

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105039.D
 Acq On : 2 May 2018 18:56
 Operator : JU/SJ
 Sample : J2626-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(90-92)

Quant Time: May 03 04:24:39 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

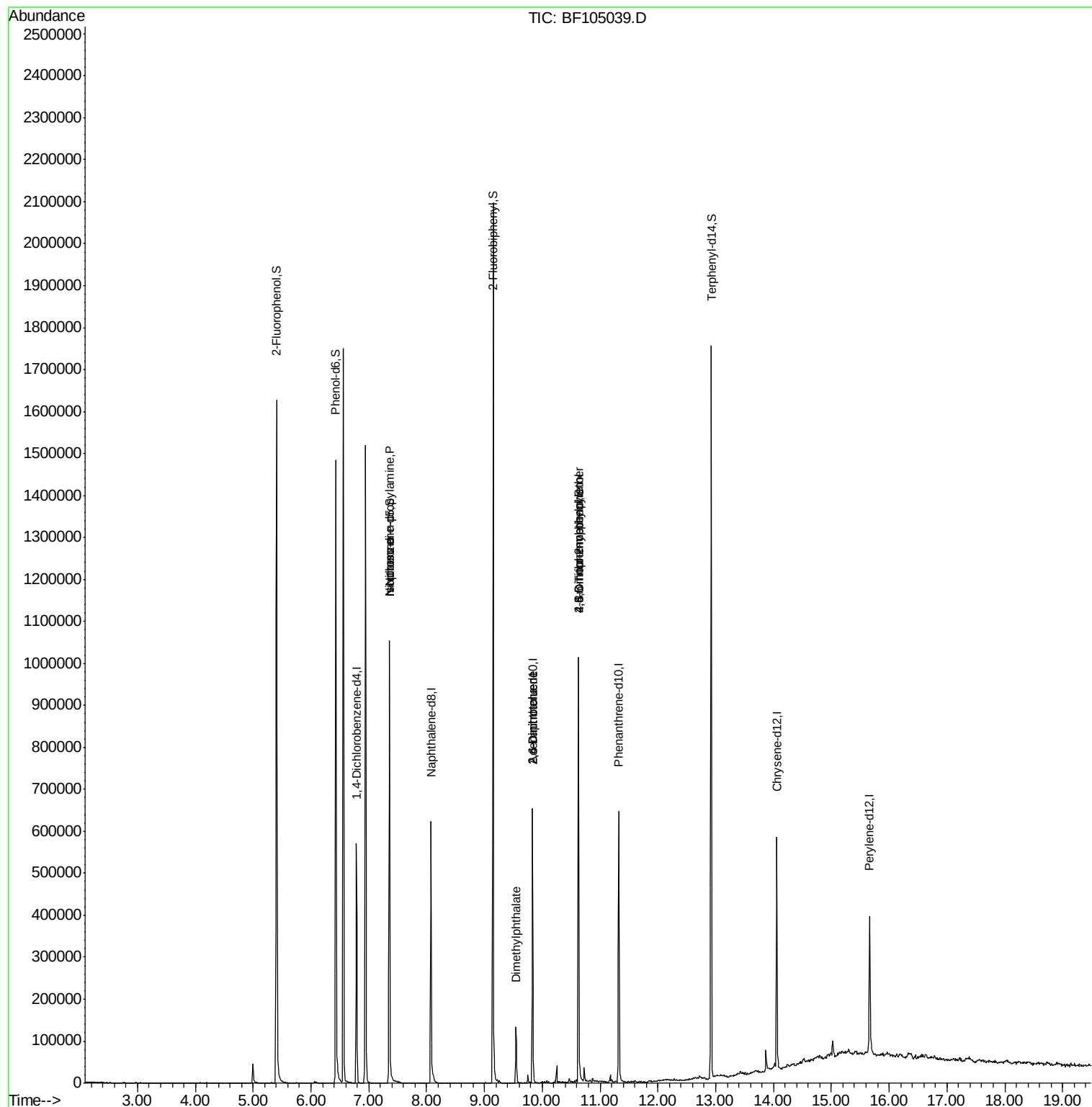
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	82227	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	330049	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	147208	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	246461	20.00	ng	0.00
75) Chrysene-d12	14.06	240	205038	20.00	ng	0.02
86) Perylene-d12	15.66	264	162974	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	508857	94.62	ng	0.00
7) Phenol-d6	6.43	99	611519	92.55	ng	-0.01
23) Nitrobenzene-d5	7.36	82	359909	71.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	143931	94.26	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	666046	71.48	ng	0.00
78) Terphenyl-d14	12.92	244	563974	62.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	46090	10.675	ng	# 71
25) Isophorone	7.36	82	359907	33.673	ng	# 64
49) Dimethylphthalate	9.55	163	63806	5.496	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	18178	8.463	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	18178	6.452	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.63	198	125	7.435	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8894	3.393	ng	# 1
76) Benzidine	12.92	184	7500	Below Cal		96

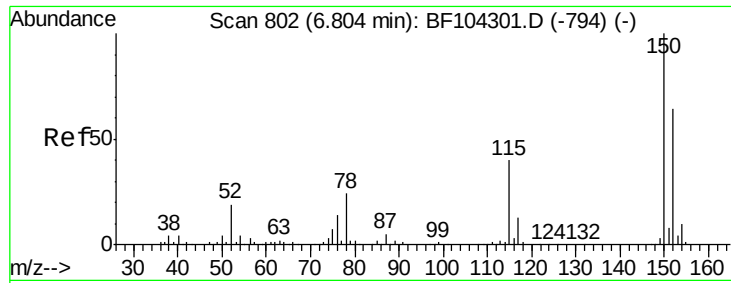
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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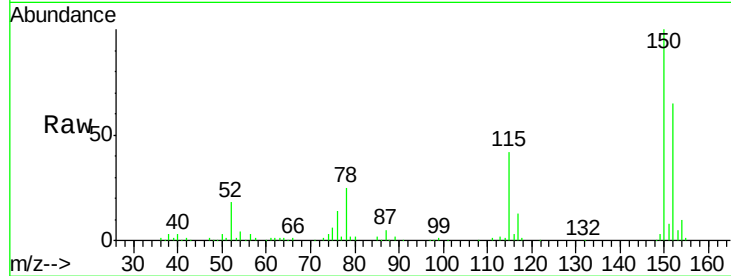


#1

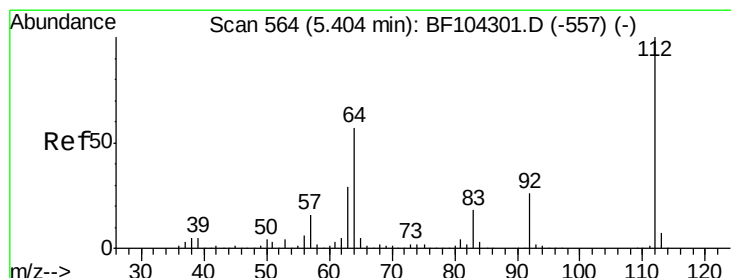
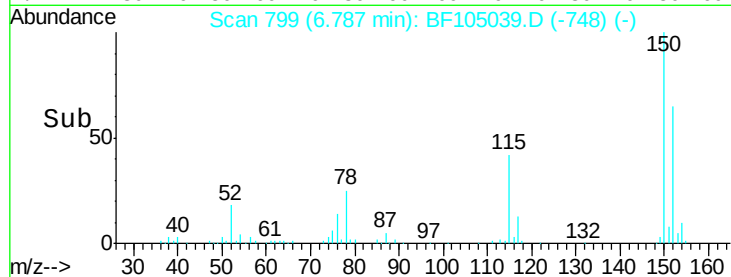
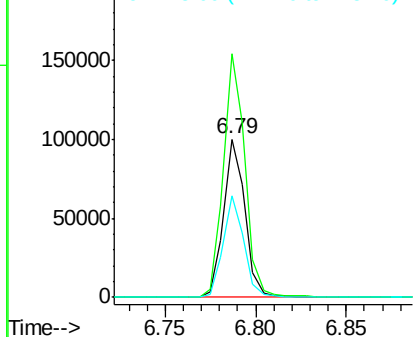
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF105039.D
Acq: 2 May 2018 18:56

Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(90-92)

Tgt Ion:152 Resp: 82227
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 64.6 50.1 75.1



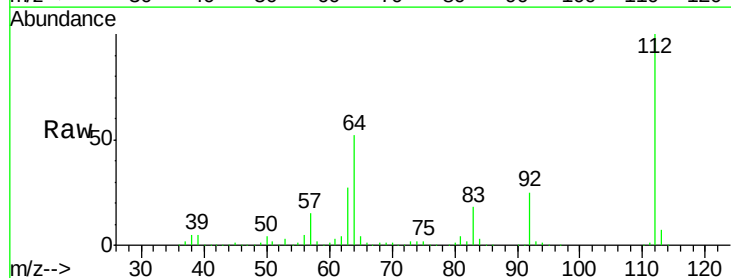
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



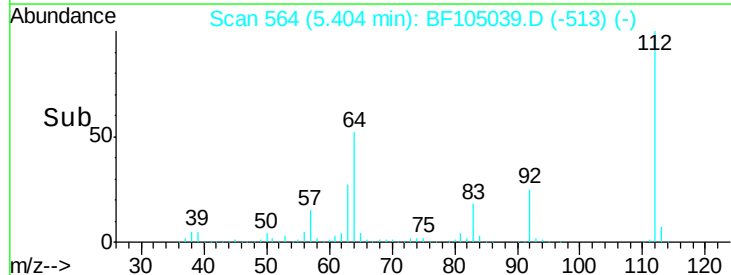
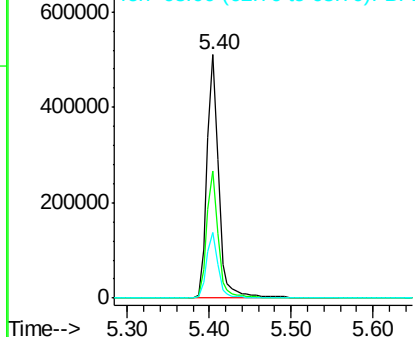
#5

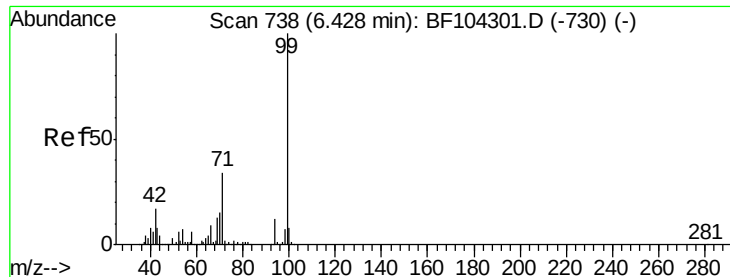
2-Fluorophenol
Concen: 94.625 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF105039.D
Acq: 2 May 2018 18:56

Tgt Ion:112 Resp: 508857
Ion Ratio Lower Upper
112 100
64 52.2 47.9 71.9
63 27.1 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: 92.551 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(90-92)

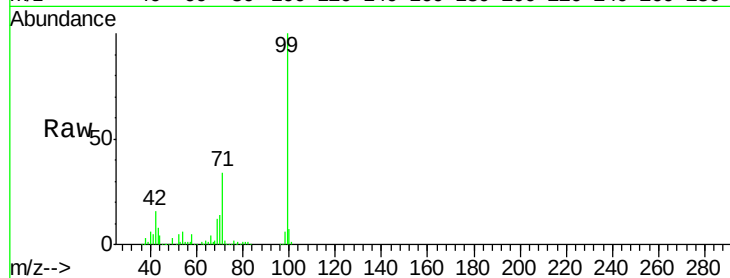
Tgt Ion: 99 Resp: 611519

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

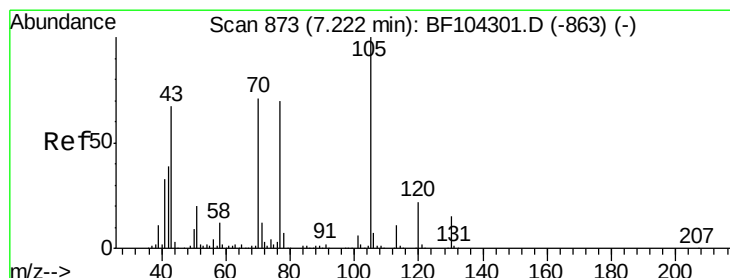
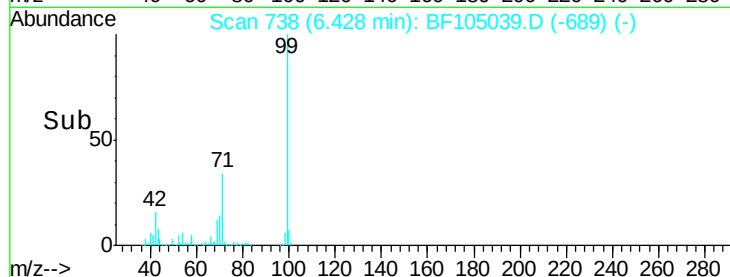
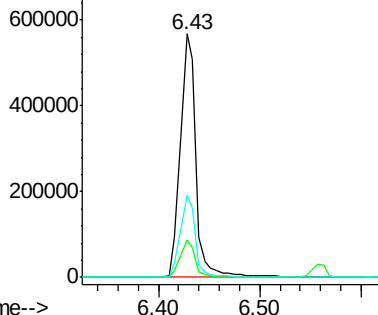
71 33.8 25.4 38.0



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: 10.675 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Tgt Ion: 70 Resp: 46090

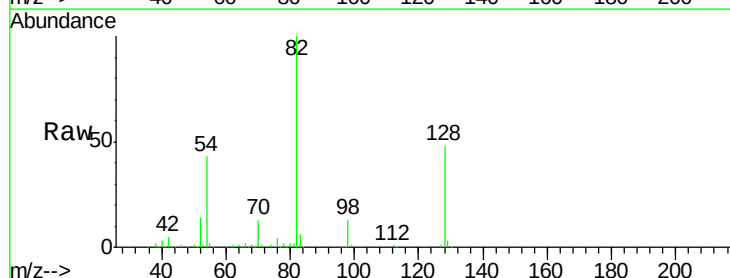
Ion Ratio Lower Upper

70 100

42 40.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

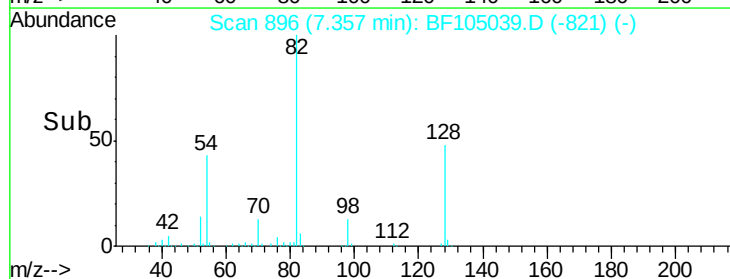
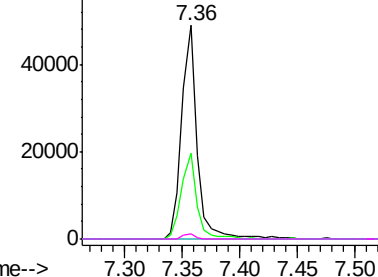


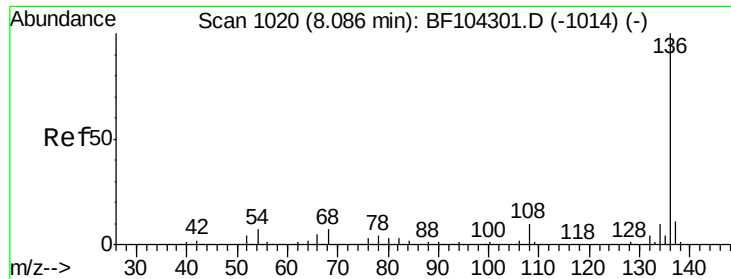
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

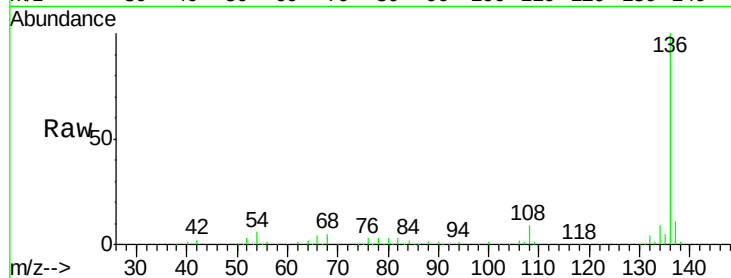




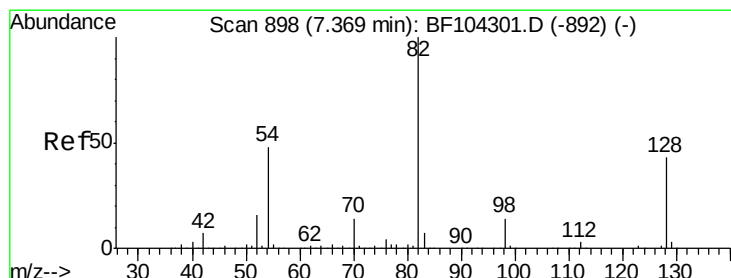
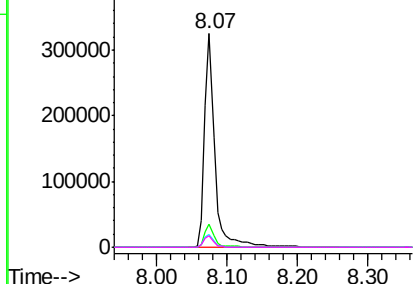
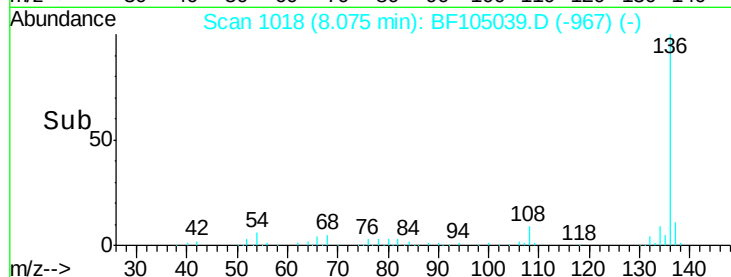
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105039.D
Acq: 2 May 2018 18:56

Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(90-92)

Tgt Ion:	136	Resp:	330049
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	5.9	6.6	9.8#
68	5.3	5.0	7.4

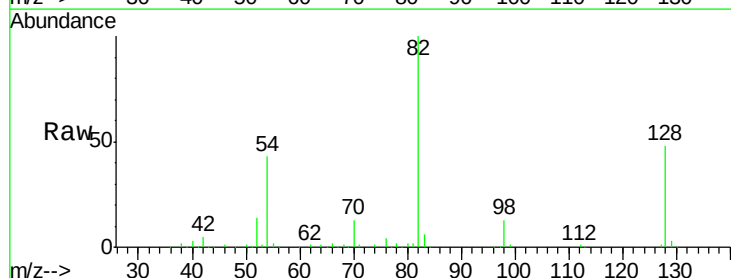


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

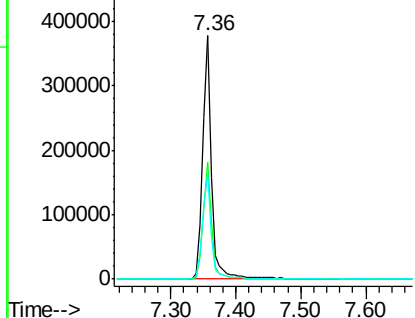
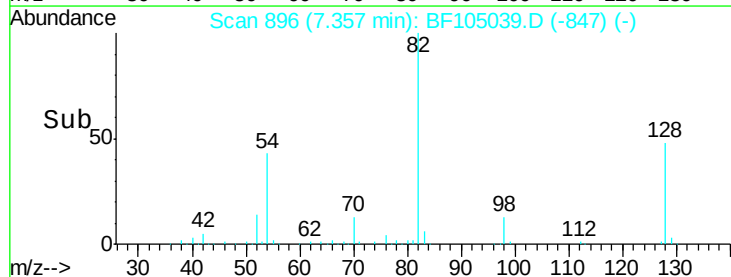


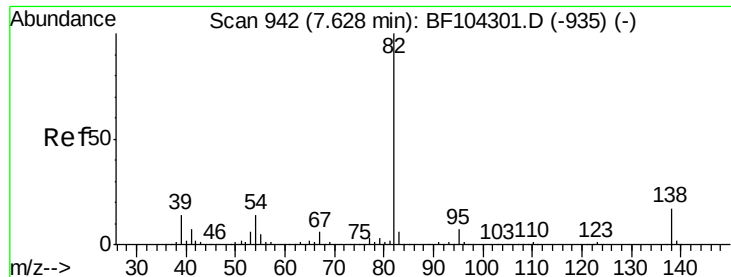
#23
Nitrobenzene-d5
Concen: 71.206 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105039.D
Acq: 2 May 2018 18:56

Tgt Ion:	82	Resp:	359909
Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	43.1	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: 33.673 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(90-92)

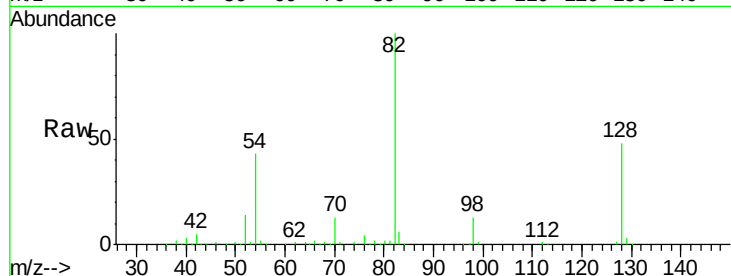
Tgt Ion: 82 Resp: 359907

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

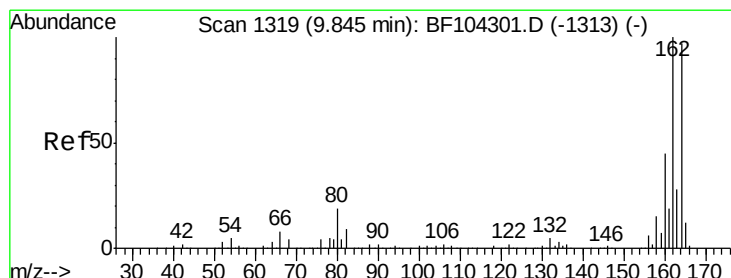
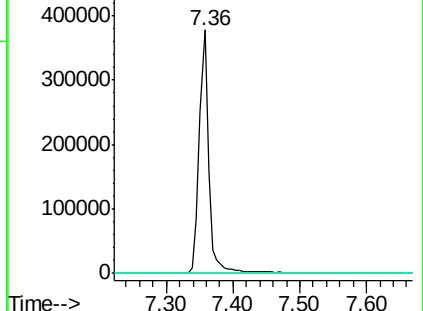
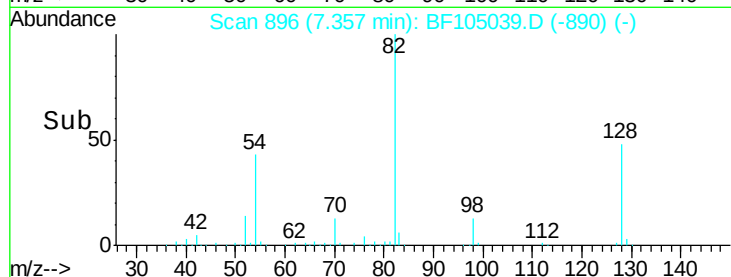
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

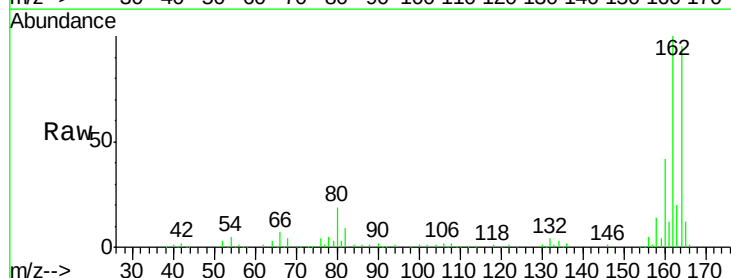
Tgt Ion: 164 Resp: 147208

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

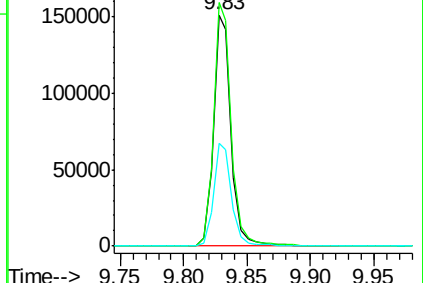
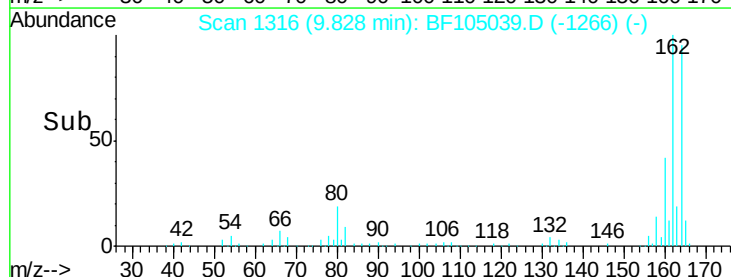
160 44.3 38.3 57.5

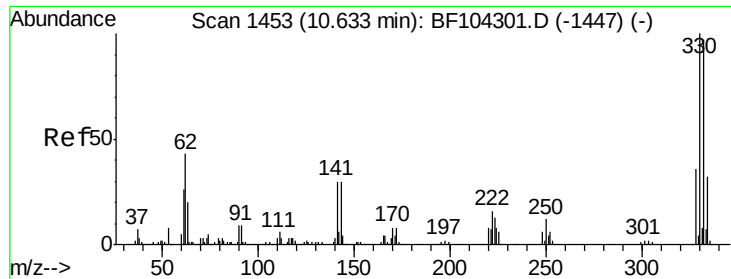


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 94.256 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(90-92)

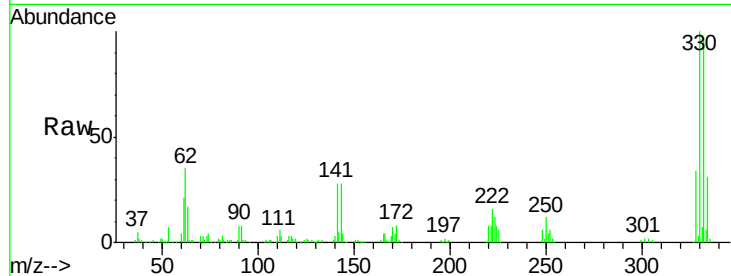
Tgt Ion:330 Resp: 143931

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

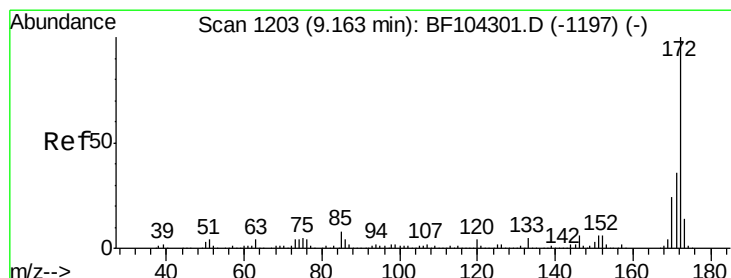
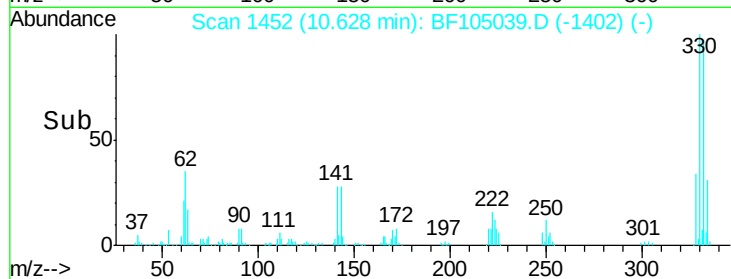
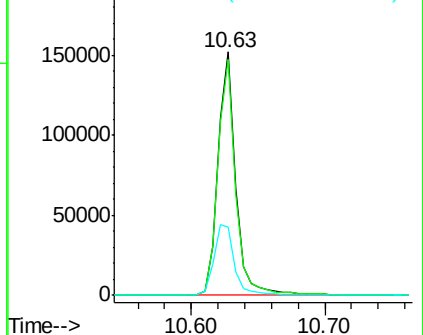
141 33.5 29.9 44.9



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: 71.476 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

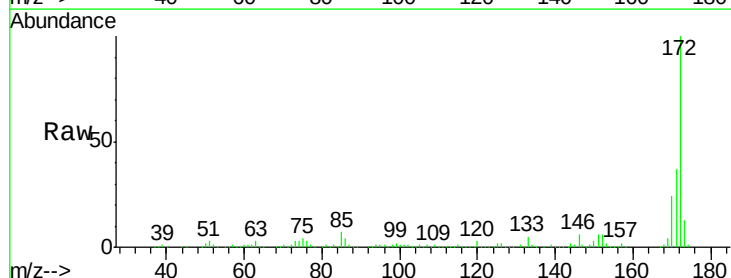
Tgt Ion:172 Resp: 666046

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

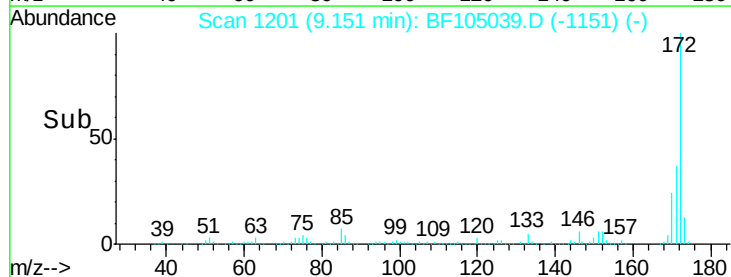
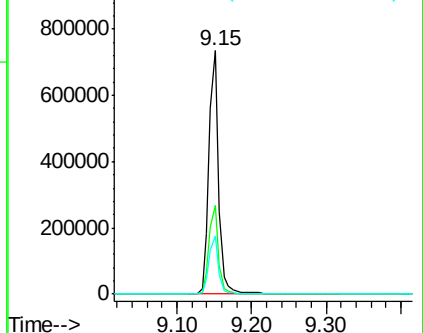
170 23.7 19.6 29.4

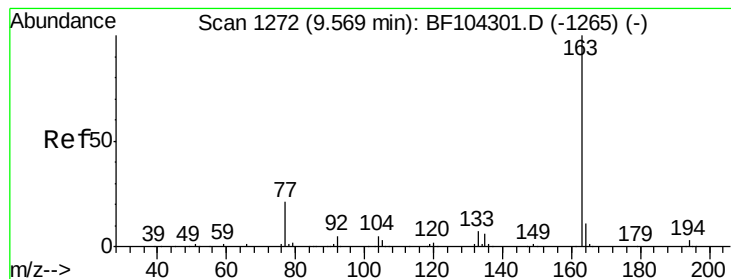


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 5.496 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(90-92)

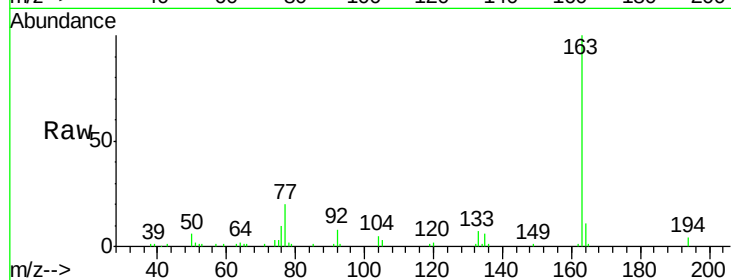
Tgt Ion:163 Resp: 63806

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

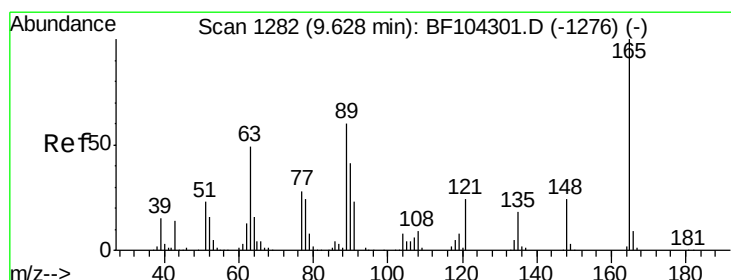
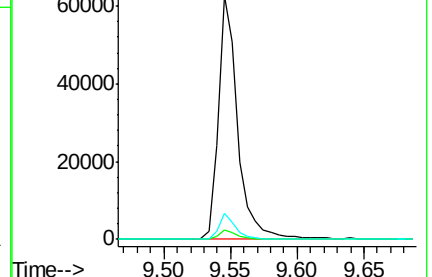
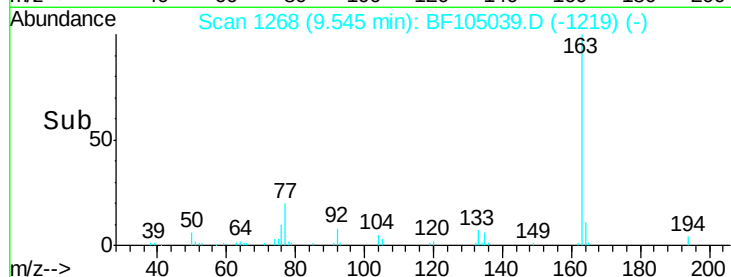
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.463 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

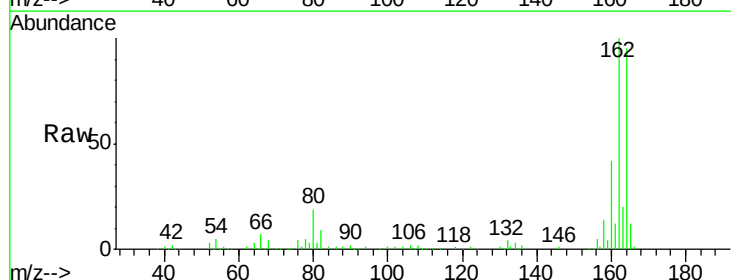
Tgt Ion:165 Resp: 18178

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

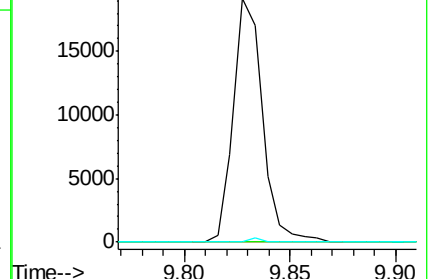
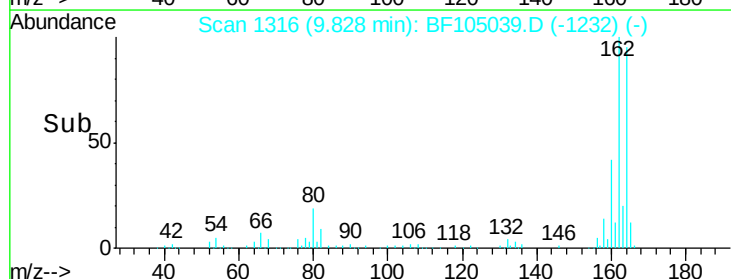
89 0.0 44.0 66.0#

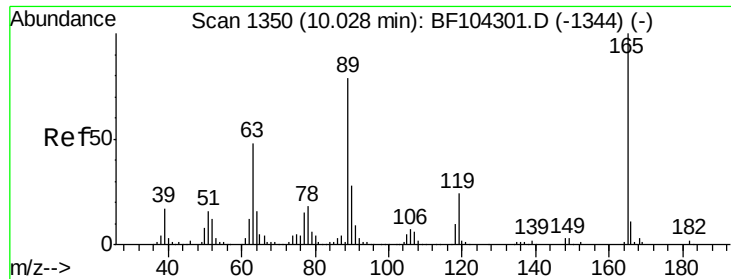


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

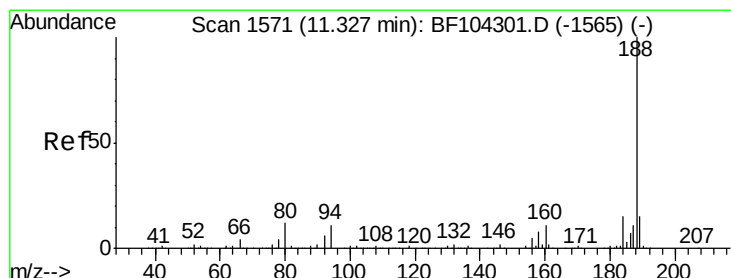
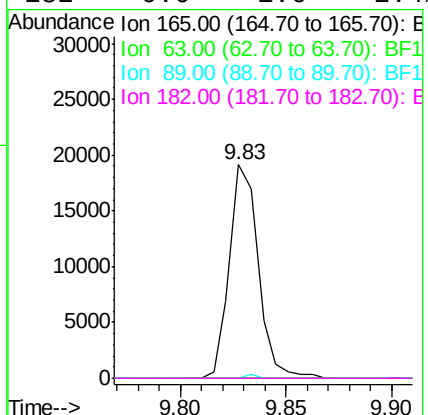
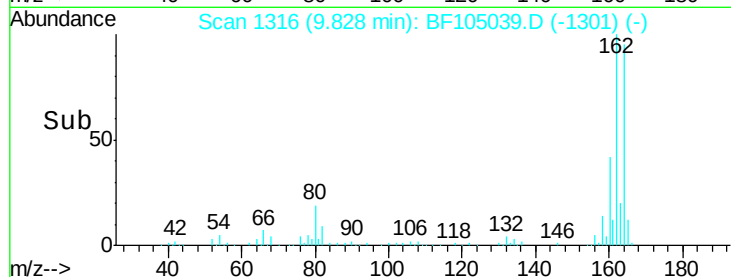
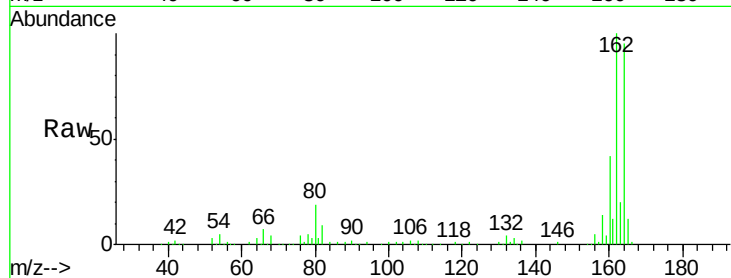




#56
 2,4-Dinitrotoluene
 Concen: 6.452 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105039.D
 Acq: 2 May 2018 18:56

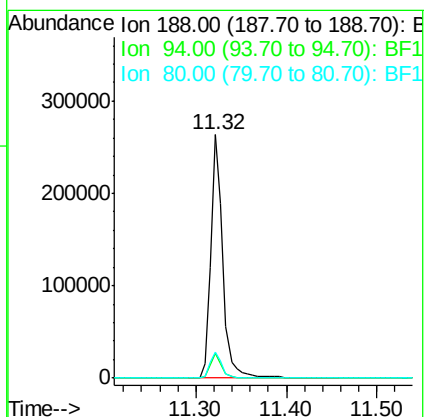
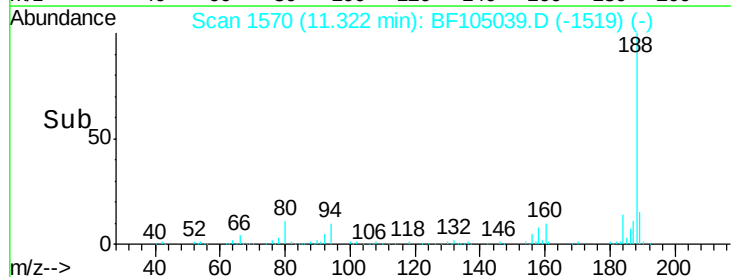
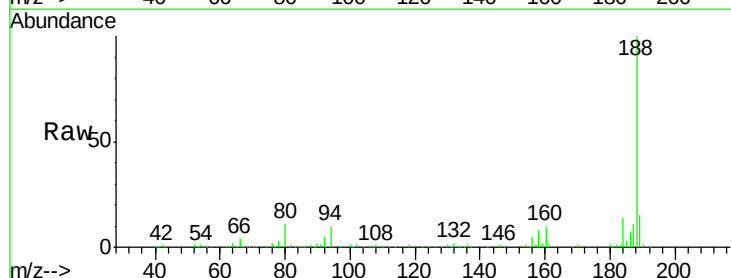
Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(90-92)

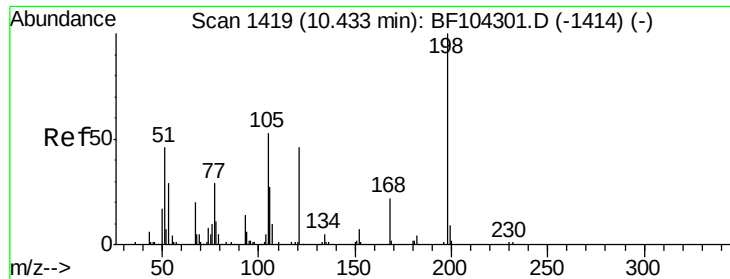
Tgt Ion:	165	Resp:	18178
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105039.D
 Acq: 2 May 2018 18:56

Tgt Ion:	188	Resp:	246461
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.9	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.435 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.18 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

Instrument :

BNA_F

ClientSampleId :

EPE-MX-4(90-92)

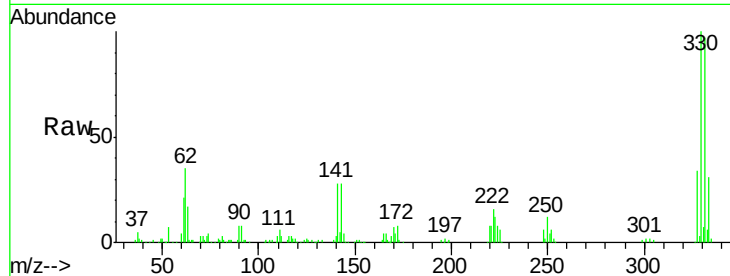
Tgt Ion:198 Resp: 125

Ion Ratio Lower Upper

198 100

51 121.1 37.7 77.7#

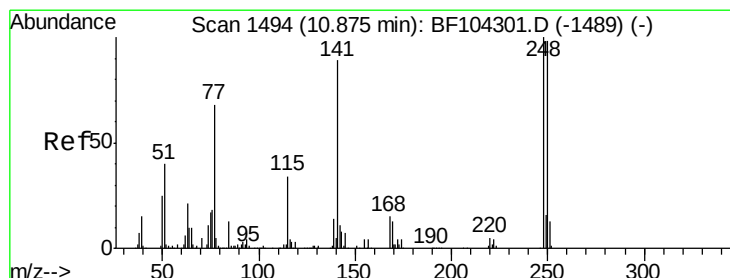
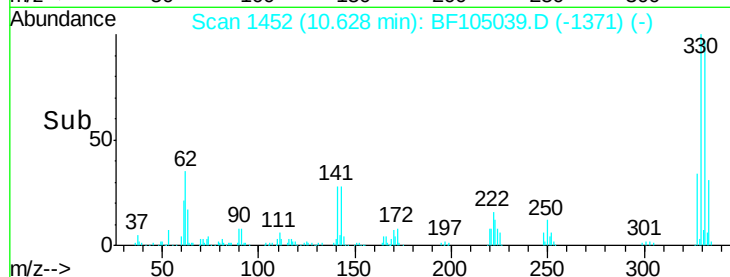
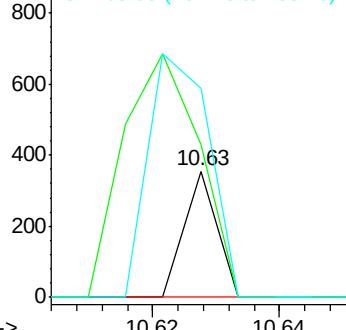
105 165.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.393 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF105039.D

Acq: 2 May 2018 18:56

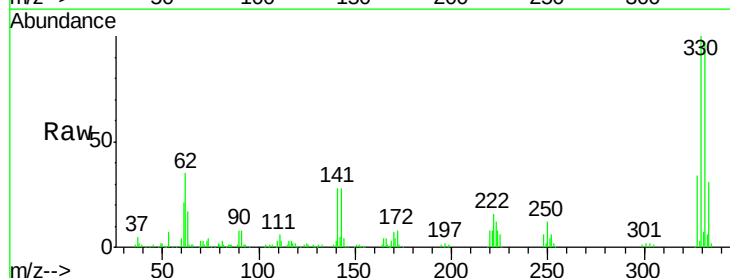
Tgt Ion:248 Resp: 8894

Ion Ratio Lower Upper

248 100

250 194.0 76.9 115.3#

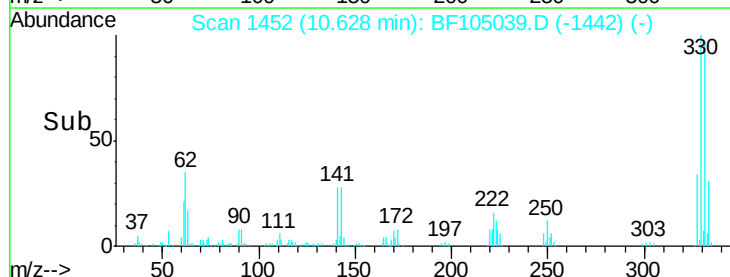
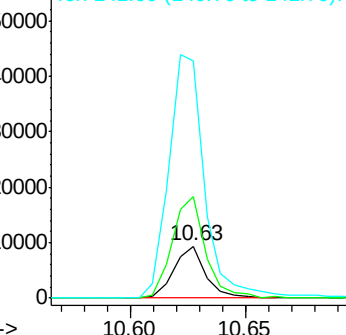
141 454.9 74.4 111.6#

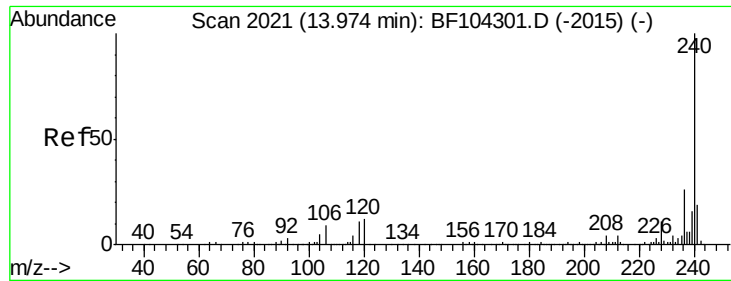


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

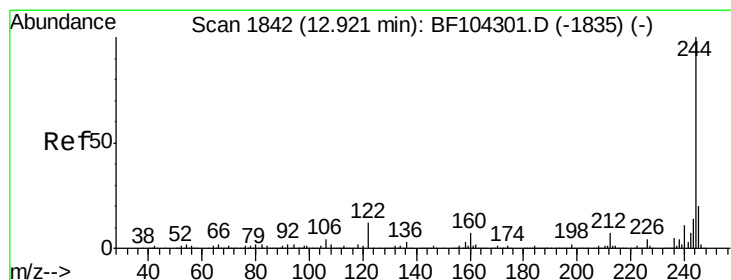
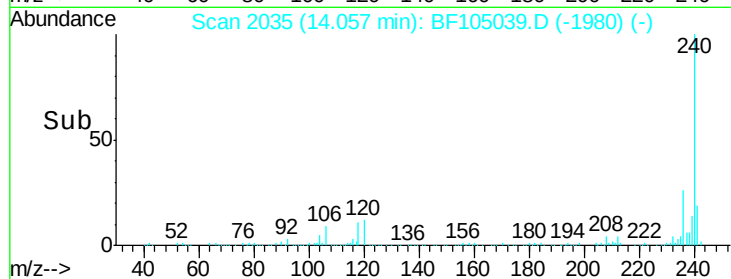
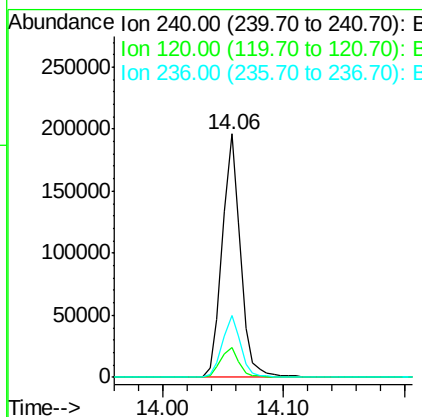
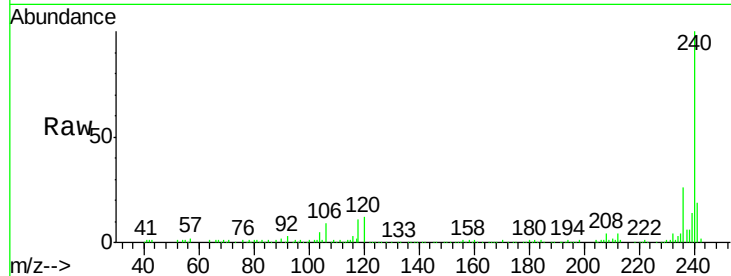




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.02 min
 Lab File: BF105039.D
 Acq: 2 May 2018 18:56

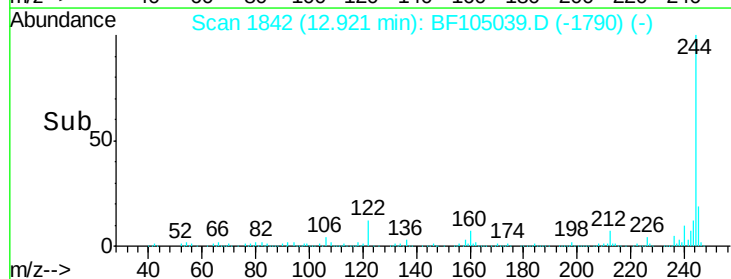
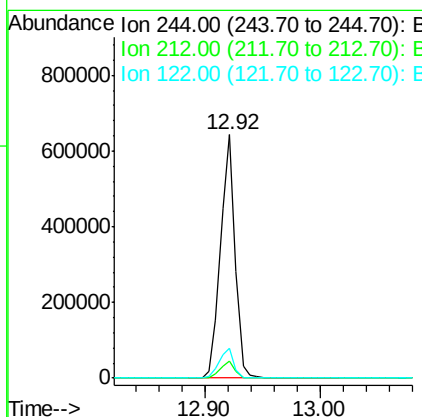
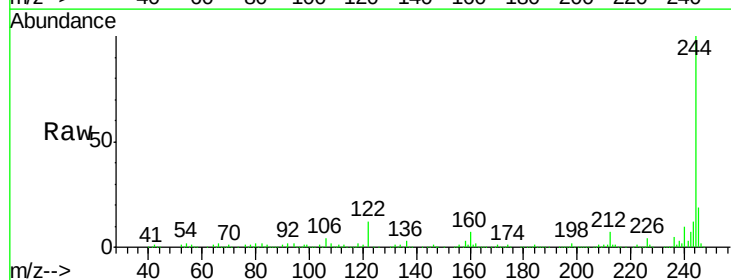
Instrument :
 BNA_F
 ClientSampleId :
 EPE-MX-4(90-92)

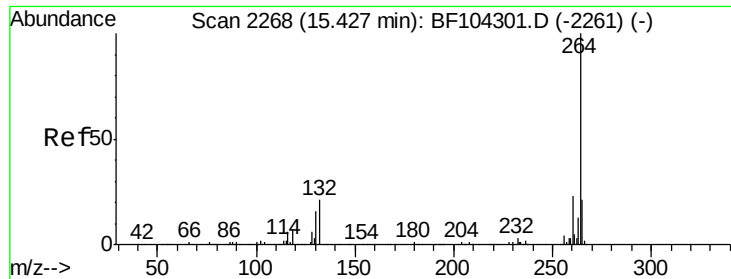
Tgt Ion:240 Resp: 205038
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 25.7 20.7 31.1



#78
 Terphenyl-d14
 Concen: 62.709 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF105039.D
 Acq: 2 May 2018 18:56

Tgt Ion:244 Resp: 563974
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.0 11.0 16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.07 min
Lab File: BF105039.D
Acq: 2 May 2018 18:56

Instrument :
BNA_F
ClientSampleId :
EPE-MX-4(90-92)

Tgt Ion: 264 Resp: 162974
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.1 17.5 26.3

