

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099871.D
 Acq On : 26 Oct 2017 20:15
 Operator : SJ/JU
 Sample : I6078-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 20:42:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	64315	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	260134	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	119869	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	217584	20.00	ng	0.00
75) Chrysene-d12	13.99	240	191163	20.00	ng	0.00
86) Perylene-d12	15.46	264	178006	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	374600	91.44	ng	0.01
7) Phenol-d6	6.44	99	447120	92.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	251649	62.28	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	102360	93.70	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	489561	63.01	ng	0.00
78) Terphenyl-d14	12.92	244	439439	50.24	ng	0.00

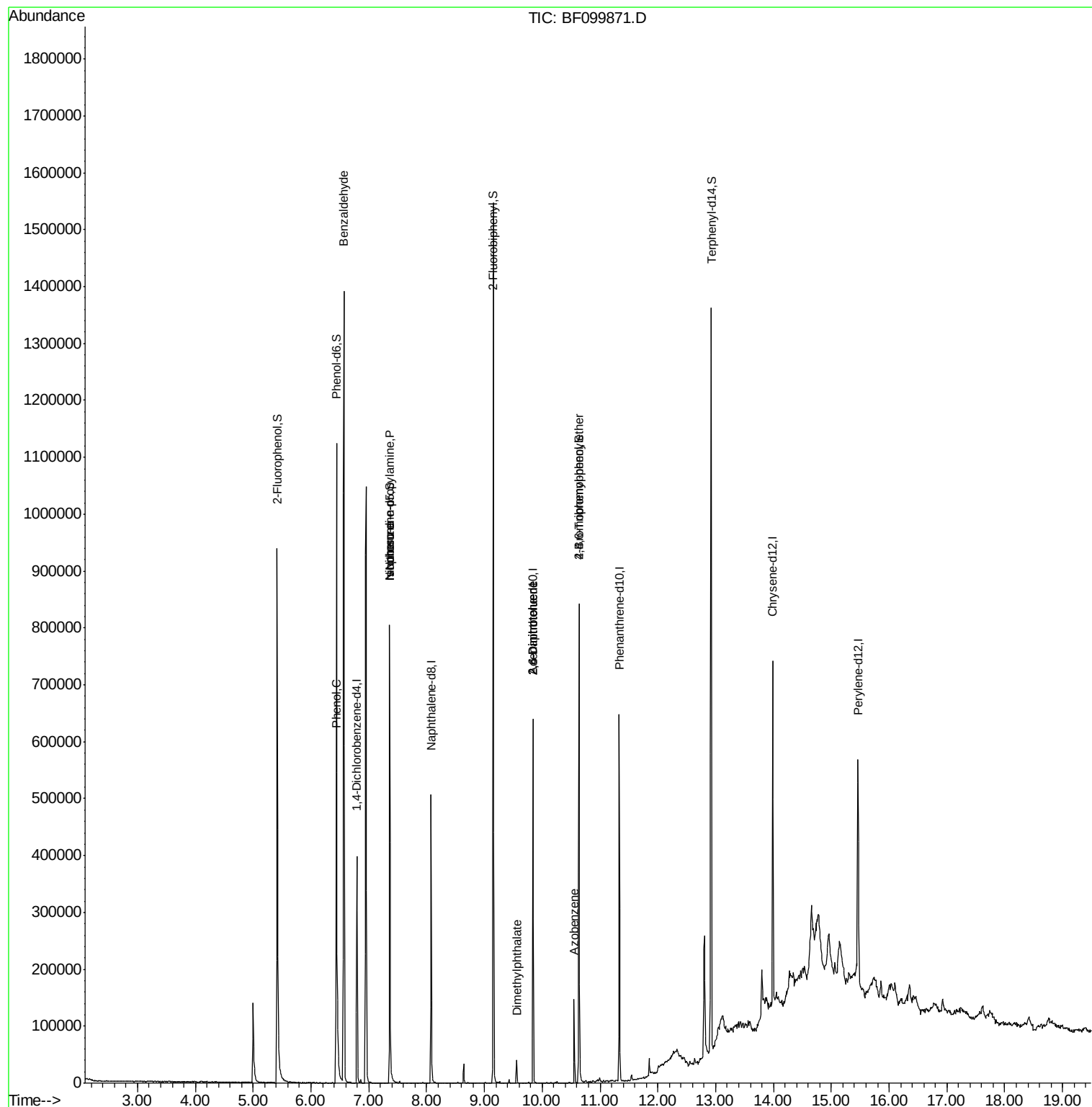
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	6580	2.267	ng	95
10) Phenol	6.45	94	20807	3.901	ng	80
19) n-Nitroso-di-n-propylamine	7.36	70	29722	10.441	ng	# 71
25) Isophorone	7.36	82	251649	34.322	ng	# 64
49) Dimethylphthalate	9.56	163	21461	2.261	ng	# 95
50) 2,6-Dinitrotoluene	9.84	165	14652	7.342	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	14652	6.097	ng	# 21
62) Azobenzene	10.55	77	26100	3.359	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	6488	2.832	ng	# 1

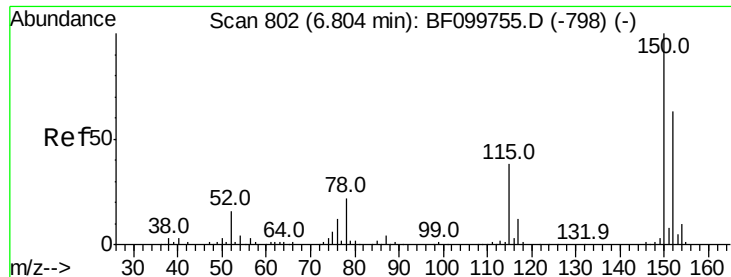
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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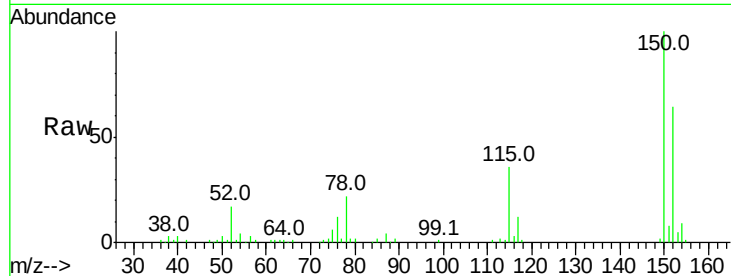


#1

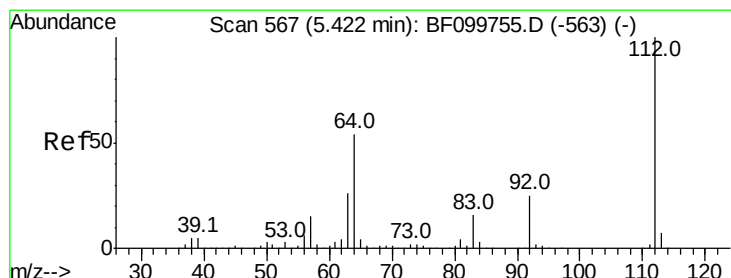
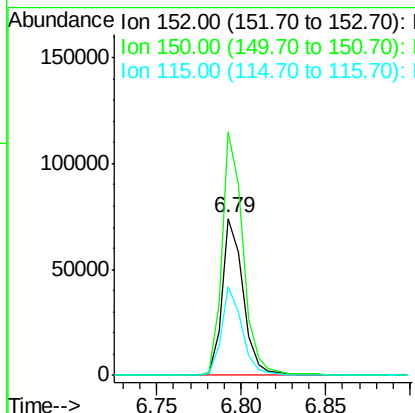
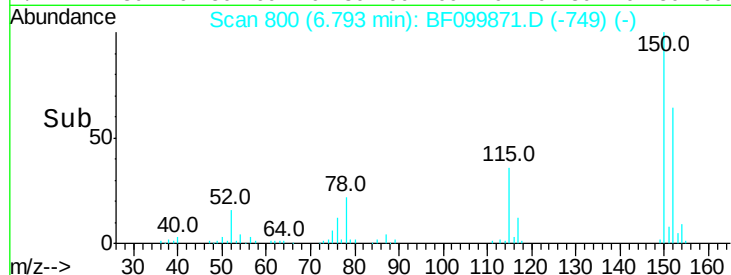
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64315
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 56.2 50.1 75.1



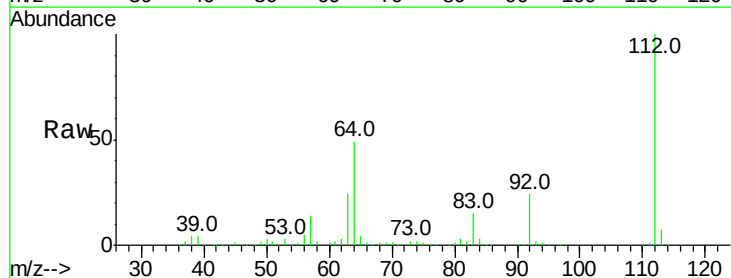
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



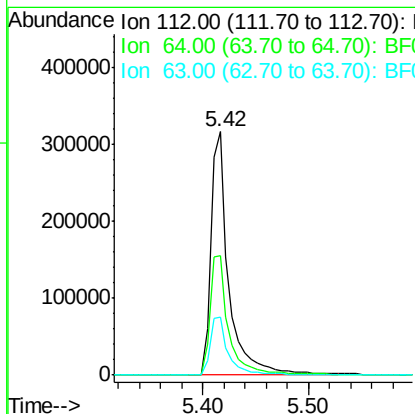
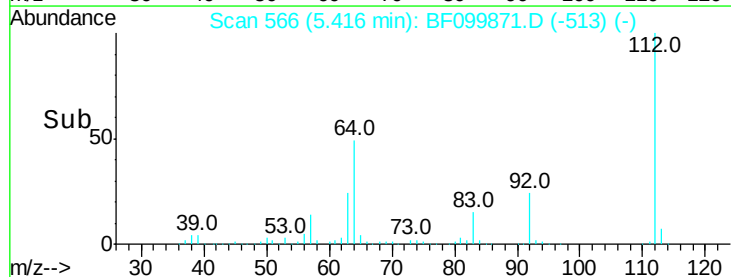
#5

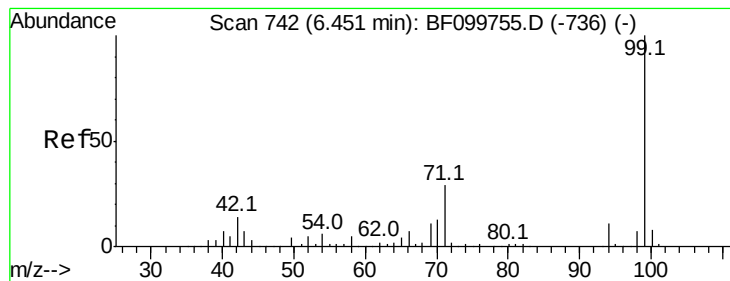
2-Fluorophenol
Concen: 91.442 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Tgt Ion:112 Resp: 374600
Ion Ratio Lower Upper
112 100
64 49.1 47.9 71.9
63 24.0 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: 92.049 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

Instrument :

BNA_F

ClientSampled :

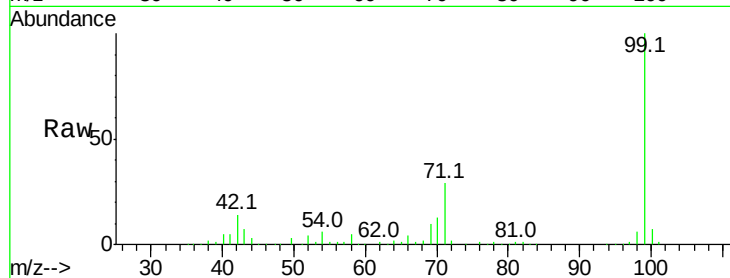
Tot Ion: 99 Resp: 447120

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

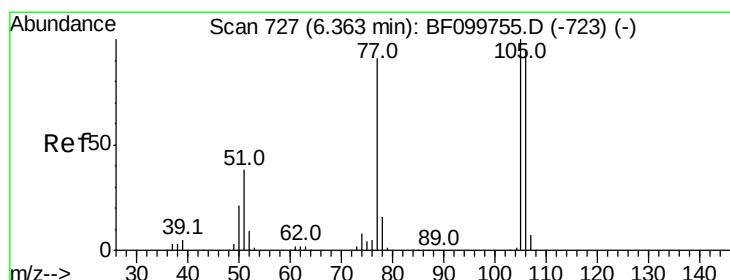
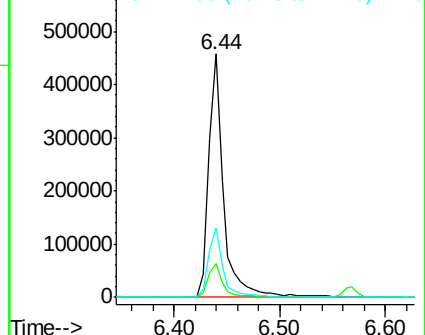
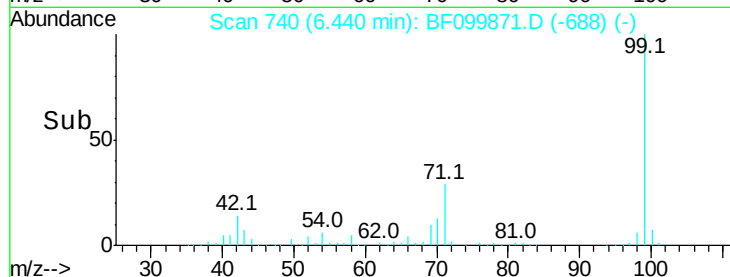
71 28.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.267 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.22 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

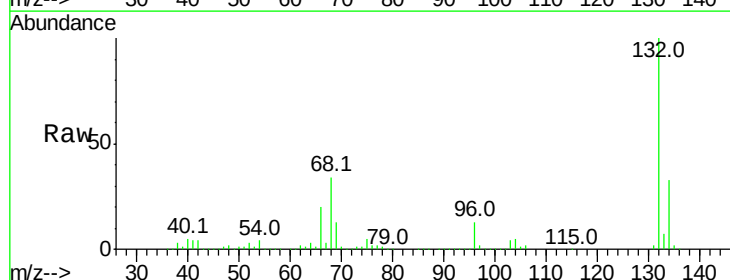
Tgt Ion: 77 Resp: 6580

Ion Ratio Lower Upper

77 100

105 94.1 81.1 121.1

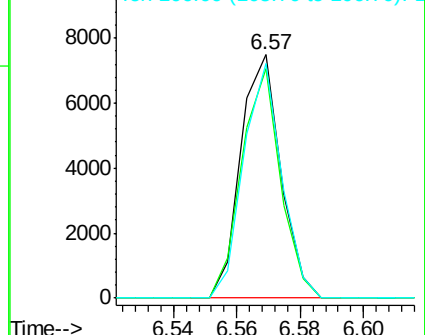
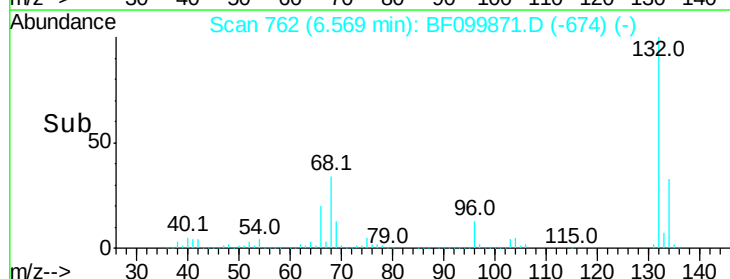
106 96.6 74.5 114.5

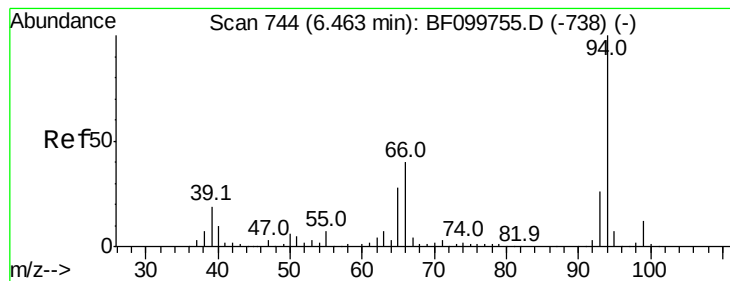


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.901 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

Instrument :

BNA_F

ClientSampleId :

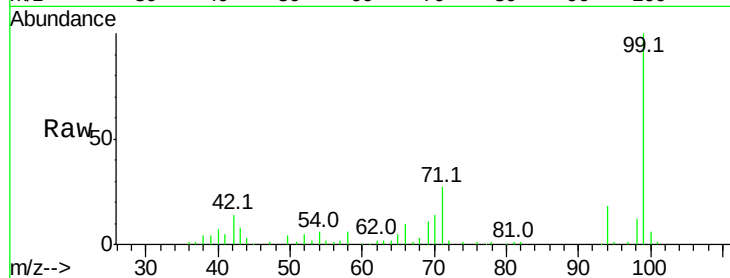
Tot Ion: 94 Resp: 20807

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

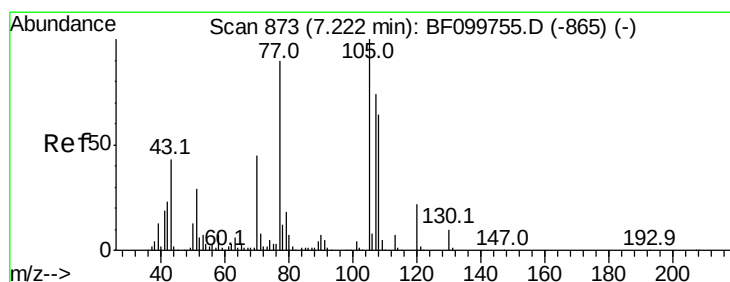
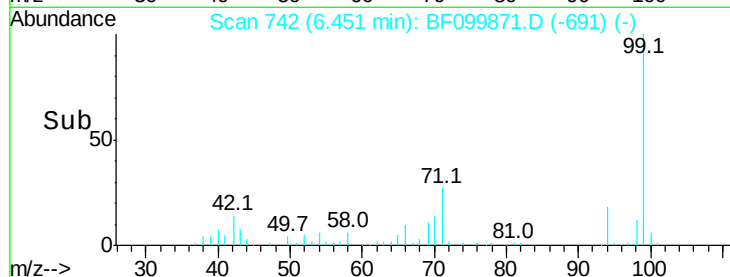
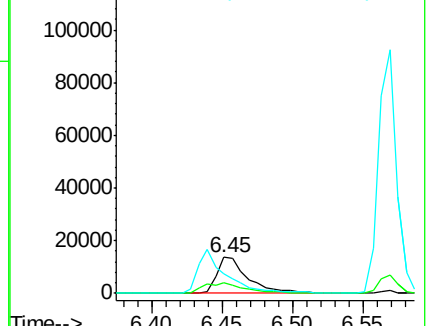
66 55.0 16.2 56.2



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: 10.441 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

Tgt Ion: 70 Resp: 29722

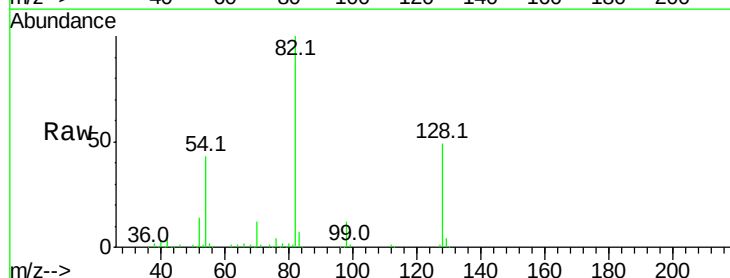
Ion Ratio Lower Upper

70 100

42 39.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

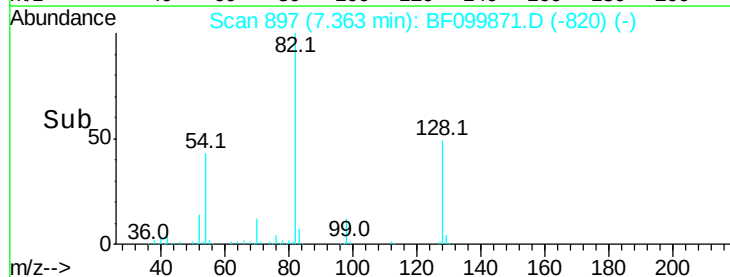
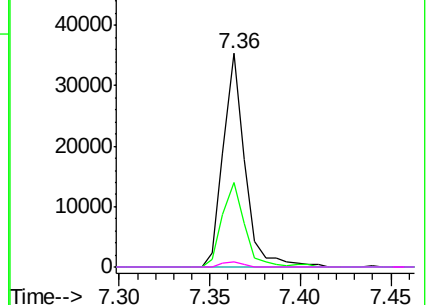


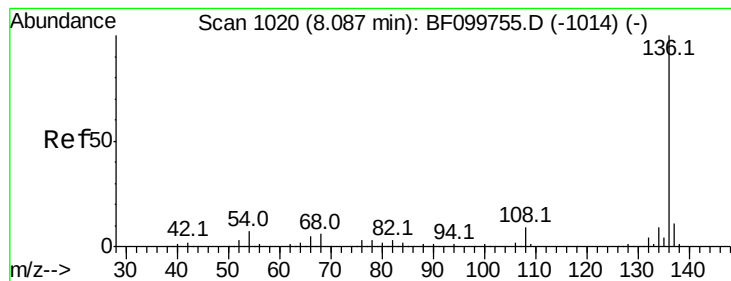
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 260134

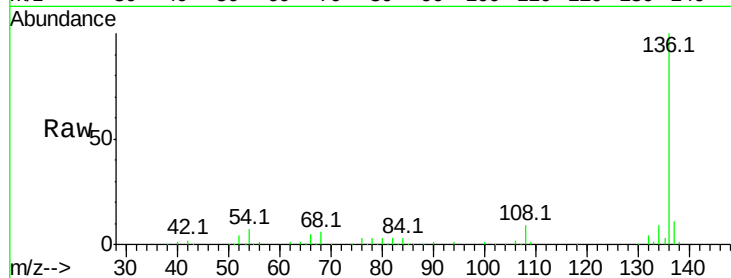
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.0 6.6 9.8

68 5.9 5.0 7.4

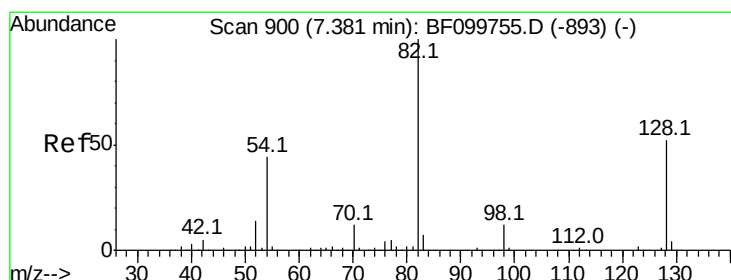
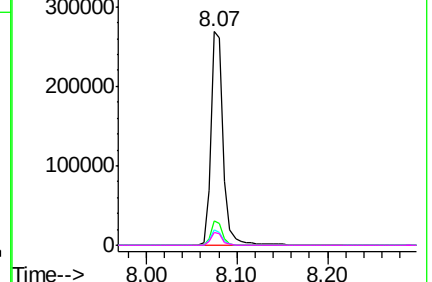
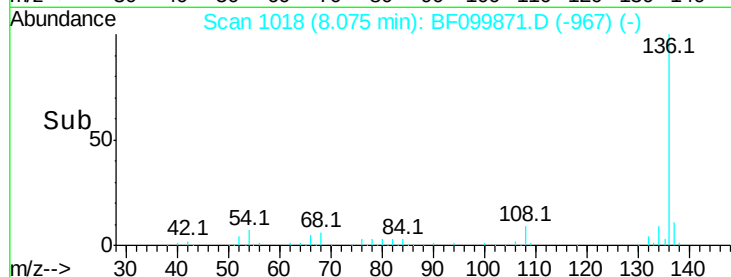


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 62.281 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

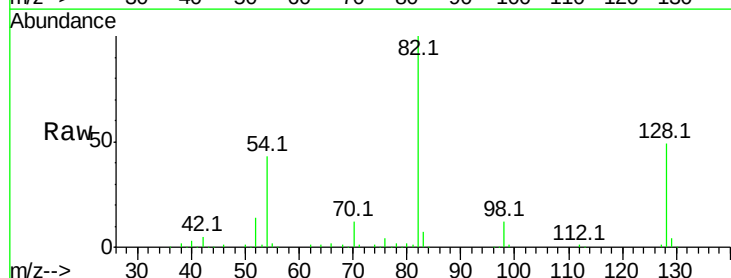
Tgt Ion: 82 Resp: 251649

Ion Ratio Lower Upper

82 100

128 49.4 36.1 54.1

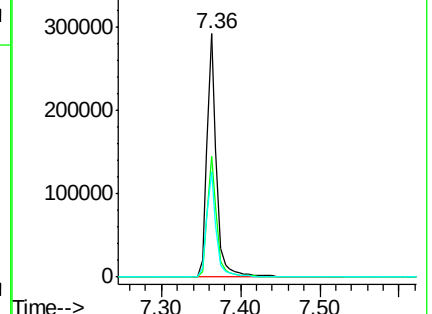
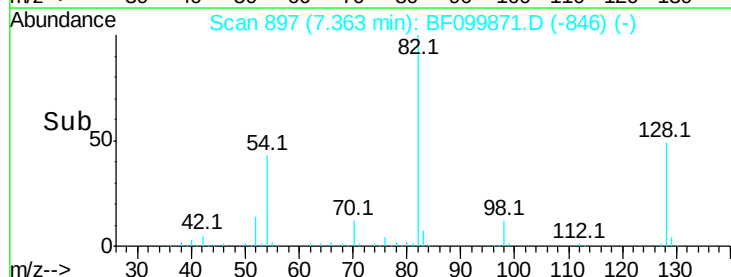
54 43.2 41.4 62.2

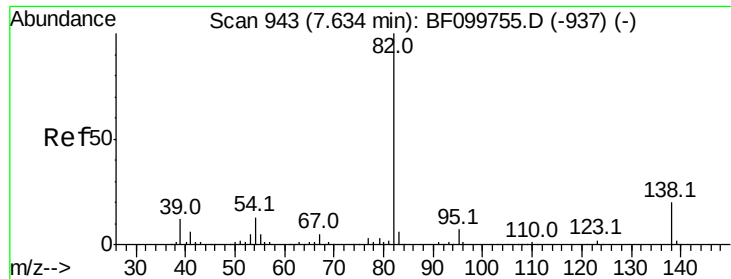


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.322 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

Instrument :

BNA_F

ClientSampleId :

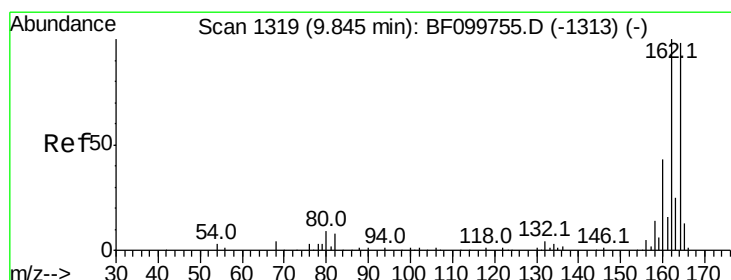
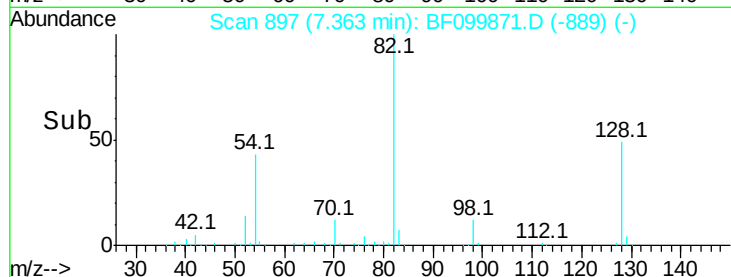
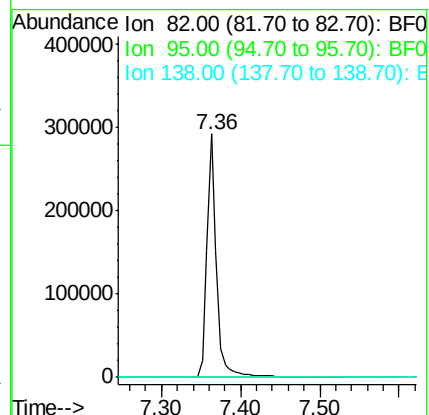
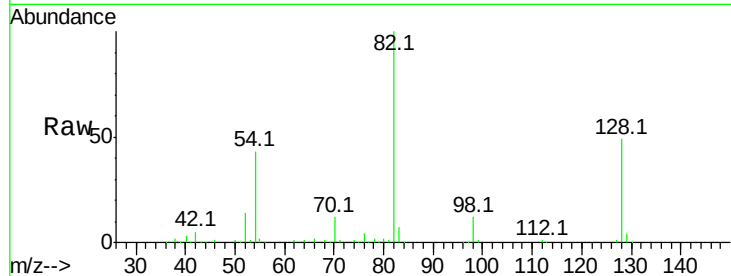
Tot Ion: 82 Resp: 251649

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099871.D

Acq: 26 Oct 2017 20:15

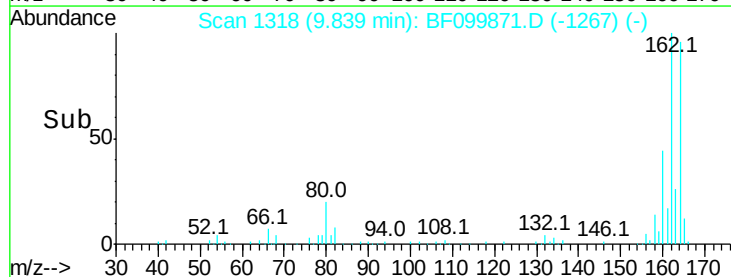
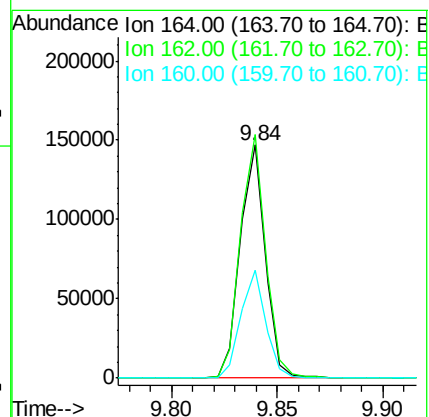
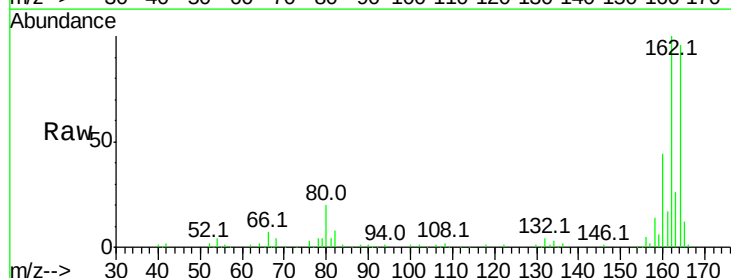
Tgt Ion:164 Resp: 119869

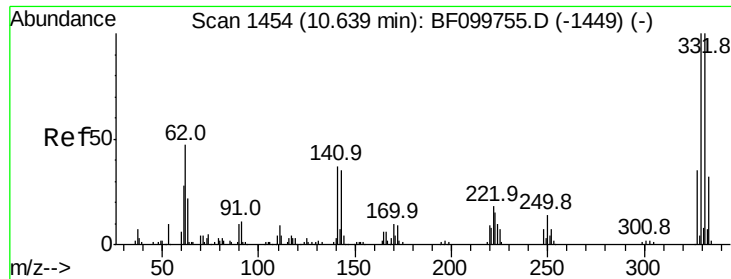
Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

160 46.4 38.3 57.5

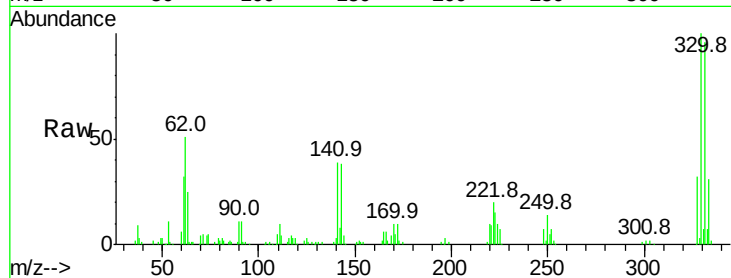




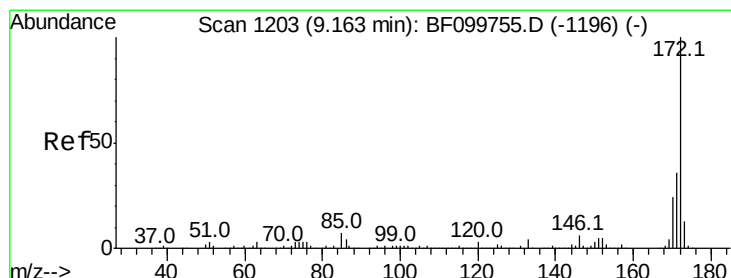
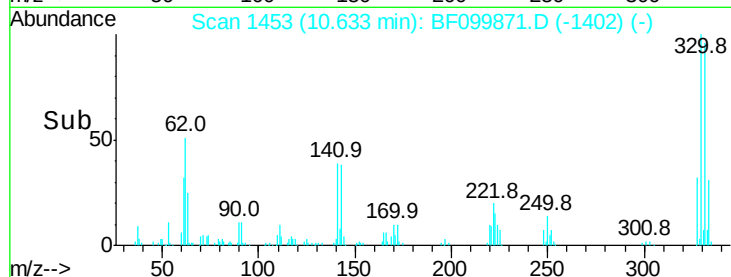
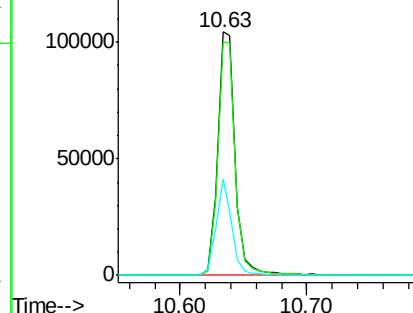
#41
 2,4,6-Tribromophenol
 Concen: 93.703 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099871.D
 Acq: 26 Oct 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	35.2	29.9	44.9

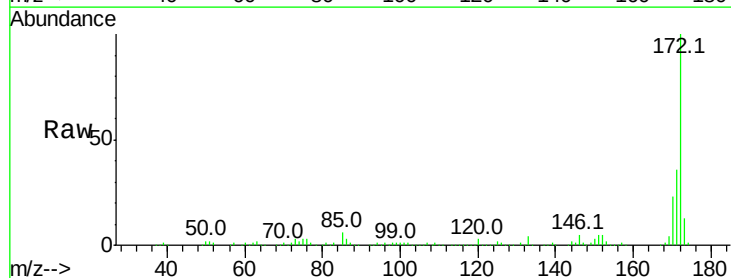


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

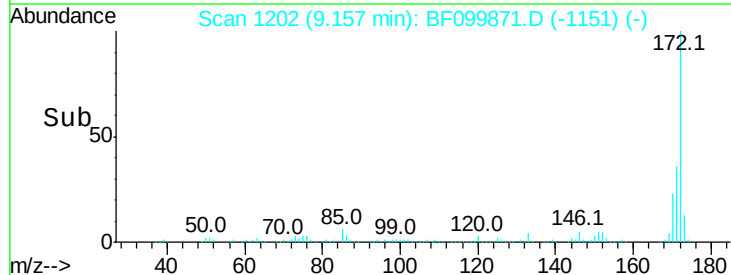
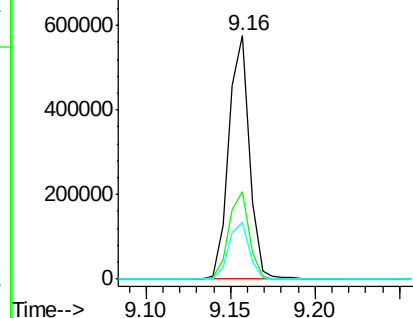


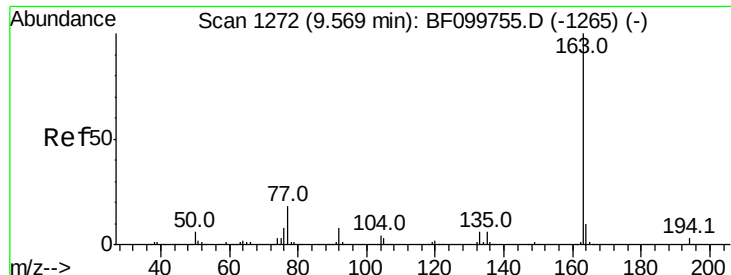
#44
 2-Fluorobiphenyl
 Concen: 63.012 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099871.D
 Acq: 26 Oct 2017 20:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.2	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

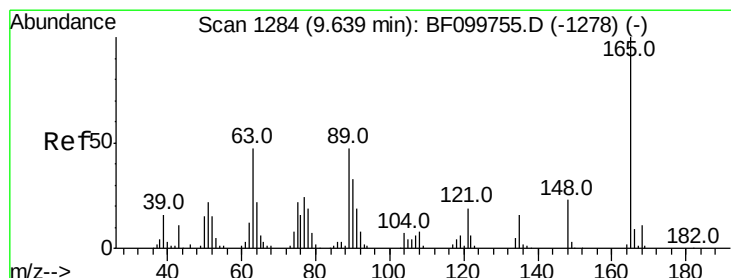
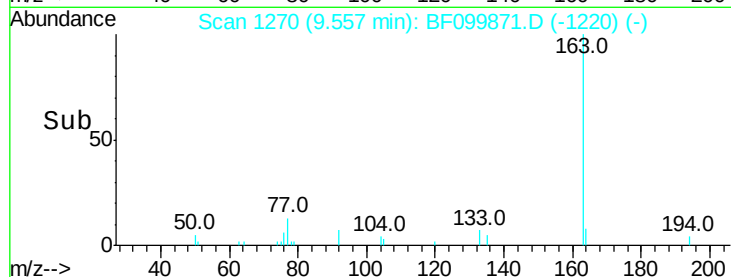
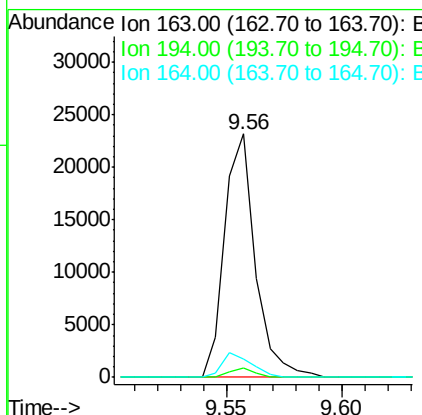
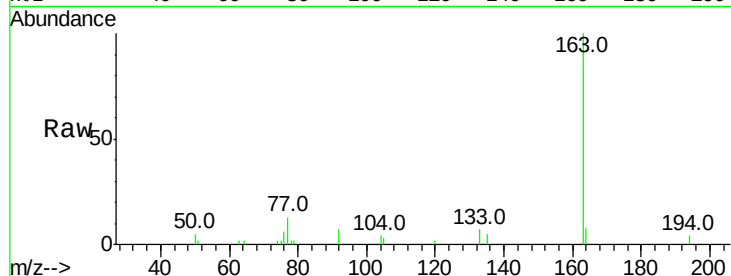




#49
Dimethylphthalate
Concen: 2.261 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

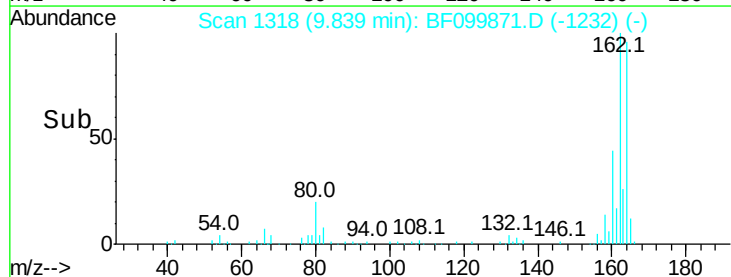
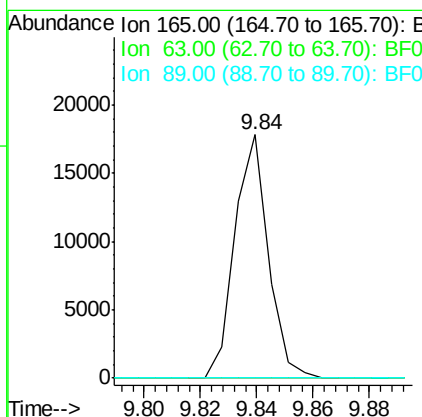
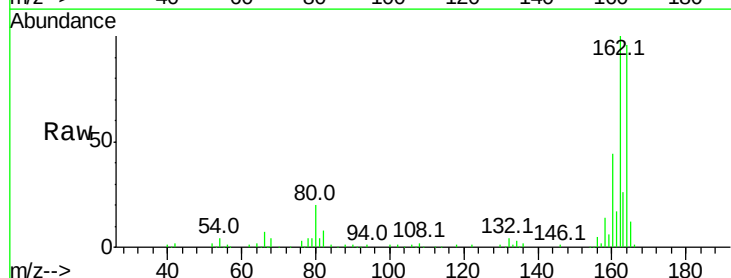
Instrument :
BNA_F
ClientSampleId :

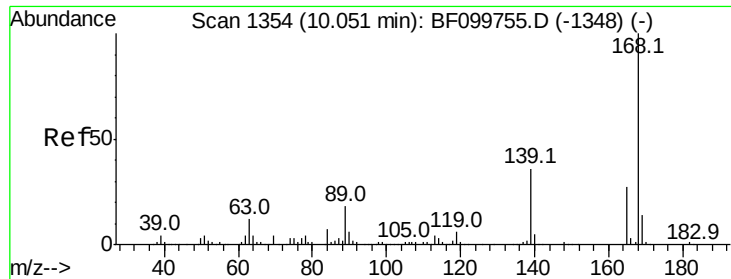
Tot Ion:163 Resp: 21461
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 7.8 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 7.342 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Tgt Ion:165 Resp: 14652
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

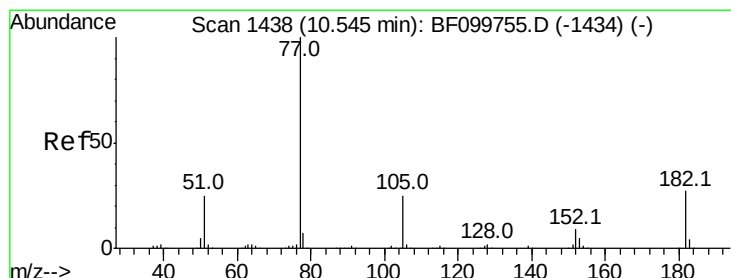
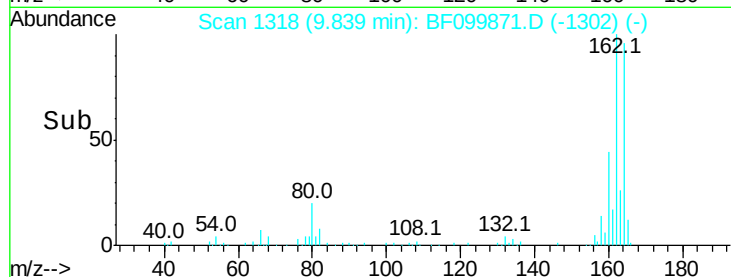
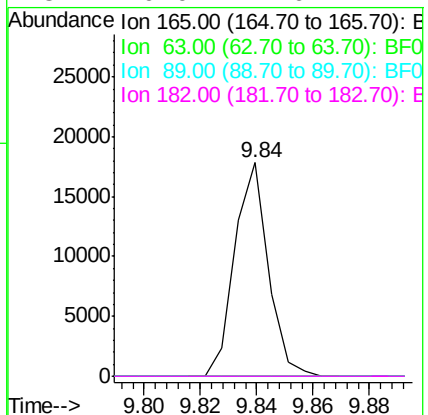
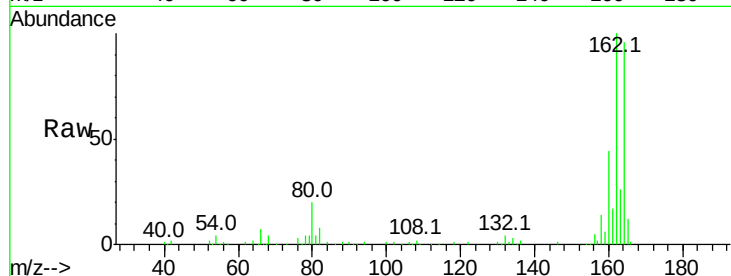




#56
 2,4-Dinitrotoluene
 Concen: 6.097 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099871.D
 Acq: 26 Oct 2017 20:15

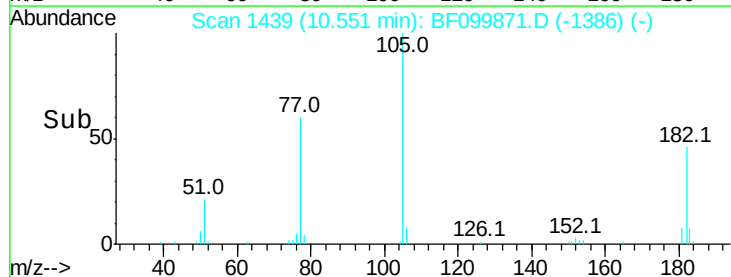
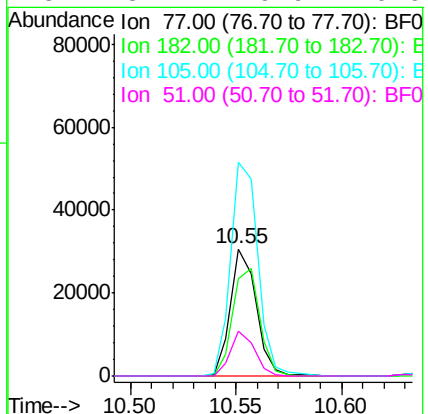
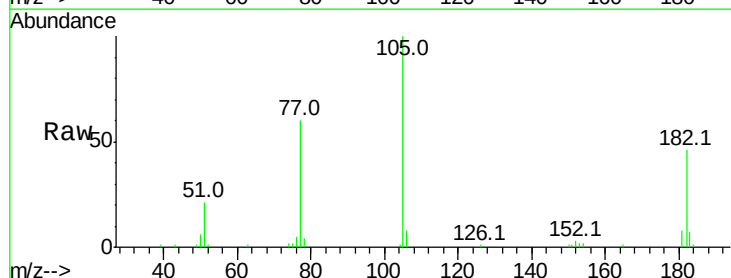
Instrument :
 BNA_F
 ClientSampleId :

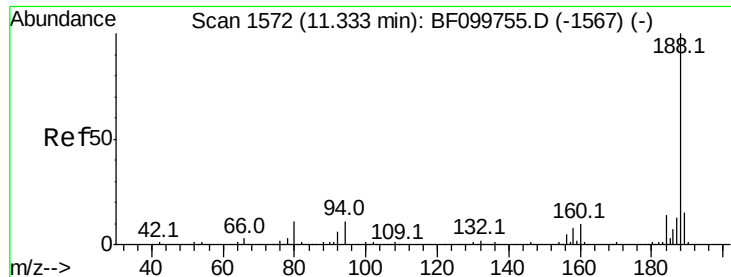
Tot Ion:	165	Resp:	14652
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.359 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF099871.D
 Acq: 26 Oct 2017 20:15

Tgt Ion:	77	Resp:	26100
Ion Ratio	Lower	Upper	
77	100		
182	76.8	1.7	41.7#
105	167.7	3.0	43.0#
51	34.7	9.9	49.9

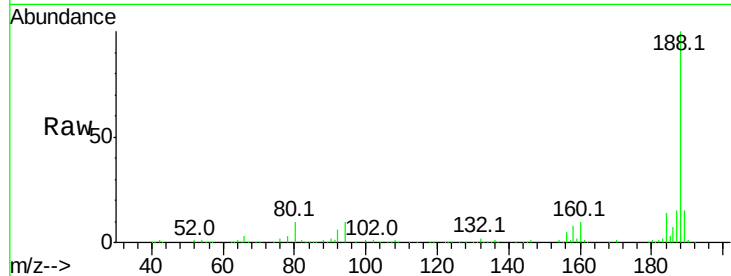




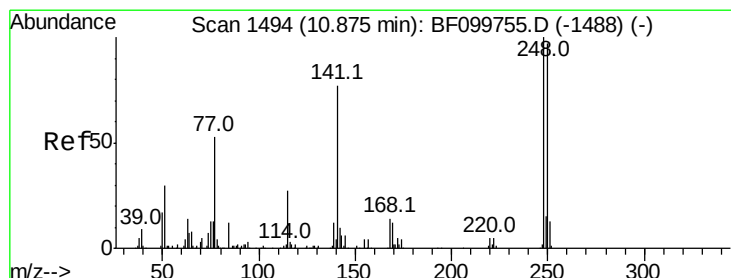
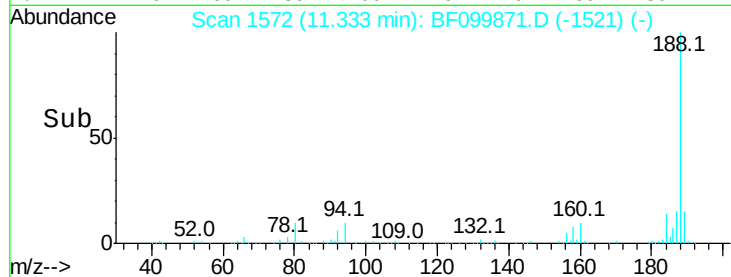
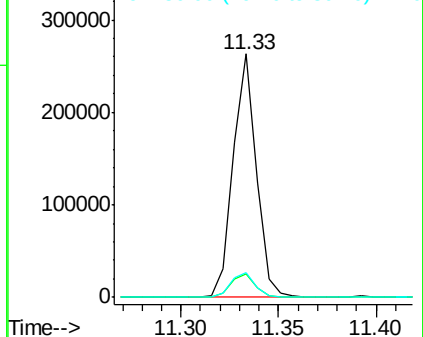
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 217584
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 9.9 9.2 13.8

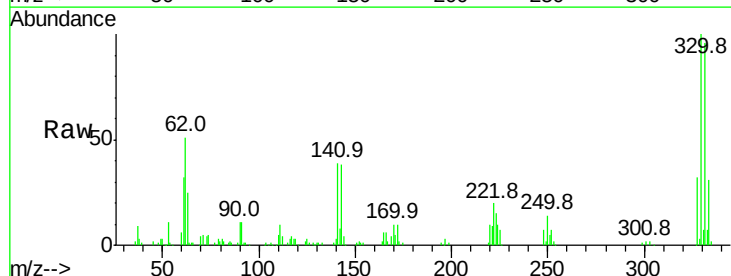


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

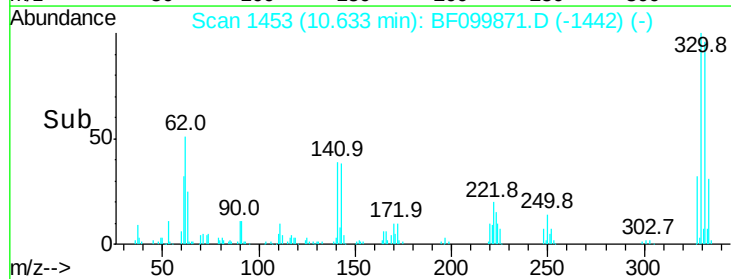
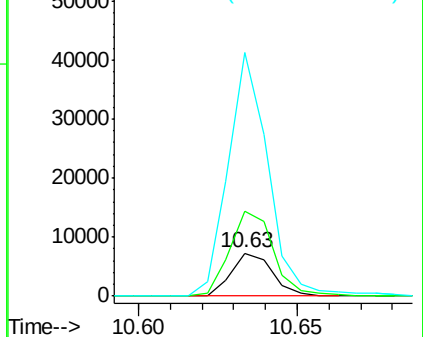


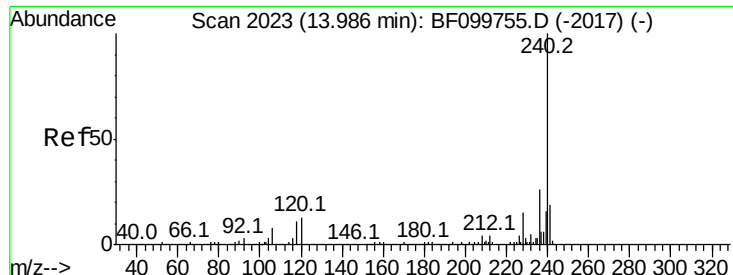
#66
4-Bromophenyl-phenylether
Concen: 2.832 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Tgt Ion:248 Resp: 6488
Ion Ratio Lower Upper
248 100
250 196.7 76.9 115.3#
141 568.1 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

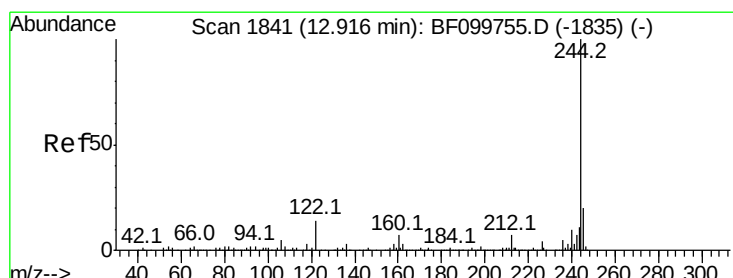
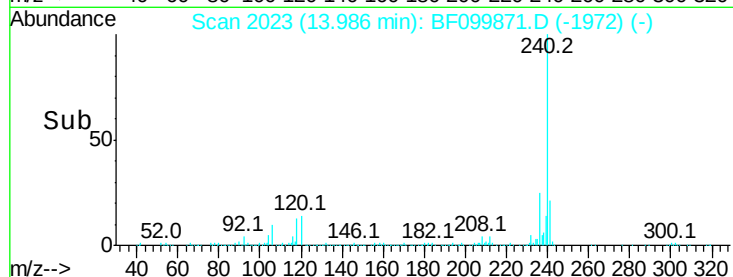
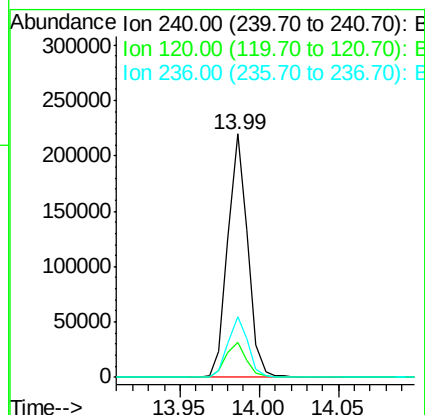
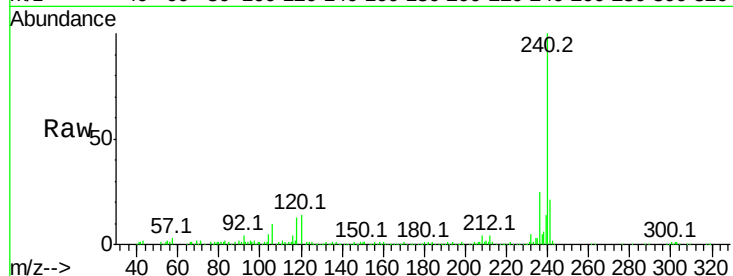




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

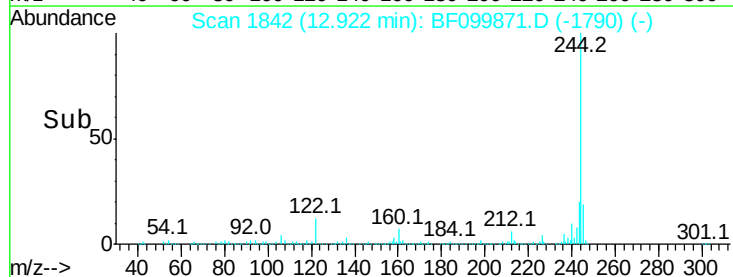
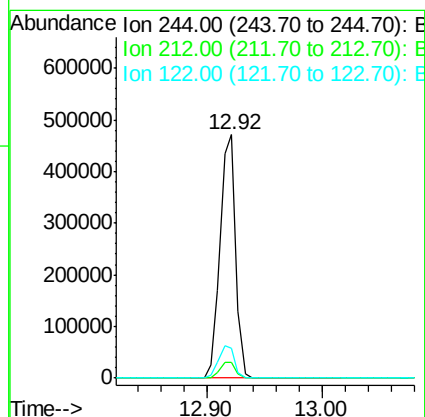
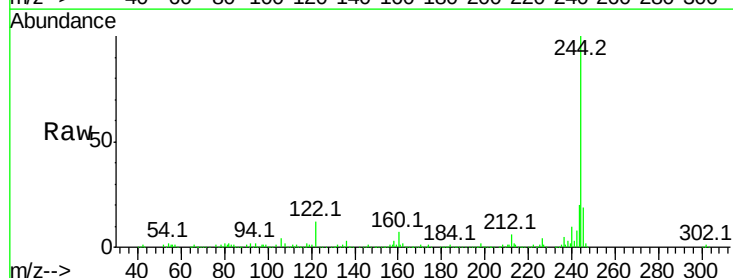
Instrument :
BNA_F
ClientSampleId :

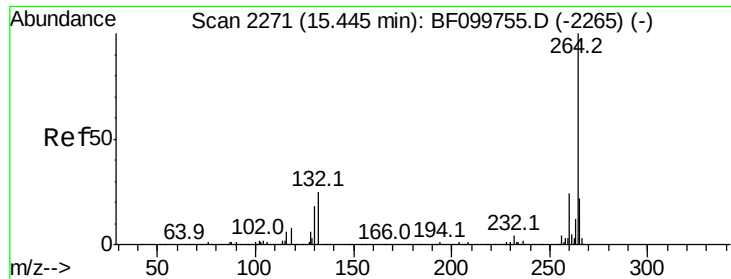
Tot Ion:240 Resp: 191163
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 24.8 20.7 31.1



#78
Terphenyl-d14
Concen: 50.237 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BF099871.D
Acq: 26 Oct 2017 20:15

Tgt Ion:244 Resp: 439439
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 12.4 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099871.D
 Acq: 26 Oct 2017 20:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

