	8.15	122	249	7.211	ng	# 1
51) 2,6-Dinitrotoluene	9.90	165	61012	8.996	ng	# 34
57) 2,4-Dinitrotoluene	9.90	165	61012	10.921	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.69	198	665	10.238	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	21935	2.522	ng	# 1

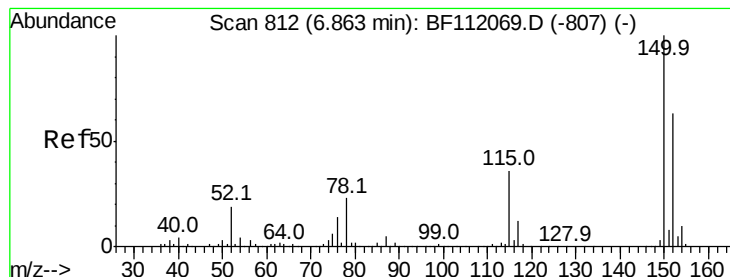
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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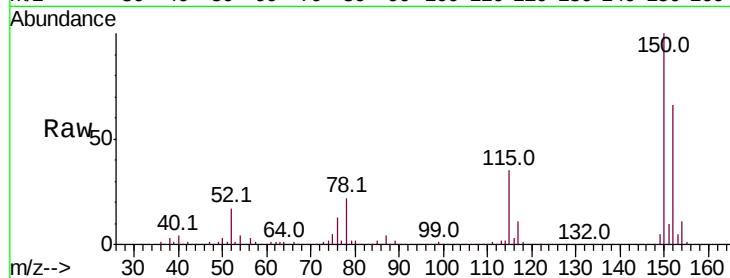


#1

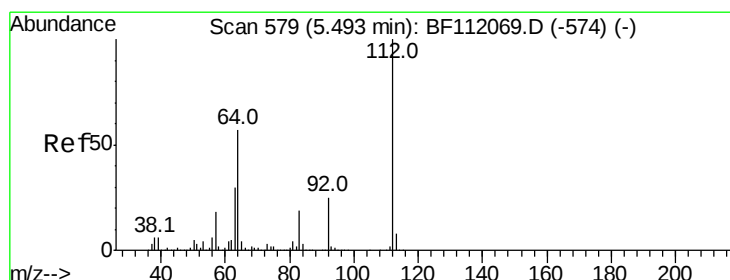
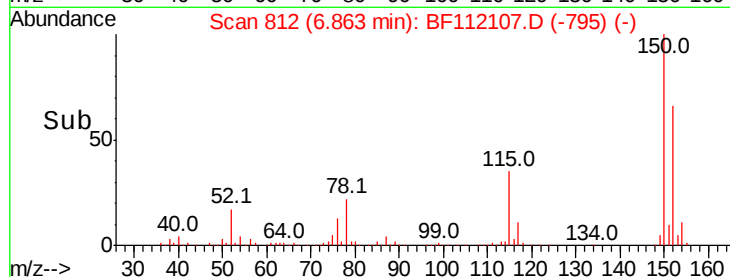
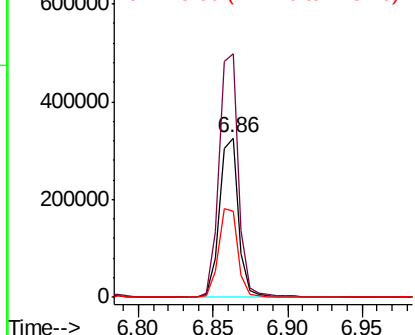
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF112107.D
Acq: 18 Jan 2019 00:13

Instrument :
BNA_F
ClientSampleId :
011519-DBRI-F-U-M

Tot Ion:152 Resp: 296014
Ion Ratio Lower Upper
152 100
150 152.4 127.4 191.0
115 54.0 45.5 68.3



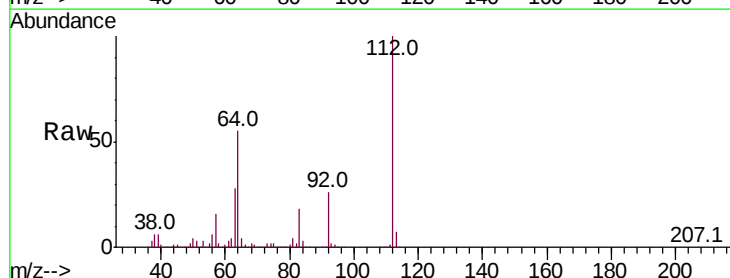
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



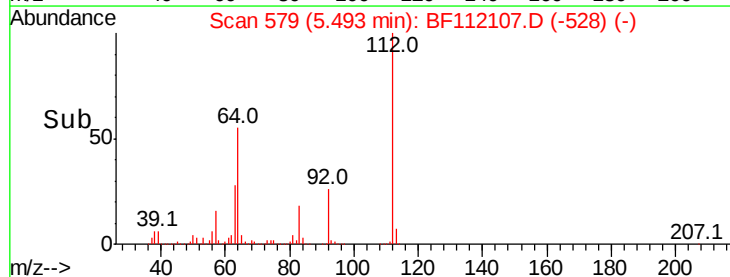
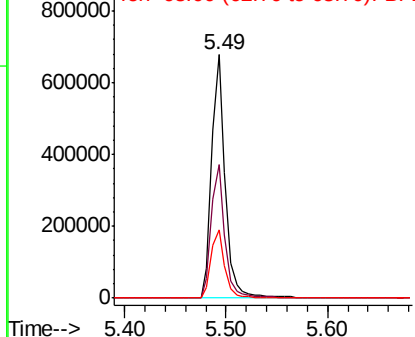
#5

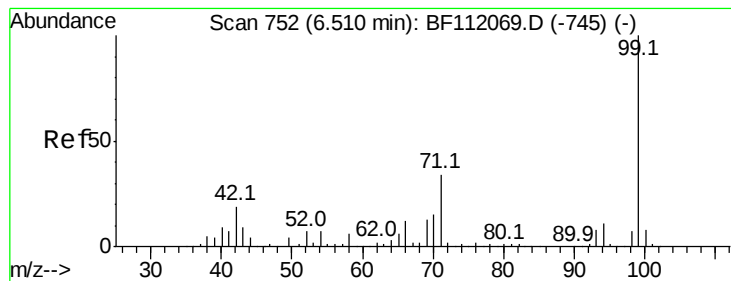
2-Fluorophenol
Concen: 39.064 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112107.D
Acq: 18 Jan 2019 00:13

Tgt Ion:112 Resp: 637090
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 28.3 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: 24.349 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-U-M

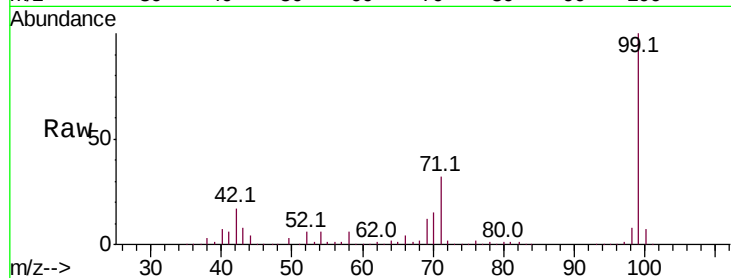
Tot Ion: 99 Resp: 496848

Ion Ratio Lower Upper

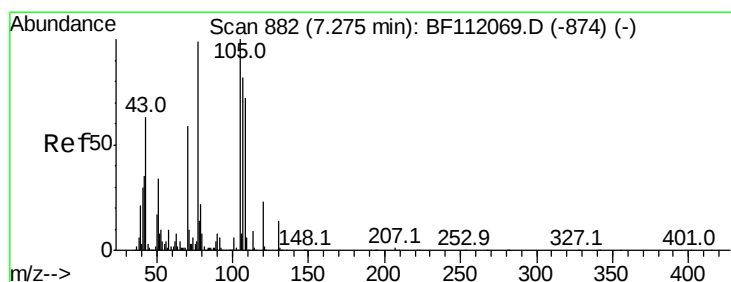
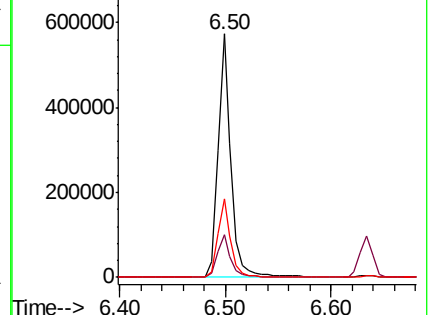
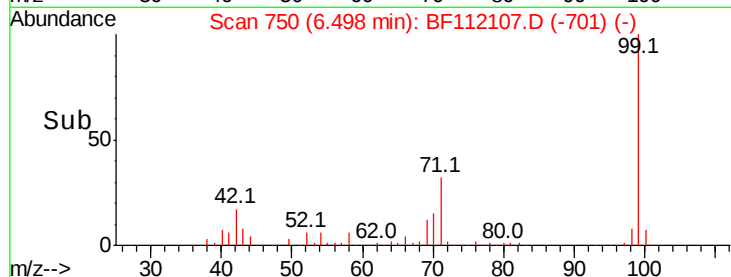
99 100

42 17.4 15.1 22.7

71 32.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.581 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

Tgt Ion: 70 Resp: 218540

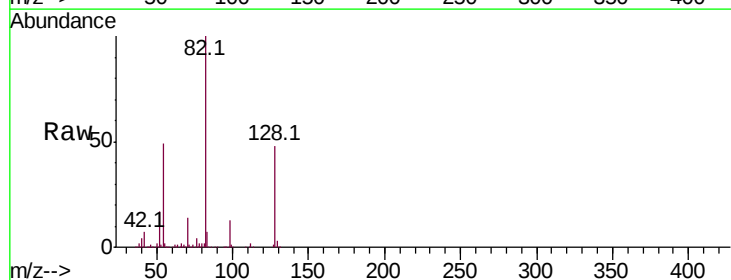
Ion Ratio Lower Upper

70 100

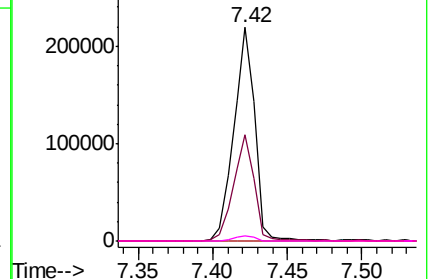
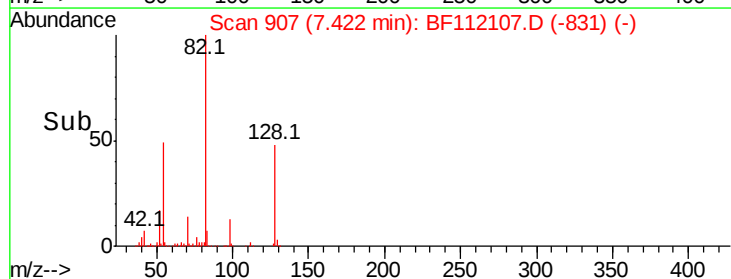
42 49.7 47.6 71.4

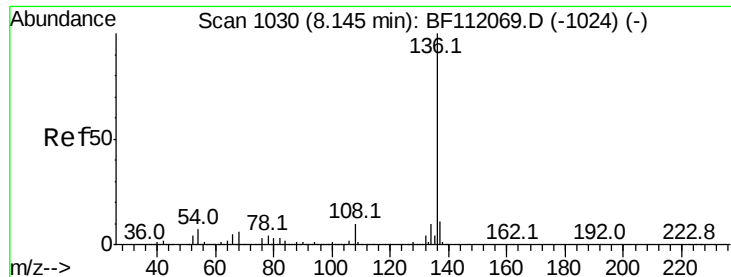
101 0.0 7.9 11.9#

130 2.4 18.4 27.6#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-U-M

Tot Ion:136 Resp: 1069915

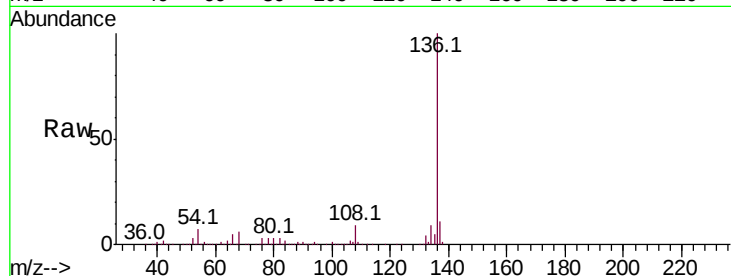
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.6 5.9 8.9

68 5.6 5.1 7.7

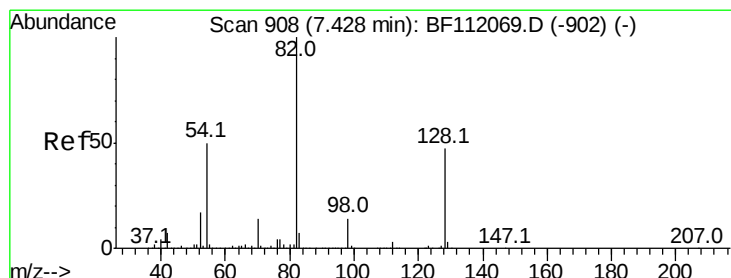
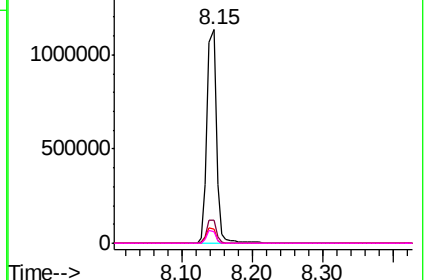
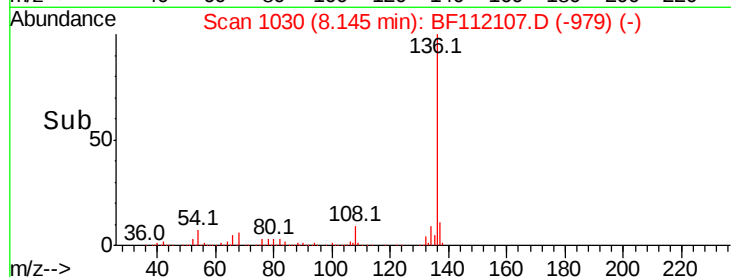


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.832 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

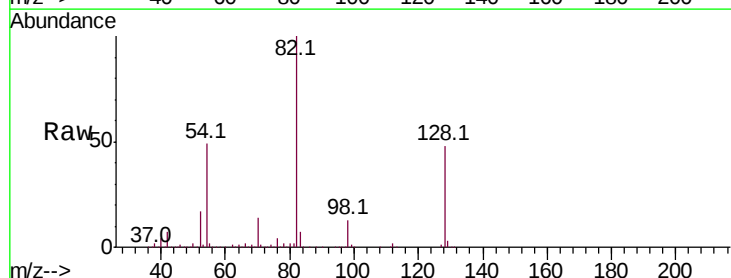
Tgt Ion: 82 Resp: 1607948

Ion Ratio Lower Upper

82 100

128 48.3 37.8 56.8

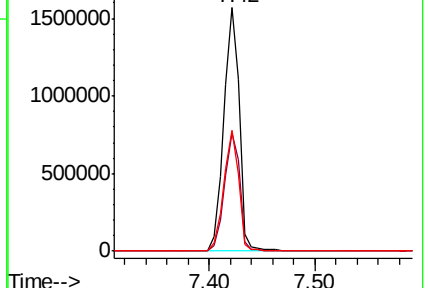
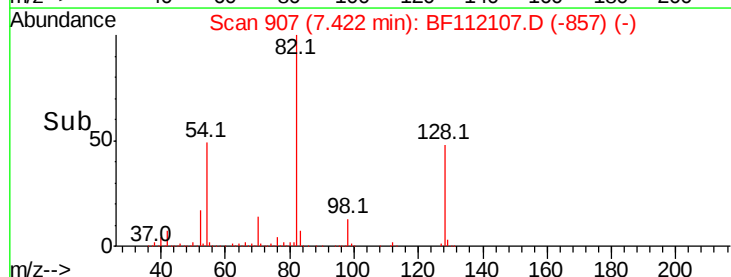
54 49.5 39.7 59.5

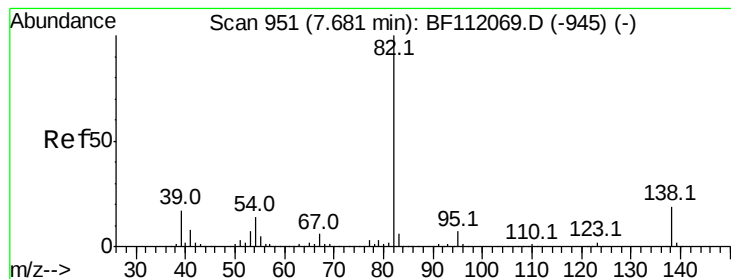


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.660 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

Instrument :

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ClientSampleId :

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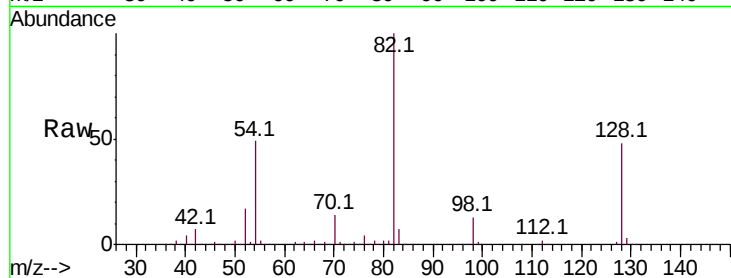
Tot Ion: 82 Resp: 1605080

Ion Ratio Lower Upper

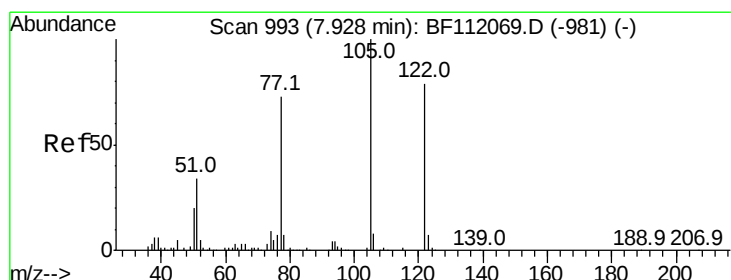
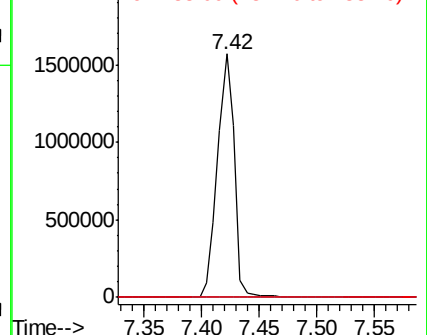
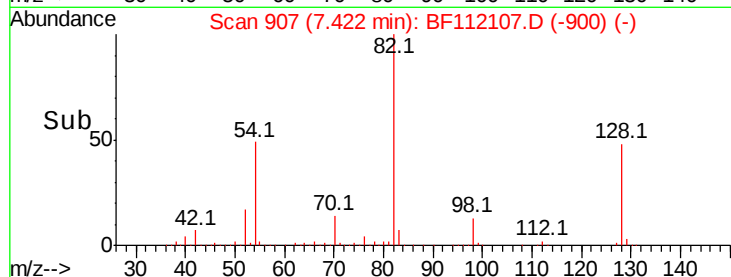
82 100

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: 7.211 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.22 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

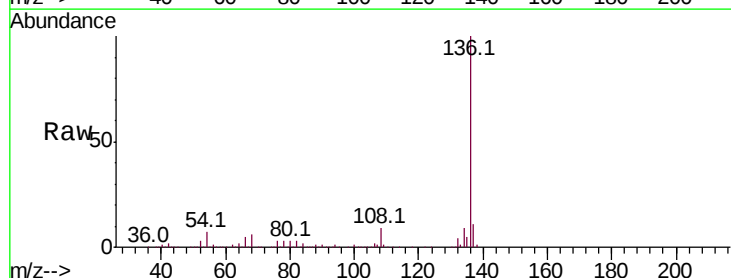
Tgt Ion:122 Resp: 249

Ion Ratio Lower Upper

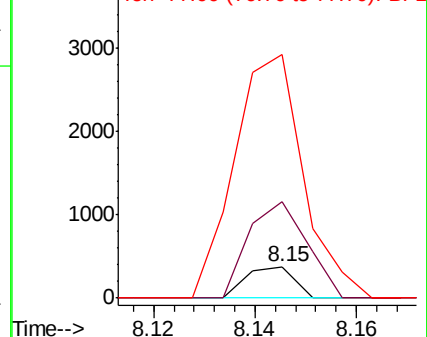
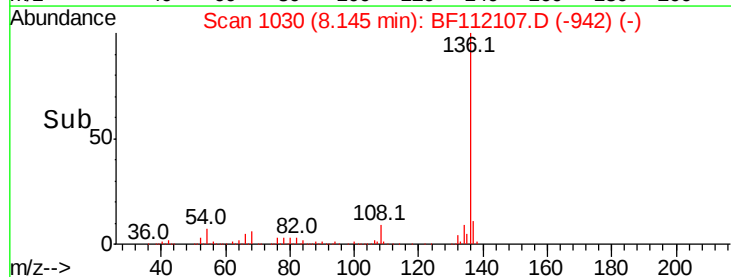
122 100

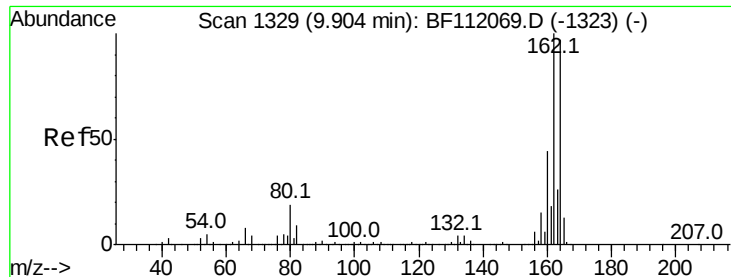
105 305.0 101.2 141.2#

77 775.1 70.4 110.4#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

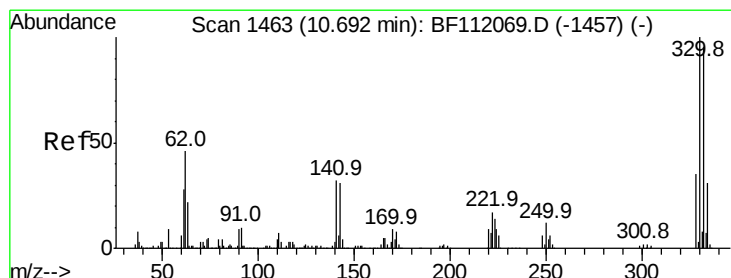
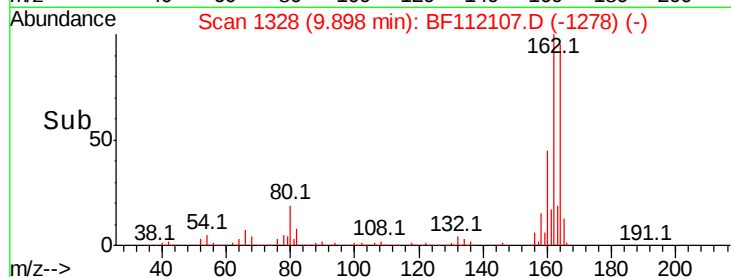
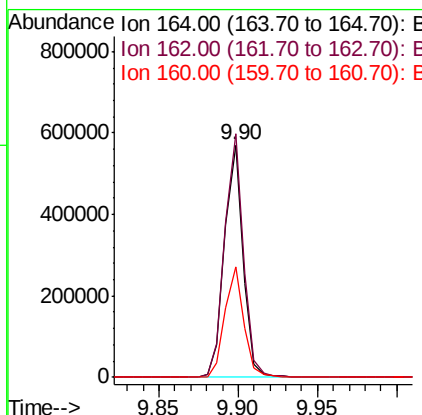
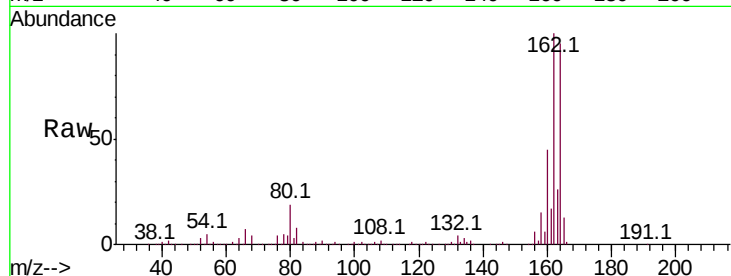




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

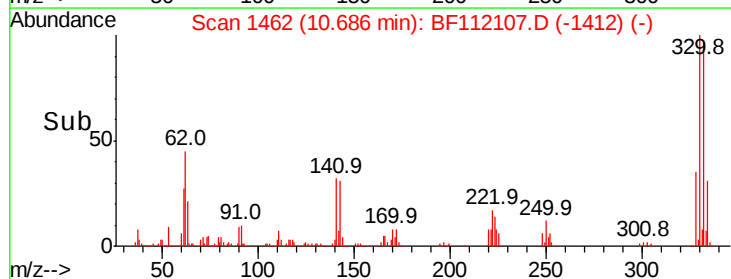
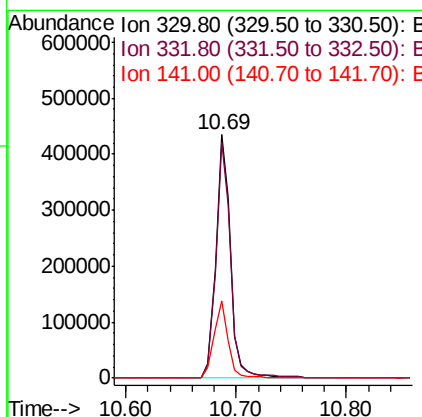
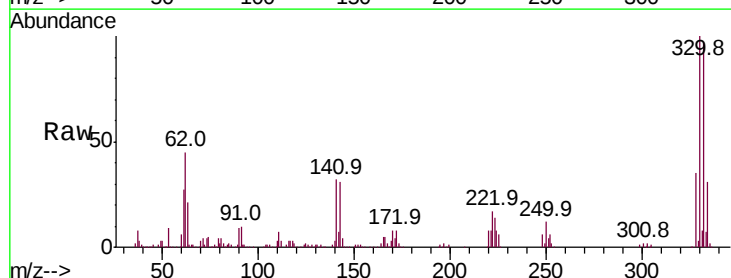
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 011519-DBRI-F-U-M

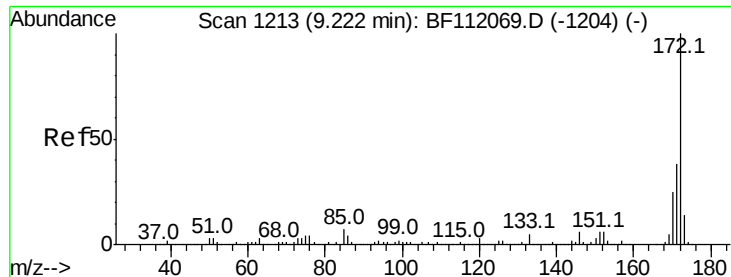
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.2	123.4
160	47.4	36.2	54.4



#42
 2,4,6-Tribromophenol
 Concen: 79.412 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	114.8
141	30.5	24.3	36.5



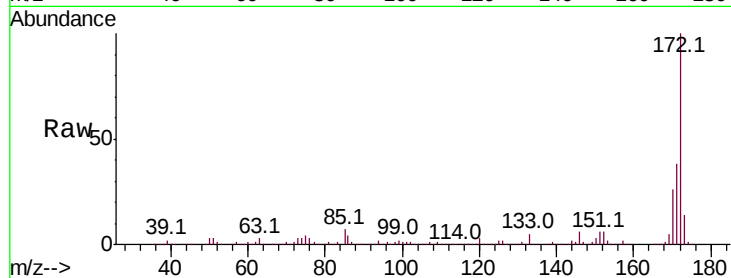


#45
 2-Fluorobiphenyl
 Concen: 91.465 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

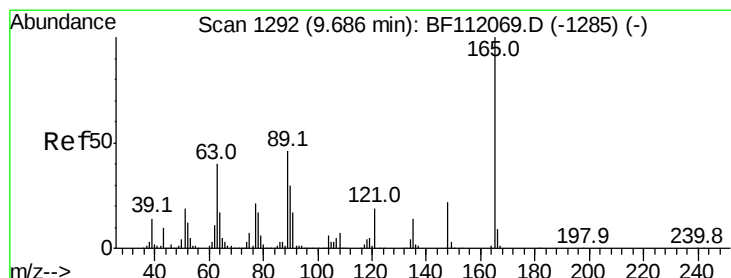
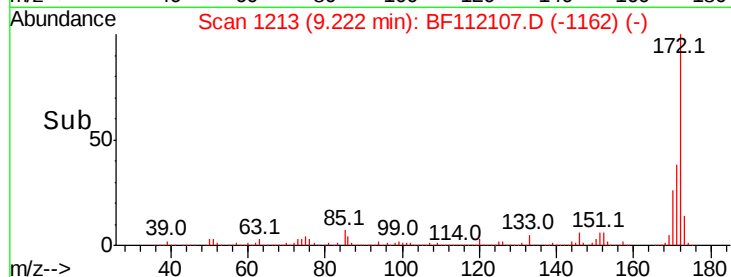
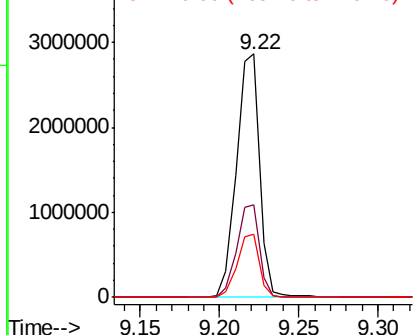
Instrument :
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Tot Ion:172 Resp: 2905108

Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.5	45.7
170	25.8	20.2	30.4



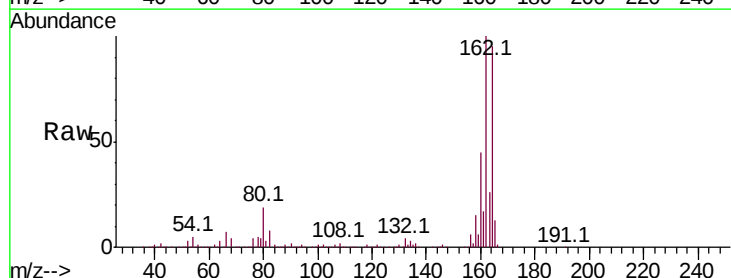
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



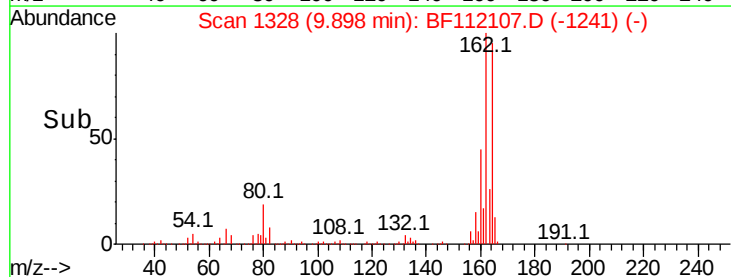
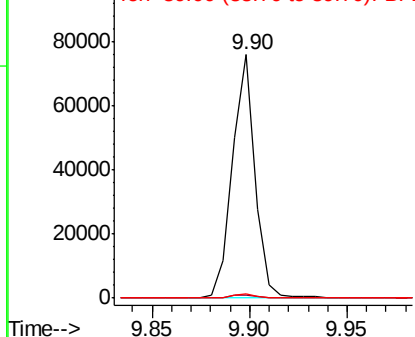
#51
 2,6-Dinitrotoluene
 Concen: 8.996 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

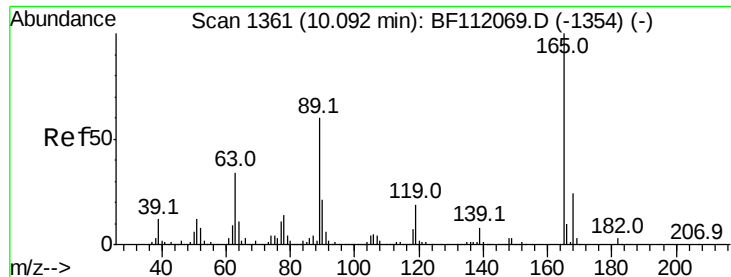
Tgt Ion:165 Resp: 61012

Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	1.5	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

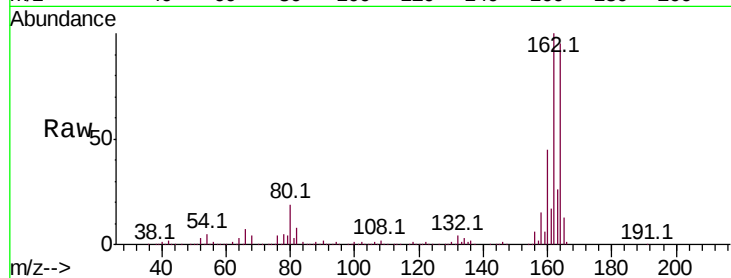




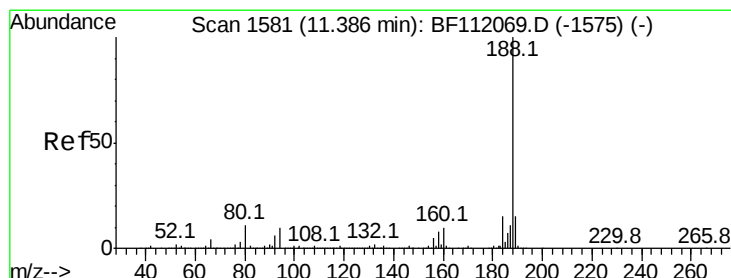
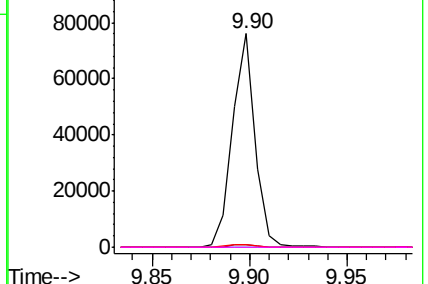
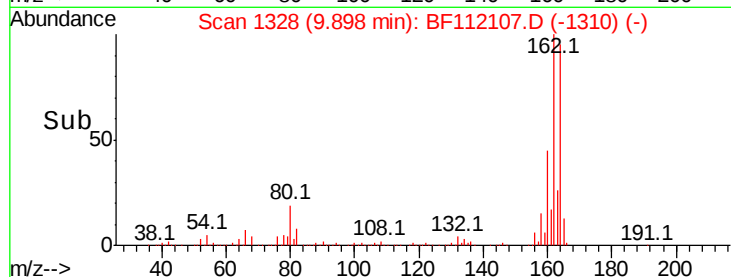
#57
 2,4-Dinitrotoluene
 Concen: 10.921 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-U-M

Tot Ion:	165	Resp:	61012
Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	1.5	47.9	71.9#
182	0.0	2.2	3.4#

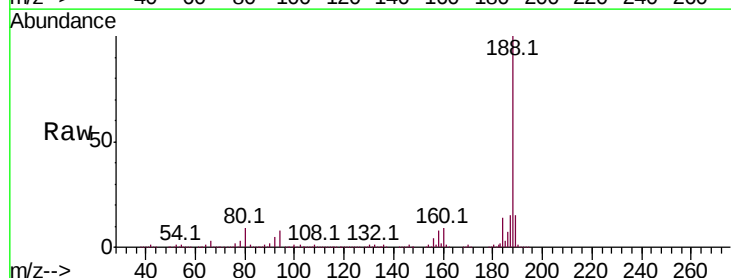


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

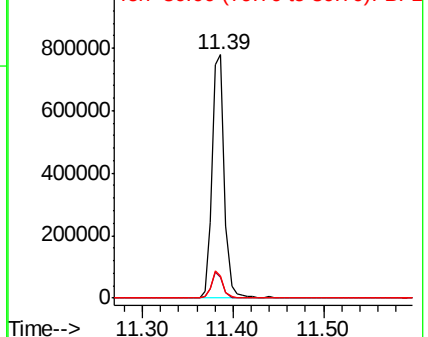
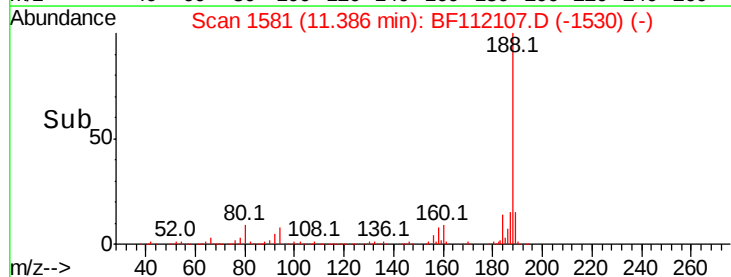


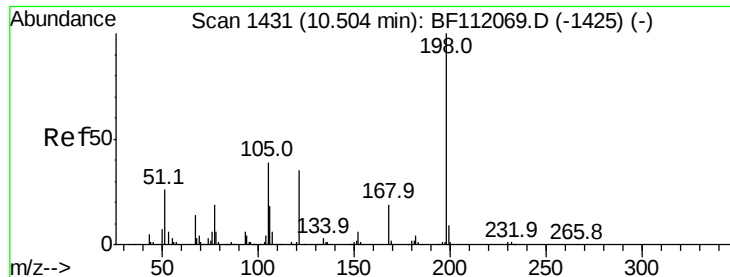
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

Tgt Ion:	188	Resp:	748861
Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.2	12.2
80	9.0	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

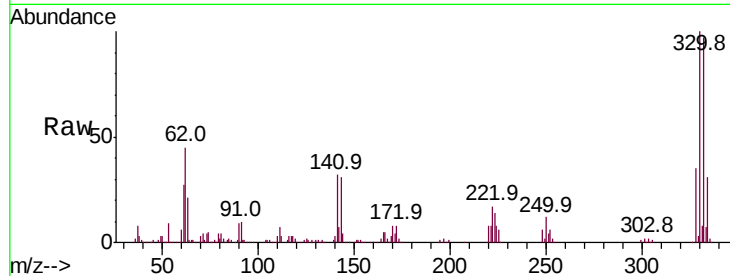




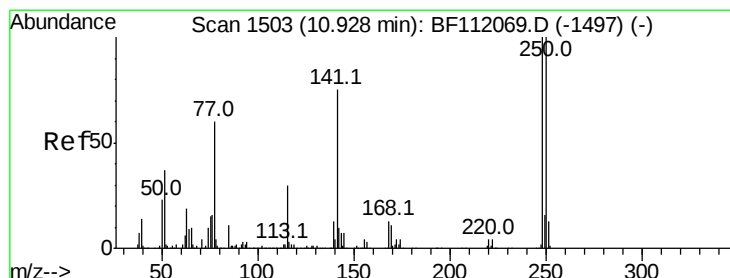
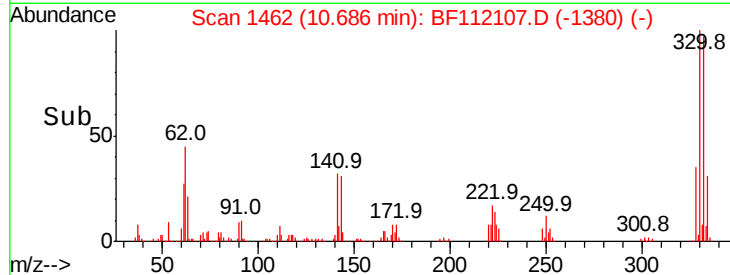
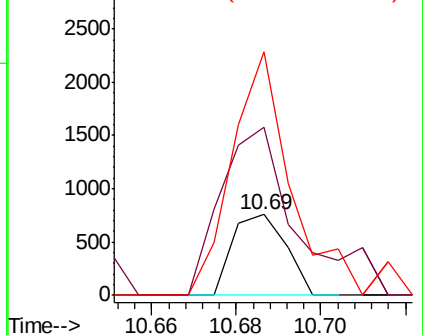
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.238 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.18 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

Instrument :
 BNA_F
 ClientSampleId :
 011519-DBRI-F-U-M

Tot Ion:198 Resp: 665
 Ion Ratio Lower Upper
 198 100
 51 209.7 17.2 57.2#
 105 302.6 21.9 61.9#

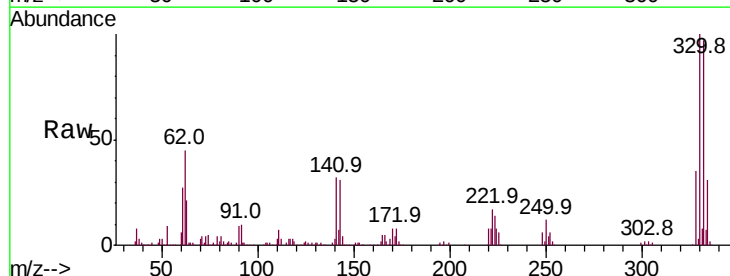


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

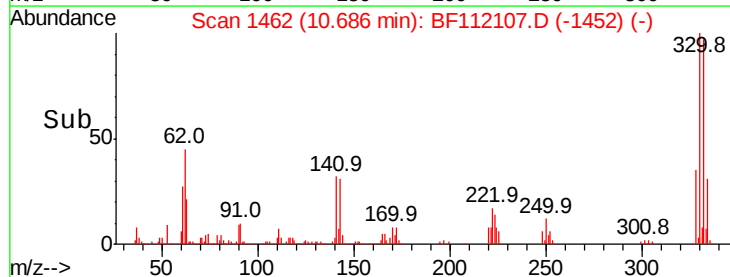
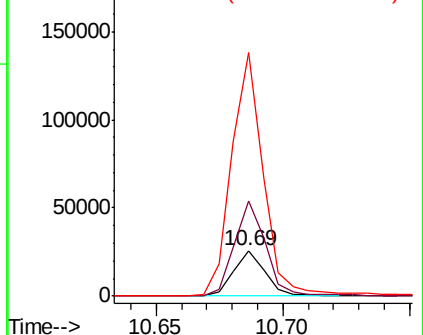


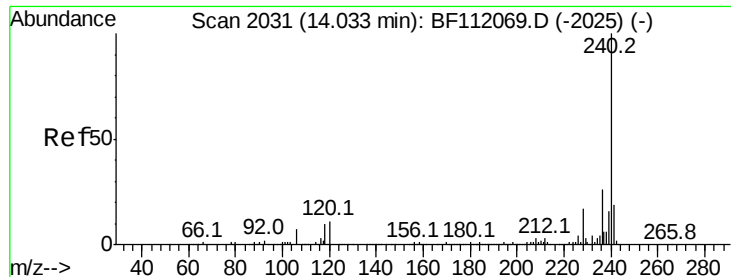
#67
 4-Bromophenyl-phenylether
 Concen: 2.522 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.24 min
 Lab File: BF112107.D
 Acq: 18 Jan 2019 00:13

Tgt Ion:248 Resp: 21935
 Ion Ratio Lower Upper
 248 100
 250 209.9 79.7 119.5#
 141 535.3 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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

Instrument :

BNA_F

ClientSampleId :

011519-DBRI-F-U-M

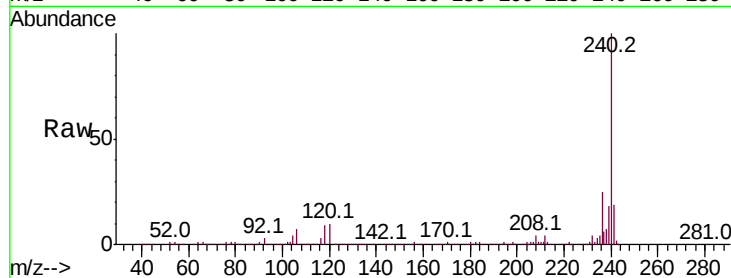
Tot Ion:240 Resp: 680892

Ion Ratio Lower Upper

240 100

120 10.3 9.0 13.6

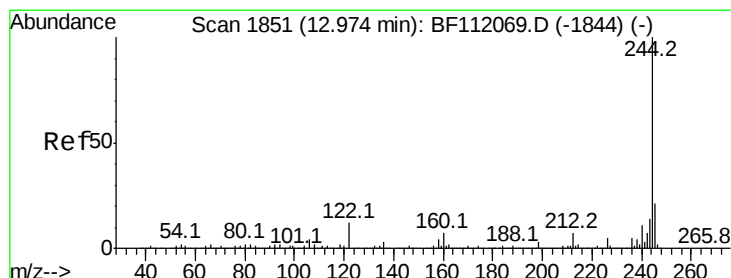
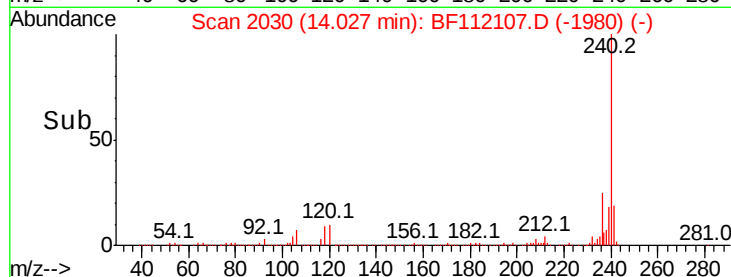
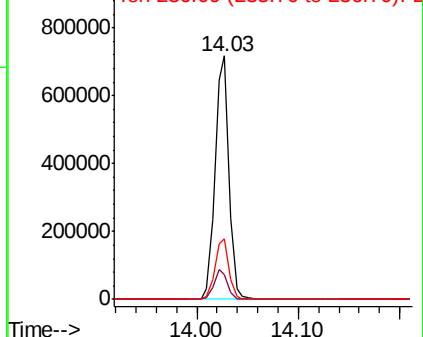
236 25.1 20.7 31.1



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: 73.302 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112107.D

Acq: 18 Jan 2019 00:13

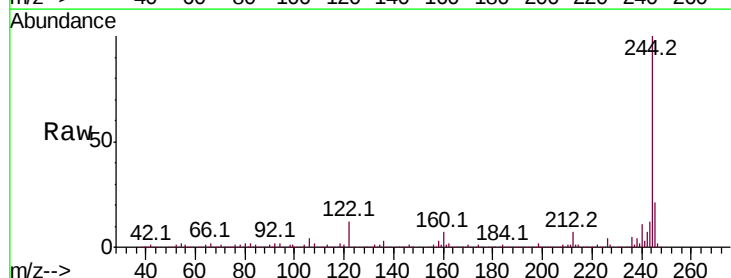
Tgt Ion:244 Resp: 2346105

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

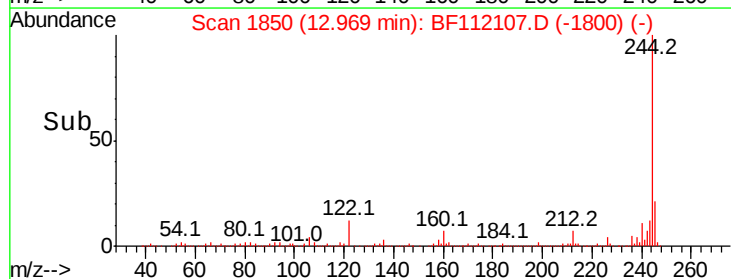
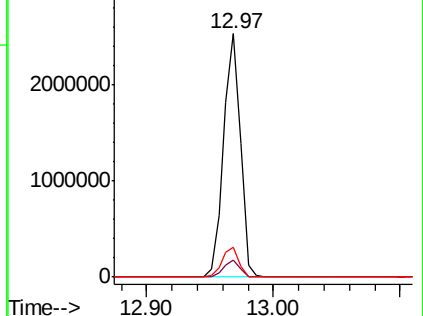
122 12.2 9.8 14.6

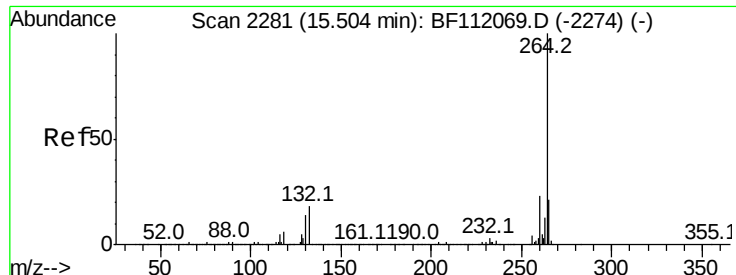


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF112107.D
Acq: 18 Jan 2019 00:13

Instrument :
BNA_F
ClientSampleId :
011519-DBRI-F-U-M

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.6	17.0	25.4

