

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021918\
 Data File : BN000113.D
 Acq On : 19 Feb 2018 17:03
 Operator : JU/SJ
 Sample : J1573-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 20 03:10:15 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

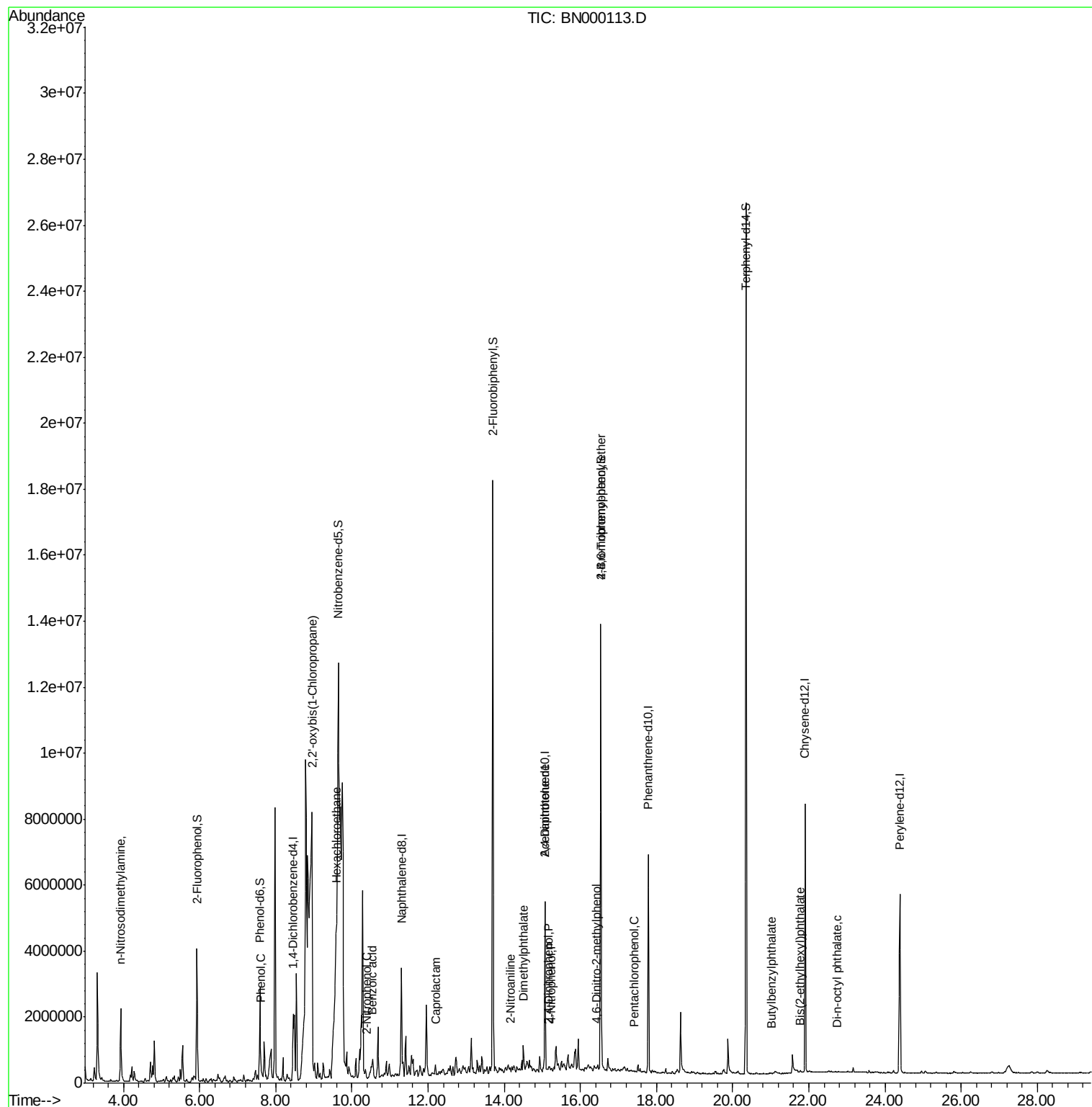
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	537599	20.00	ng	-0.01
21) Naphthalene-d8	11.30	136	2696727	20.00	ng	-0.01
38) Acenaphthene-d10	15.07	164	1620945	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	3476555	20.00	ng	-0.01
75) Chrysene-d12	21.90	240	3512644	20.00	ng	-0.02
86) Perylene-d12	24.39	264	3721669	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	1989597	60.32	ng	-0.01
7) Phenol-d6	7.58	99	1820808	36.44	ng	-0.01
23) Nitrobenzene-d5	9.64	82	4138900	91.25	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	2166632	135.04	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	9114272	79.25	ng	-0.01
78) Terphenyl-d14	20.35	244	11090704	85.25	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.93	42	35670	3.05	ng	Qvalue # 1
10) Phenol	7.60	94	301151	5.71	ng	89
16) 2,2'-oxybis(1-Chloropropan	8.96	45	1395532	30.39	ng	71
18) Hexachloroethane	9.59	117	146882	9.43	ng	# 23
26) 2-Nitrophenol	10.40	139	405	7.21	ng	# 1
32) Benzoic acid	10.54	122	14491	10.92	ng	# 44
35) Caprolactam	12.21	113	6330	4.37	ng	# 28
47) 2-Nitroaniline	14.16	65	3319	4.97	ng	# 34
49) Dimethylphthalate	14.50	163	437858	3.23	ng	98
53) 2,4-Dinitrophenol	15.15	184	286	9.25	ng	# 1
55) 4-Nitrophenol	15.24	139	1238	5.02	ng	# 1
56) 2,4-Dinitrotoluene	15.07	165	210524	8.98	ng	# 20
64) 4,6-Dinitro-2-methylphenol	16.41	198	251	8.72	ng	# 1
66) 4-Bromophenyl-phenylether	16.54	248	155567	4.71	ng	# 1
69) Pentachlorophenol	17.42	266	1681	5.89	ng	# 77
79) Butylbenzylphthalate	21.02	149	2539	5.40	ng	# 31
83) Bis(2-ethylhexyl)phthalate	21.78	149	14554	2.99	ng	95
84) Di-n-octyl phthalate	22.74	149	651	6.73	ng	# 1

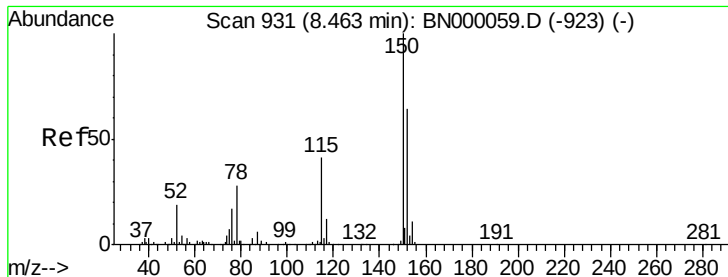
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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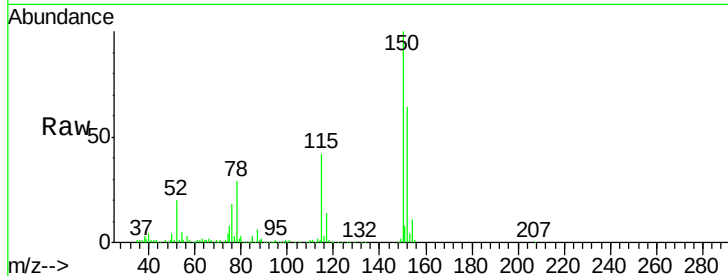


#1

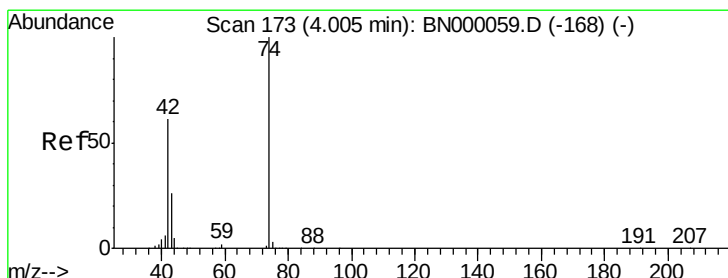
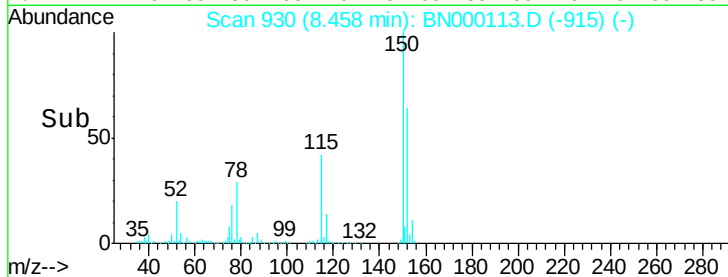
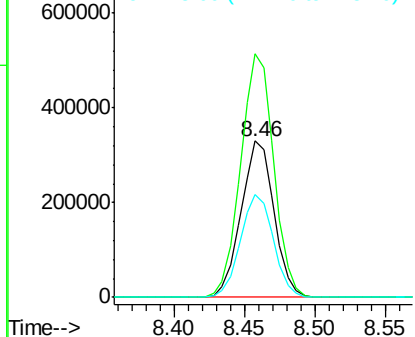
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.46 min Scan# 930
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.6	189.8
115	66.0	53.0	79.4



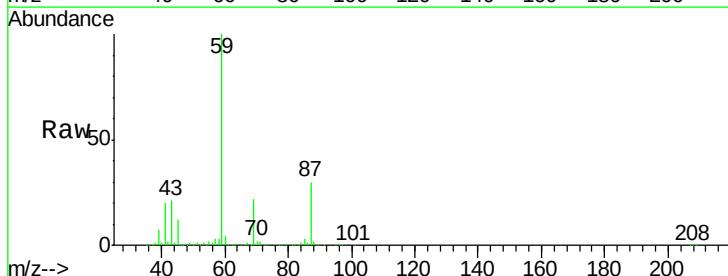
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



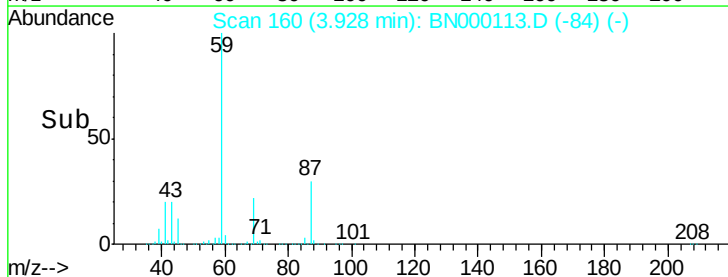
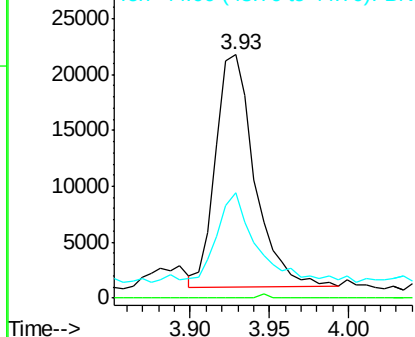
#4

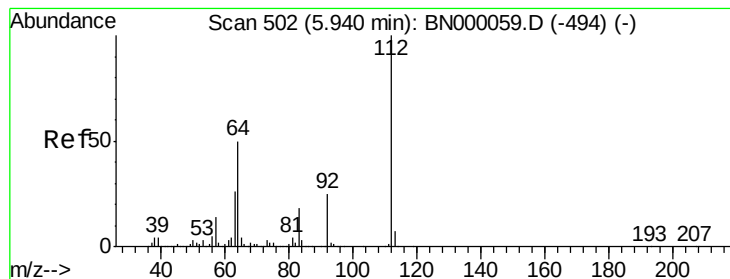
n-Nitrosodimethylamine
Concen: 3.05 ng
RT: 3.93 min Scan# 160
Delta R.T. -0.08 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	128.0	192.0#
44	43.4	12.0	18.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC

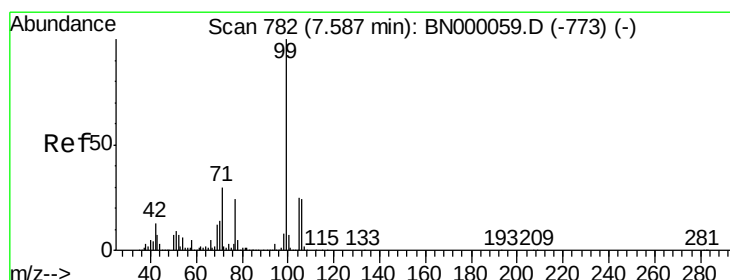
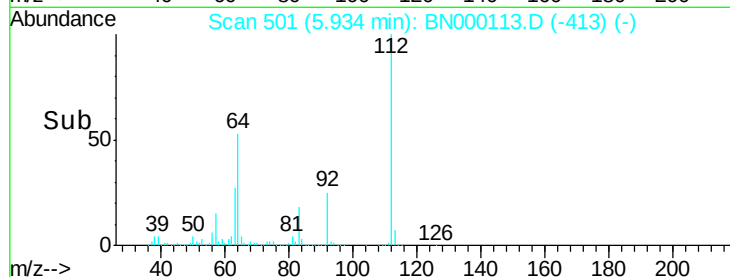
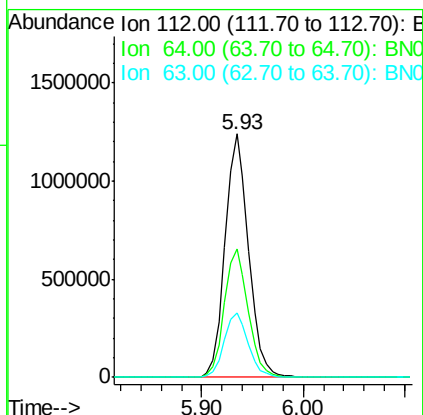
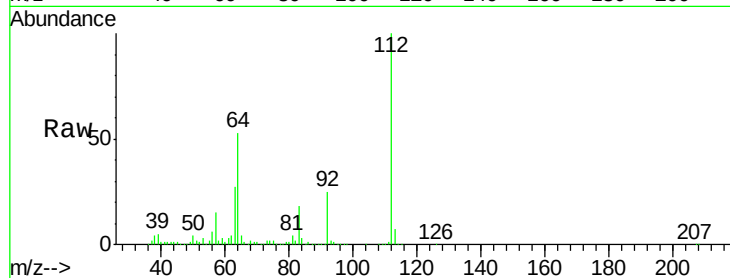




#5
2-Fluorophenol
Concen: 60.32 ng
RT: 5.93 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

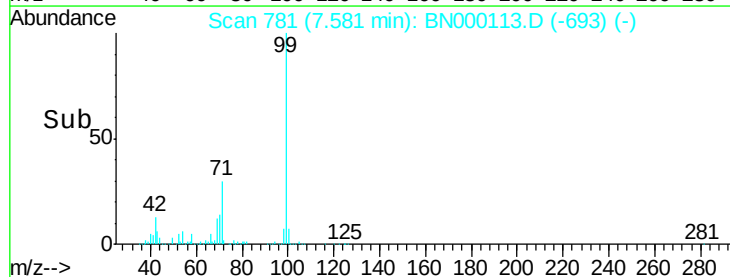
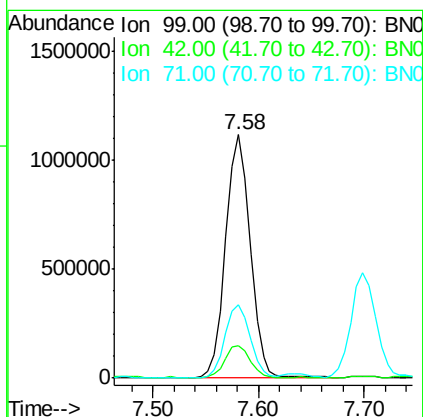
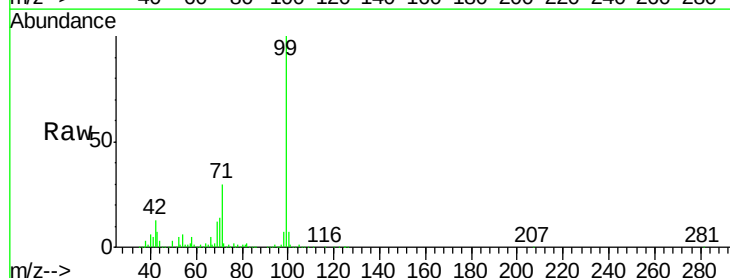
Instrument :
BNA_N
ClientSampleId :

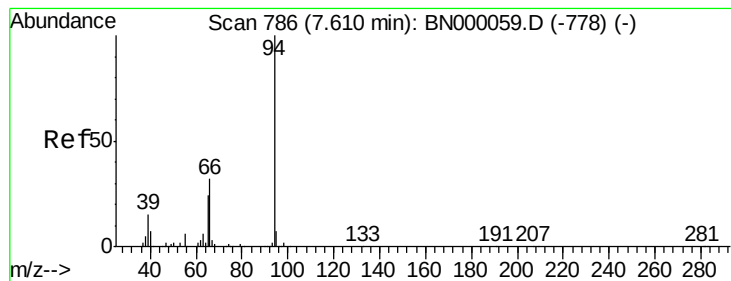
Tot Ion:112 Resp: 1989597
Ion Ratio Lower Upper
112 100
64 52.6 56.3 84.5#
63 26.6 30.1 45.1#



#7
Phenol-d6
Concen: 36.44 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion: 99 Resp: 1820808
Ion Ratio Lower Upper
99 100
42 13.4 14.1 21.1#
71 30.2 26.1 39.1





#10

Phenol

Concen: 5.71 ng

RT: 7.60 min Scan# 785

Delta R.T. -0.02 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

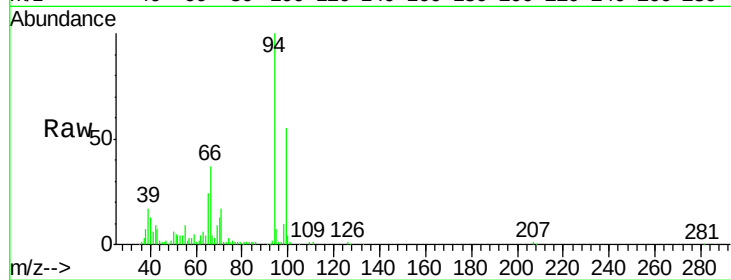
Instrument :

BNA_N

ClientSampled :

Tot Ion: 94 Resp: 301151

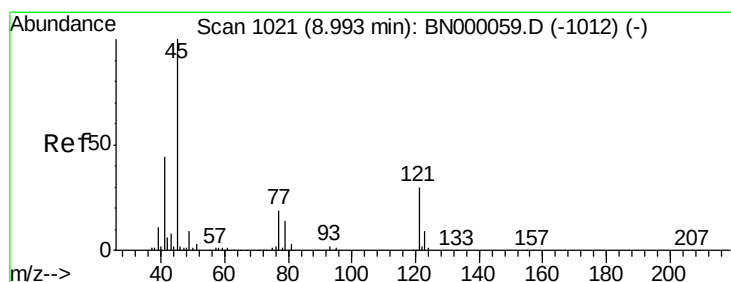
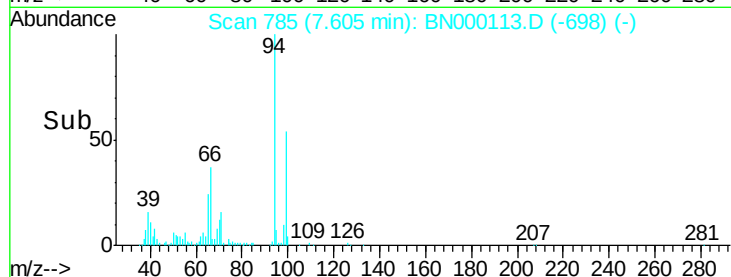
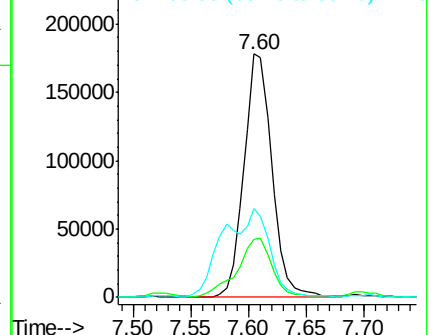
Ion	Ratio	Lower	Upper
94	100		
65	23.7	11.9	51.9
66	36.5	22.2	62.2



Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.39 ng

RT: 8.96 min Scan# 1015

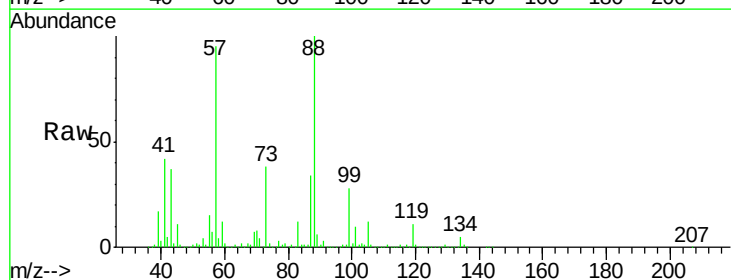
Delta R.T. -0.04 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Tgt Ion: 45 Resp: 1395532

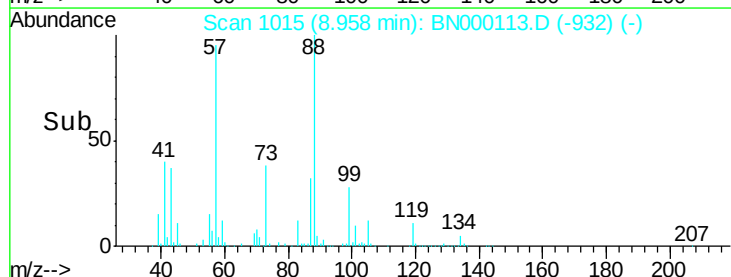
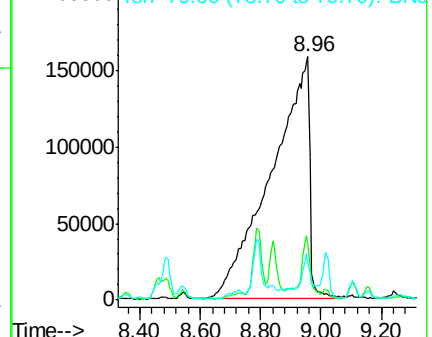
Ion	Ratio	Lower	Upper
45	100		
77	23.2	0.0	30.2
79	15.5	0.0	27.9

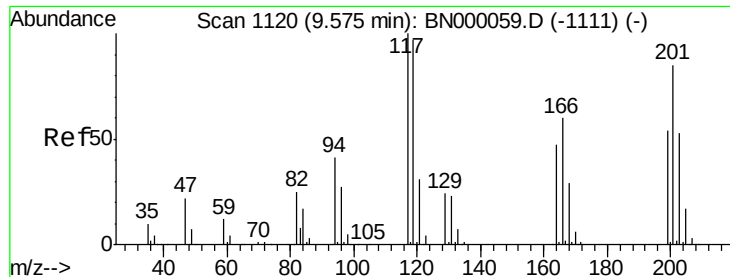


Abundance Ion 45.00 (44.70 to 45.70): BN0

Ion 77.00 (76.70 to 77.70): BN0

Ion 79.00 (78.70 to 79.70): BN0





#18

Hexachloroethane

Concen: 9.43 ng

RT: 9.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Instrument :

BNA_N

ClientSampleId :

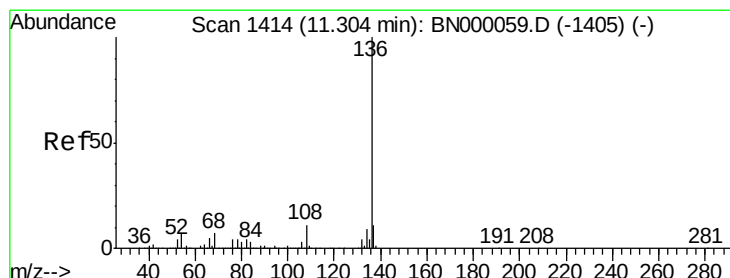
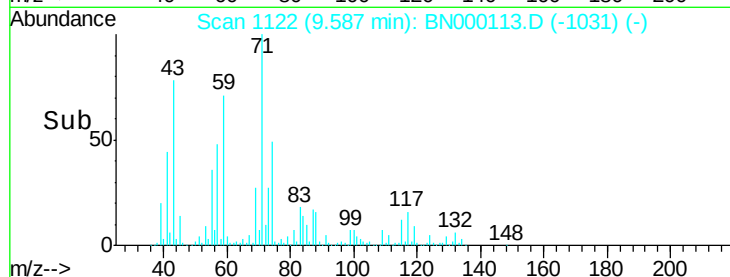
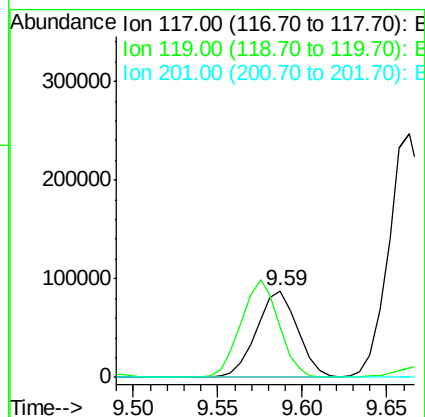
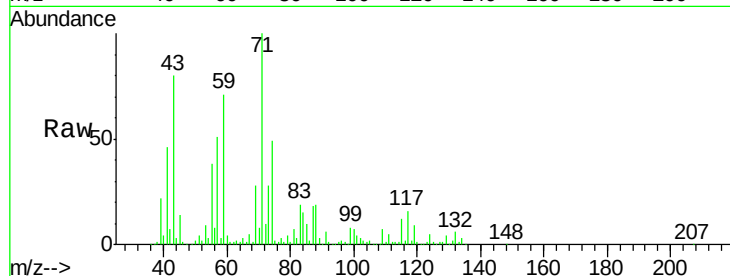
Tot Ion:117 Resp: 146882

Ion Ratio Lower Upper

117 100

119 58.2 76.7 115.1#

201 0.0 95.7 143.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.30 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Tgt Ion:136 Resp: 2696727

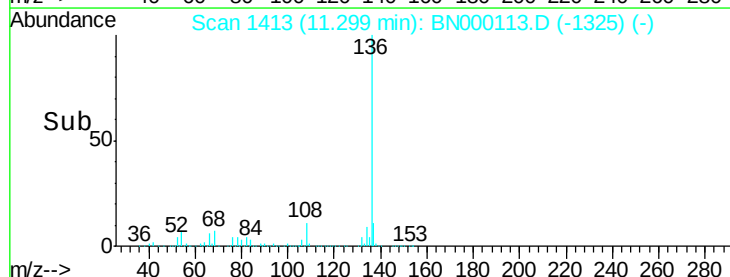
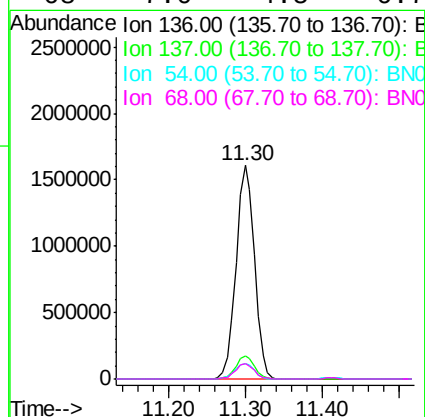
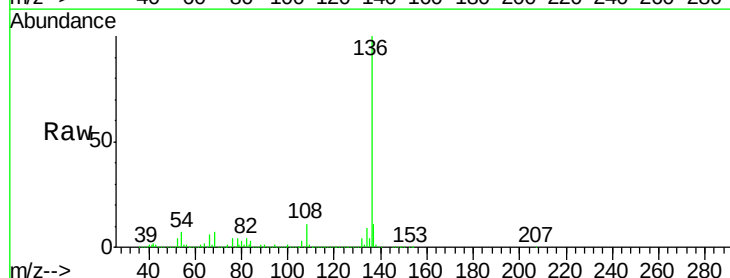
Ion Ratio Lower Upper

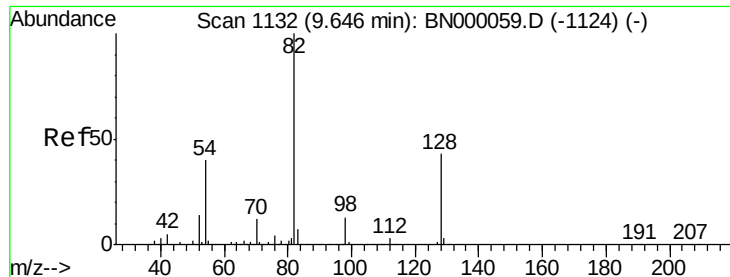
136 100

137 11.0 9.2 13.8

54 7.3 10.3 15.5#

68 7.0 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 91.25 ng

RT: 9.64 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Instrument :

BNA_N

ClientSampleId :

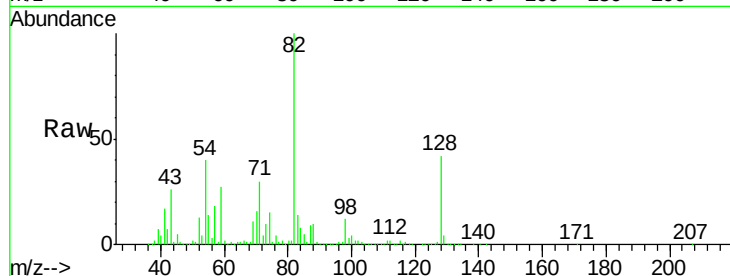
Tot Ion: 82 Resp: 4138900

Ion Ratio Lower Upper

82 100

128 41.8 29.7 44.5

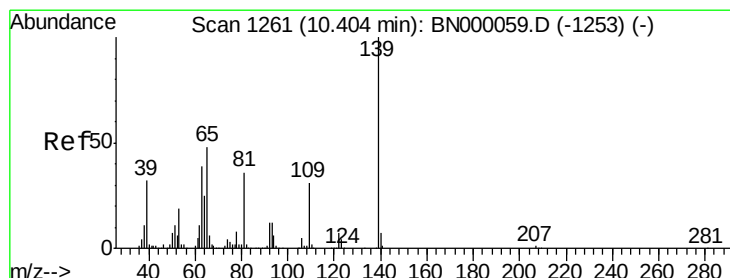
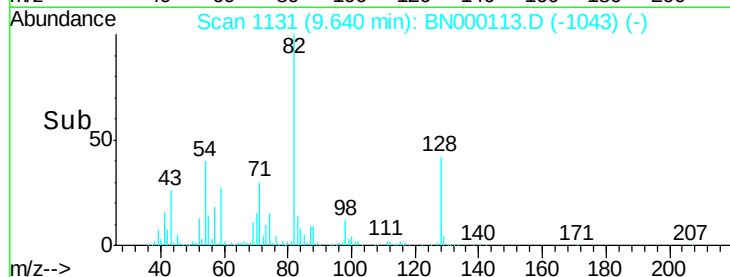
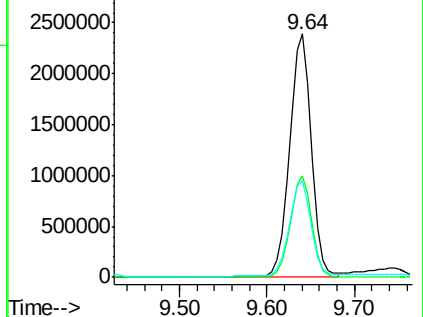
54 39.7 43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BN000059.D (-1124) (-)

Ion 128.00 (127.70 to 128.70): BN000059.D (-1124) (-)

Ion 54.00 (53.70 to 54.70): BN000059.D (-1124) (-)



#26

2-Nitrophenol

Concen: 7.21 ng

RT: 10.40 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

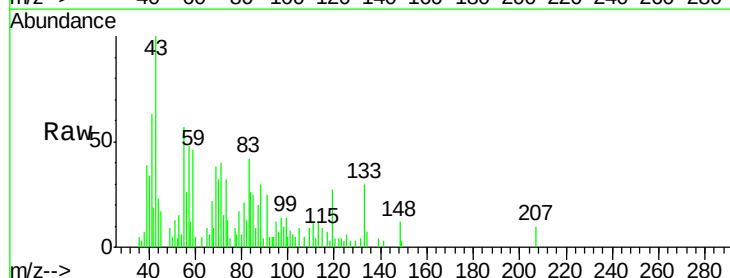
Tgt Ion: 139 Resp: 405

Ion Ratio Lower Upper

139 100

109 221.6 24.2 36.2#

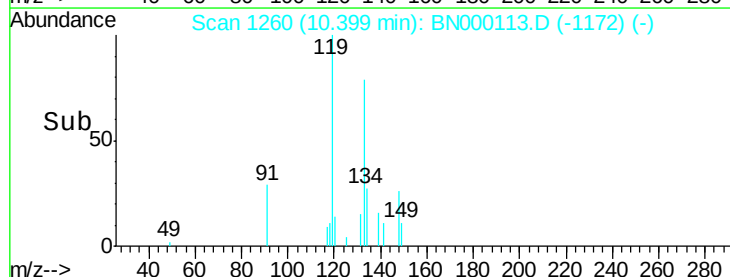
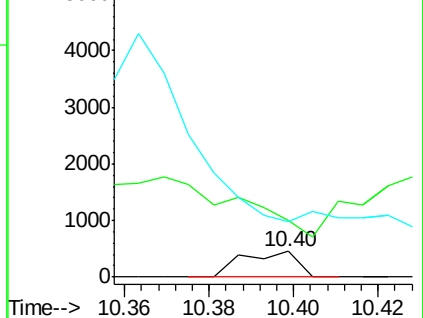
65 220.0 47.4 71.0#

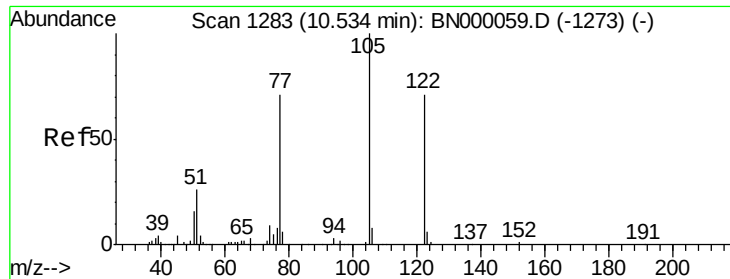


Abundance Ion 139.00 (138.70 to 139.70): BN000059.D (-1253) (-)

Ion 109.00 (108.70 to 109.70): BN000059.D (-1253) (-)

Ion 65.00 (64.70 to 65.70): BN000059.D (-1253) (-)

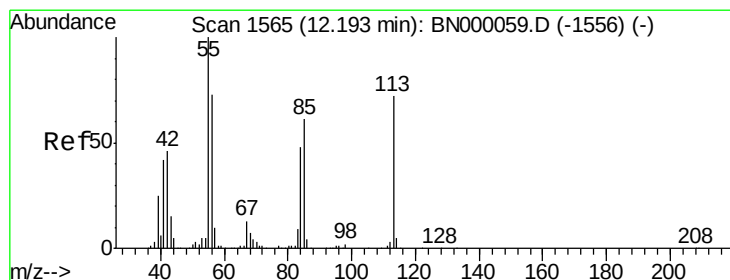
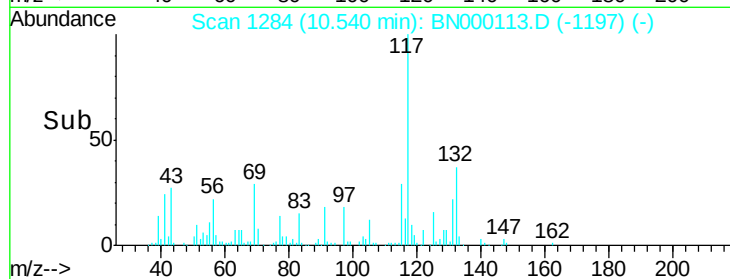
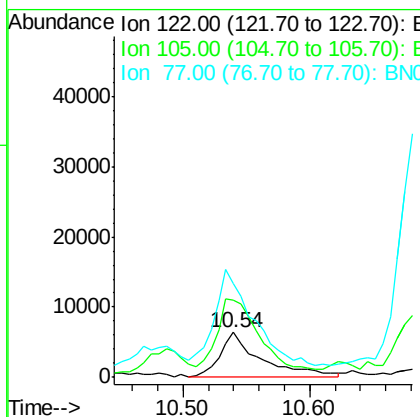
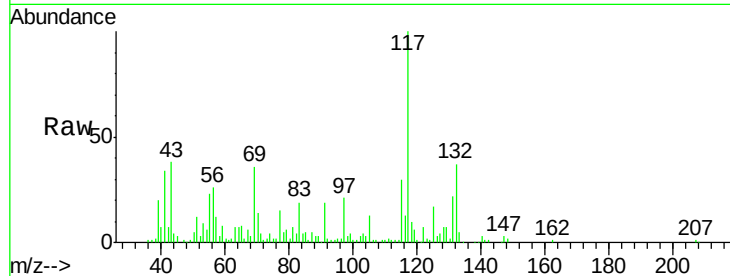




#32
Benzoic acid
Concen: 10.92 ng
RT: 10.54 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

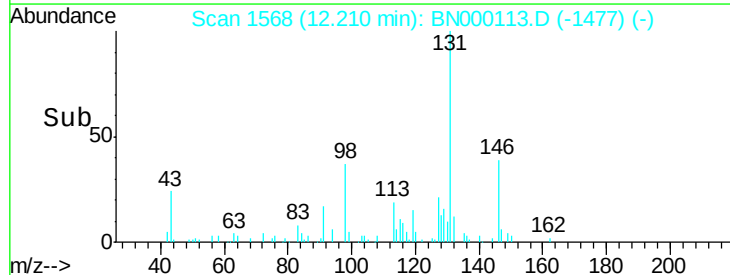
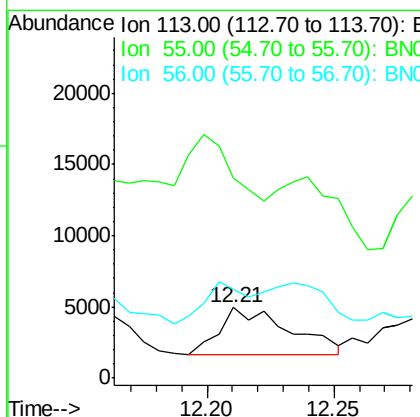
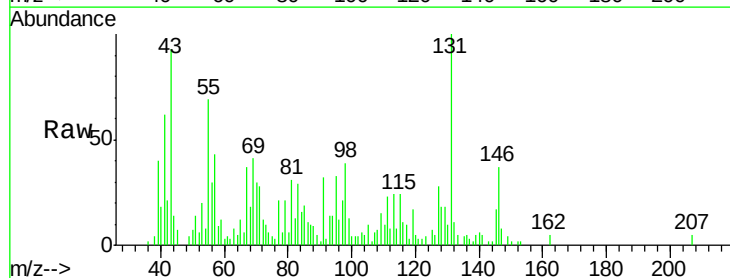
Instrument :
BNA_N
ClientSampleId :

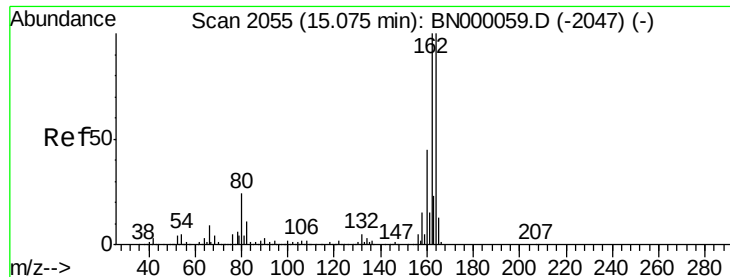
Tot Ion:122 Resp: 14491
Ion Ratio Lower Upper
122 100
105 172.9 123.5 163.5#
77 209.0 85.7 125.7#



#35
Caprolactam
Concen: 4.37 ng
RT: 12.21 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion:113 Resp: 6330
Ion Ratio Lower Upper
113 100
55 283.7 120.0 160.0#
56 125.0 90.0 130.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.07 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Instrument :

BNA_N

ClientSampleId :

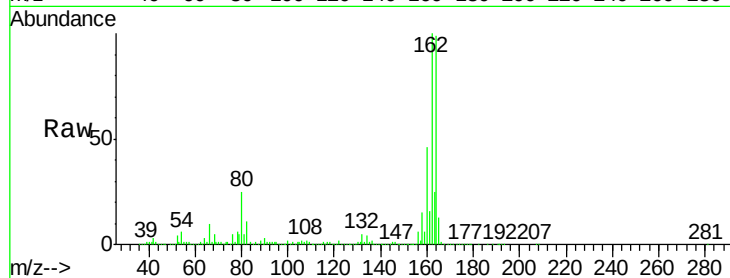
Tot Ion:164 Resp: 1620945

Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

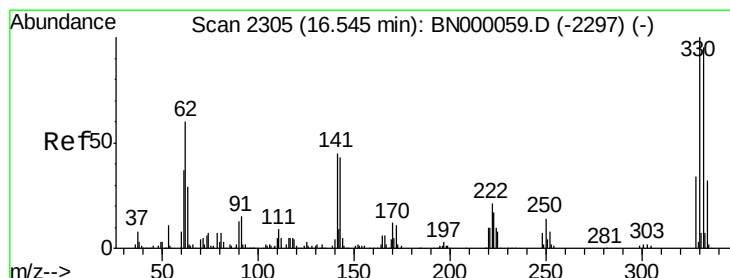
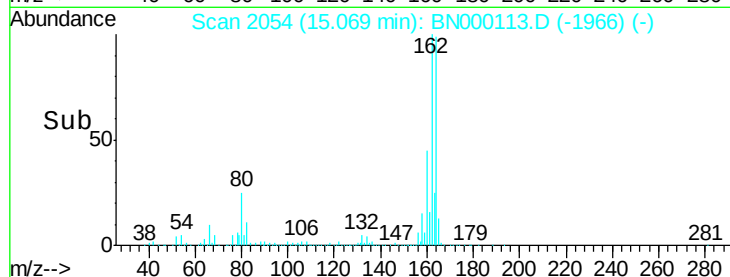
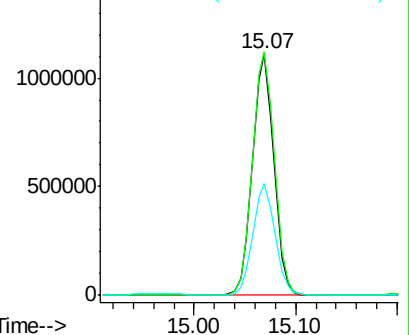
160 46.3 35.4 53.0



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: 135.04 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

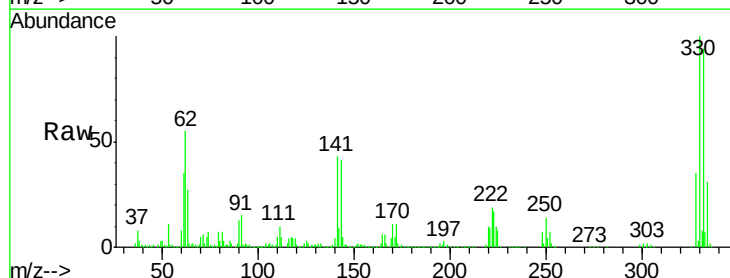
Tgt Ion:330 Resp: 2166632

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

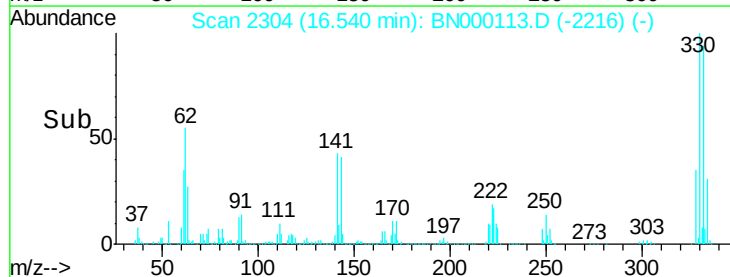
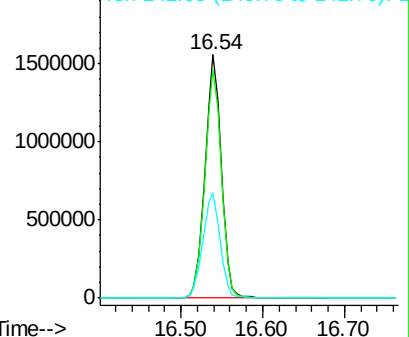
141 45.8 25.2 37.8#

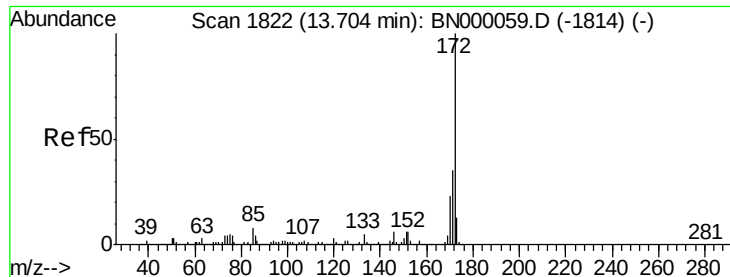


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

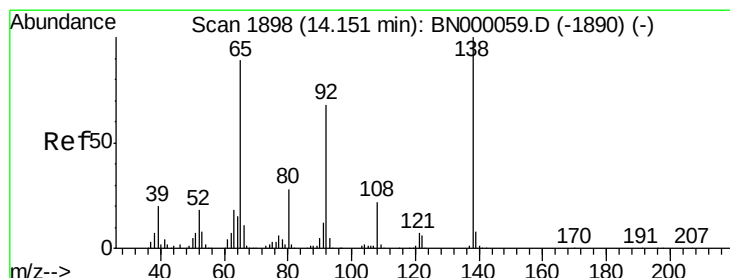
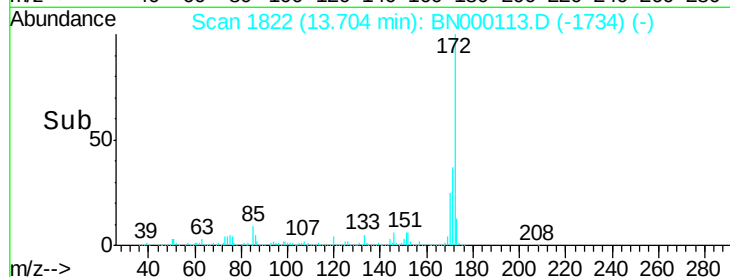
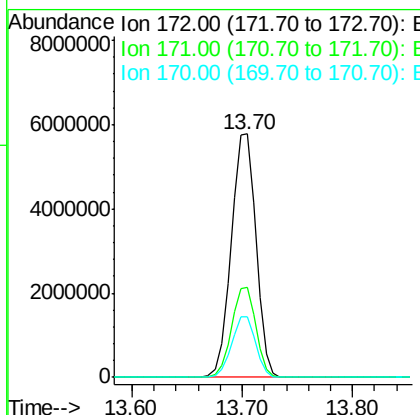
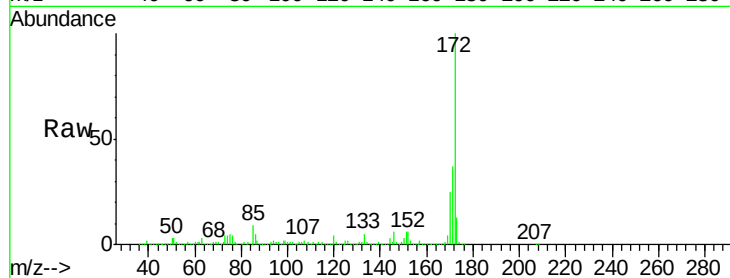




#44
2-Fluorobiphenyl
Concen: 79.25 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

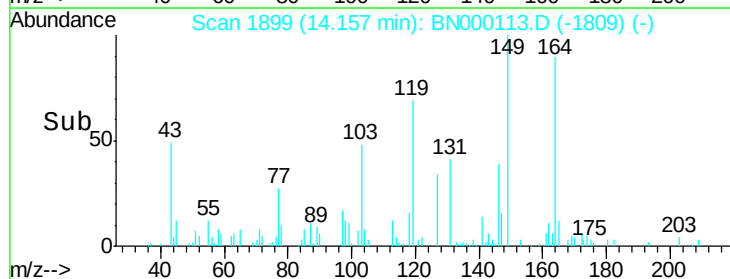
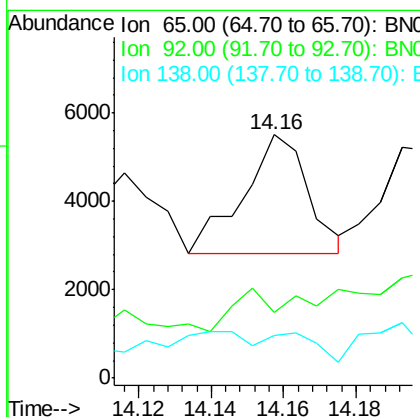
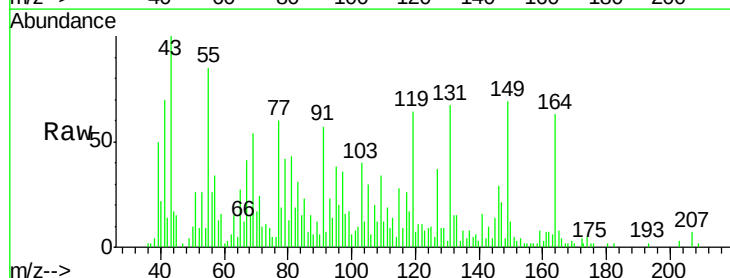
Instrument :
BNA_N
ClientSampleId :

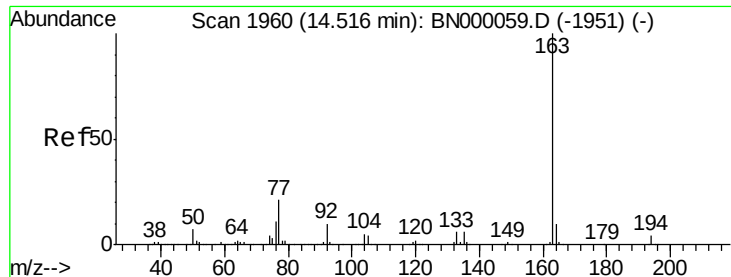
Tot Ion:172 Resp: 9114272
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 24.9 19.5 29.3



#47
2-Nitroaniline
Concen: 4.97 ng
RT: 14.16 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion: 65 Resp: 3319
Ion Ratio Lower Upper
65 100
92 27.0 54.6 82.0#
138 17.6 72.9 109.3#





#49

Dimethylphthalate

Concen: 3.23 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Instrument :

BNA_N

ClientSampleId :

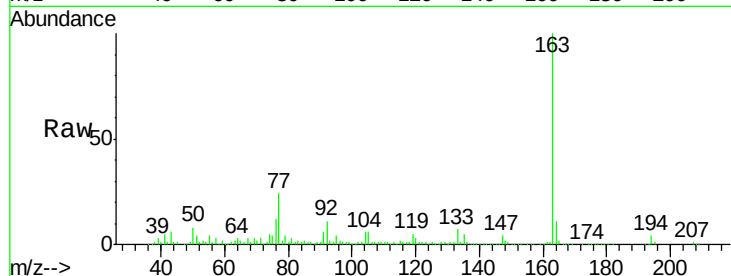
Tot Ion:163 Resp: 437858

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.2

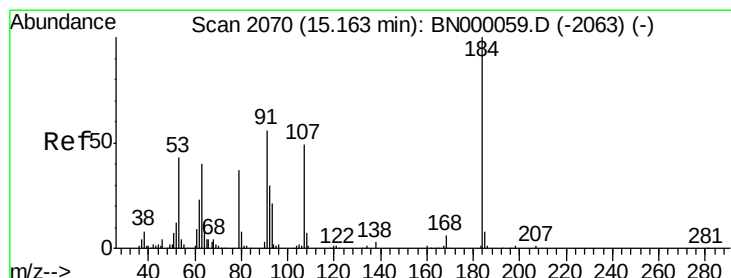
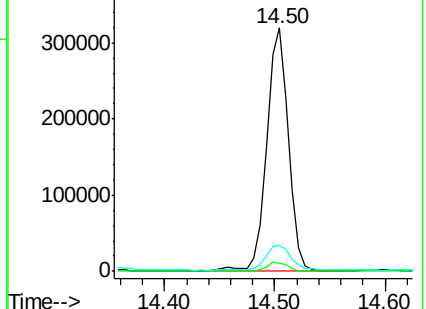
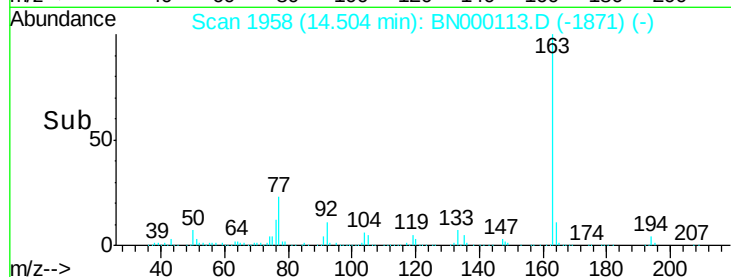
164 10.8 8.2 12.4



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



#53

2,4-Dinitrophenol

Concen: 9.25 ng

RT: 15.15 min Scan# 2067

Delta R.T. -0.02 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

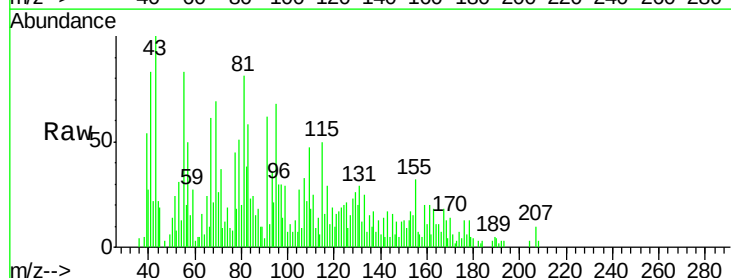
Tgt Ion:184 Resp: 286

Ion Ratio Lower Upper

184 100

63 514.4 80.0 120.0#

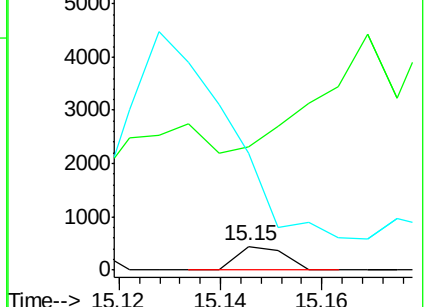
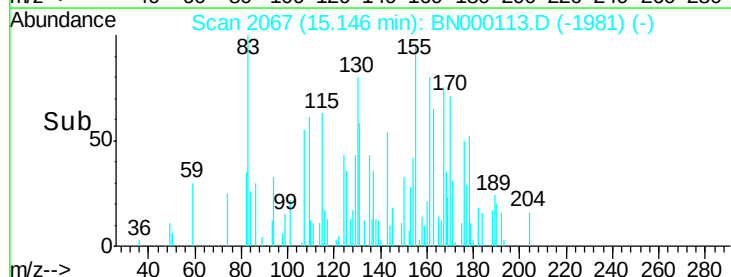
154 487.4 308.0 462.0#

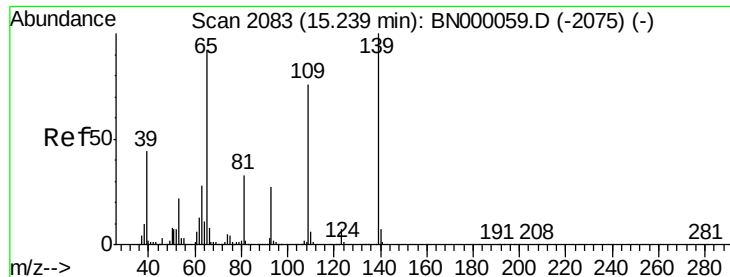


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 154.00 (153.70 to 154.70): E

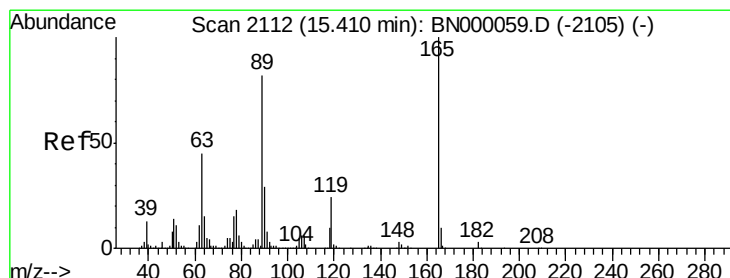
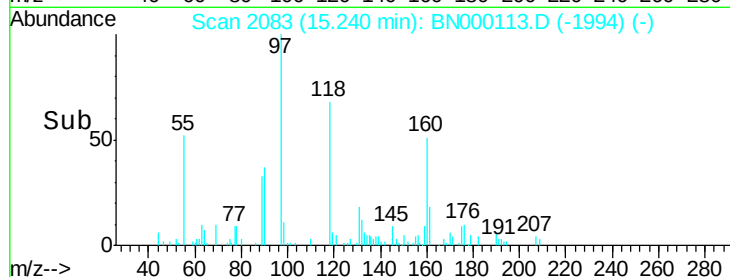
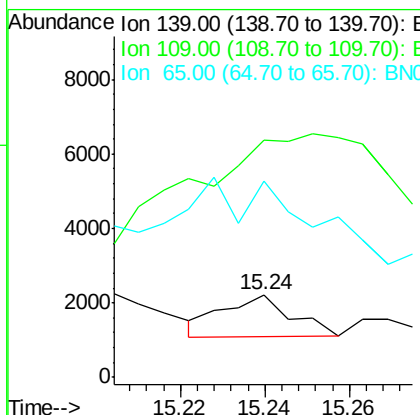
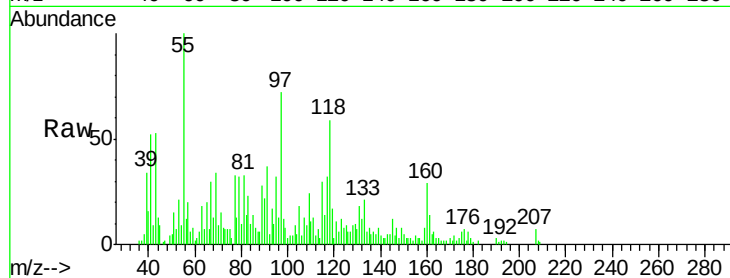




#55
4-Nitrophenol
Concen: 5.02 ng
RT: 15.24 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

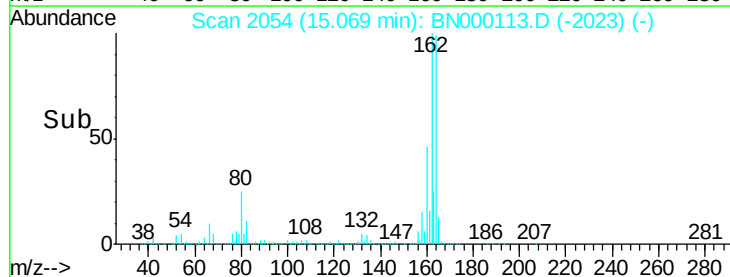
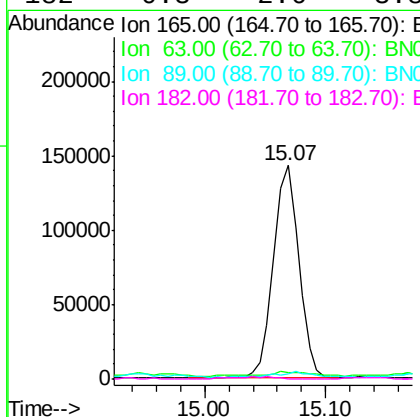
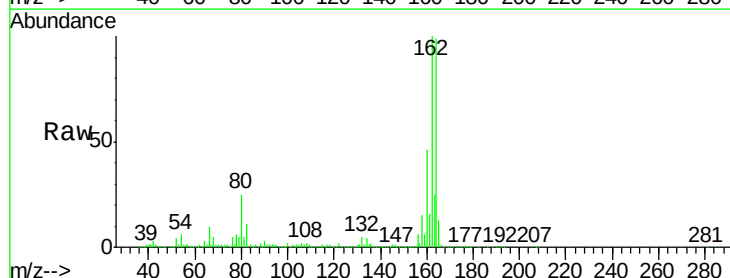
Instrument :
BNA_N
ClientSampled :

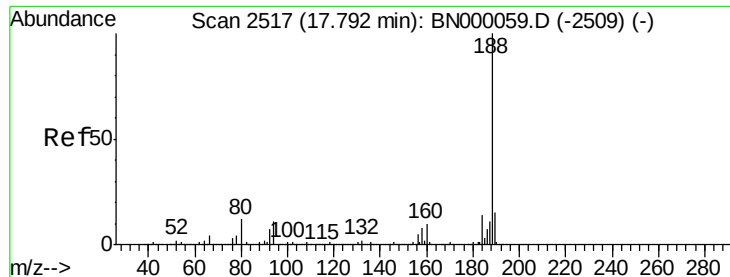
Tot Ion	Ratio	Lower	Upper
139	100		
109	286.9	62.2	102.2#
65	238.3	97.2	137.2#



#56
2,4-Dinitrotoluene
Concen: 8.98 ng
RT: 15.07 min Scan# 2054
Delta R.T. -0.35 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.2	42.0	63.0#
89	2.5	66.9	100.3#
182	0.3	2.6	3.8#

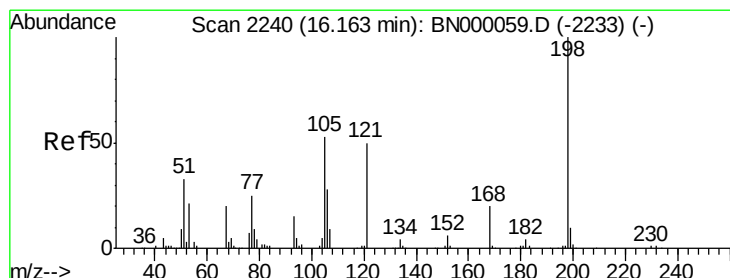
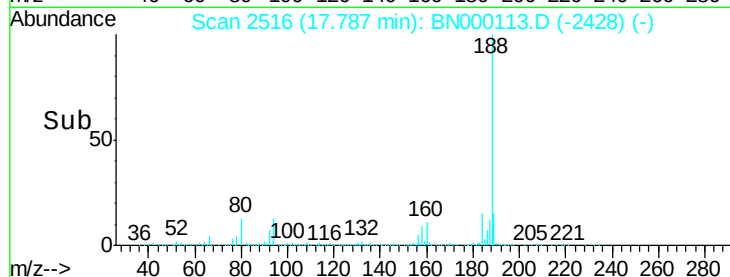
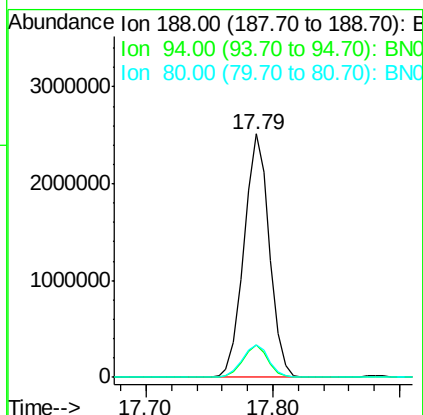
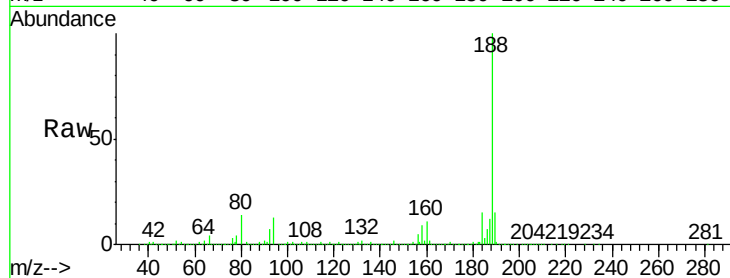




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.79 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

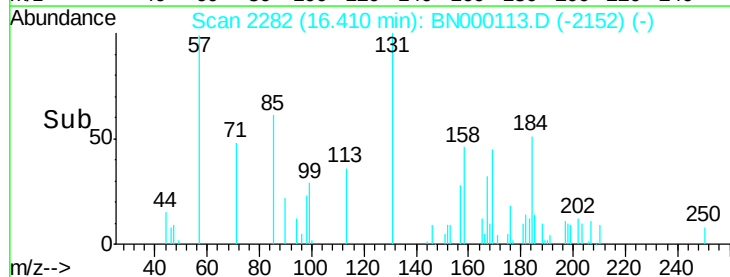
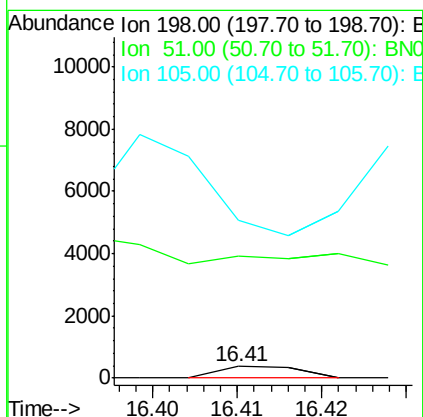
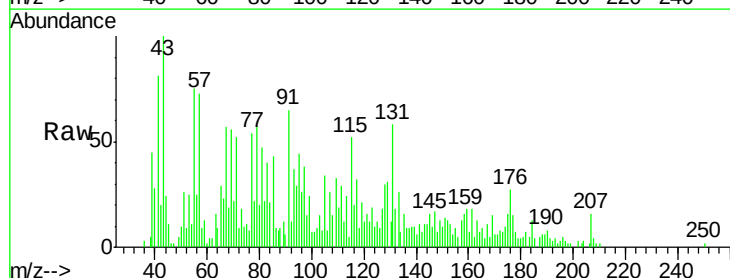
Instrument :
BNA_N
ClientSampleId :

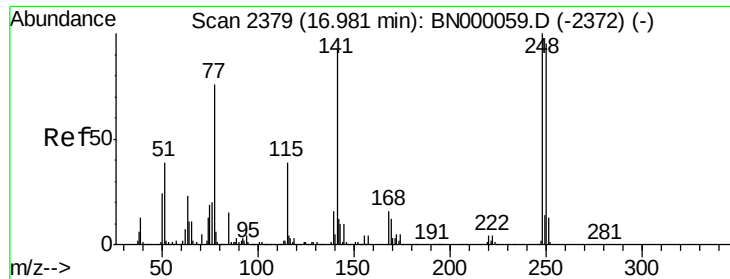
Tot Ion:188 Resp: 3476555
Ion Ratio Lower Upper
188 100
94 13.1 6.9 10.3#
80 13.6 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.72 ng
RT: 16.41 min Scan# 2282
Delta R.T. 0.24 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion:198 Resp: 251
Ion Ratio Lower Upper
198 100
51 1073.0 30.6 70.6#
105 1384.5 23.8 63.8#

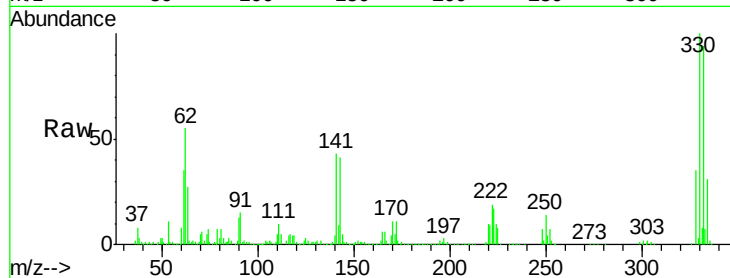




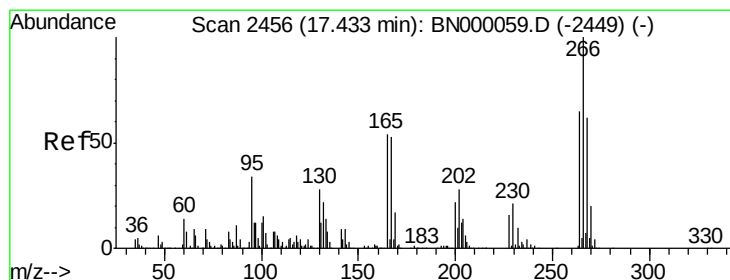
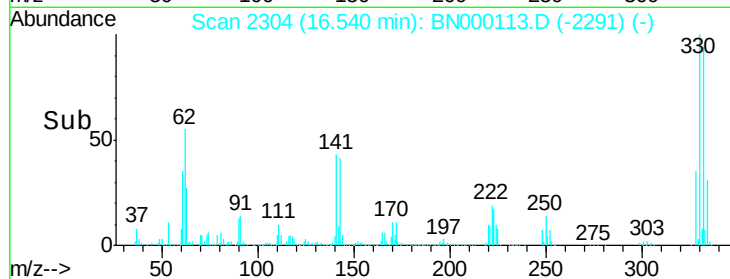
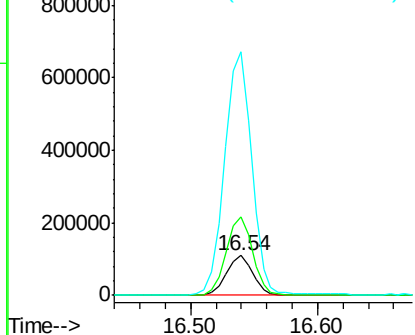
#66
4-Bromophenyl-phenylether
Concen: 4.71 ng
RT: 16.54 min Scan# 2304
Delta R.T. -0.45 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 155567
Ion Ratio Lower Upper
248 100
250 199.2 77.1 115.7#
141 614.7 50.8 76.2#

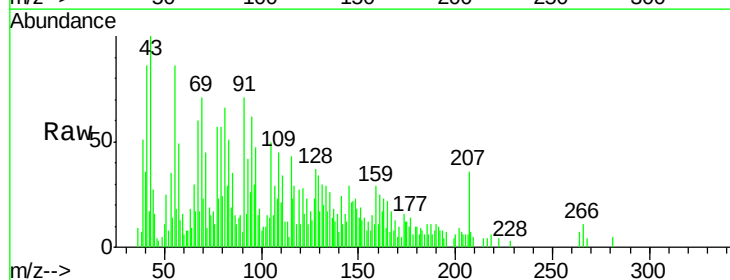


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

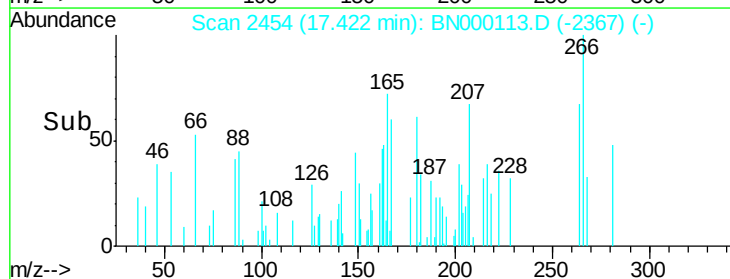
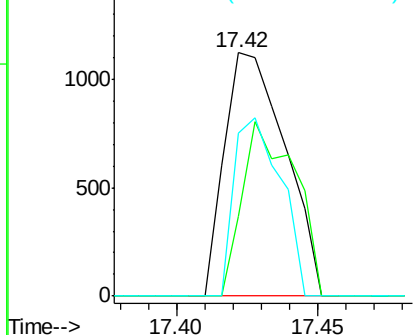


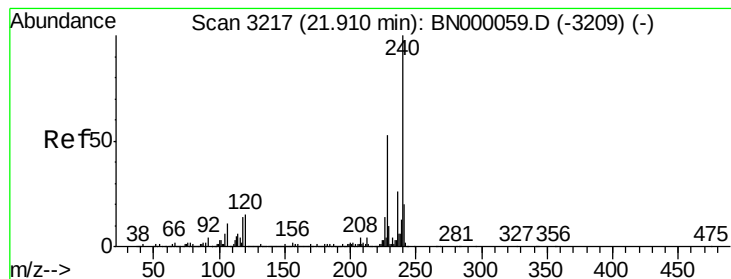
#69
Pentachlorophenol
Concen: 5.89 ng
RT: 17.42 min Scan# 2454
Delta R.T. -0.02 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion:266 Resp: 1681
Ion Ratio Lower Upper
266 100
268 32.9 51.1 76.7#
264 67.1 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

Instrument :

BNA_N

ClientSampleId :

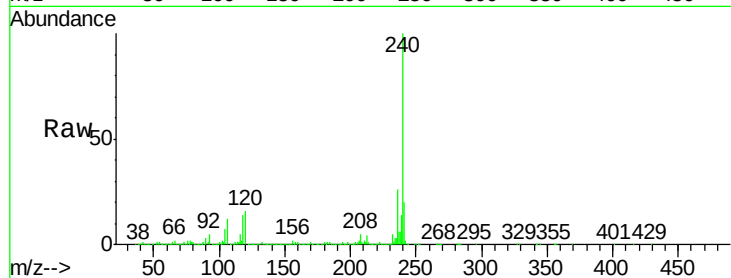
Tot Ion:240 Resp: 3512644

Ion Ratio Lower Upper

240 100

120 15.7 6.8 10.2#

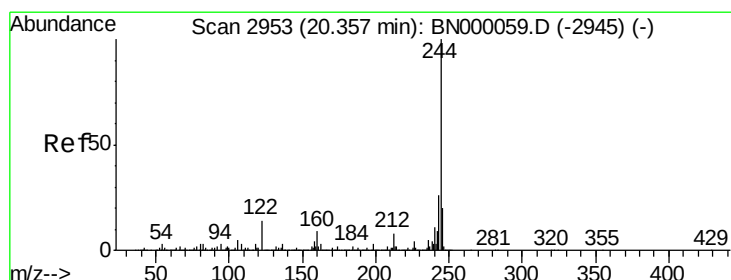
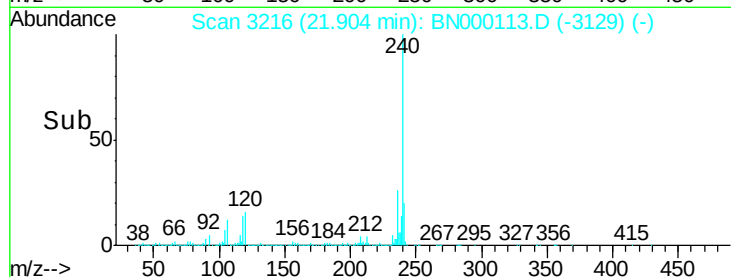
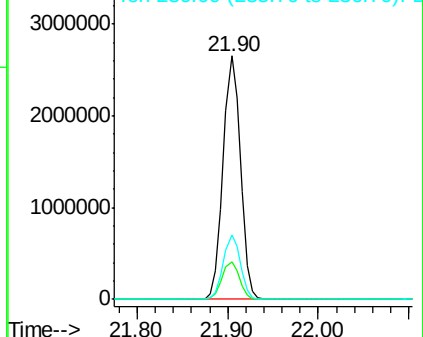
236 26.4 20.9 31.3



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: 85.25 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000113.D

Acq: 19 Feb 2018 17:03

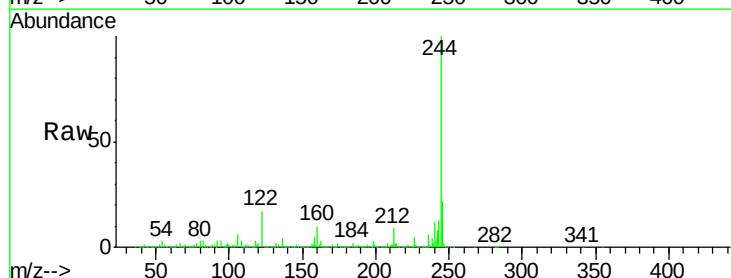
Tgt Ion:244 Resp:11090704

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

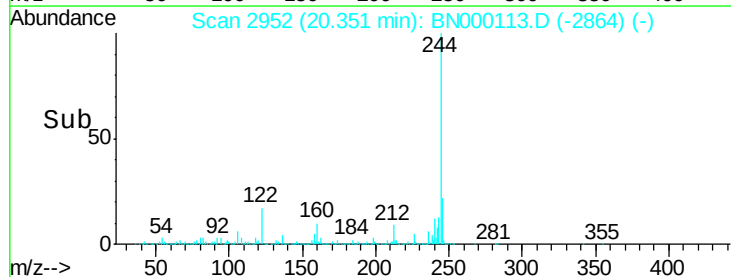
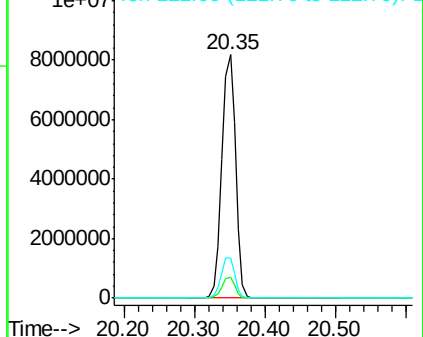
122 16.7 7.0 10.4#

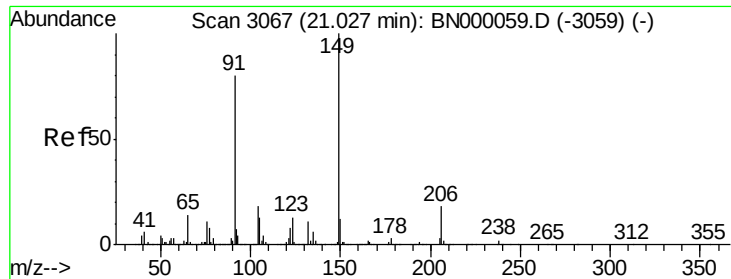


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

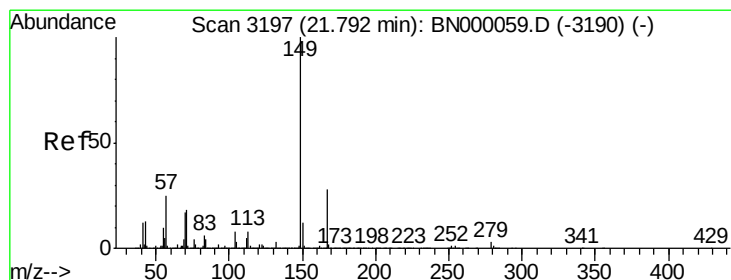
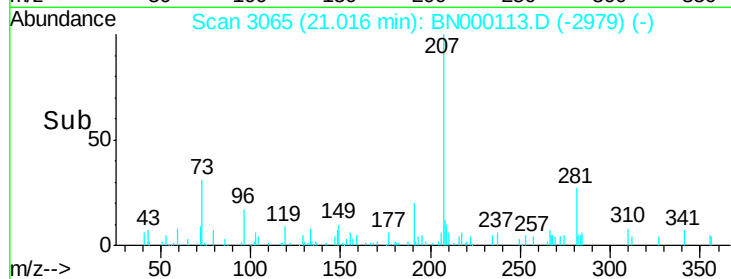
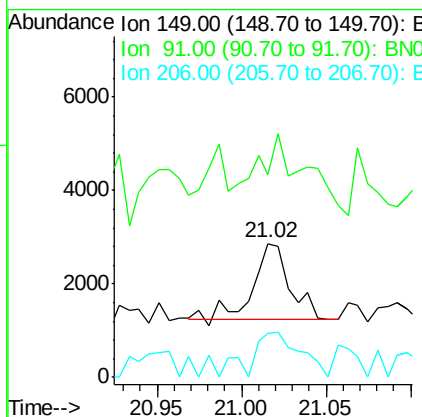
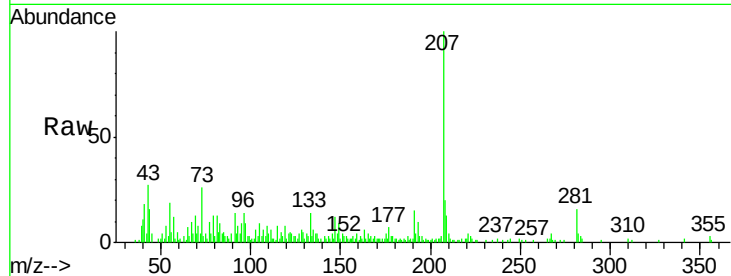




#79
 Butylbenzylphthalate
 Concen: 5.40 ng
 RT: 21.02 min Scan# 3065
 Delta R.T. -0.02 min
 Lab File: BN000113.D
 Acq: 19 Feb 2018 17:03

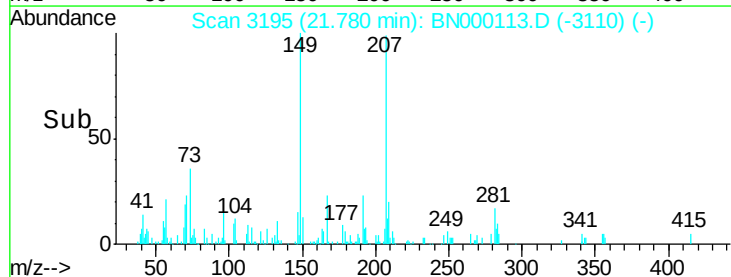
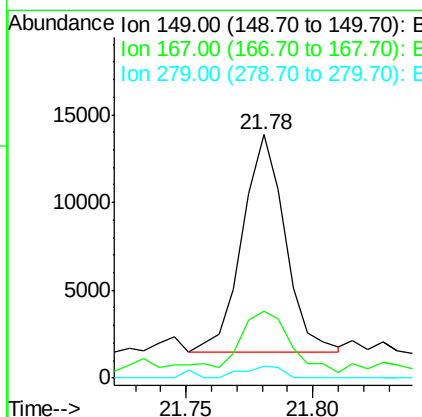
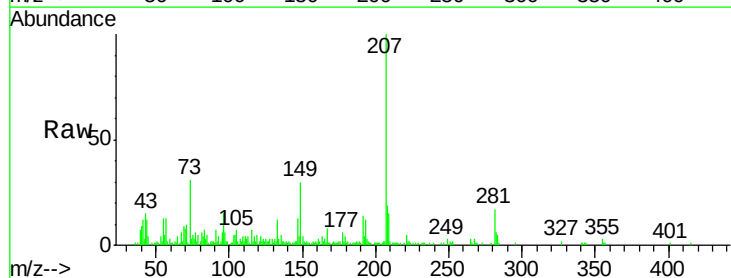
Instrument :
 BNA_N
 ClientSampleId :

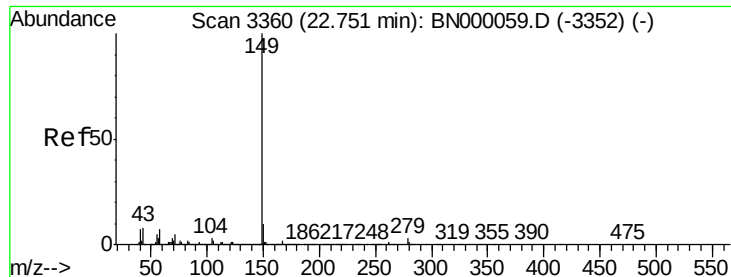
Tot Ion	Ratio	Lower	Upper
149	100		
91	150.8	62.2	93.2#
206	32.7	18.6	27.8#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.99 ng
 RT: 21.78 min Scan# 3195
 Delta R.T. -0.03 min
 Lab File: BN000113.D
 Acq: 19 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	24.3	36.5
279	4.7	4.0	6.0

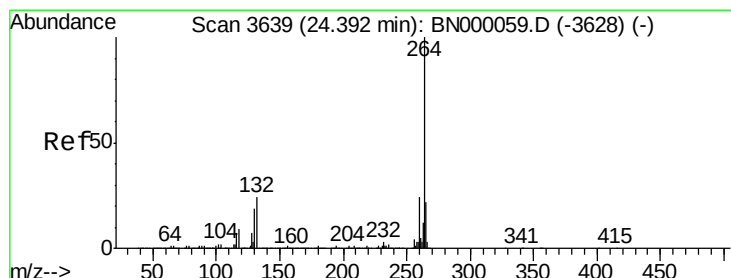
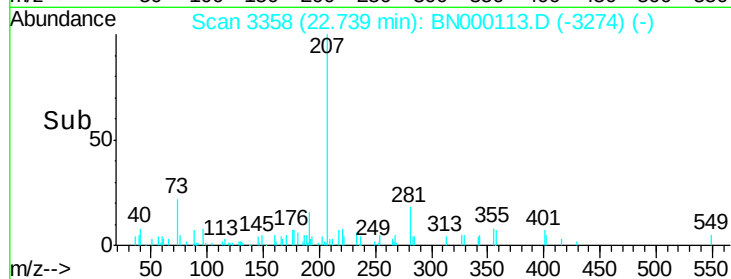
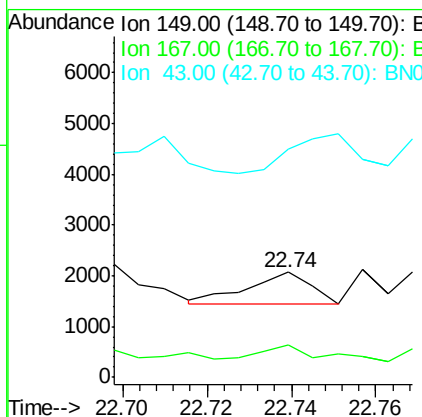
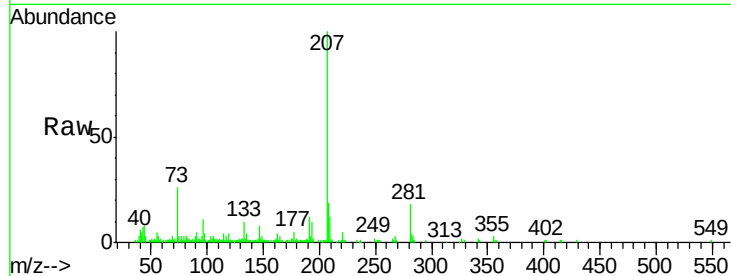




#84
Di-n-octyl phthalate
Concen: 6.73 ng
RT: 22.74 min Scan# 3358
Delta R.T. -0.03 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Instrument :
BNA_N
ClientSampled :

Tot Ion:149 Resp: 651
Ion Ratio Lower Upper
149 100
167 45.3 1.4 2.0#
43 130.3 8.9 13.3#



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000113.D
Acq: 19 Feb 2018 17:03

Tgt Ion:264 Resp: 3721669
Ion Ratio Lower Upper
264 100
260 24.2 17.4 26.0
265 22.0 17.7 26.5

