

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112104.D
 Acq On : 17 Jan 2019 22:51
 Operator : JU/SJ
 Sample : K1164-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 011519-BLST-E-U-M

Quant Time: Jan 18 00:11:24 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	302856	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1085008	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	475207	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	743481	20.00	ng	0.00
76) Chrysene-d12	14.02	240	666872	20.00	ng	-0.01
87) Perylene-d12	15.50	264	515241	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	571410	34.25	ng	0.00
7) Phenol-d6	6.50	99	434294	20.80	ng	-0.01
23) Nitrobenzene-d5	7.42	82	1528580	97.33	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	339607	66.25	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2762246	85.22	ng	0.00
79) Terphenyl-d14	12.97	244	2164885	69.06	ng	0.00

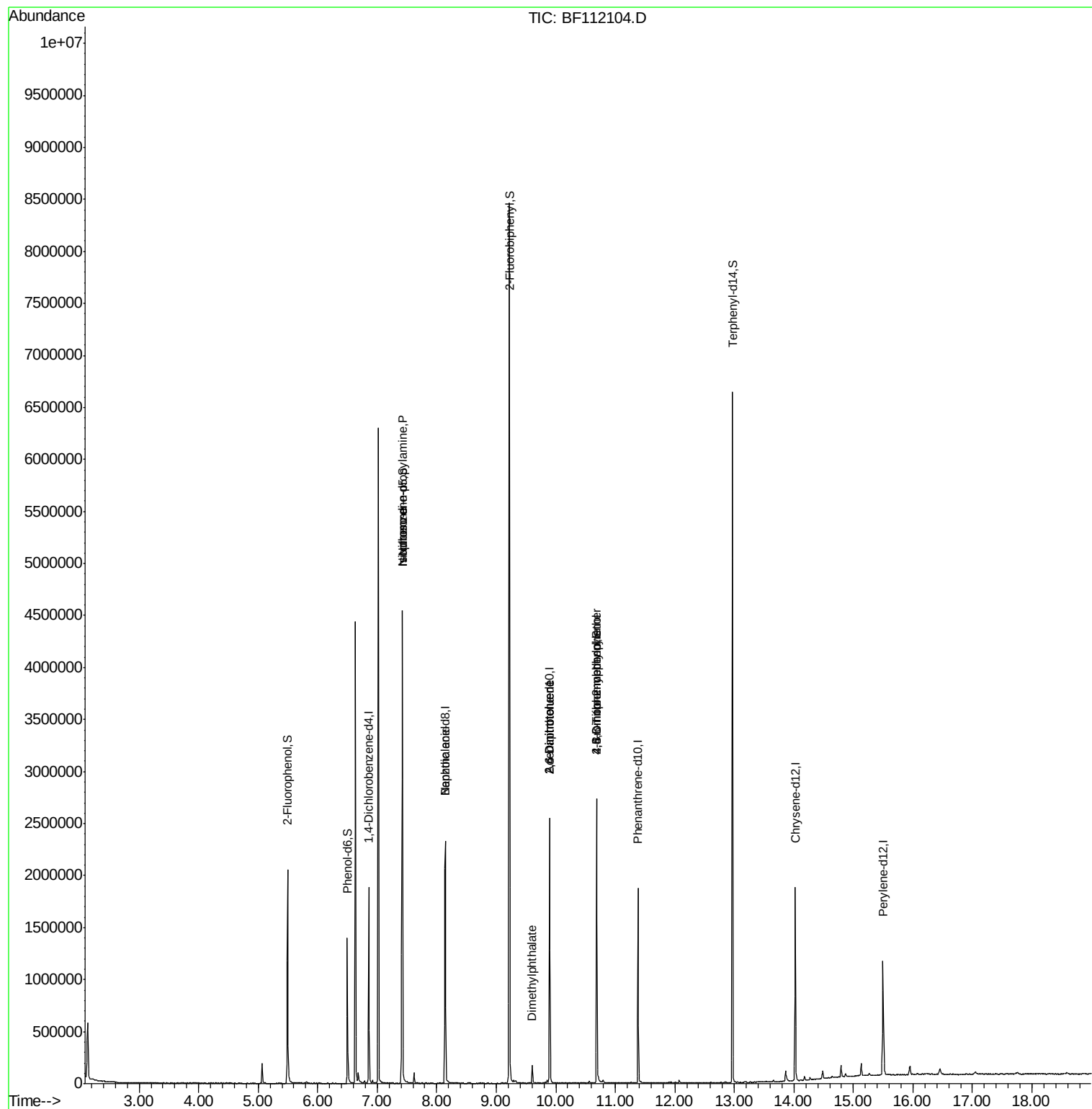
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	210749	16.571	ng	# 77
25) Isophorone	7.42	82	1528568	50.392	ng	# 64
32) Benzoic acid	8.14	122	131	7.190	ng	# 1
50) Dimethylphthalate	9.60	163	74746	2.157	ng	99
51) 2,6-Dinitrotoluene	9.90	165	60364	8.722	ng	# 34
57) 2,4-Dinitrotoluene	9.90	165	60364	10.728	ng	# 31
65) 4,6-Dinitro-2-methylphenol	10.69	198	683	10.244	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	20144	2.333	ng	# 1

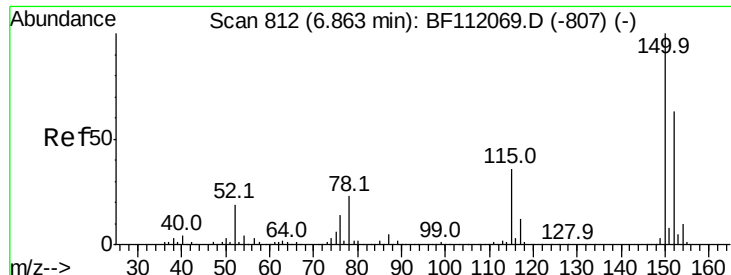
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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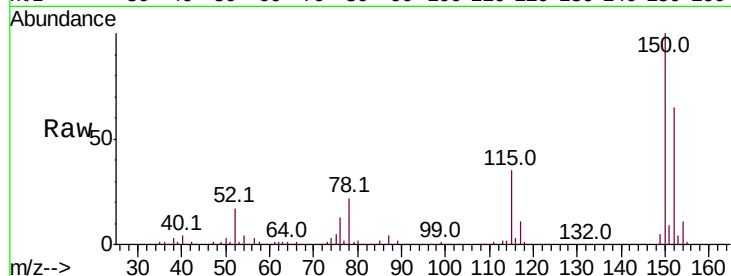


#1

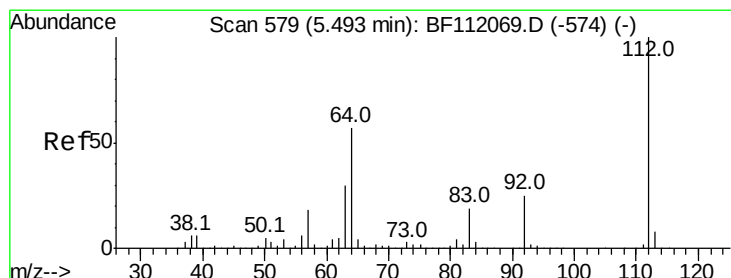
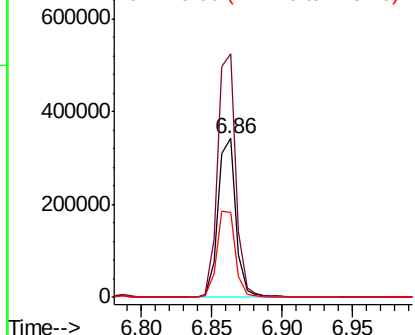
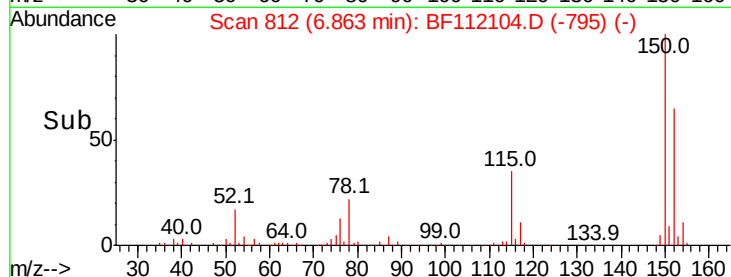
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-U-M

Tot Ion:152 Resp: 302856
Ion Ratio Lower Upper
152 100
150 153.5 127.4 191.0
115 53.4 45.5 68.3



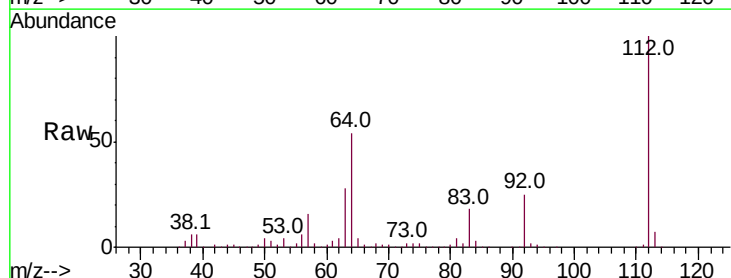
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



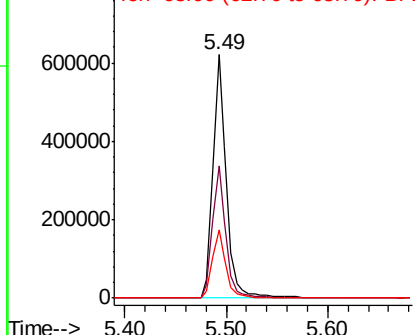
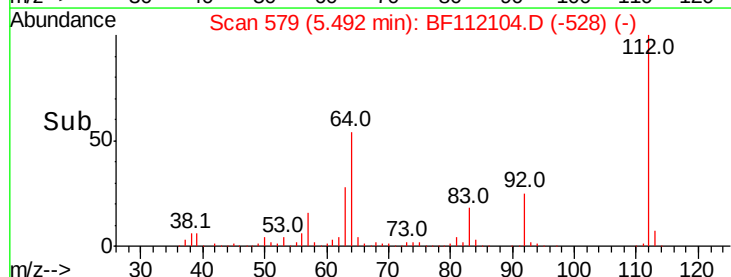
#5

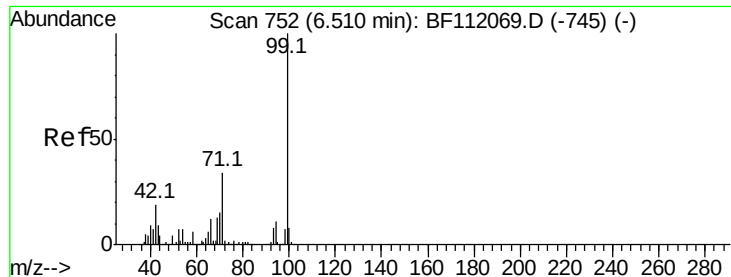
2-Fluorophenol
Concen: 34.245 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

Tgt Ion:112 Resp: 571410
Ion Ratio Lower Upper
112 100
64 54.4 45.7 68.5
63 28.0 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: 20.803 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-U-M

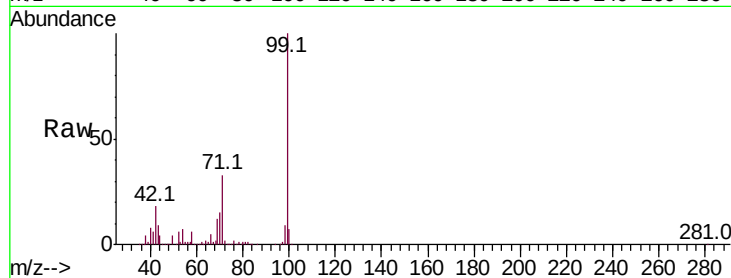
Tot Ion: 99 Resp: 434294

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

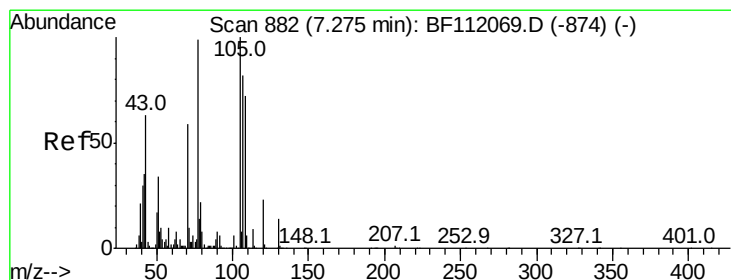
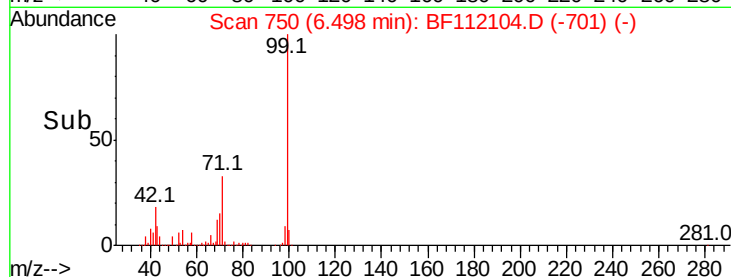
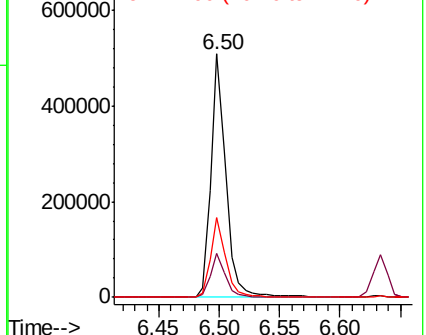
71 32.9 26.9 40.3



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: 16.571 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Tgt Ion: 70 Resp: 210749

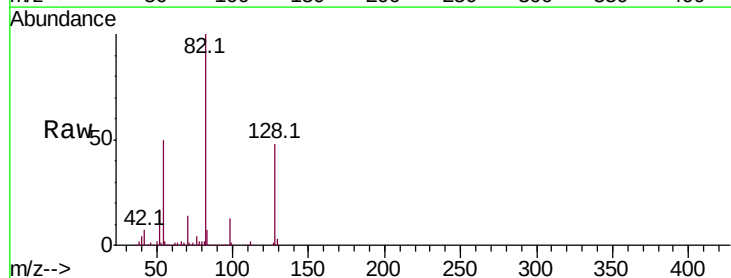
Ion Ratio Lower Upper

70 100

42 48.1 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

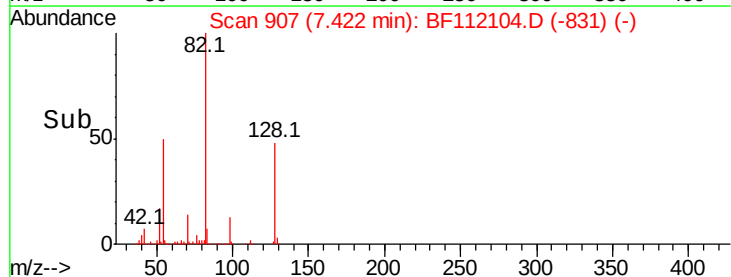
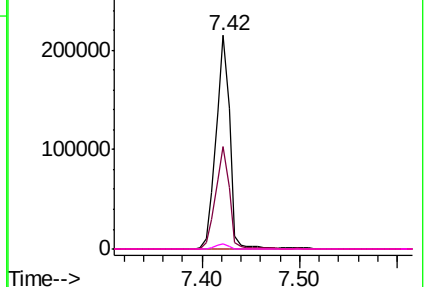


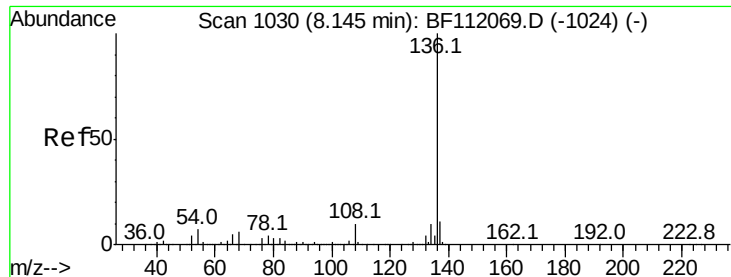
Abundance Ion 70.00 (69.70 to 70.70): BF1

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



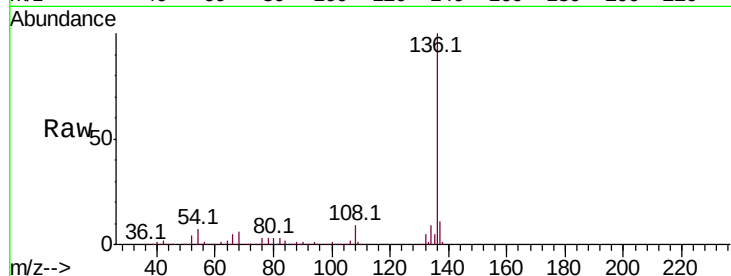


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

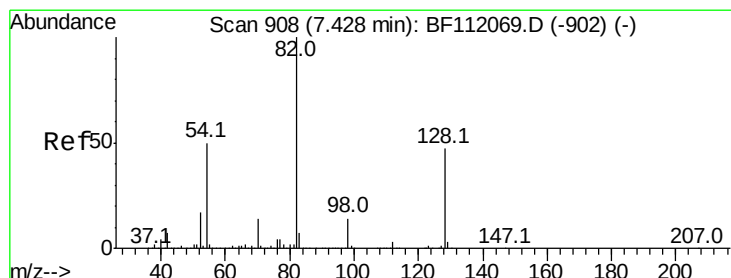
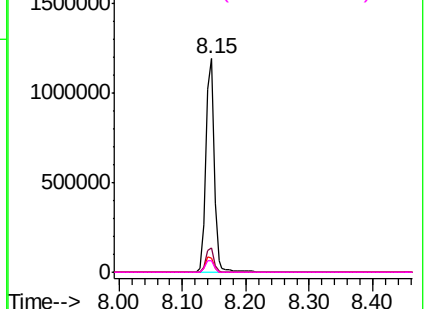
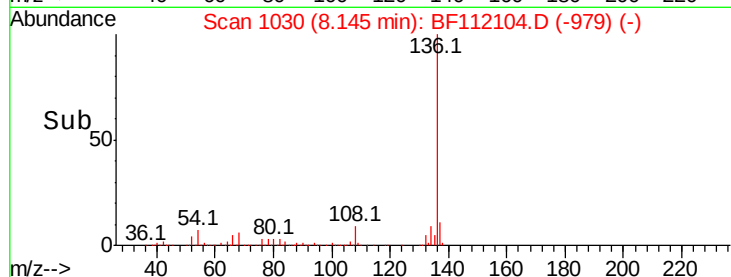
Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-U-M

Tot Ion:136 Resp: 1085008

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.7	5.9	8.9
68	5.7	5.1	7.7



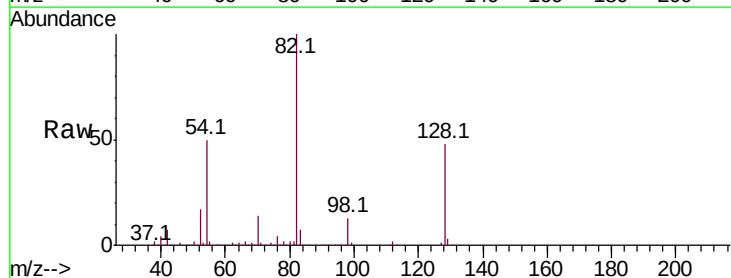
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



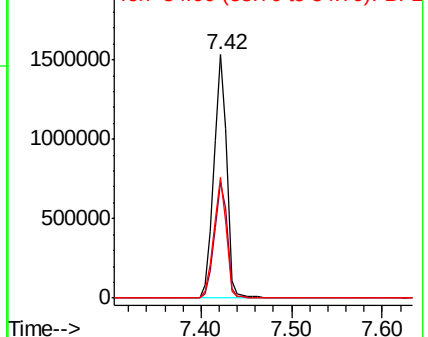
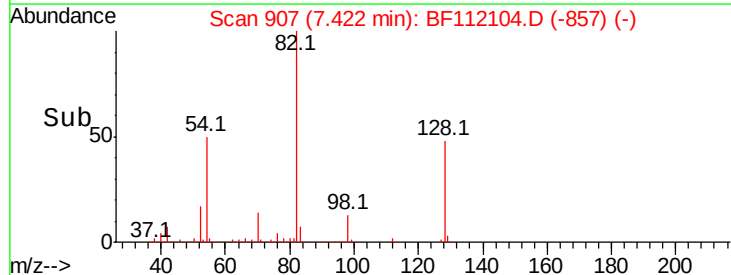
#23
Nitrobenzene-d5
Concen: 97.334 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

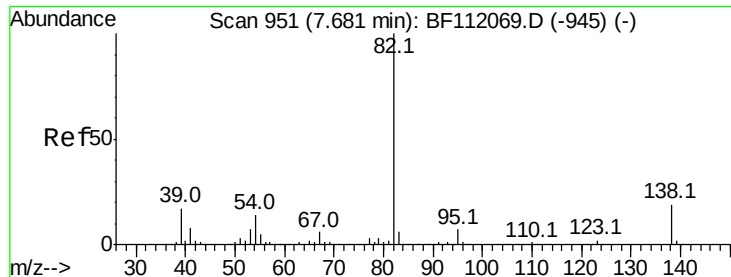
Tgt Ion: 82 Resp: 1528580

Ion	Ratio	Lower	Upper
82	100		
128	47.6	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: 50.392 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-U-M

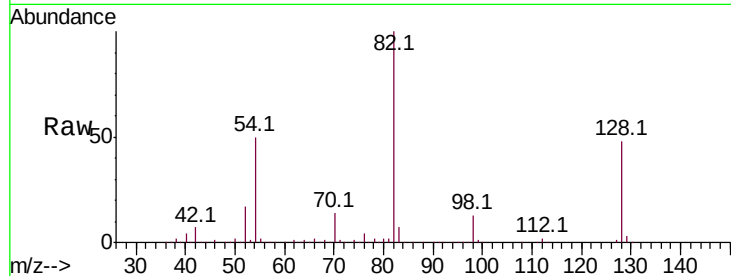
Tot Ion: 82 Resp: 1528568

Ion Ratio Lower Upper

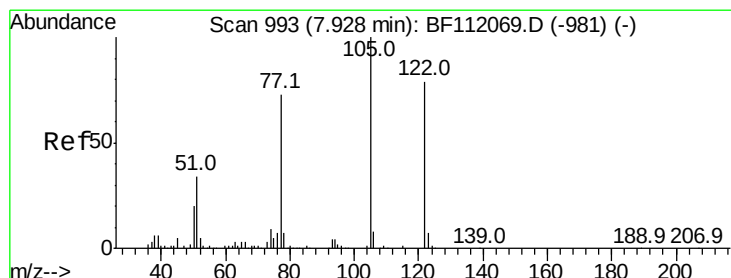
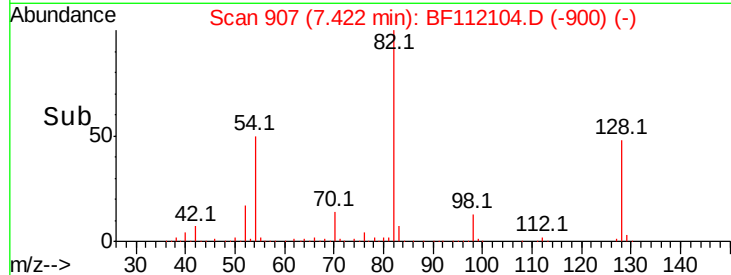
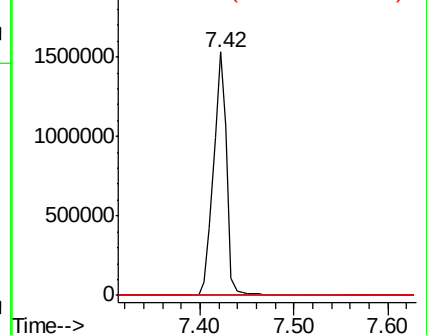
82 100

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: 7.190 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.21 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

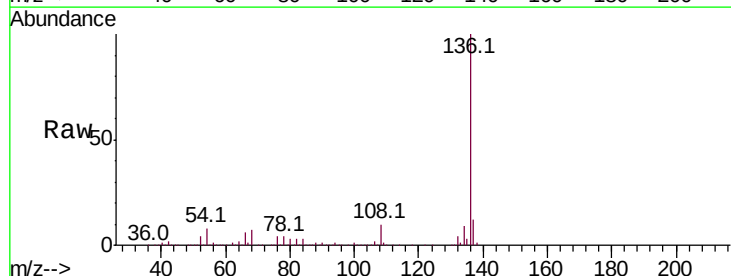
Tgt Ion:122 Resp: 131

Ion Ratio Lower Upper

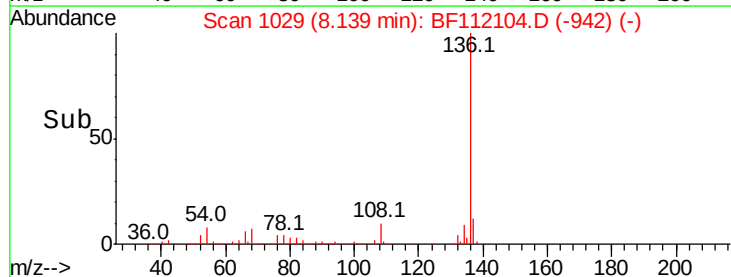
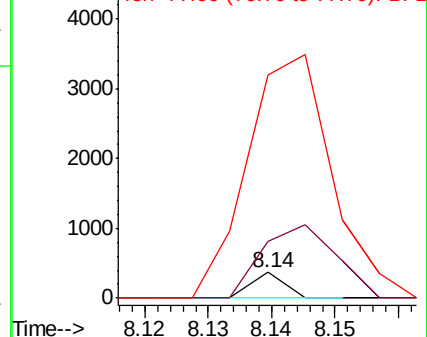
122 100

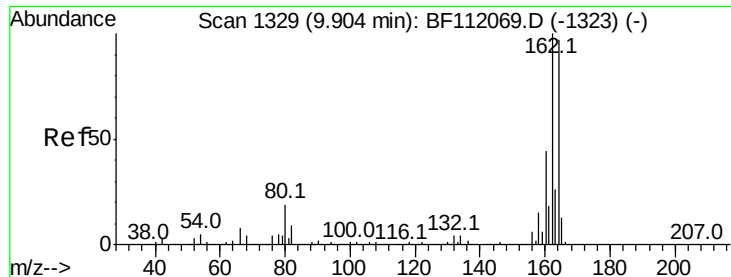
105 220.4 101.2 141.2#

77 861.0 70.4 110.4#



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

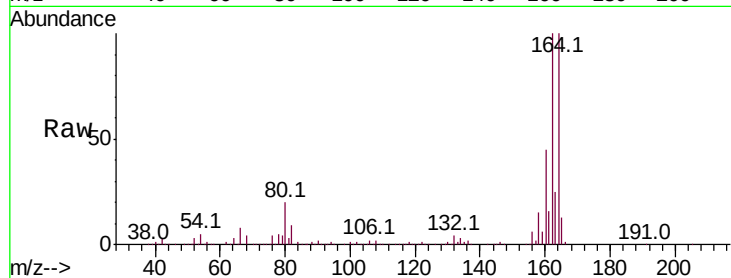




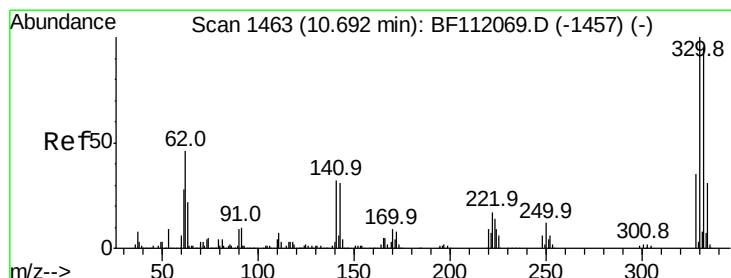
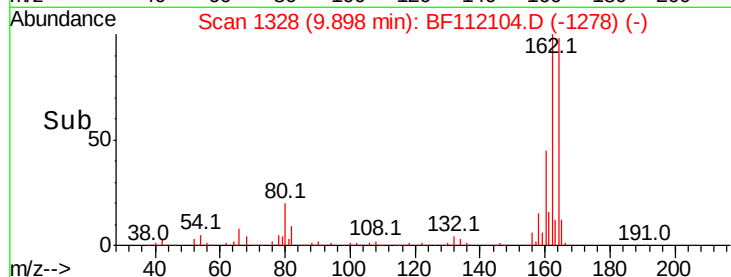
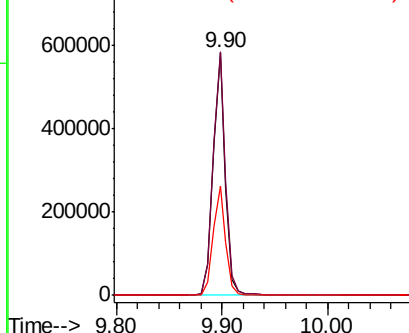
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112104.D
 Acq: 17 Jan 2019 22:51

Instrument :
 BNA_F
 ClientSampleId :
 011519-BLST-E-U-M

Tot Ion:	164	Resp:	475207
Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.2	123.4
160	44.9	36.2	54.4

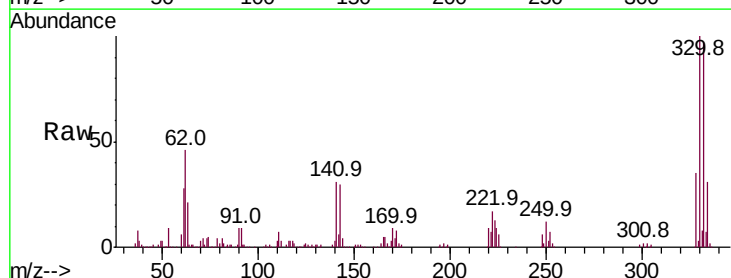


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

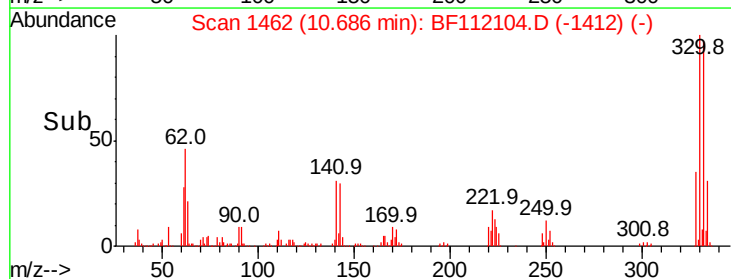
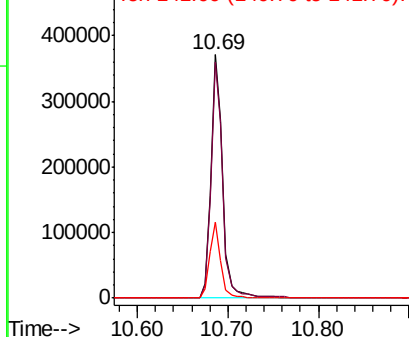


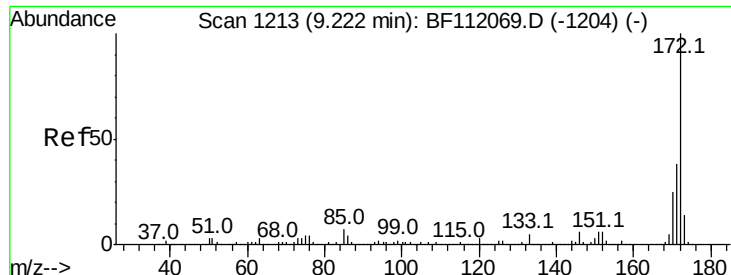
#42
 2,4,6-Tribromophenol
 Concen: 66.246 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112104.D
 Acq: 17 Jan 2019 22:51

Tgt Ion:	330	Resp:	339607
Ion	Ratio	Lower	Upper
330	100		
332	96.5	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



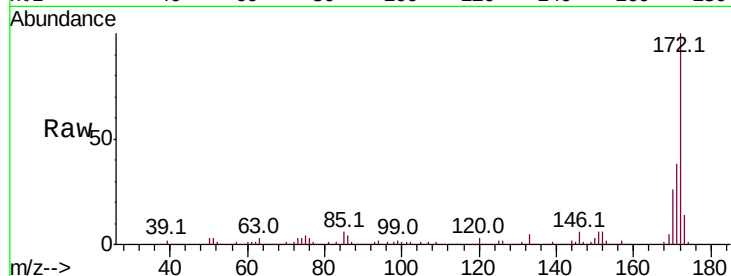


#45
 2-Fluorobiphenyl
 Concen: 85.221 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: BF112104.D
 Acq: 17 Jan 2019 22:51

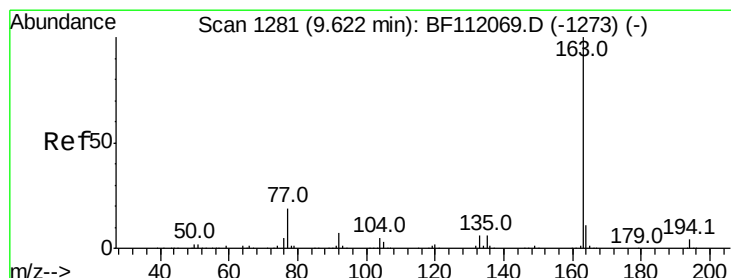
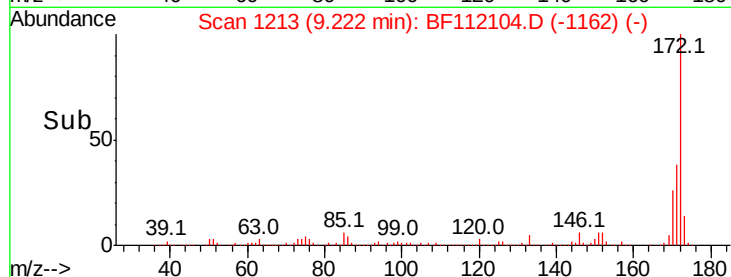
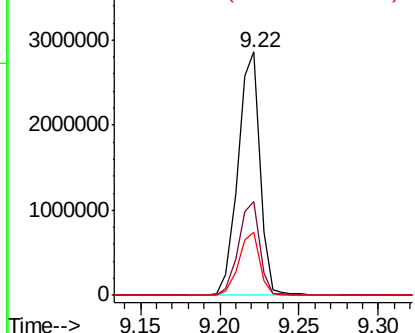
Instrument :
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Tot Ion:172 Resp: 2762246

Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.5	45.7
170	25.7	20.2	30.4



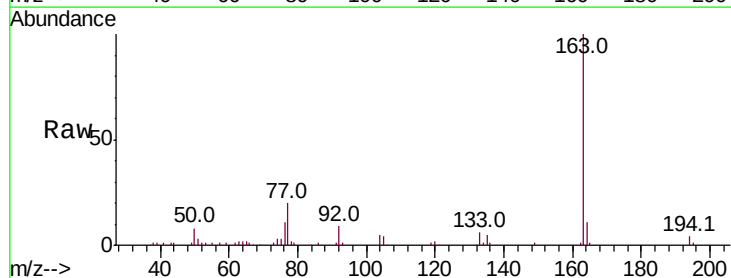
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



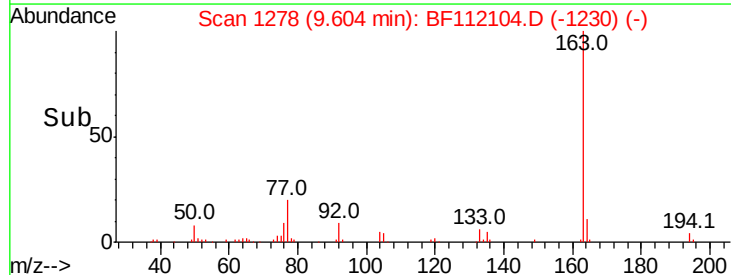
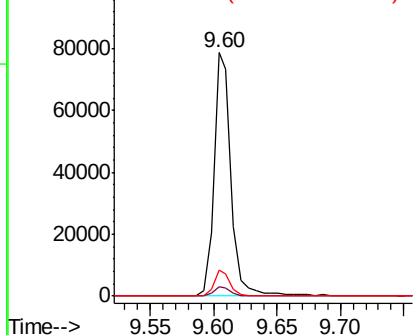
#50
 Dimethylphthalate
 Concen: 2.157 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF112104.D
 Acq: 17 Jan 2019 22:51

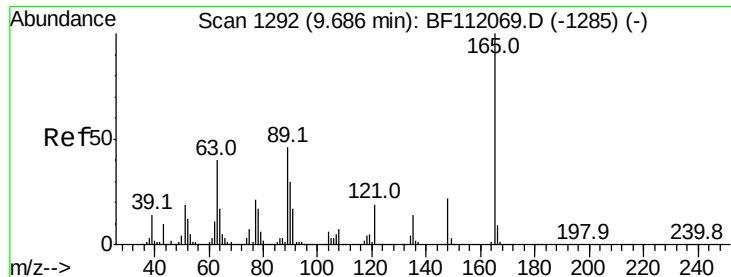
Tgt Ion:163 Resp: 74746

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.8	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





#51

2,6-Dinitrotoluene

Concen: 8.722 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-U-M

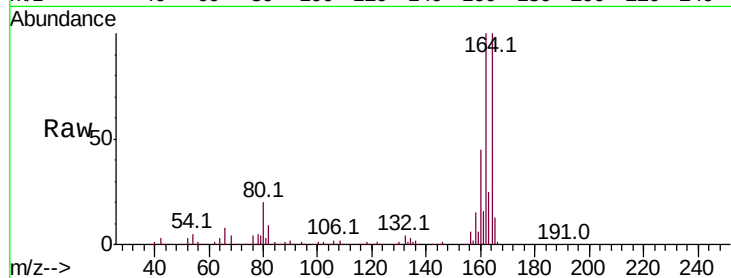
Tot Ion:165 Resp: 60364

Ion Ratio Lower Upper

165 100

63 1.2 33.8 50.8#

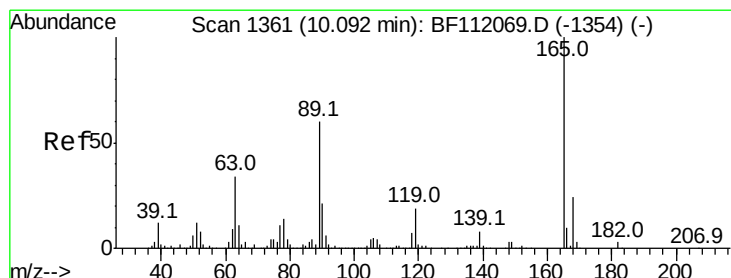
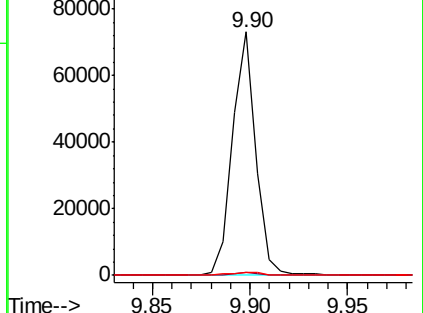
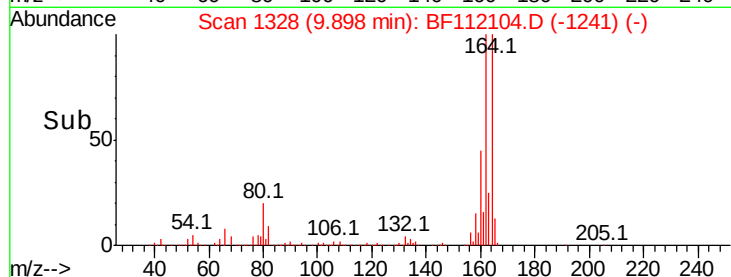
89 1.4 36.9 55.3#



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: 10.728 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.19 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Tgt Ion:165 Resp: 60364

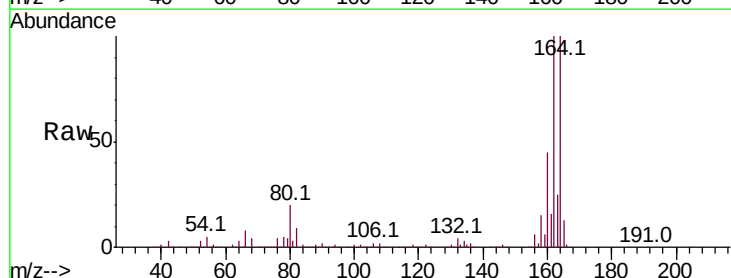
Ion Ratio Lower Upper

165 100

63 1.2 27.9 41.9#

89 1.4 47.9 71.9#

182 0.0 2.2 3.4#

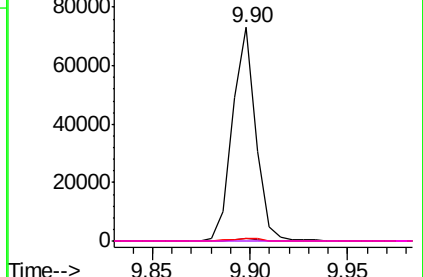
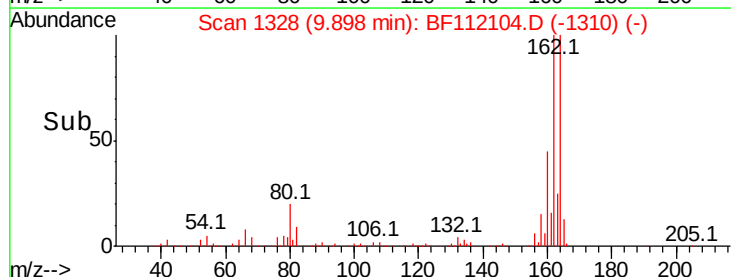


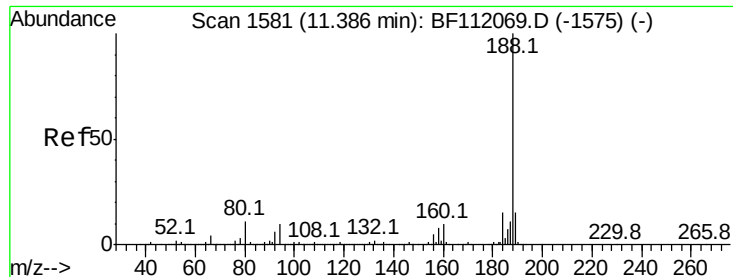
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112104.D

Acq: 17 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-U-M

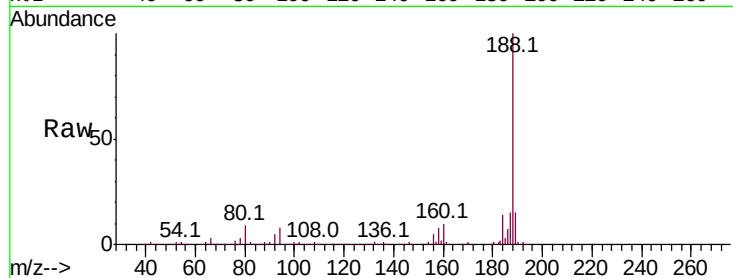
Tot Ion:188 Resp: 743481

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

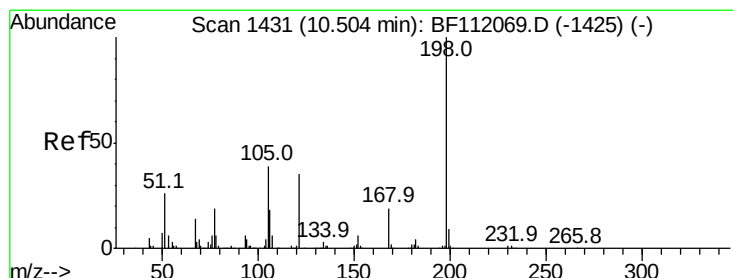
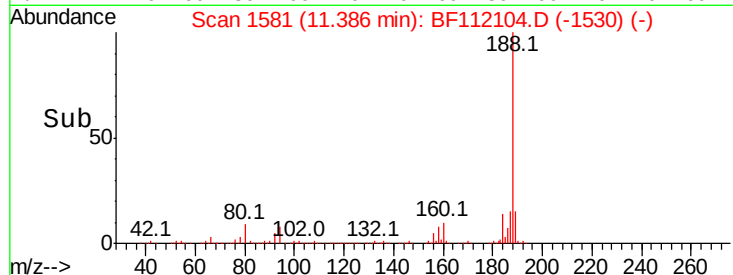
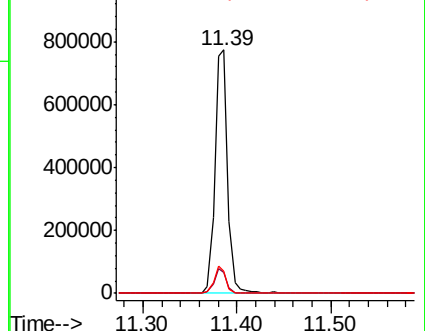
80 9.0 8.9 13.3



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: 10.244 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

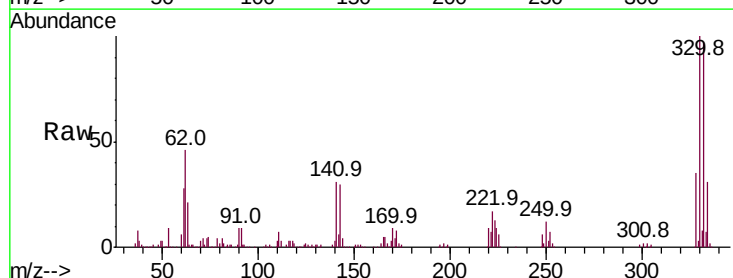
Tgt Ion:198 Resp: 683

Ion Ratio Lower Upper

198 100

51 193.4 17.2 57.2#

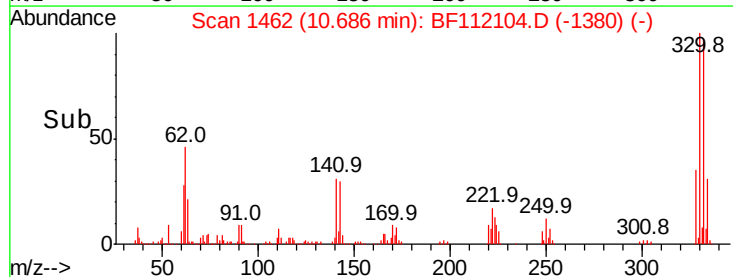
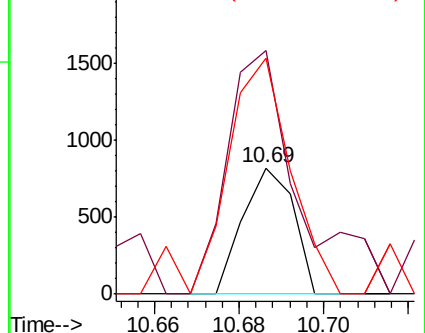
105 187.3 21.9 61.9#

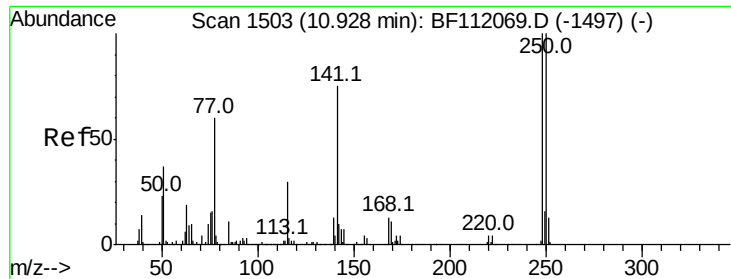


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

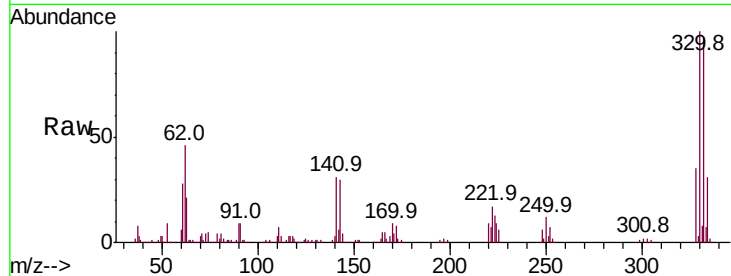




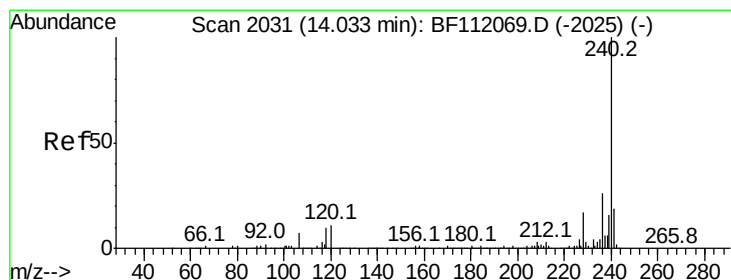
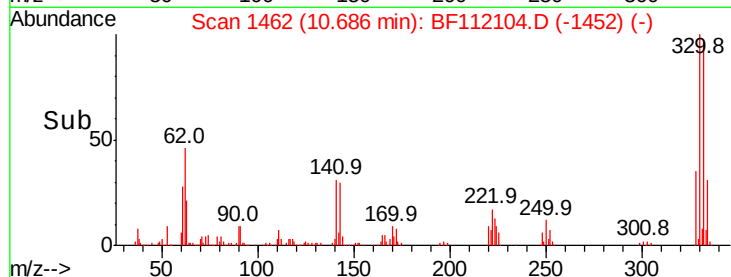
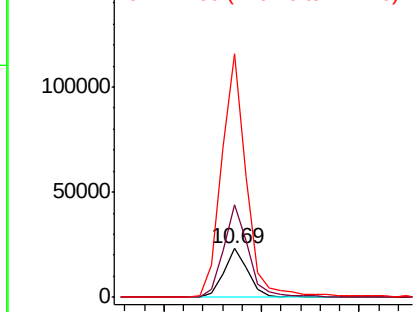
#67
4-Bromophenyl-phenylether
Concen: 2.333 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

Instrument :
BNA_F
ClientSampleId :
011519-BLST-E-U-M

Tot Ion:248 Resp: 20144
Ion Ratio Lower Upper
248 100
250 190.3 79.7 119.5#
141 499.0 60.3 90.5#

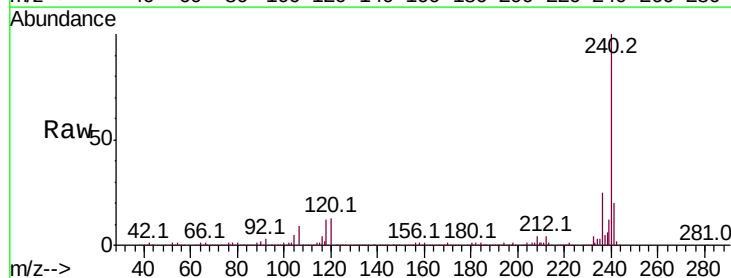


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

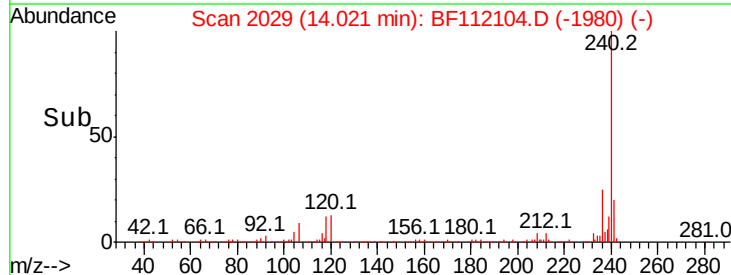
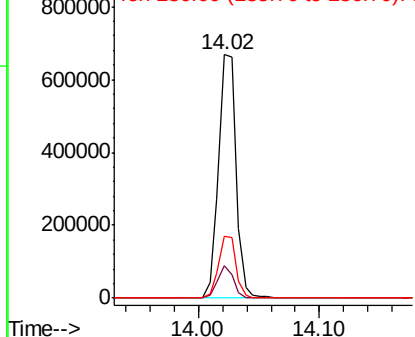


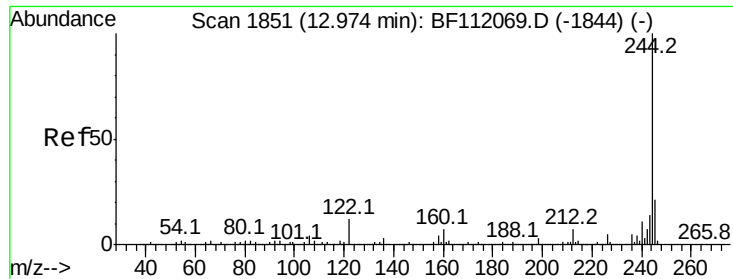
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112104.D
Acq: 17 Jan 2019 22:51

Tgt Ion:240 Resp: 666872
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.6
236 25.2 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: 69.062 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

Instrument :

BNA_F

ClientSampleId :

011519-BLST-E-U-M

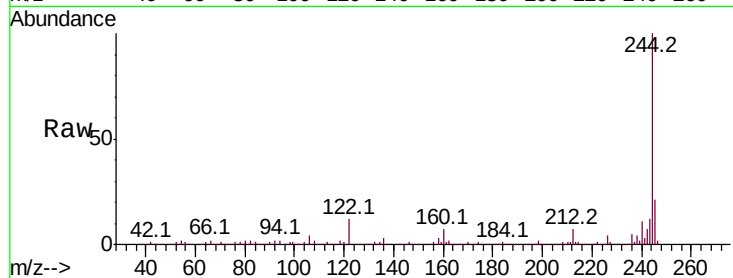
Tot Ion:244 Resp: 2164885

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

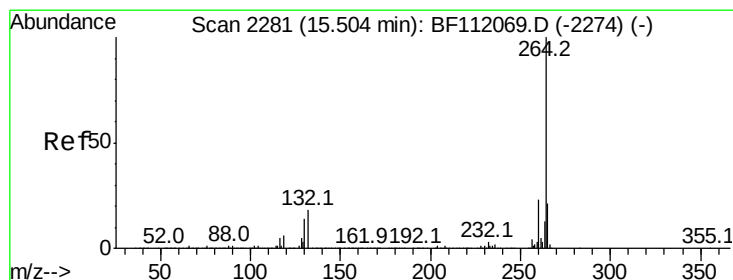
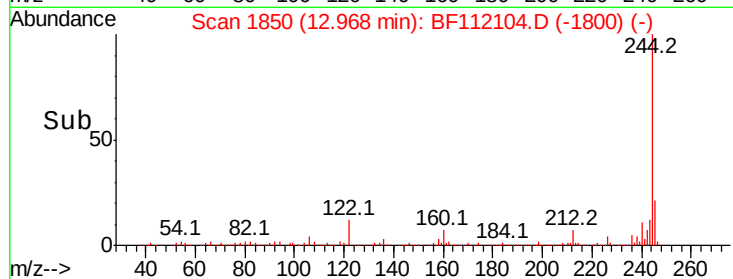
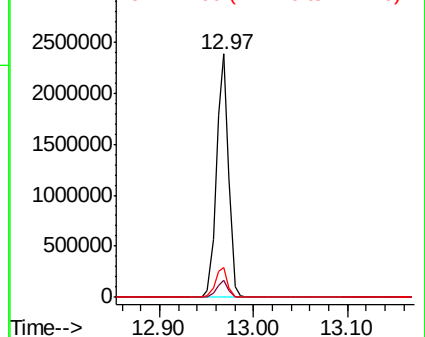
122 12.2 9.8 14.6



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

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF112104.D

Acq: 17 Jan 2019 22:51

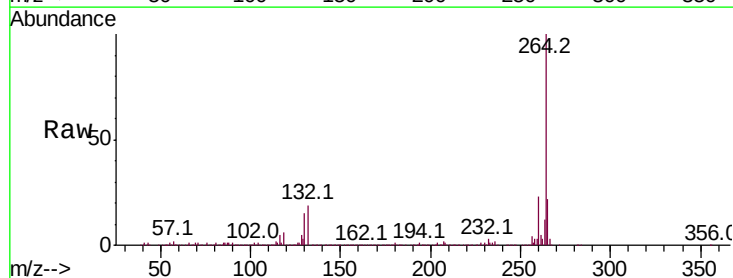
Tgt Ion:264 Resp: 515241

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 21.5 17.0 25.4



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

