

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098712.D
 Acq On : 22 Sep 2017 22:42
 Operator : SJ/JU
 Sample : I5304-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2P-ENV-117-2(0-5)

Quant Time: Sep 23 01:31:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 10:38:37 2017
 Response via : Initial Calibration

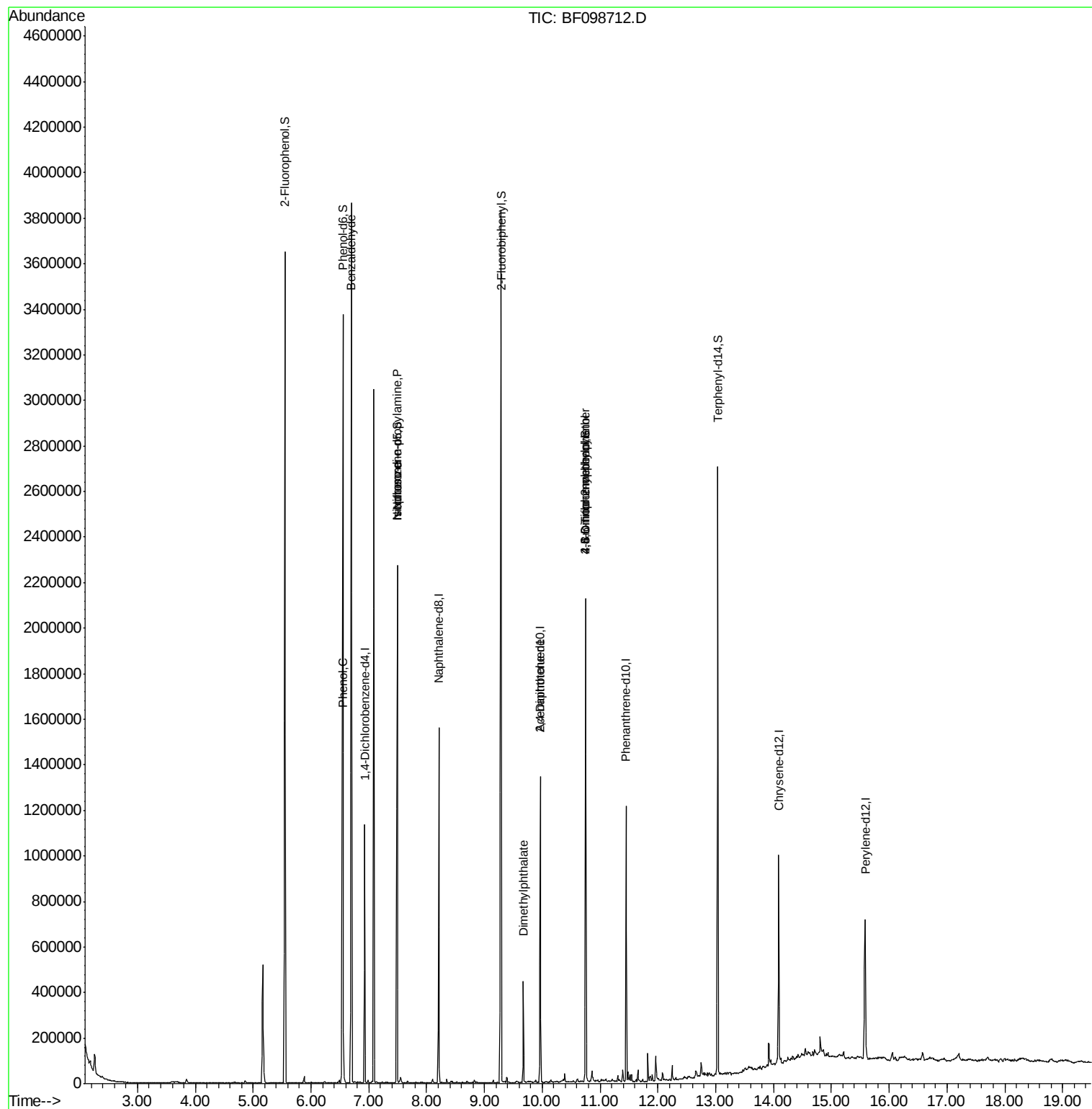
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	151630	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	625486	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	257677	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	359070	20.00	ng	0.00
75) Chrysene-d12	14.09	240	307737	20.00	ng	0.00
86) Perylene-d12	15.59	264	287988	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1092083	109.37	ng	0.01
7) Phenol-d6	6.55	99	1334695	110.38	ng	0.00
23) Nitrobenzene-d5	7.49	82	788317	85.49	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	241749	102.59	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	1169165	72.20	ng	0.00
78) Terphenyl-d14	13.03	244	796536	55.58	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.70	77	22746	3.35	ng	86
10) Phenol	6.56	94	52046	3.90	ng	93
19) n-Nitroso-di-n-propylamine	7.49	70	103527	13.82	ng	# 78
25) Isophorone	7.49	82	787704	39.17	ng	# 64
49) Dimethylphthalate	9.67	163	160077	8.28	ng	100
56) 2,4-Dinitrotoluene	9.96	165	33047	6.45	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.75	198	622	9.23	ng	# 1
66) 4-Bromophenyl-phenylether	10.75	248	15090	4.16	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

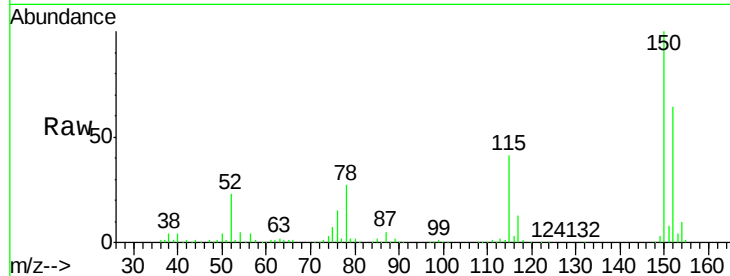
Tot Ion:152 Resp: 151630

Ion Ratio Lower Upper

152 100

150 156.9 124.6 186.8

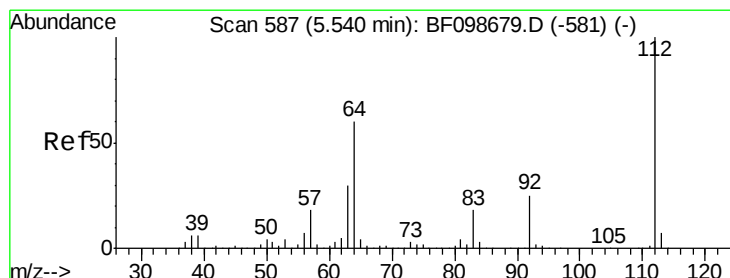
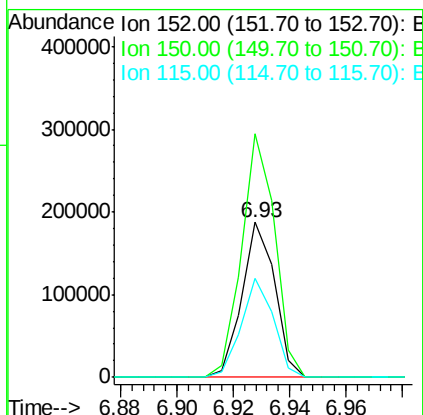
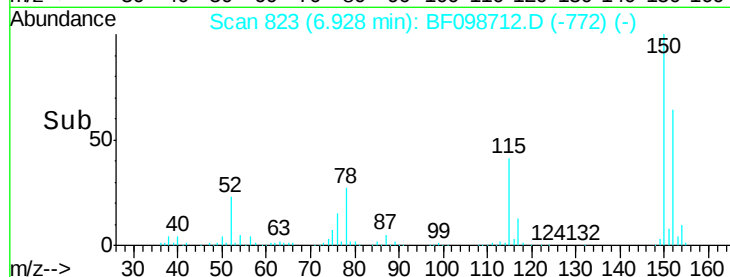
115 63.7 50.1 75.1



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: 109.37 ng

RT: 5.55 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

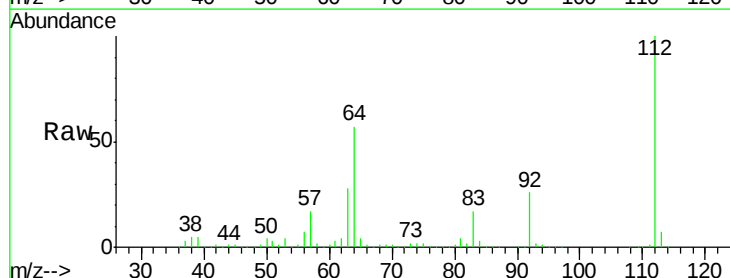
Tgt Ion:112 Resp: 1092083

Ion Ratio Lower Upper

112 100

64 57.5 47.9 71.9

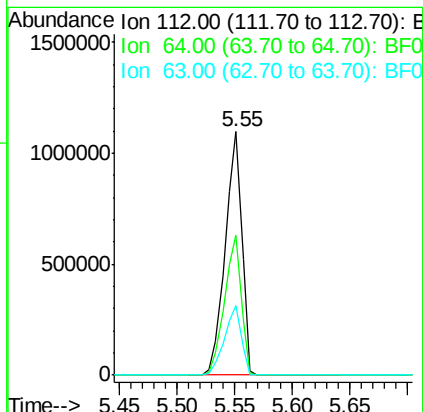
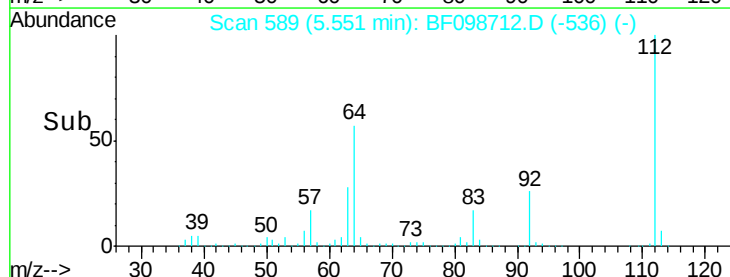
63 28.3 23.7 35.5

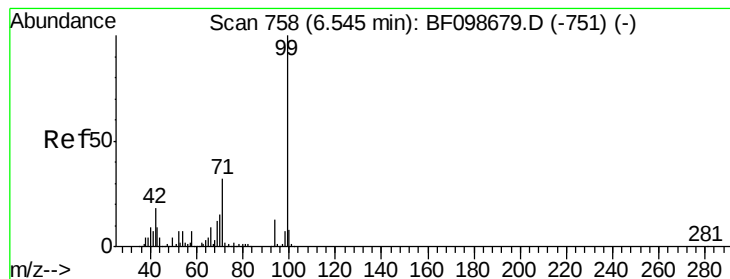


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.38 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

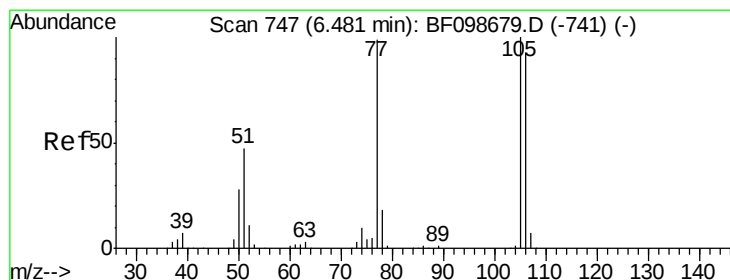
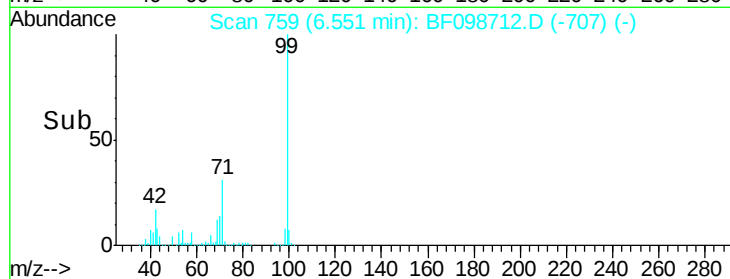
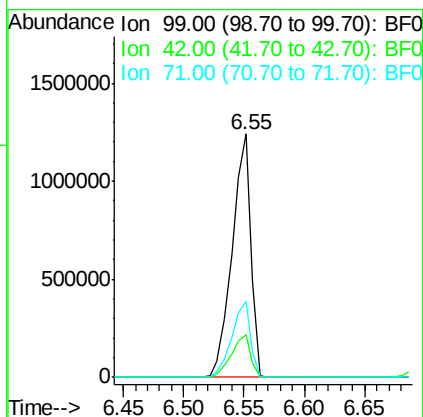
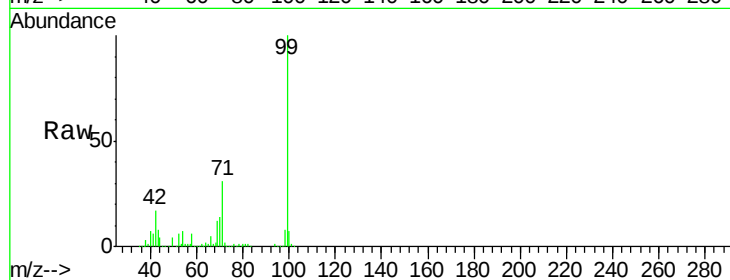
Tot Ion: 99 Resp: 1334695

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 31.3 25.4 38.0



#9

Benzaldehyde

Concen: 3.35 ng

RT: 6.70 min Scan# 784

Delta R.T. 0.22 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

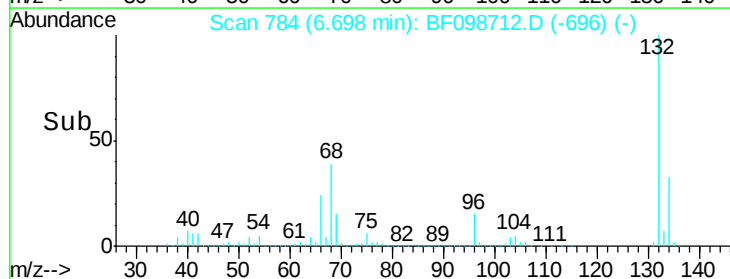
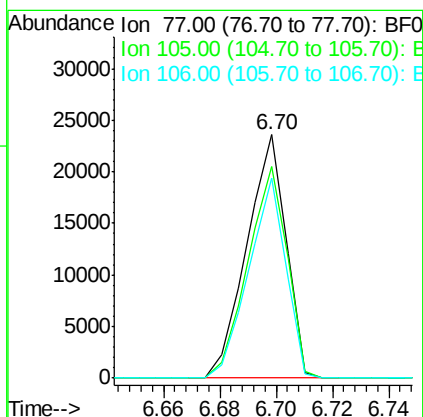
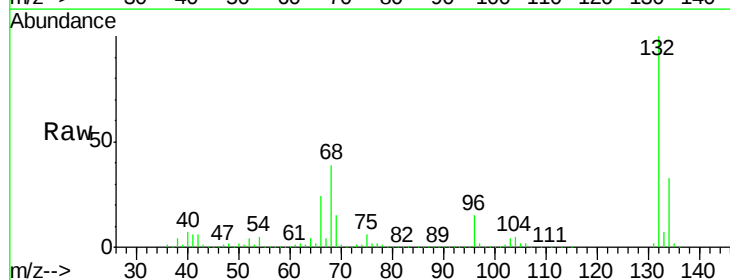
Tgt Ion: 77 Resp: 22746

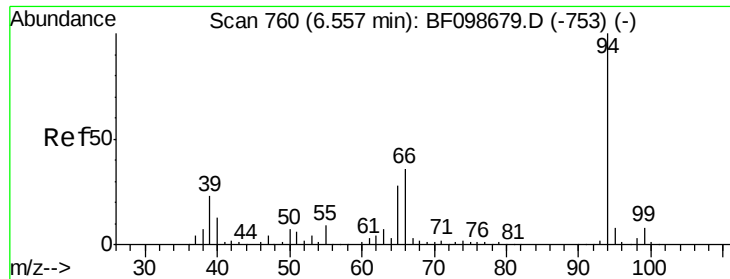
Ion Ratio Lower Upper

77 100

105 86.7 81.1 121.1

106 82.2 74.5 114.5





#10

Phenol

Concen: 3.90 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

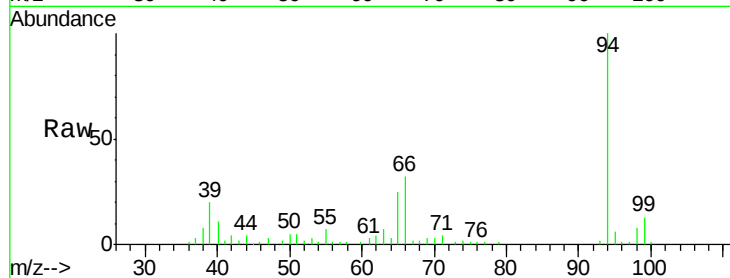
Tot Ion: 94 Resp: 52046

Ion Ratio Lower Upper

94 100

65 24.6 7.9 47.9

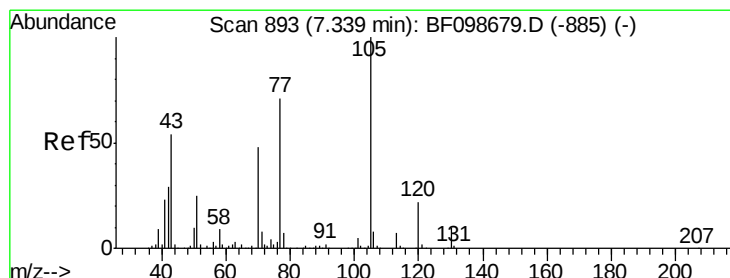
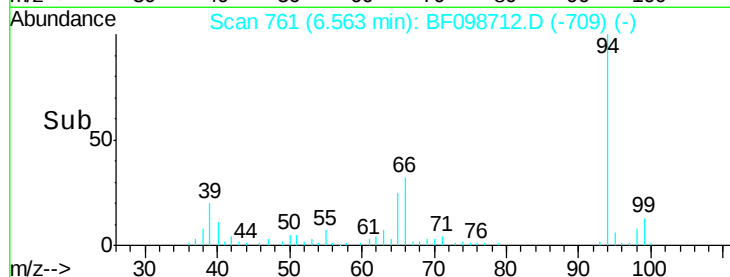
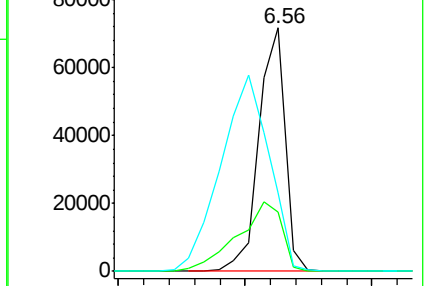
66 32.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.82 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.15 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Tgt Ion: 70 Resp: 103527

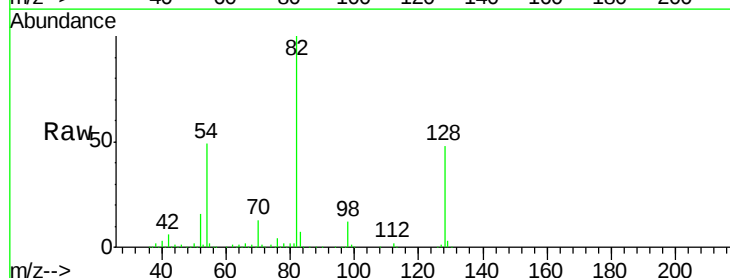
Ion Ratio Lower Upper

70 100

42 48.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

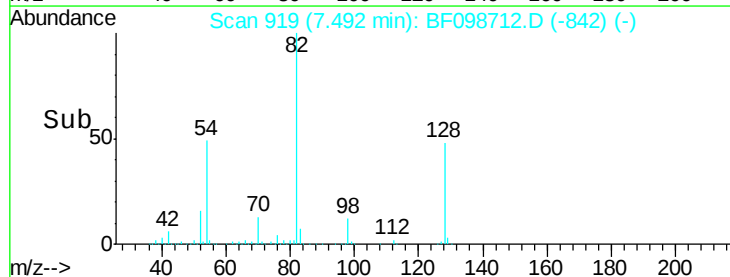
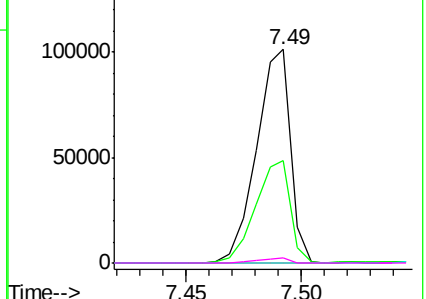


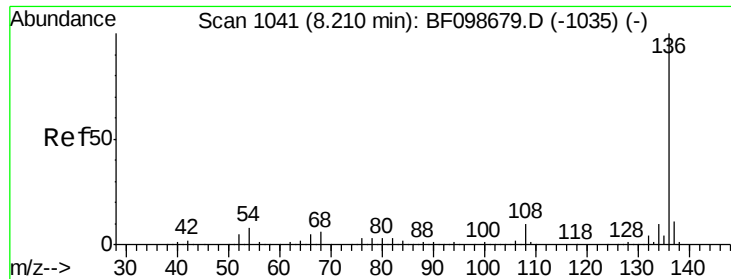
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

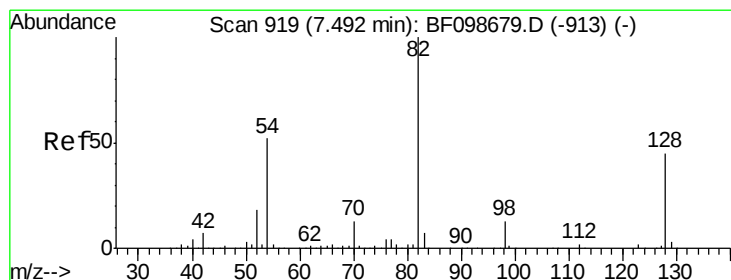
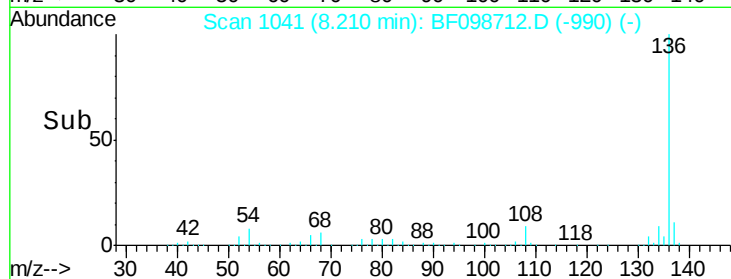
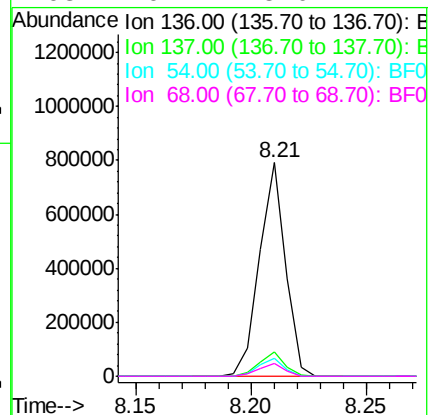
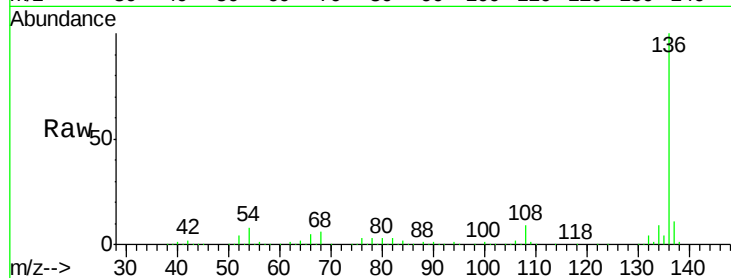




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

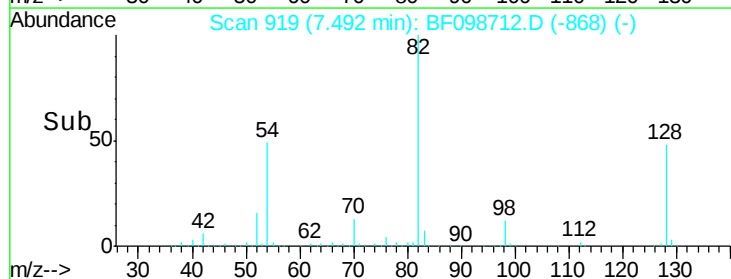
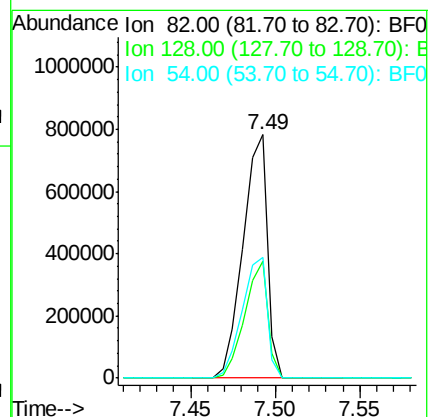
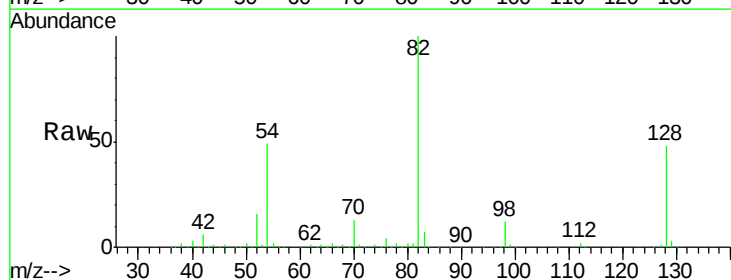
Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-117-2(0-5)

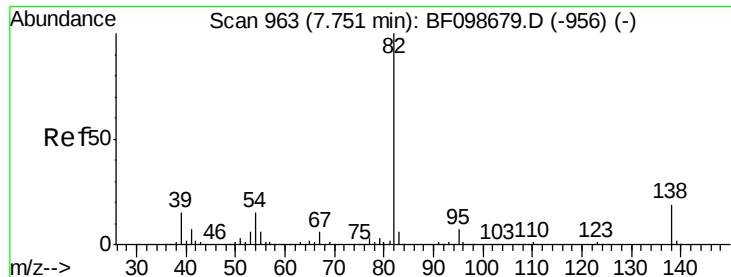
Tot Ion:136	Resp:	625486
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	8.2	6.6 9.8
68	6.1	5.0 7.4



#23
Nitrobenzene-d5
Concen: 85.49 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.00 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

Tgt Ion: 82	Resp:	788317
Ion Ratio	Lower	Upper
82	100	
128	48.0	36.1 54.1
54	49.4	41.4 62.2





#25

Isophorone

Concen: 39.17 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.26 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

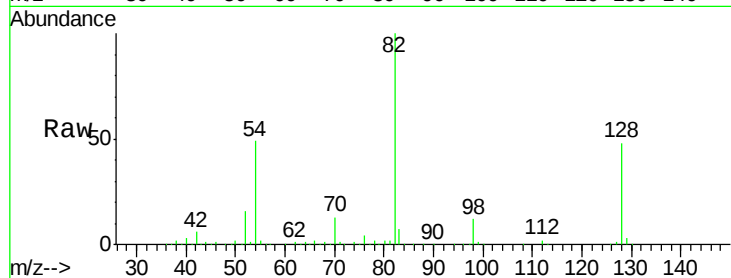
Tot Ion: 82 Resp: 787704

Ion Ratio Lower Upper

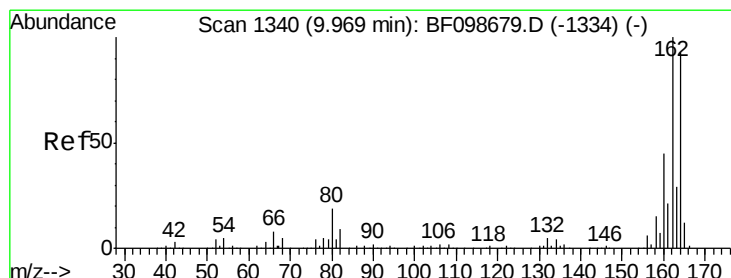
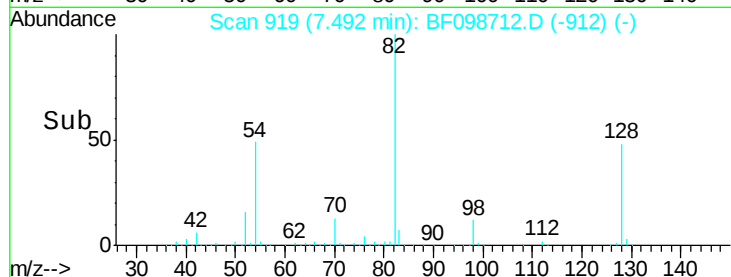
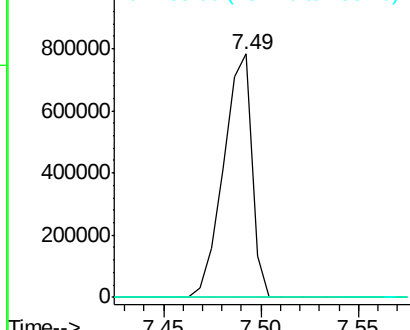
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

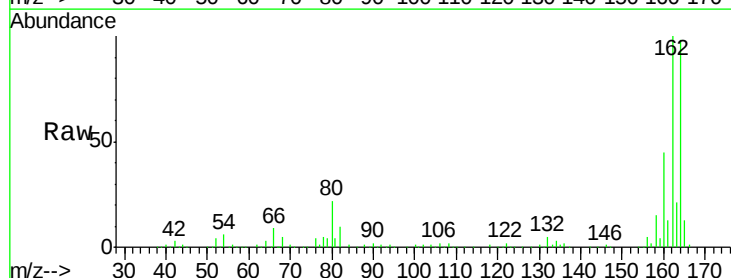
Tgt Ion: 164 Resp: 257677

Ion Ratio Lower Upper

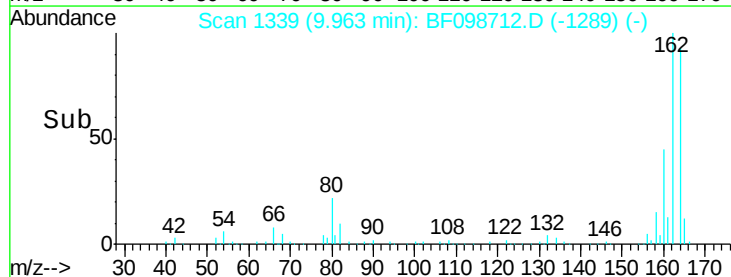
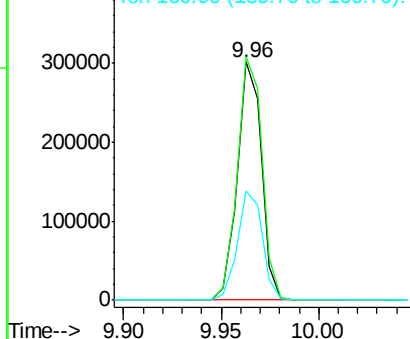
164 100

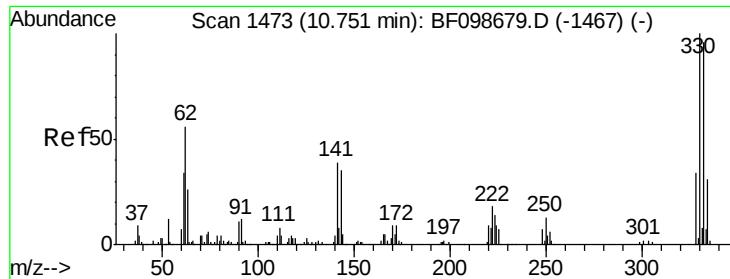
162 102.3 86.1 129.1

160 45.8 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

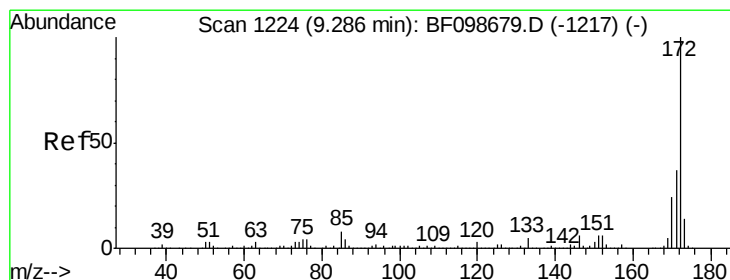
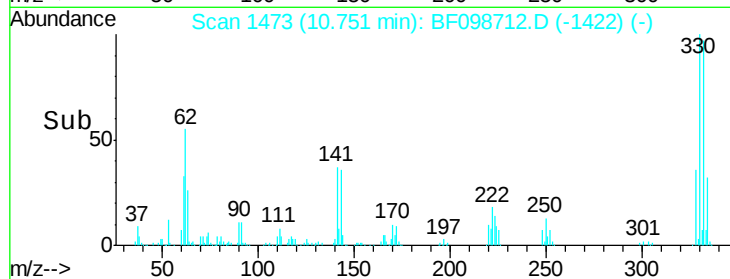
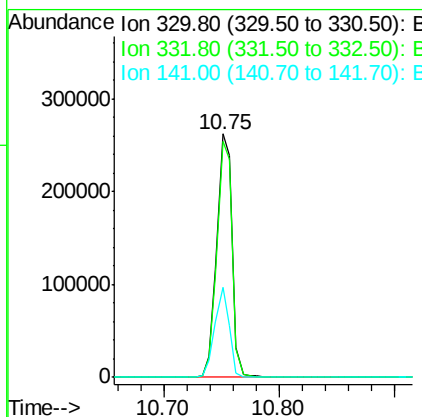
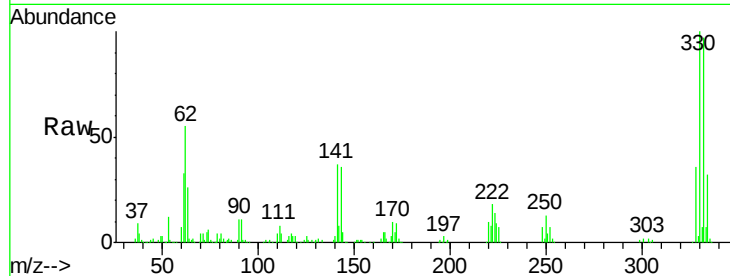




#41
 2,4,6-Tribromophenol
 Concen: 102.59 ng
 RT: 10.75 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: BF098712.D
 Acq: 22 Sep 2017 22:42

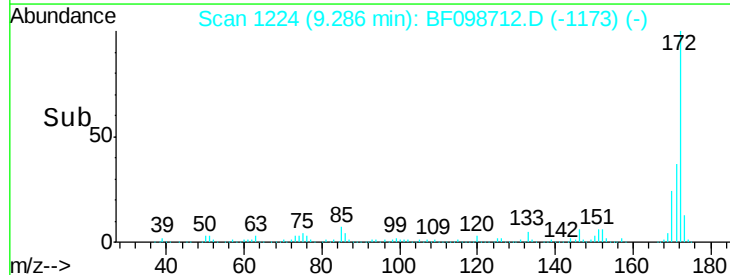
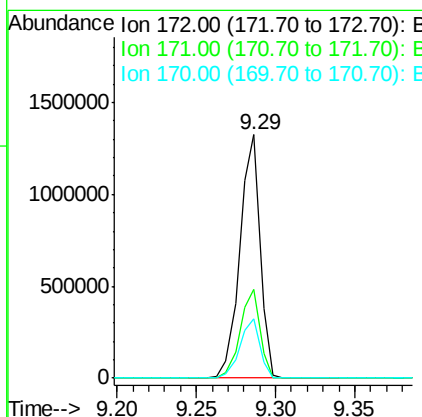
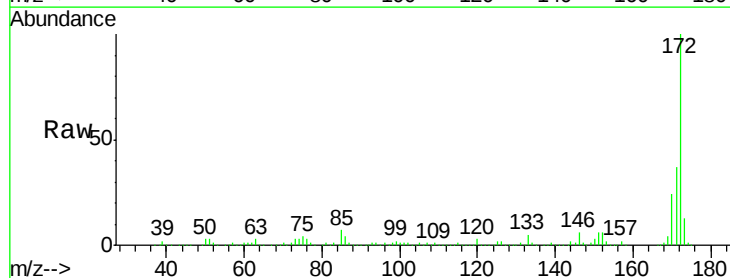
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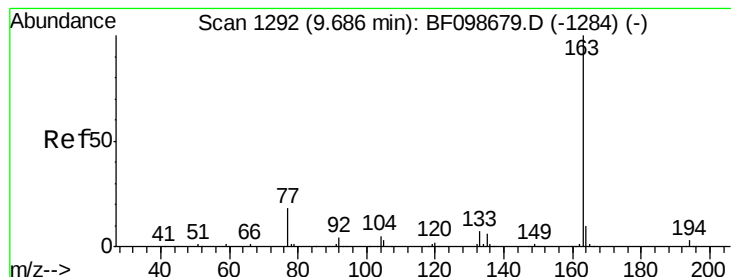
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 72.20 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: BF098712.D
 Acq: 22 Sep 2017 22:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 8.28 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

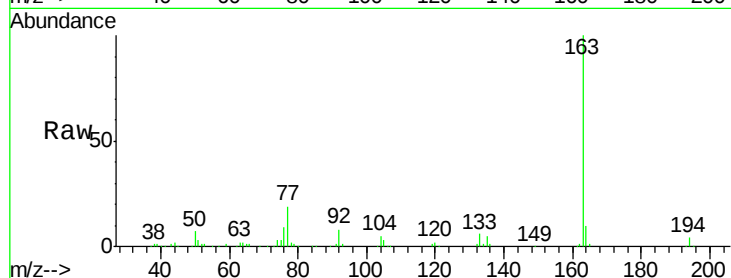
Tot Ion:163 Resp: 160077

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

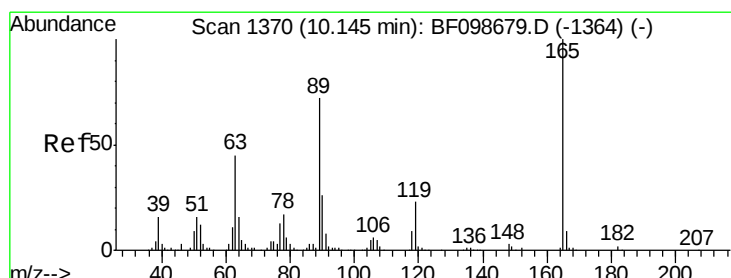
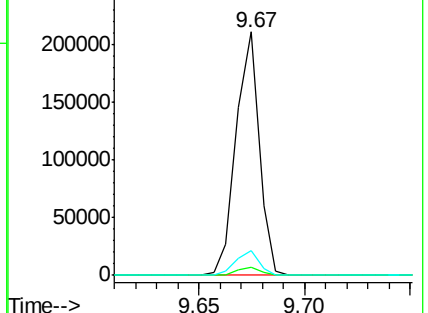
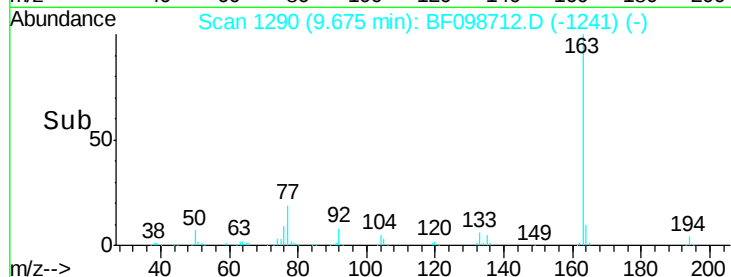
164 10.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.45 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.18 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Tgt Ion:165 Resp: 33047

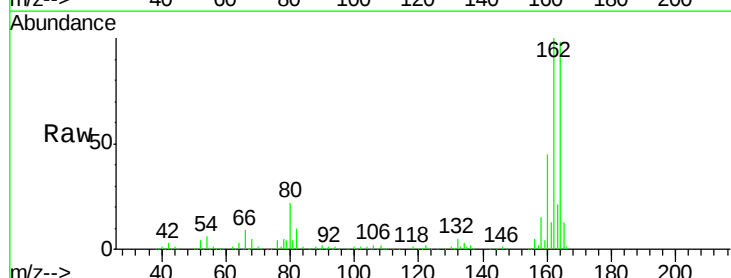
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

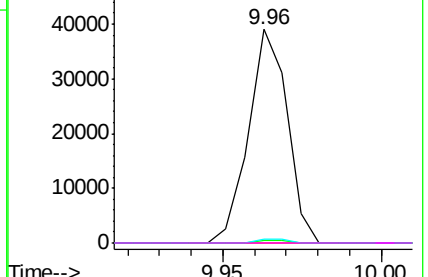
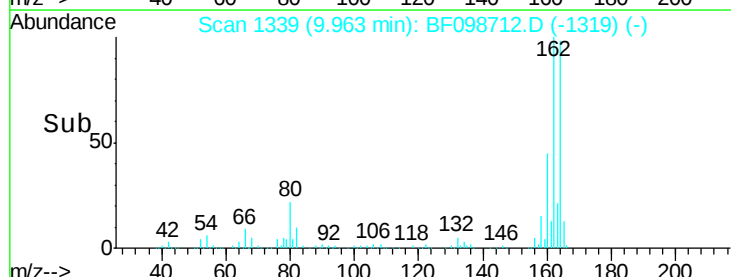


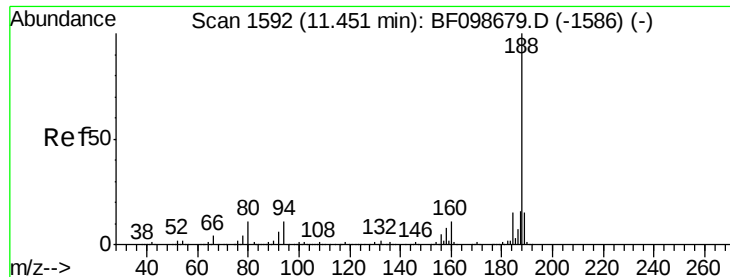
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

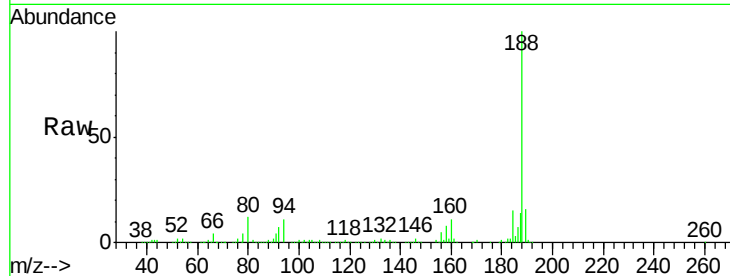




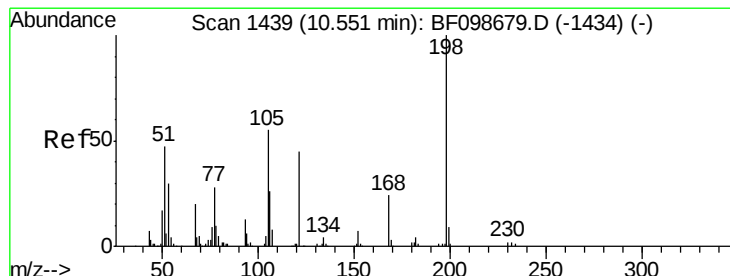
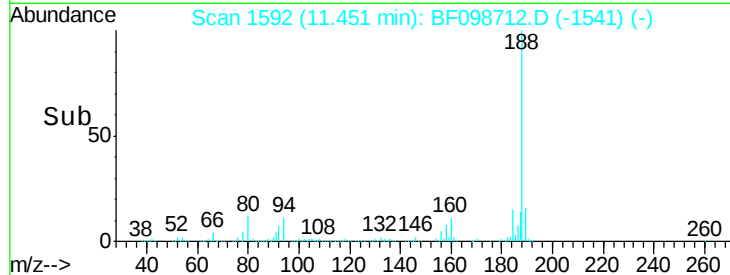
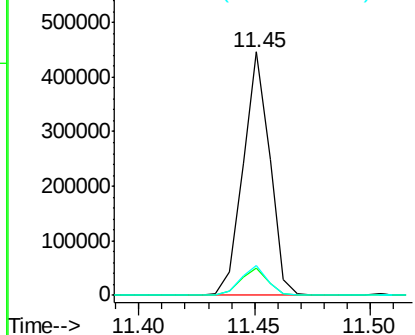
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-117-2(0-5)

Tot Ion:188 Resp: 359070
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.4 9.2 13.8

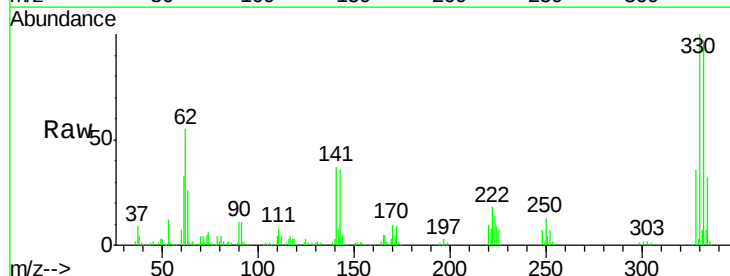


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

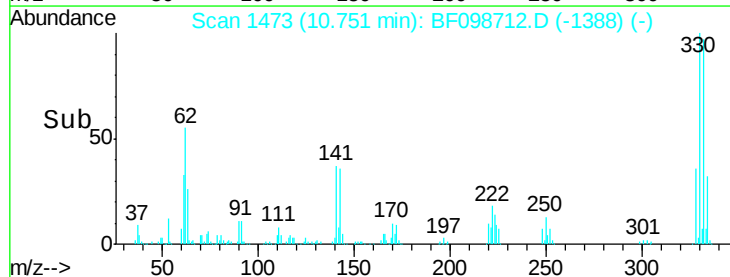
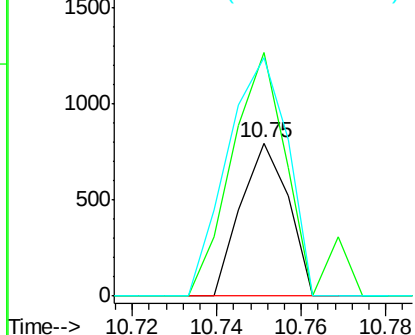


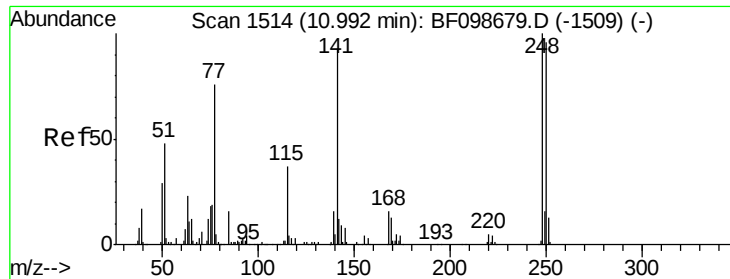
#64
4,6-Dinitro-2-methylphenol
Concen: 9.23 ng
RT: 10.75 min Scan# 1473
Delta R.T. 0.20 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

Tgt Ion:198 Resp: 622
Ion Ratio Lower Upper
198 100
51 159.4 37.7 77.7#
105 156.3 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

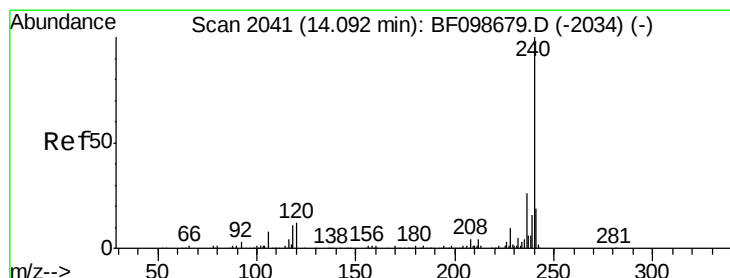
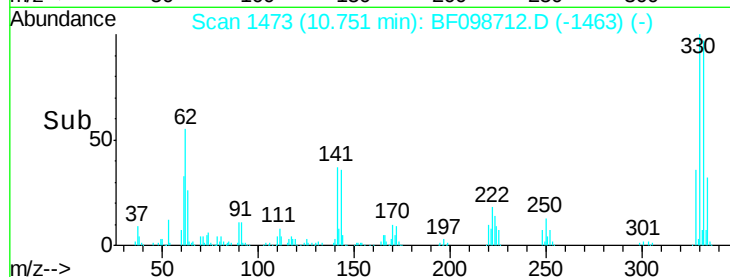
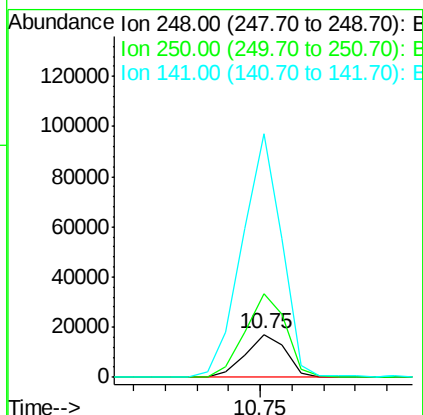
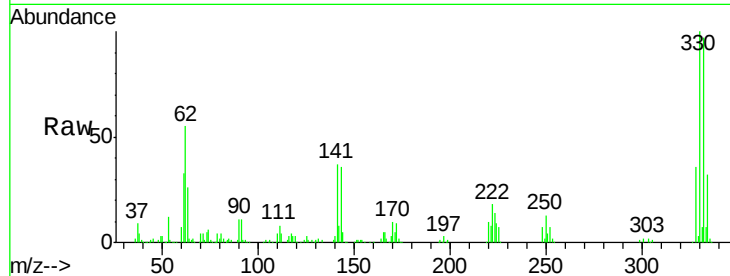




#66
4-Bromophenyl-phenylether
Concen: 4.16 ng
RT: 10.75 min Scan# 1473
Delta R.T. -0.24 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

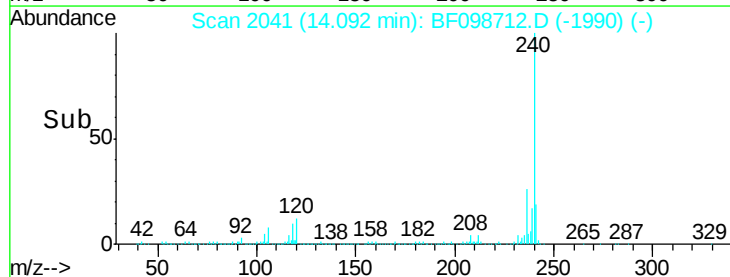
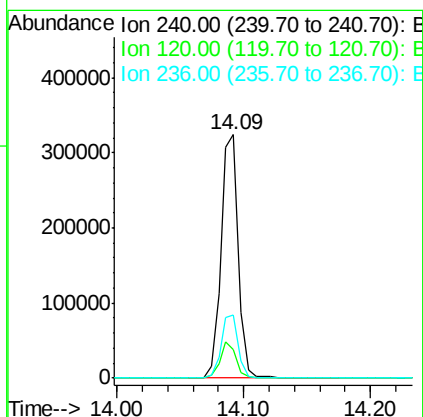
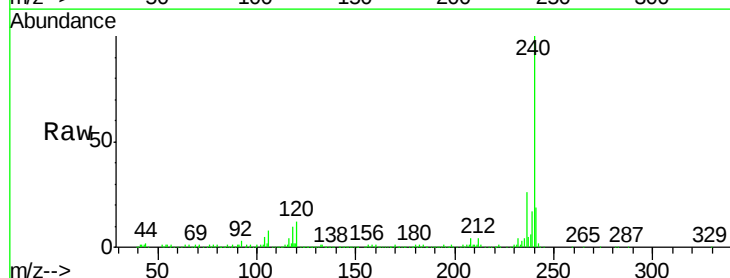
Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-117-2(0-5)

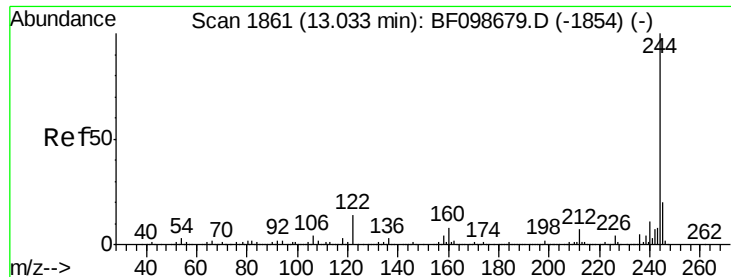
Tot Ion:248 Resp: 15090
Ion Ratio Lower Upper
248 100
250 196.3 76.9 115.3#
141 568.7 74.4 111.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BF098712.D
Acq: 22 Sep 2017 22:42

Tgt Ion:240 Resp: 307737
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 25.9 20.7 31.1





#78

Terphenyl-d14

Concen: 55.58 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

Instrument :

BNA_F

ClientSampleId :

SASP2P-ENV-117-2(0-5)

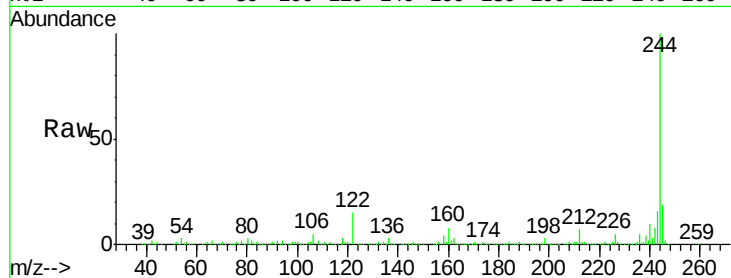
Tot Ion:244 Resp: 796536

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 14.6 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

1200000

1000000

800000

600000

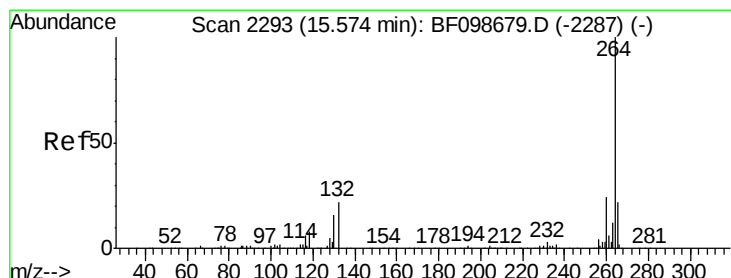
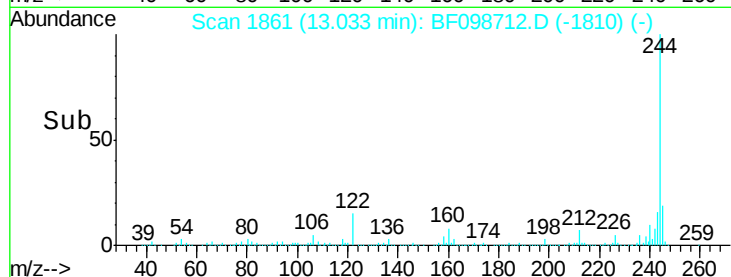
400000

200000

0

13.03

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.01 min

Lab File: BF098712.D

Acq: 22 Sep 2017 22:42

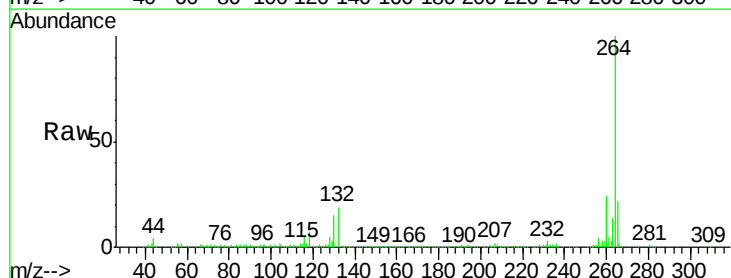
Tgt Ion:264 Resp: 287988

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.8 17.5 26.3



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

300000

250000

200000

150000

100000

50000

0

15.59

Time-->

