

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
 Data File : BF108275.D
 Acq On : 18 Aug 2018 6:26
 Operator : JU/SJ
 Sample : J4462-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 081318-DBRI-F-U-S

Quant Time: Aug 18 06:50:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	153810	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	541756	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	239104	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	387204	20.00	ng	0.00
75) Chrysene-d12	14.21	240	366638	20.00	ng	0.00
86) Perylene-d12	15.78	264	222948	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	363456	42.78	ng	0.01
7) Phenol-d6	6.63	99	294073	26.05	ng	0.00
23) Nitrobenzene-d5	7.58	82	1024392	105.51	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	206009	86.38	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1788932	120.12	ng	0.00
78) Terphenyl-d14	13.15	244	1373818	95.27	ng	0.00

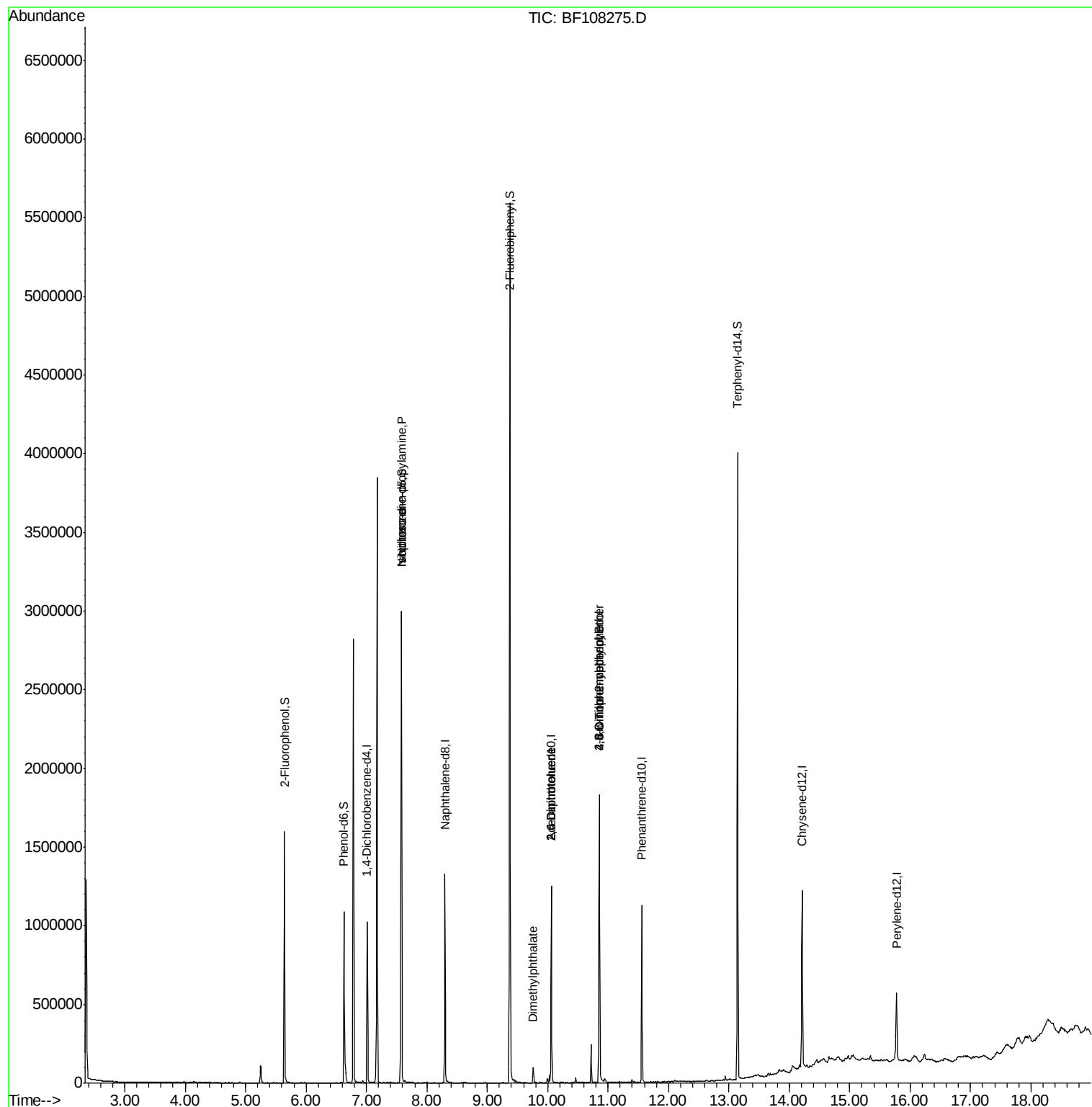
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	140505	18.404	ng	# 82
25) Isophorone	7.58	82	1024536	55.365	ng	# 64
49) Dimethylphthalate	9.77	163	43068	2.586	ng	# 97
50) 2,6-Dinitrotoluene	10.06	165	30154	8.653	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	30154	6.723	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	516	5.674	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	13599	3.232	ng	# 1

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

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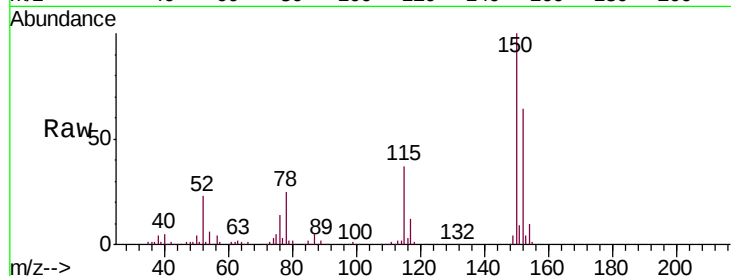


#1

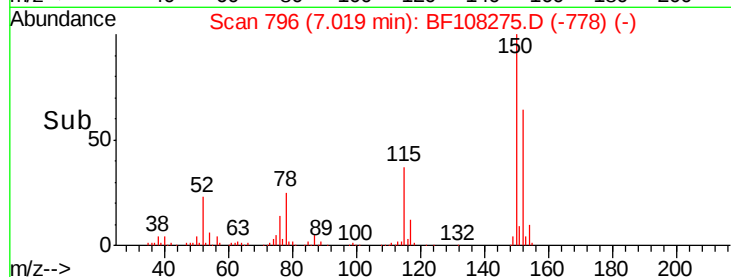
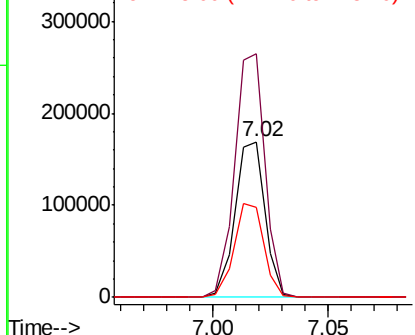
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108275.D
Acq: 18 Aug 2018 6:26

Instrument :
BNA_F
ClientSampleId :
081318-DBRI-F-U-S

Tgt Ion:152 Resp: 153810
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 58.1 50.1 75.1



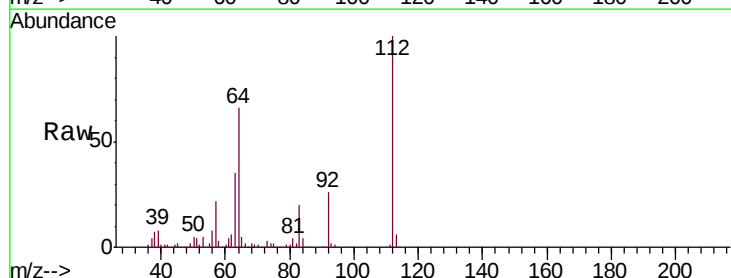
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



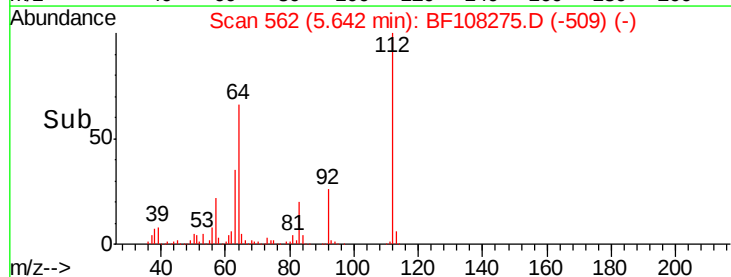
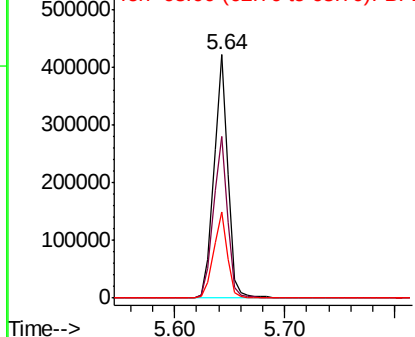
#5

2-Fluorophenol
Concen: 42.781 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108275.D
Acq: 18 Aug 2018 6:26

Tgt Ion:112 Resp: 363456
Ion Ratio Lower Upper
112 100
64 66.4 47.9 71.9
63 35.5 23.7 35.5



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: 26.048 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

Instrument :

BNA_F

ClientSampleId :

081318-DBRI-F-U-S

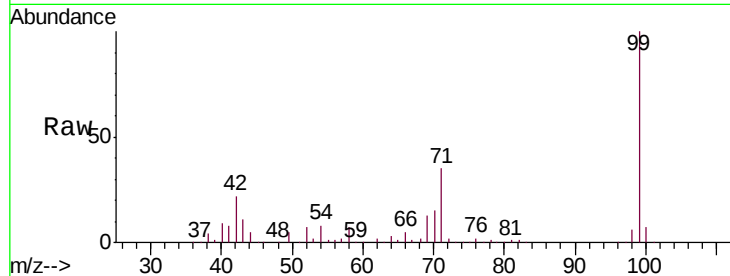
Tgt Ion: 99 Resp: 294073

Ion Ratio Lower Upper

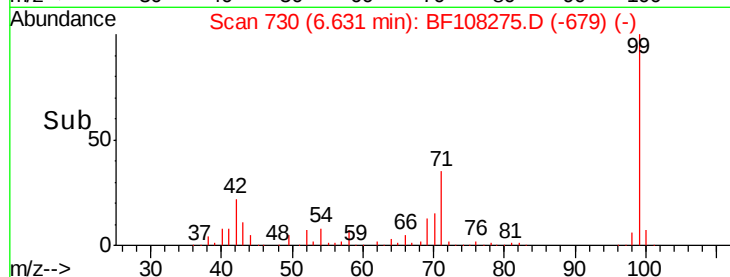
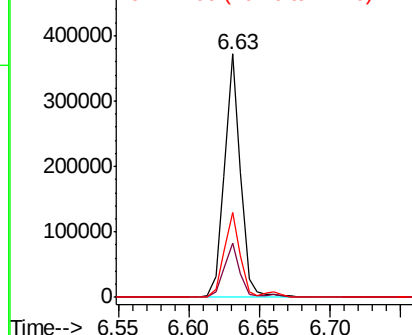
99 100

42 22.1 14.5 21.7#

71 34.9 25.4 38.0



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: 18.404 ng

RT: 7.58 min Scan# 892

Delta R.T. 0.16 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

Tgt Ion: 70 Resp: 140505

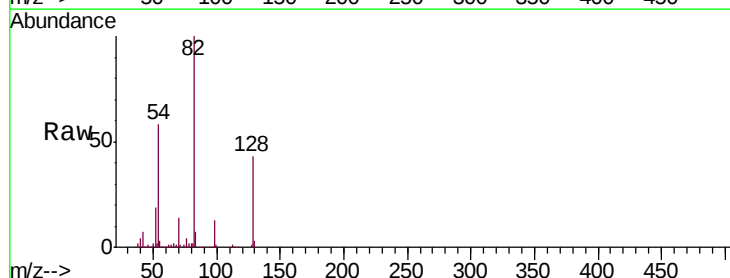
Ion Ratio Lower Upper

70 100

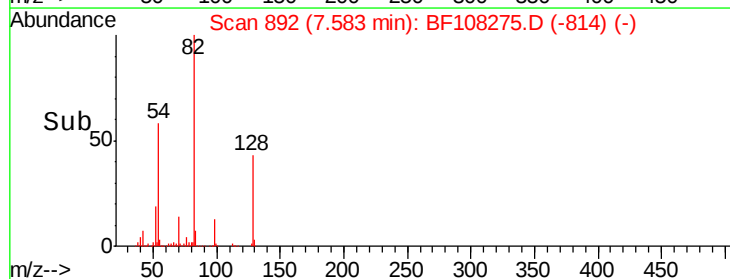
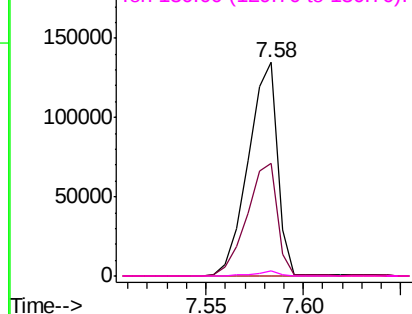
42 52.7 47.5 71.3

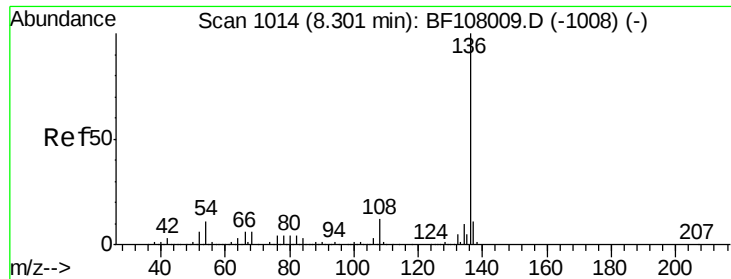
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



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

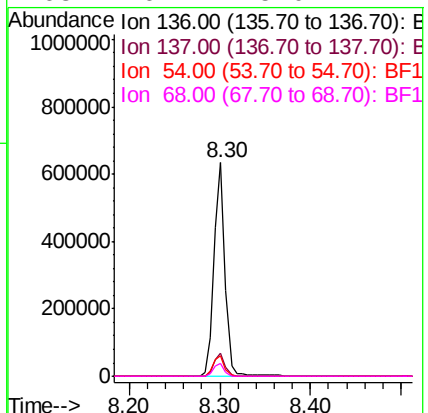
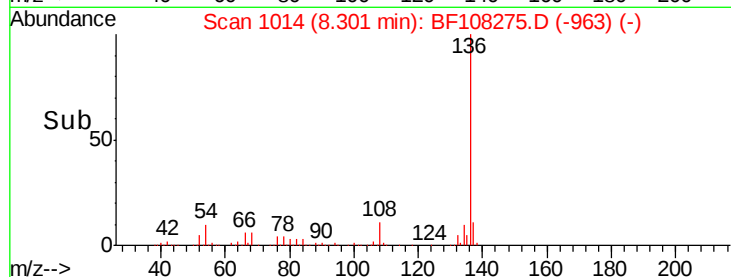
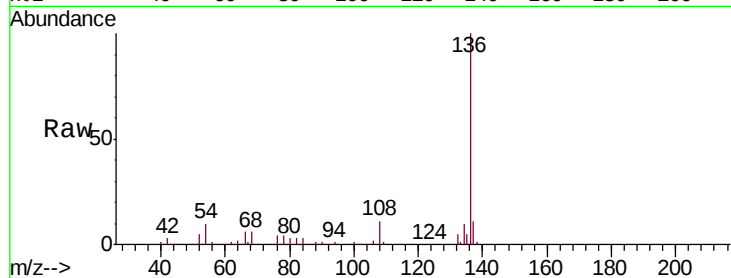




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108275.D
Acq: 18 Aug 2018 6:26

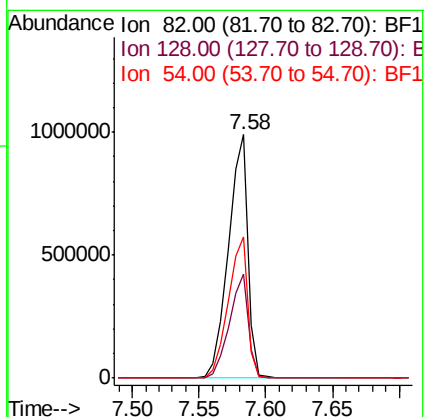
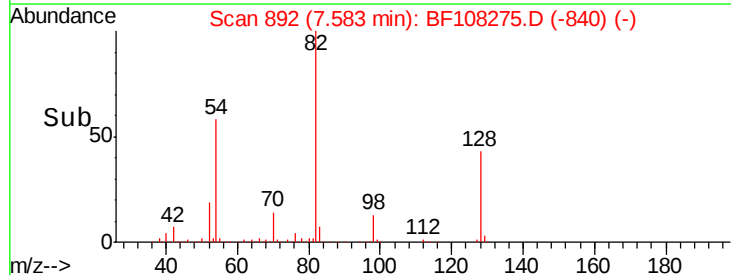
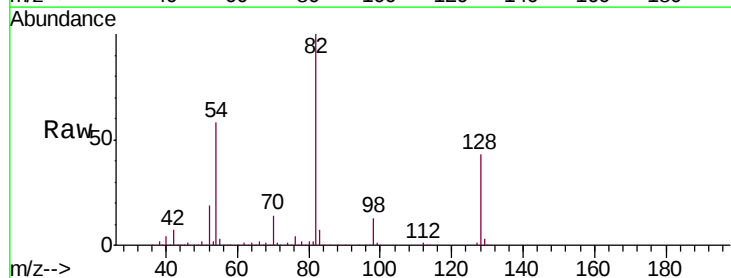
Instrument :
BNA_F
ClientSampleId :
081318-DBRI-F-U-S

Tgt Ion:	136	Resp:	541756
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 105.513 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.01 min
Lab File: BF108275.D
Acq: 18 Aug 2018 6:26

Tgt Ion:	82	Resp:	1024392
Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	58.0	41.4	62.2





#25

Isophorone

Concen: 55.365 ng

RT: 7.58 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

Instrument :

BNA_F

ClientSampleId :

081318-DBRI-F-U-S

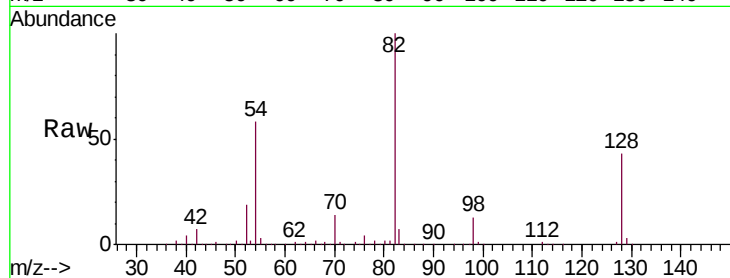
Tgt Ion: 82 Resp: 1024536

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

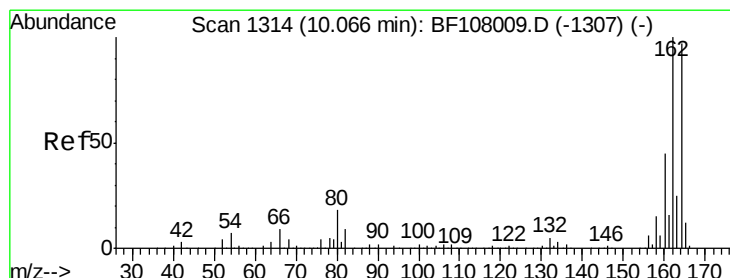
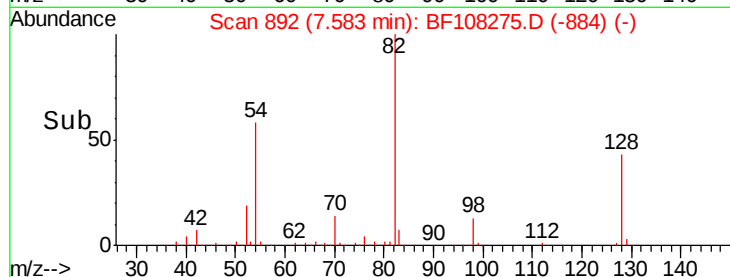
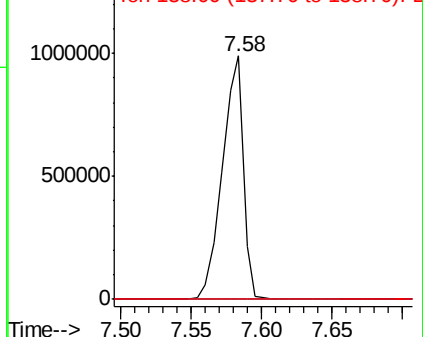
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

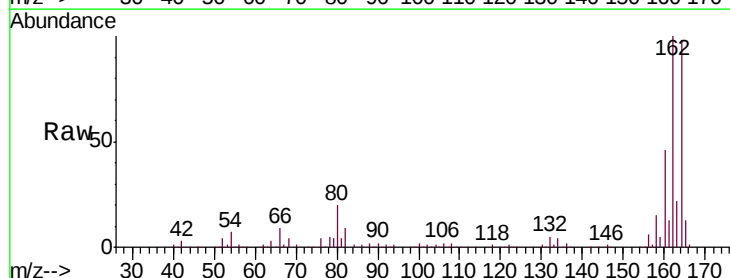
Tgt Ion: 164 Resp: 239104

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

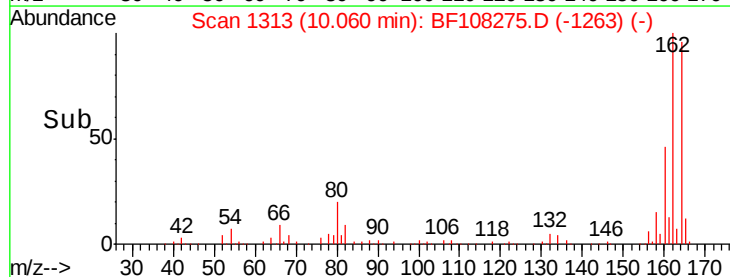
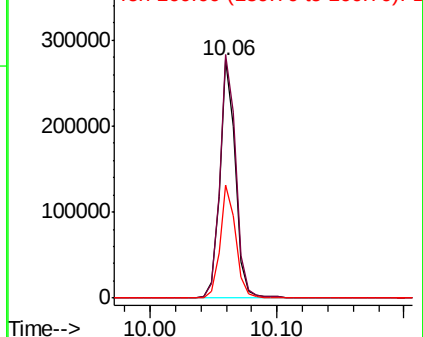
160 47.4 38.3 57.5



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

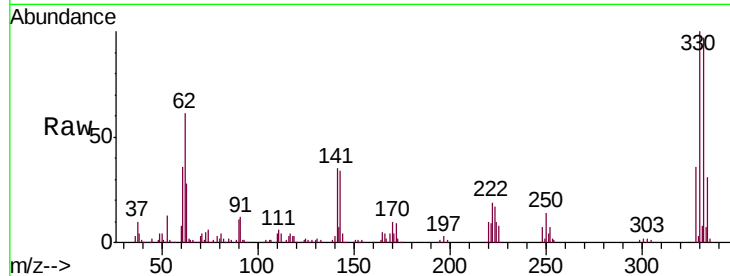




#41
 2,4,6-Tribromophenol
 Concen: 86.377 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Instrument :
 BNA_F
 ClientSampleId :
 081318-DBRI-F-U-S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	32.1	29.9	44.9

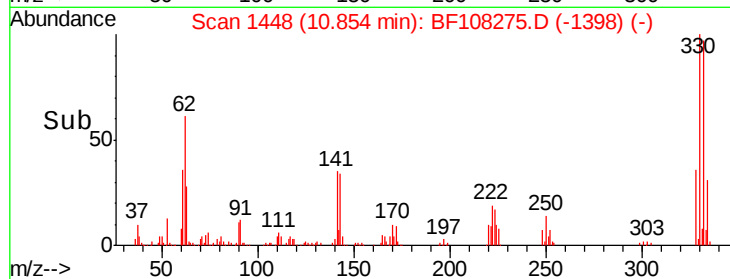
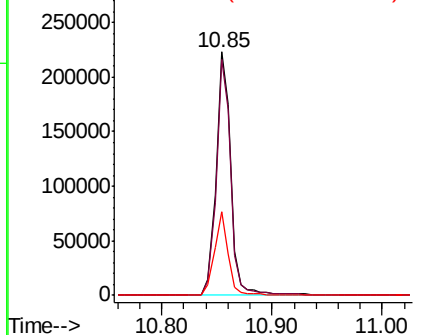


Abundance

Ion 329.80 (329.50 to 330.50): E

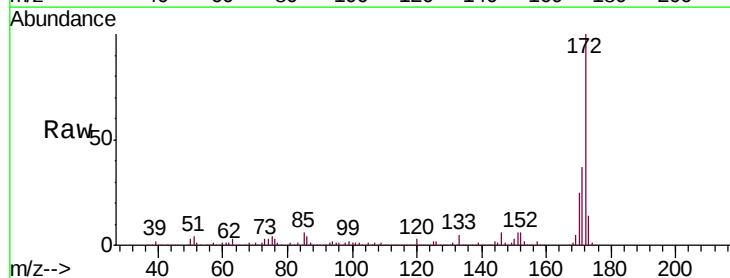
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 120.118 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	25.4	19.6	29.4

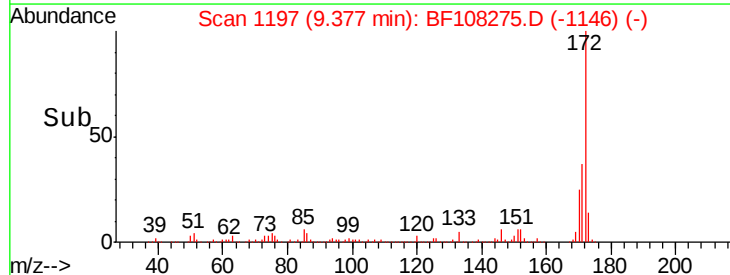
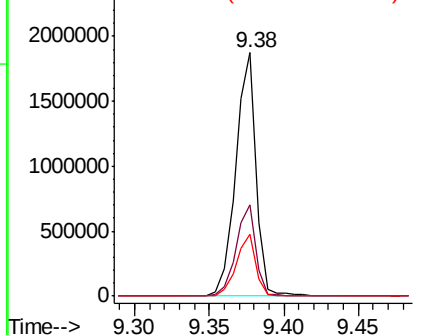


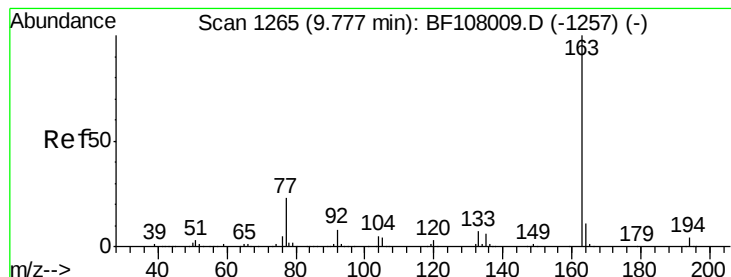
Abundance

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





#49

Dimethylphthalate

Concen: 2.586 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

Instrument :

BNA_F

ClientSampleId :

081318-DBRI-F-U-S

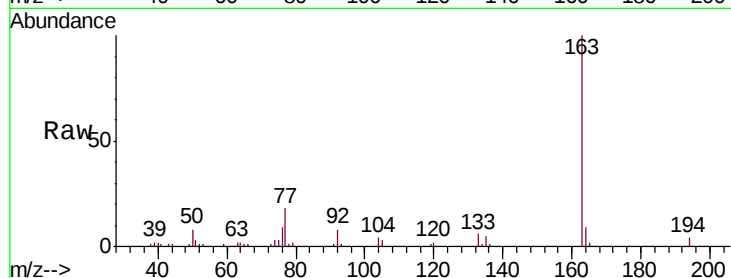
Tgt Ion:163 Resp: 43068

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

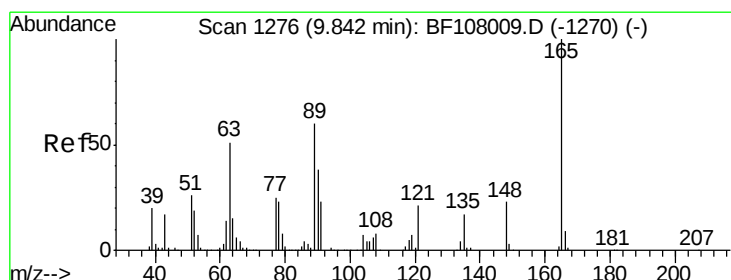
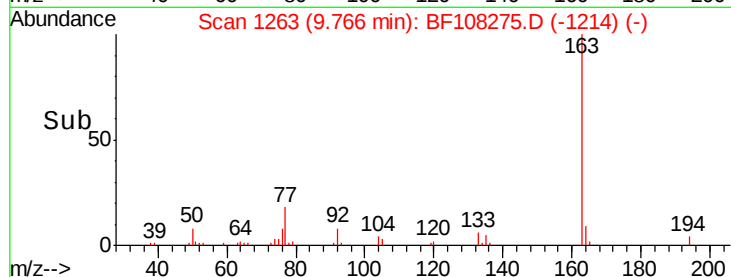
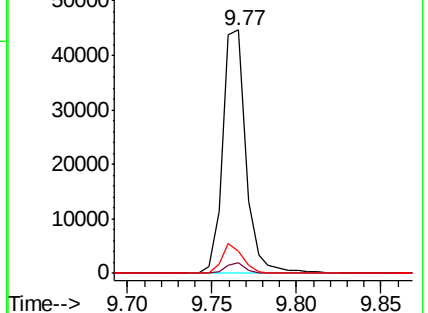
164 9.1 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.653 ng

RT: 10.06 min Scan# 1313

Delta R.T. 0.22 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

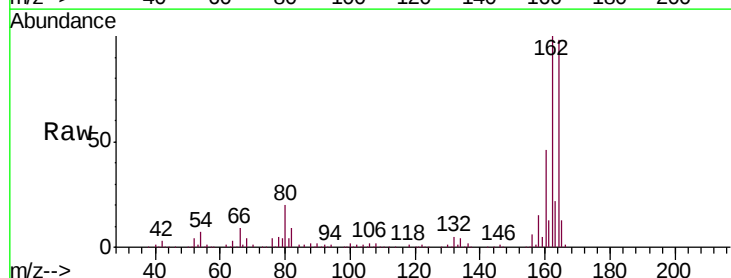
Tgt Ion:165 Resp: 30154

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

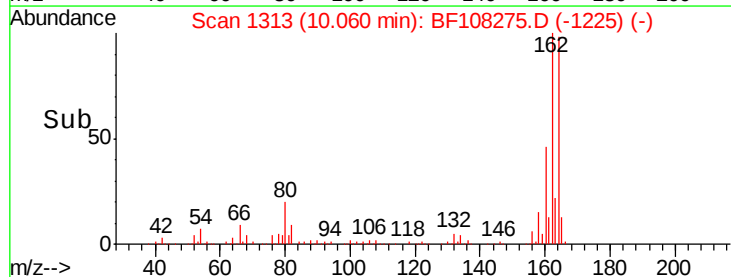
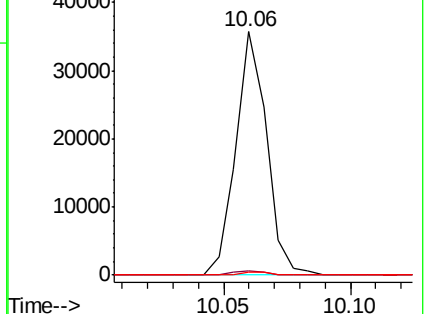
89 1.4 44.0 66.0#



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

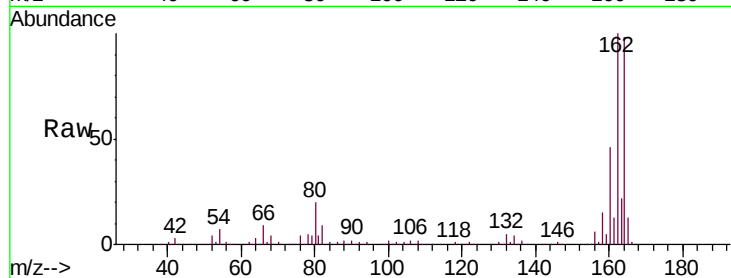




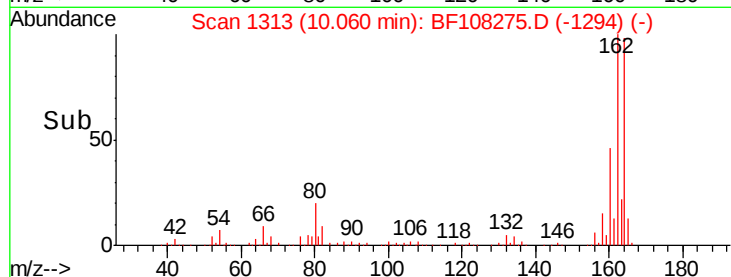
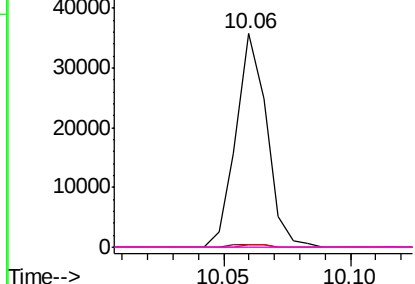
#56
 2,4-Dinitrotoluene
 Concen: 6.723 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Instrument :
 BNA_F
 ClientSampleId :
 081318-DBRI-F-U-S

Tgt Ion:	165	Resp:	30154
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

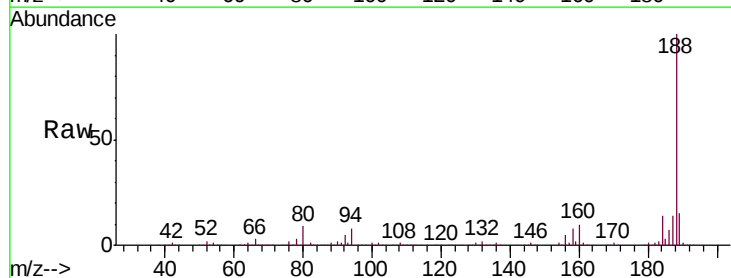


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

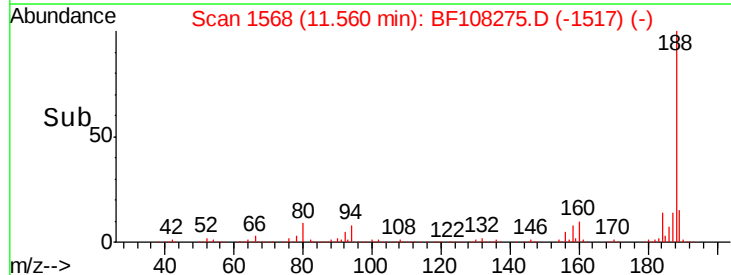
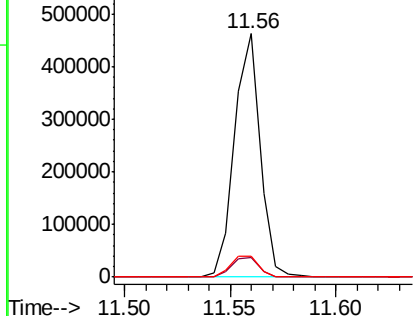


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Tgt Ion:	188	Resp:	387204
Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.6	9.2	13.8#



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

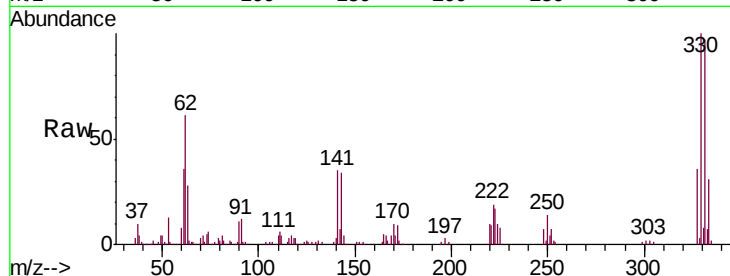




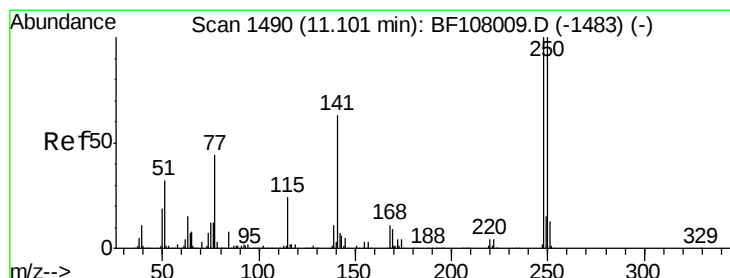
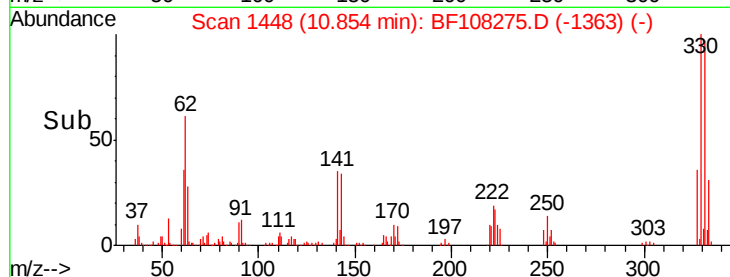
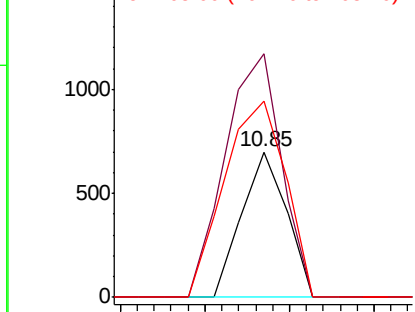
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.674 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Instrument :
 BNA_F
 ClientSampleId :
 081318-DBRI-F-U-S

Tgt Ion:198 Resp: 516
 Ion Ratio Lower Upper
 198 100
 51 167.3 37.7 77.7#
 105 134.9 36.3 76.3#

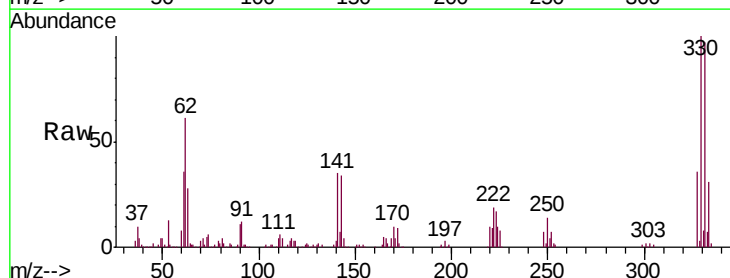


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

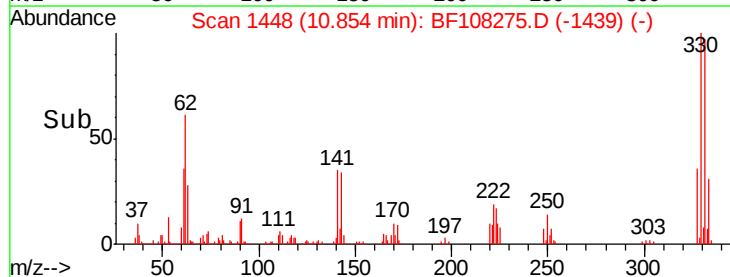
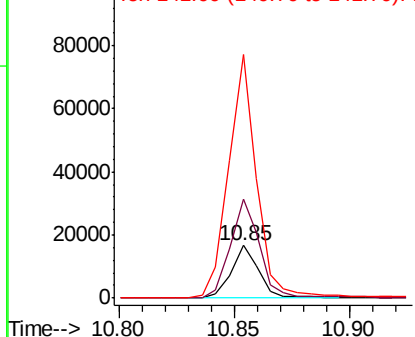


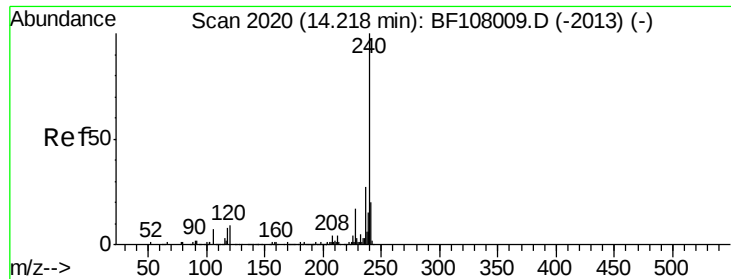
#66
 4-Bromophenyl-phenylether
 Concen: 3.232 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108275.D
 Acq: 18 Aug 2018 6:26

Tgt Ion:248 Resp: 13599
 Ion Ratio Lower Upper
 248 100
 250 188.7 76.9 115.3#
 141 465.1 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

Instrument :

BNA_F

ClientSampleId :

081318-DBRI-F-U-S

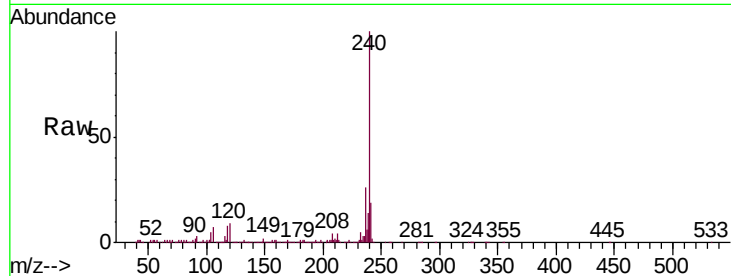
Tgt Ion:240 Resp: 366638

Ion Ratio Lower Upper

240 100

120 9.3 9.5 14.3#

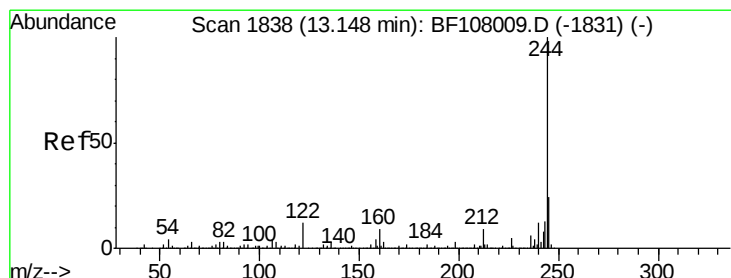
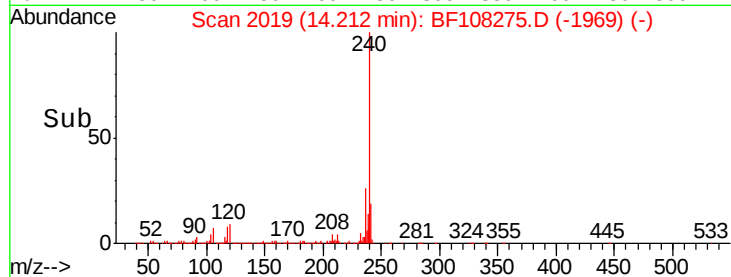
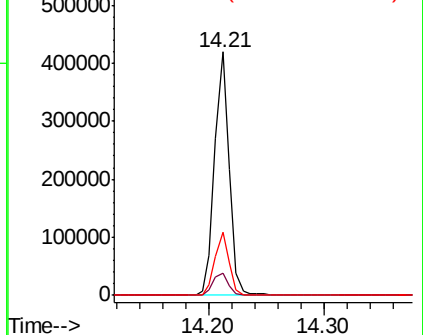
236 26.1 20.7 31.1



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



#78

Terphenyl-d14

Concen: 95.272 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108275.D

Acq: 18 Aug 2018 6:26

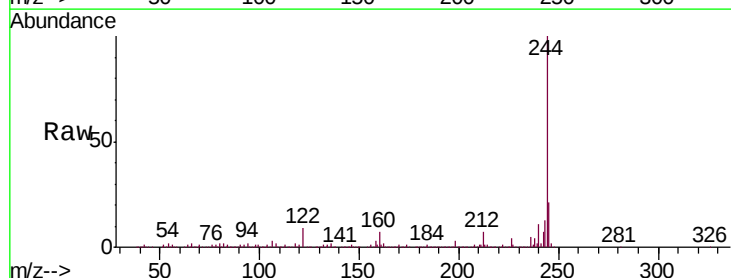
Tgt Ion:244 Resp: 1373818

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

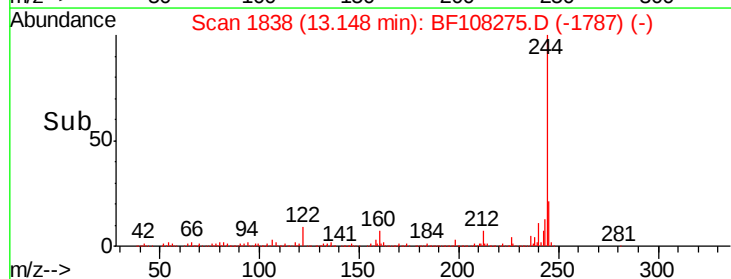
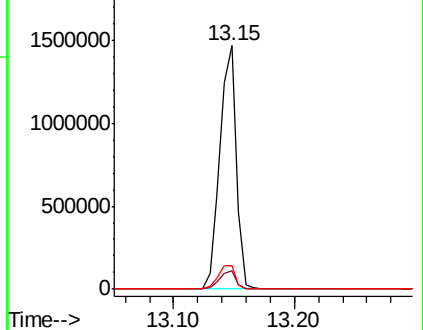
122 9.4 11.0 16.4#

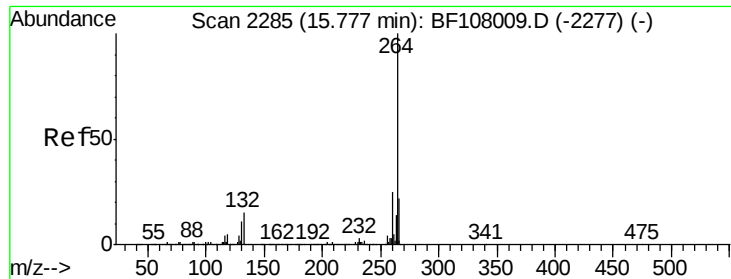


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF108275.D
Acq: 18 Aug 2018 6:26

Instrument :
BNA_F
ClientSampleId :
081318-DBRI-F-U-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	20.8	17.5	26.3

