

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082418\
 Data File : BF108472.D
 Acq On : 24 Aug 2018 19:20
 Operator : JU/SJ
 Sample : J4581-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-B4

Quant Time: Aug 25 00:29:35 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 22 11:01:45 2018
 Response via : Initial Calibration

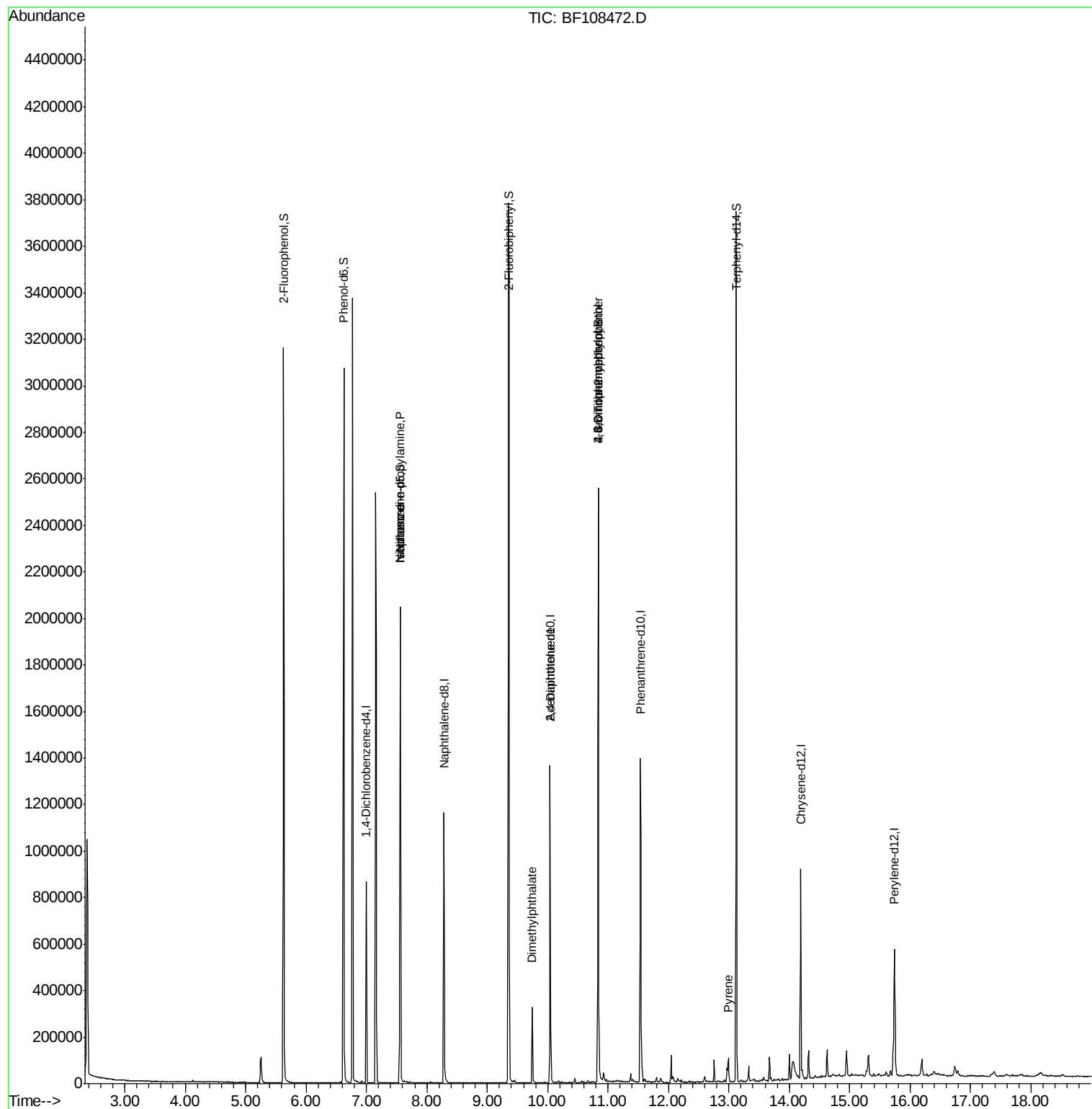
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	133715	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	512712	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	263469	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	502953	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	283876	20.00	ng	-0.01
86) Perylene-d12	15.74	264	279628	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	791750	107.20	ng	0.00
7) Phenol-d6	6.62	99	1065037	108.52	ng	0.00
23) Nitrobenzene-d5	7.56	82	717223	78.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	315935	120.22	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	1273636	77.61	ng	-0.01
78) Terphenyl-d14	13.12	244	1225689	109.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	95600	14.404	ng	# 84
25) Isophorone	7.56	82	717211	40.953	ng	# 64
49) Dimethylphthalate	9.75	163	144801	7.890	ng	# 99
56) 2,4-Dinitrotoluene	10.04	165	32893	6.655	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	633	5.656	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	20914	3.826	ng	# 1
77) Pyrene	12.99	202	37069	2.063	ng	98

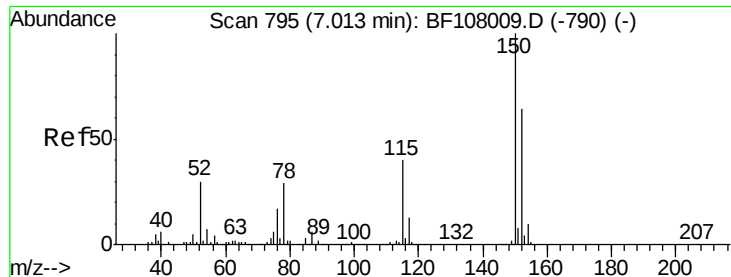
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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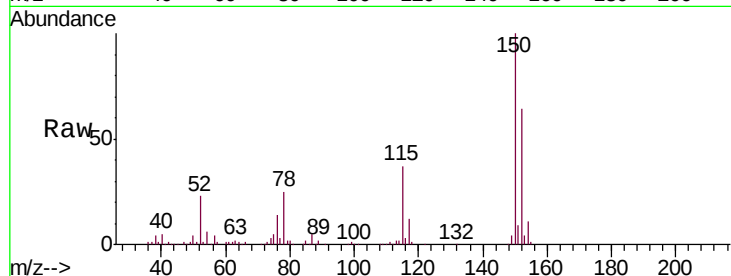


#1

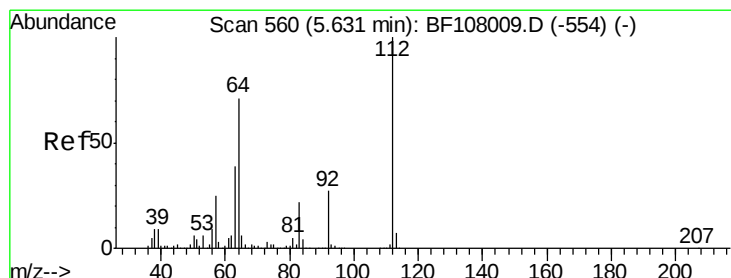
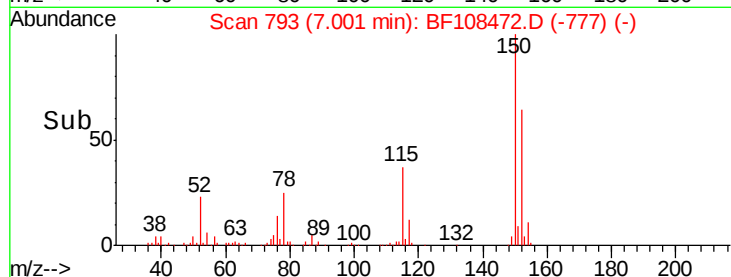
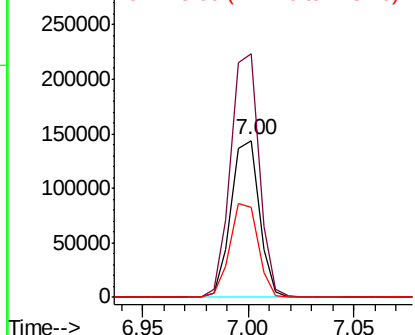
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108472.D
Acq: 24 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-B4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	57.5	50.1	75.1



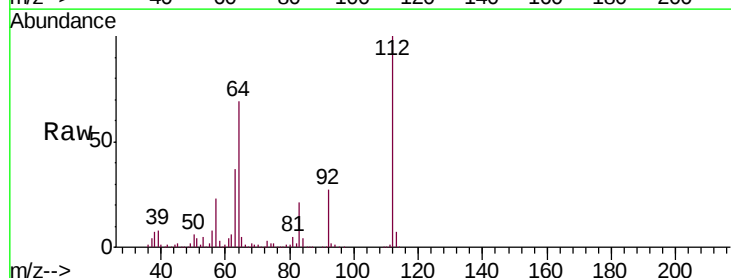
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



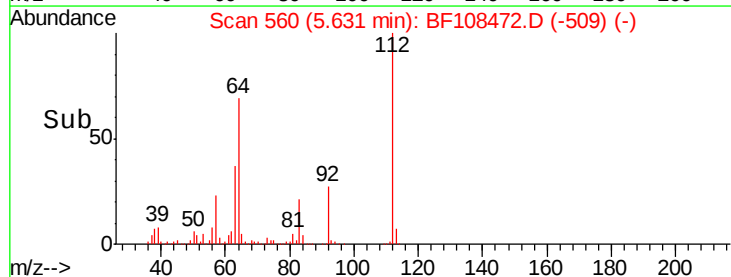
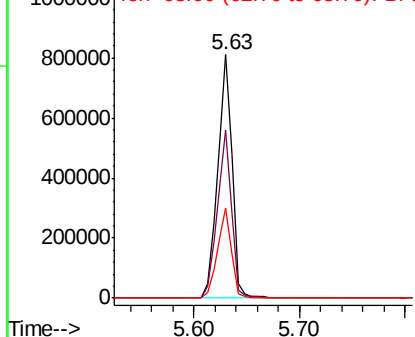
#5

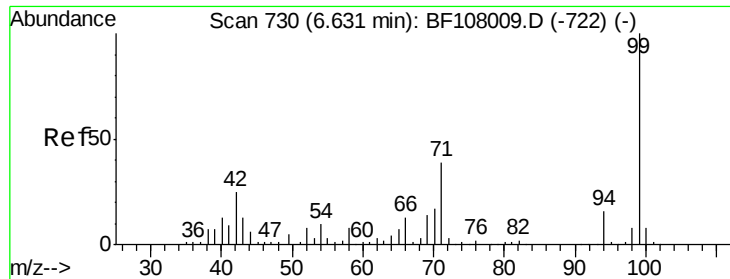
2-Fluorophenol
Concen: 107.200 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108472.D
Acq: 24 Aug 2018 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	36.8	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: 108.515 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-B4

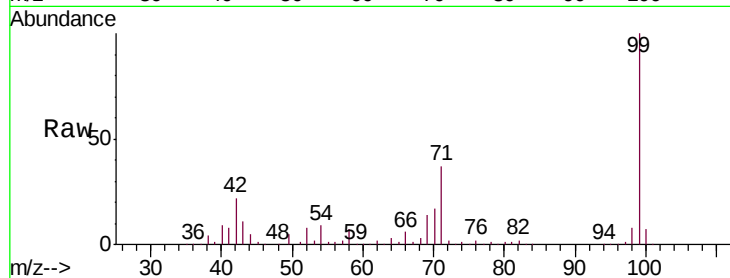
Tgt Ion: 99 Resp: 1065037

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

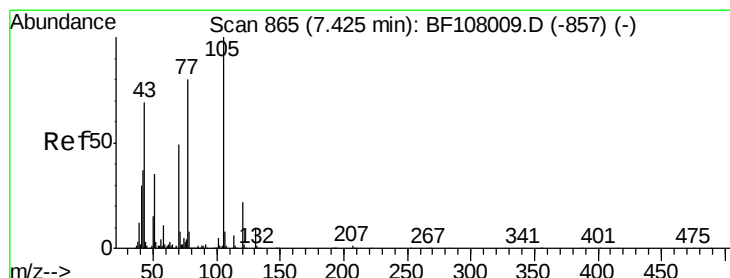
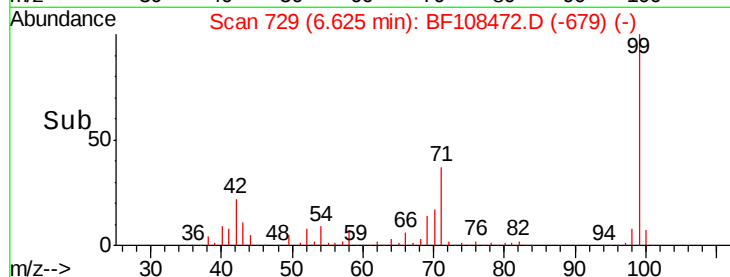
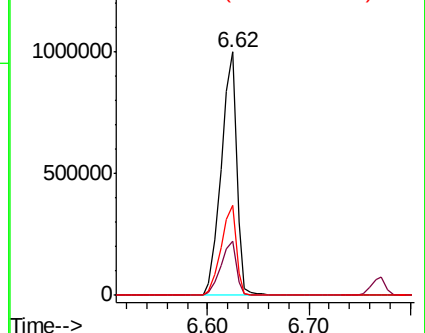
71 36.9 25.4 38.0



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: 14.404 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Tgt Ion: 70 Resp: 95600

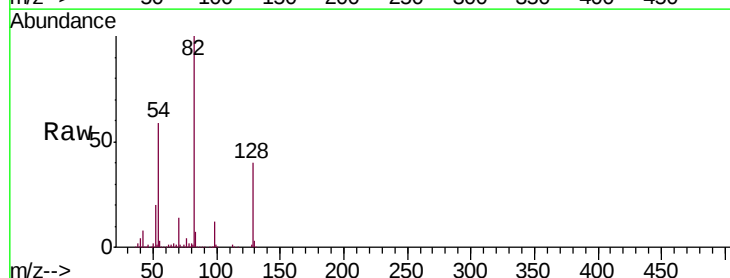
Ion Ratio Lower Upper

70 100

42 55.1 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

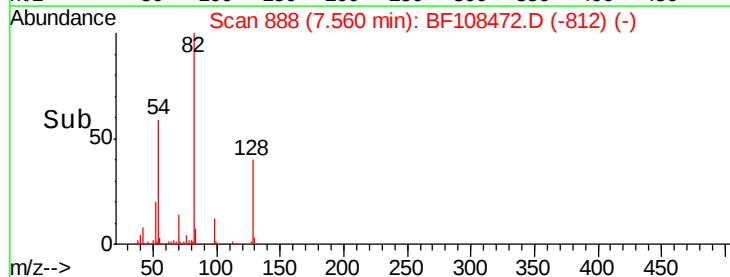
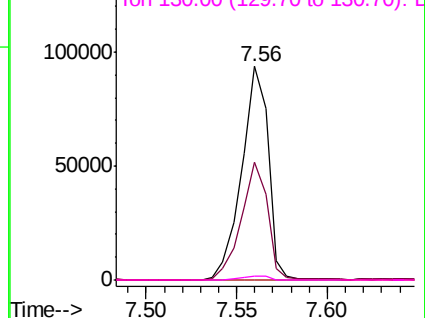


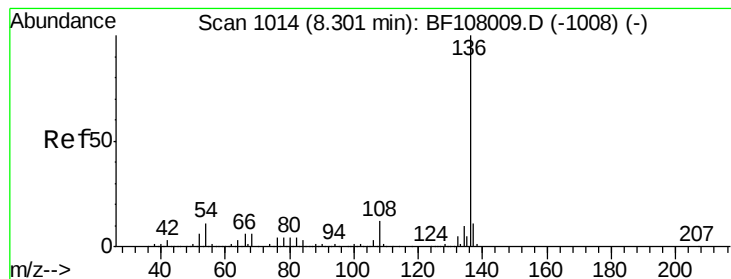
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-B4

Tgt Ion: 136 Resp: 512712

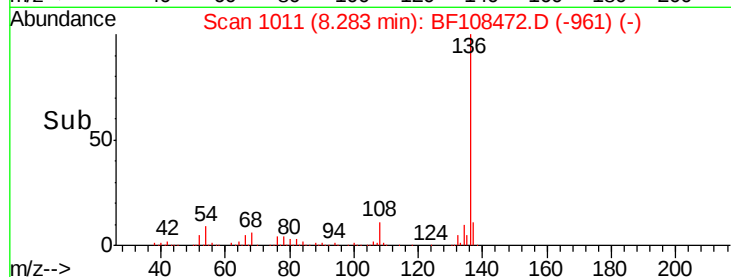
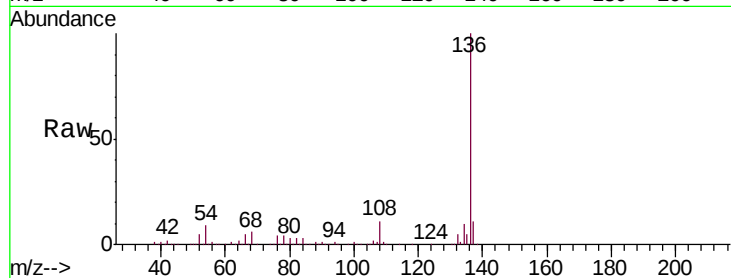
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.2 6.6 9.8

68 5.8 5.0 7.4

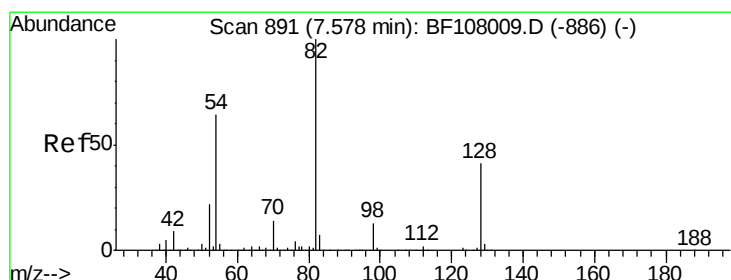
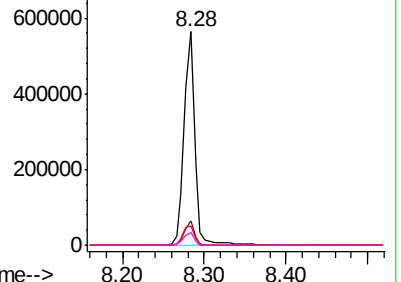


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.060 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

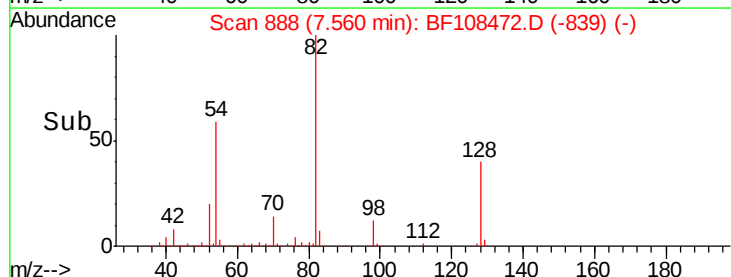
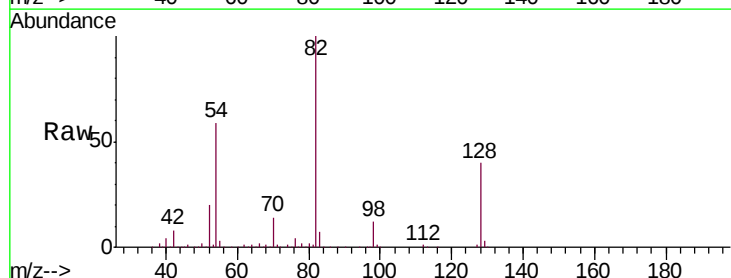
Tgt Ion: 82 Resp: 717223

Ion Ratio Lower Upper

82 100

128 40.4 36.1 54.1

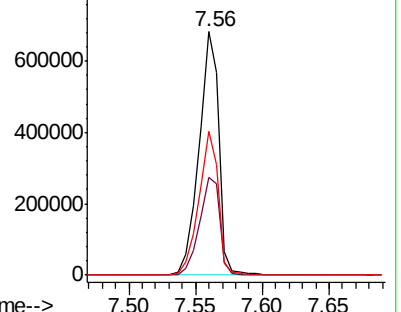
54 58.9 41.4 62.2

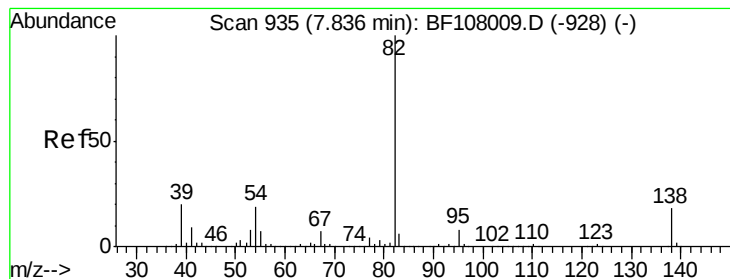


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.953 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

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BNA_F

ClientSampleId :

EP1-Q3-B4

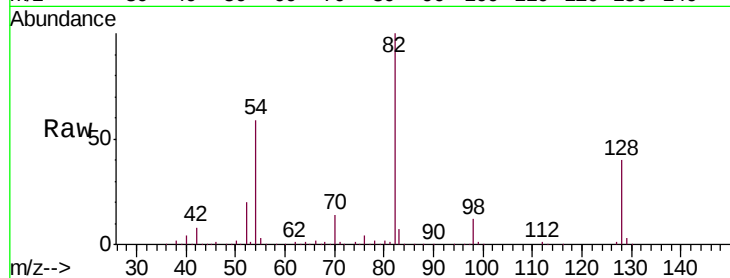
Tgt Ion: 82 Resp: 717211

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

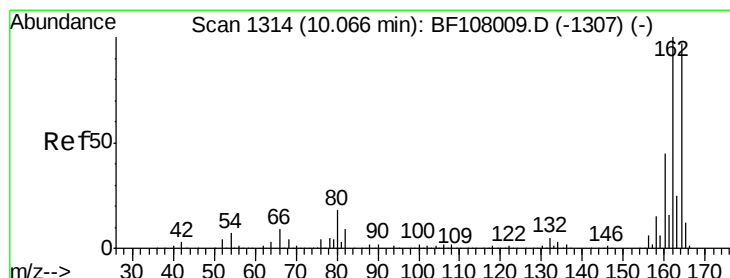
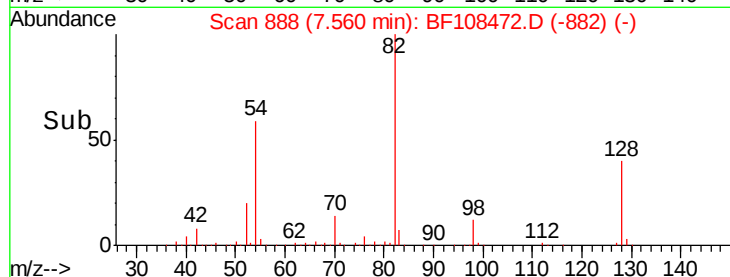
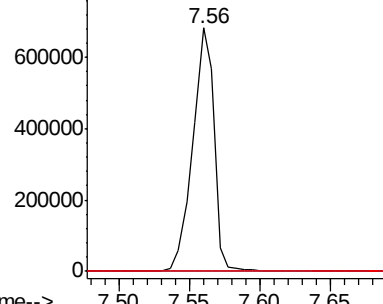
138 0.0 14.9 22.3#



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

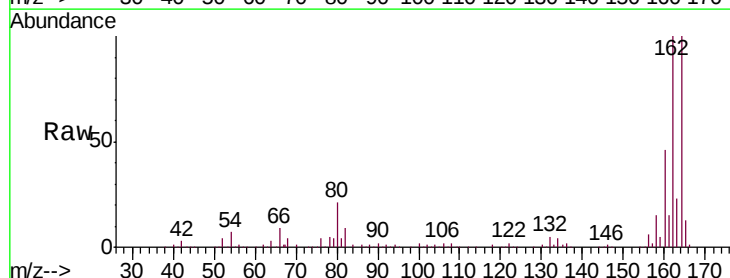
Tgt Ion: 164 Resp: 263469

Ion Ratio Lower Upper

164 100

162 99.6 86.1 129.1

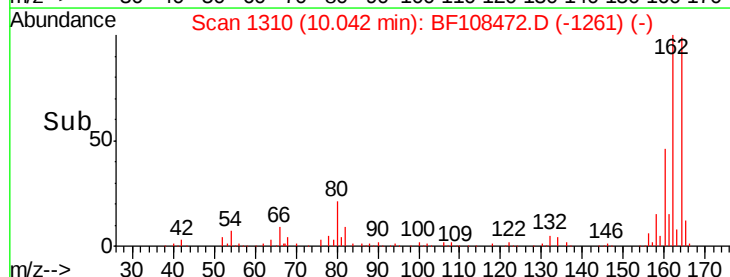
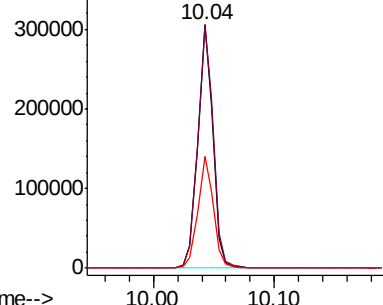
160 45.9 38.3 57.5

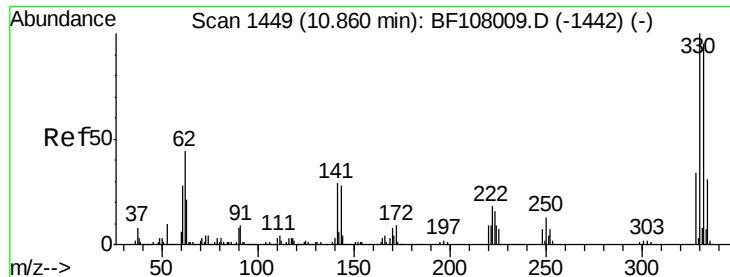


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

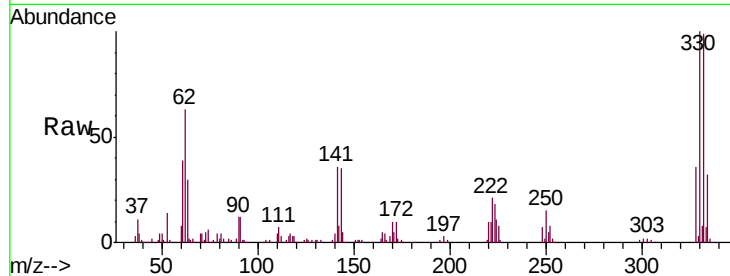




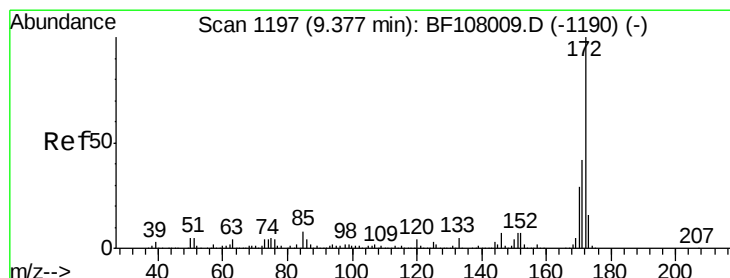
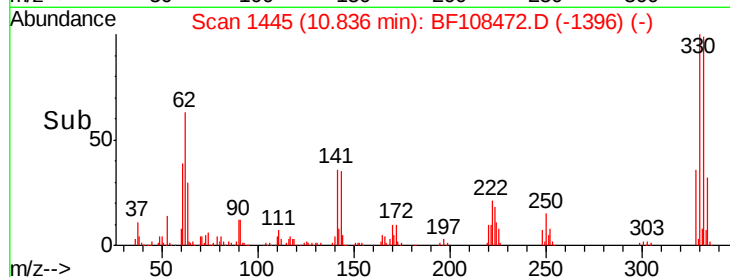
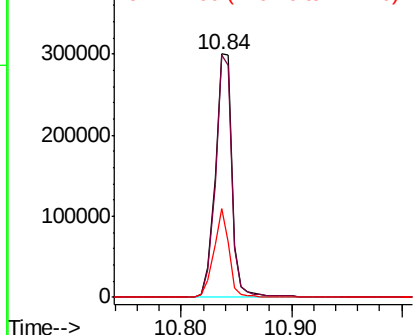
#41
 2,4,6-Tribromophenol
 Concen: 120.217 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-B4

Tgt Ion:330 Resp: 315935
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 32.7 29.9 44.9

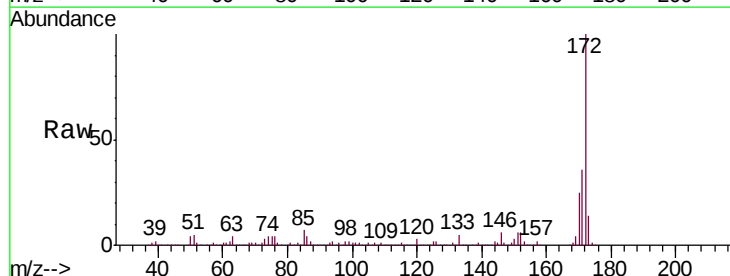


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

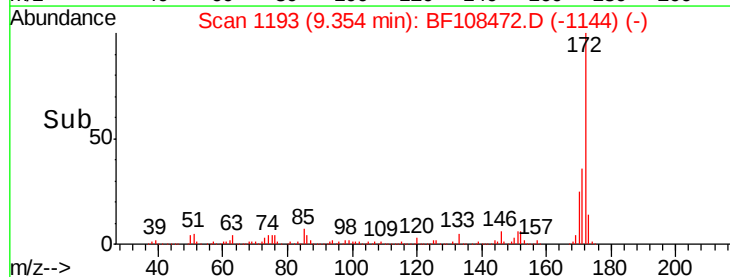
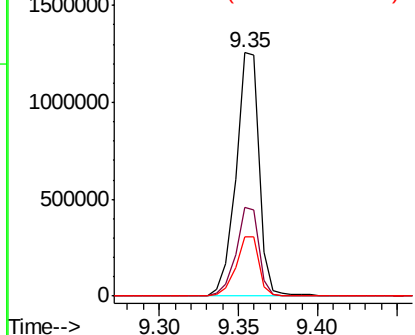


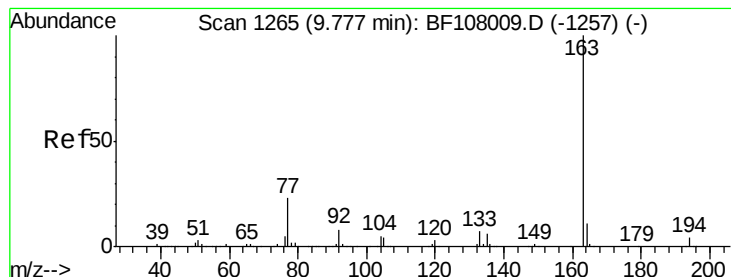
#44
 2-Fluorobiphenyl
 Concen: 77.610 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

Tgt Ion:172 Resp: 1273636
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.6 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: 7.890 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-B4

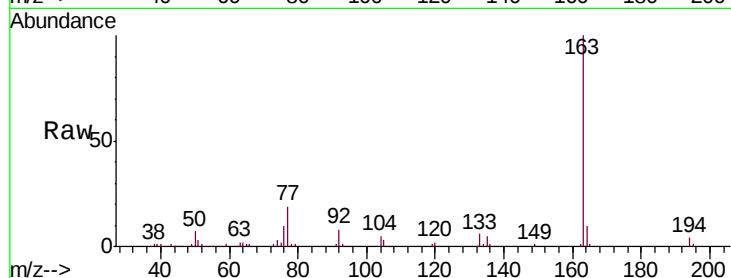
Tgt Ion:163 Resp: 144801

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

200000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

150000

100000

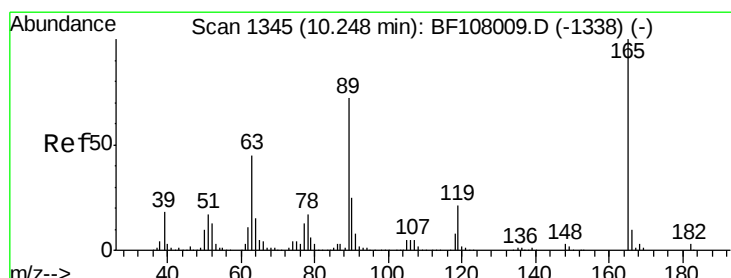
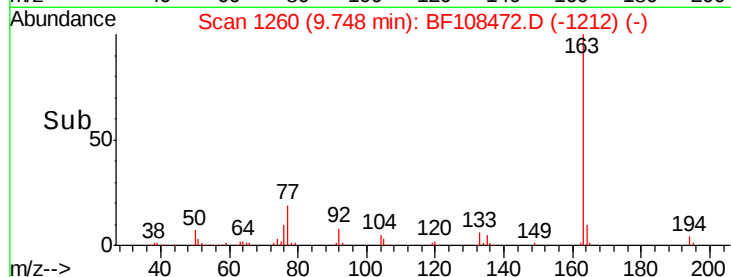
50000

0

9.75

9.70 9.75 9.80 9.85

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.655 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Tgt Ion:165 Resp: 32893

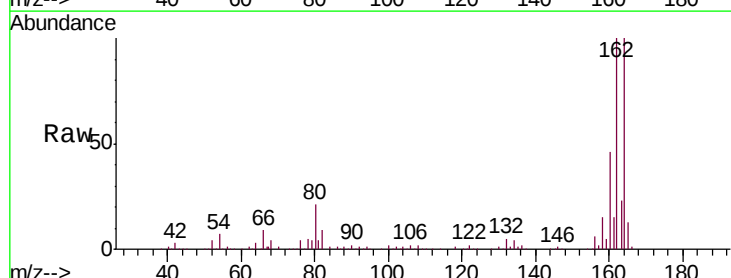
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E

60000 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

50000

40000

30000

20000

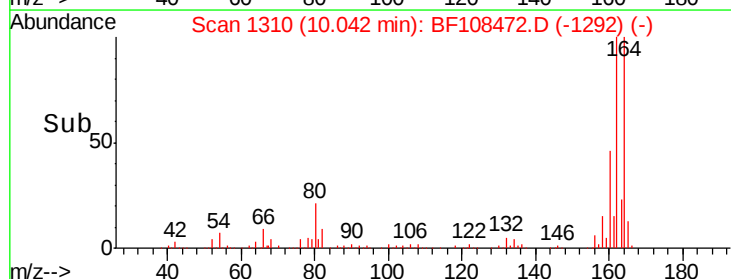
10000

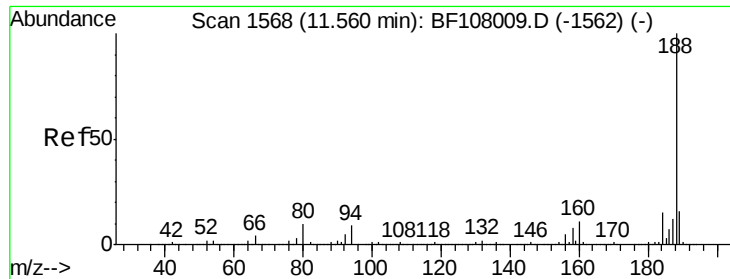
0

10.04

10.00 10.05 10.10

Time-->

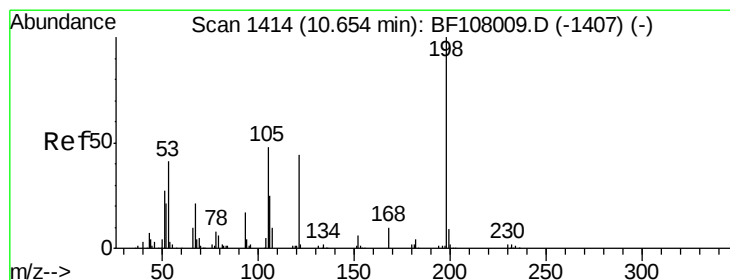
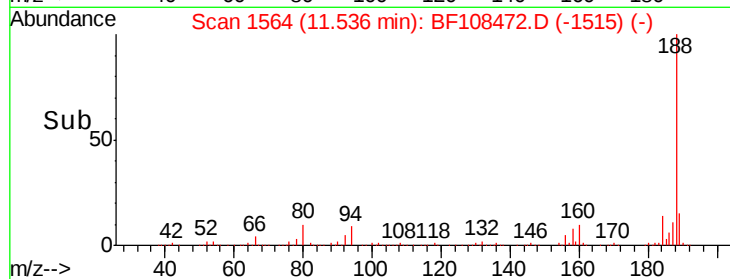
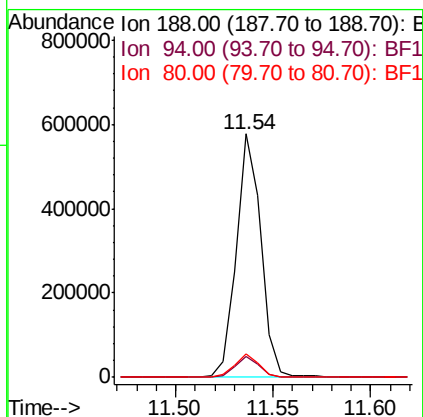
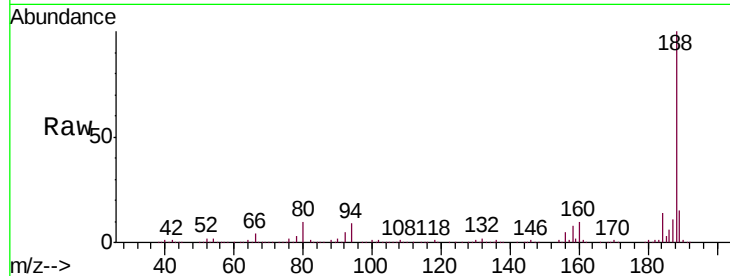




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

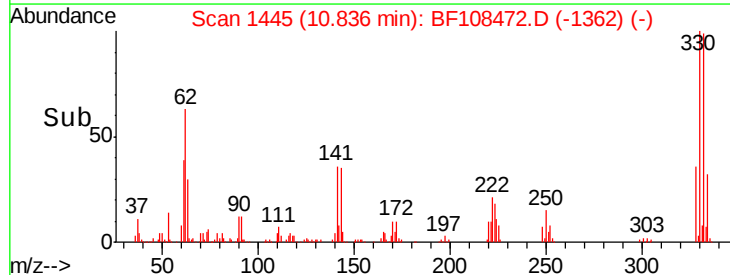
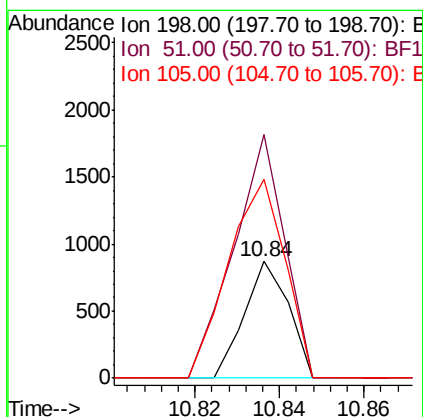
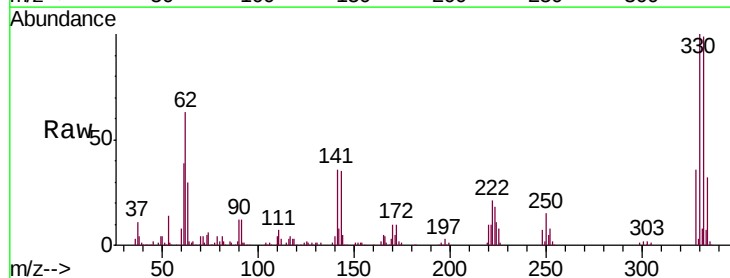
Instrument :
 BNA_F
 ClientSampleId :
 EP1-Q3-B4

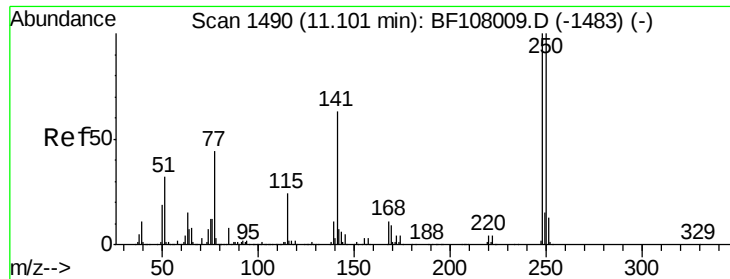
Tgt Ion:	188	Resp:	502953
Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.7	9.2	13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.656 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

Tgt Ion:	198	Resp:	633
Ion	Ratio	Lower	Upper
198	100		
51	208.9	37.7	77.7#
105	170.8	36.3	76.3#

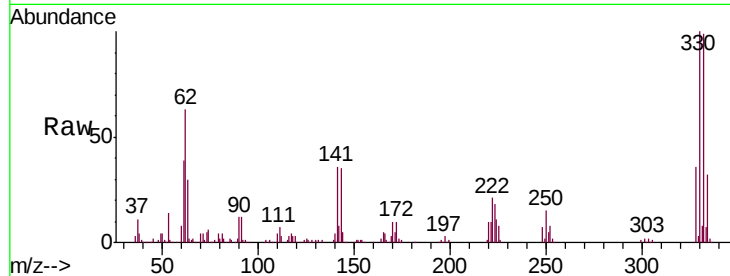




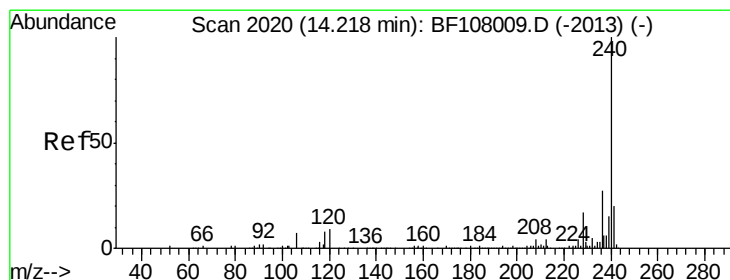
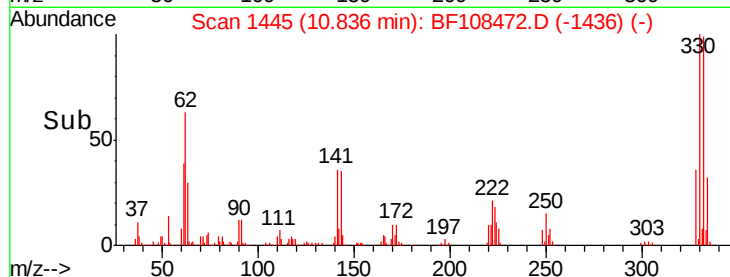
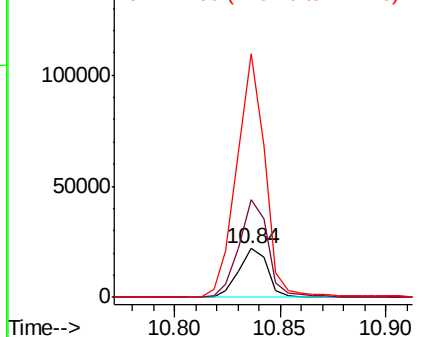
#66
 4-Bromophenyl-phenylether
 Concen: 3.826 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

Instrument :
 BNA_F
 ClientSampled :
 EP1-Q3-B4

Tgt Ion:248 Resp: 20914
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.9 115.3#
 141 502.2 74.4 111.6#

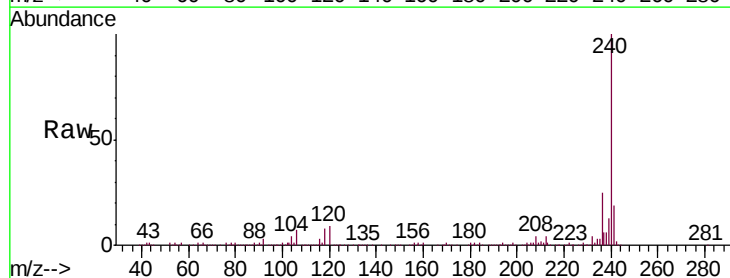


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

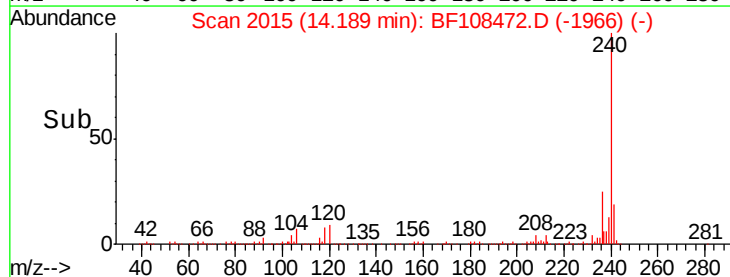
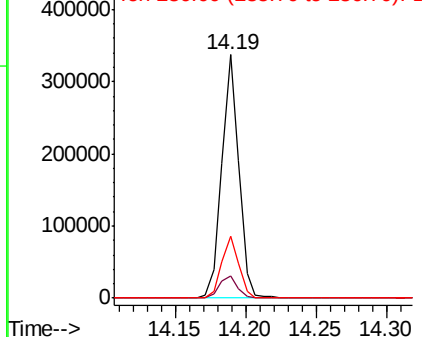


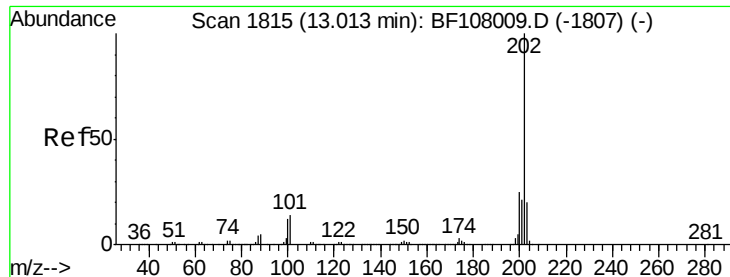
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108472.D
 Acq: 24 Aug 2018 19:20

Tgt Ion:240 Resp: 283876
 Ion Ratio Lower Upper
 240 100
 120 9.1 9.5 14.3#
 236 25.4 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





#77

Pyrene

Concen: 2.063 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

Instrument :

BNA_F

ClientSampleId :

EP1-Q3-B4

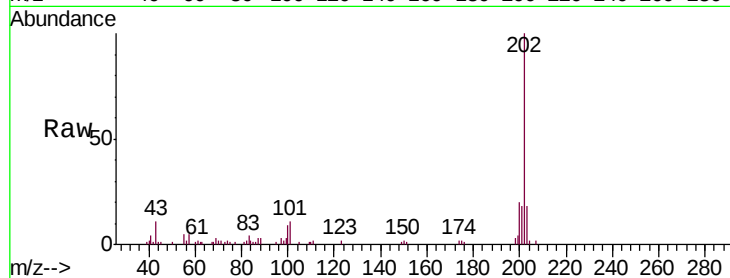
Tgt Ion:202 Resp: 37069

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

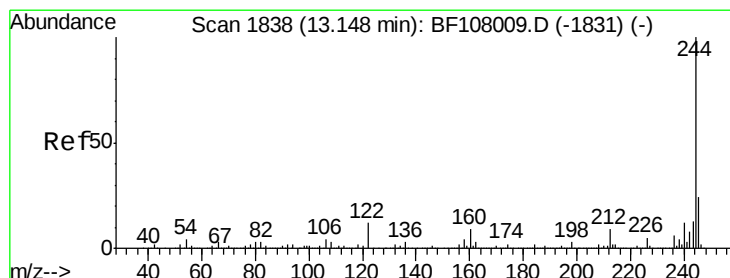
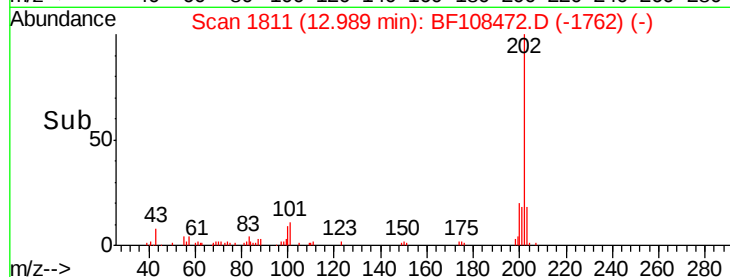
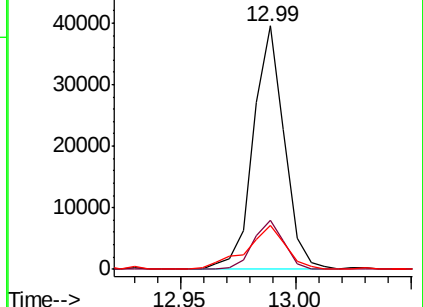
203 17.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 109.780 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108472.D

Acq: 24 Aug 2018 19:20

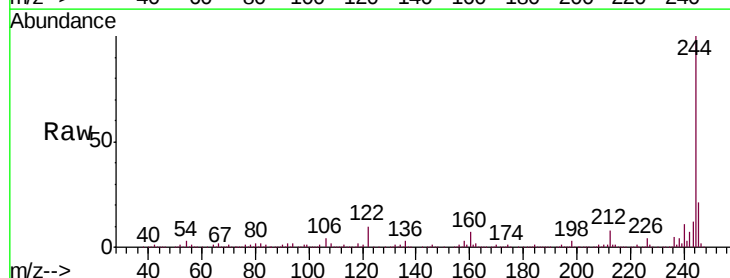
Tgt Ion:244 Resp: 1225689

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

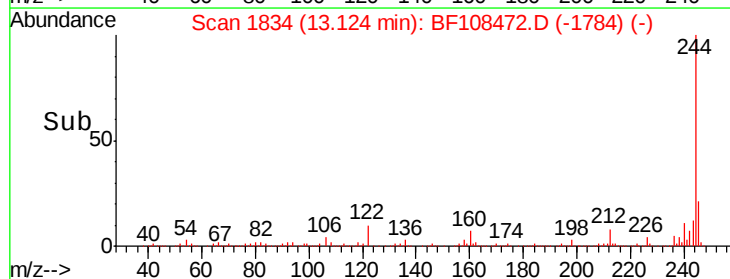
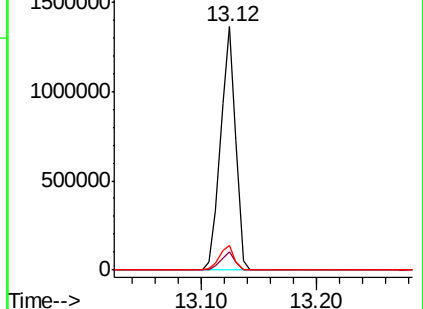
122 10.2 11.0 16.4#

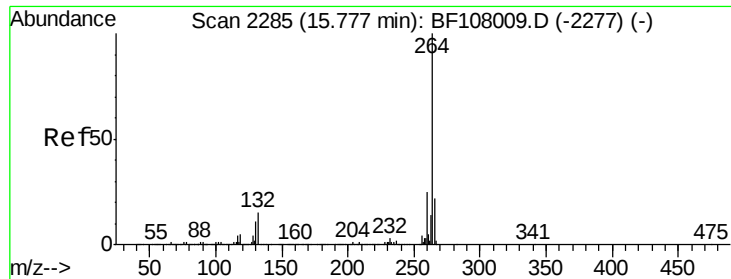


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.74 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF108472.D
Acq: 24 Aug 2018 19:20

Instrument :
BNA_F
ClientSampleId :
EP1-Q3-B4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.1	17.5	26.3

