

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094759.D
 Acq On : 1 May 2017 20:00
 Operator : SJ/MA
 Sample : I2897-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:39:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

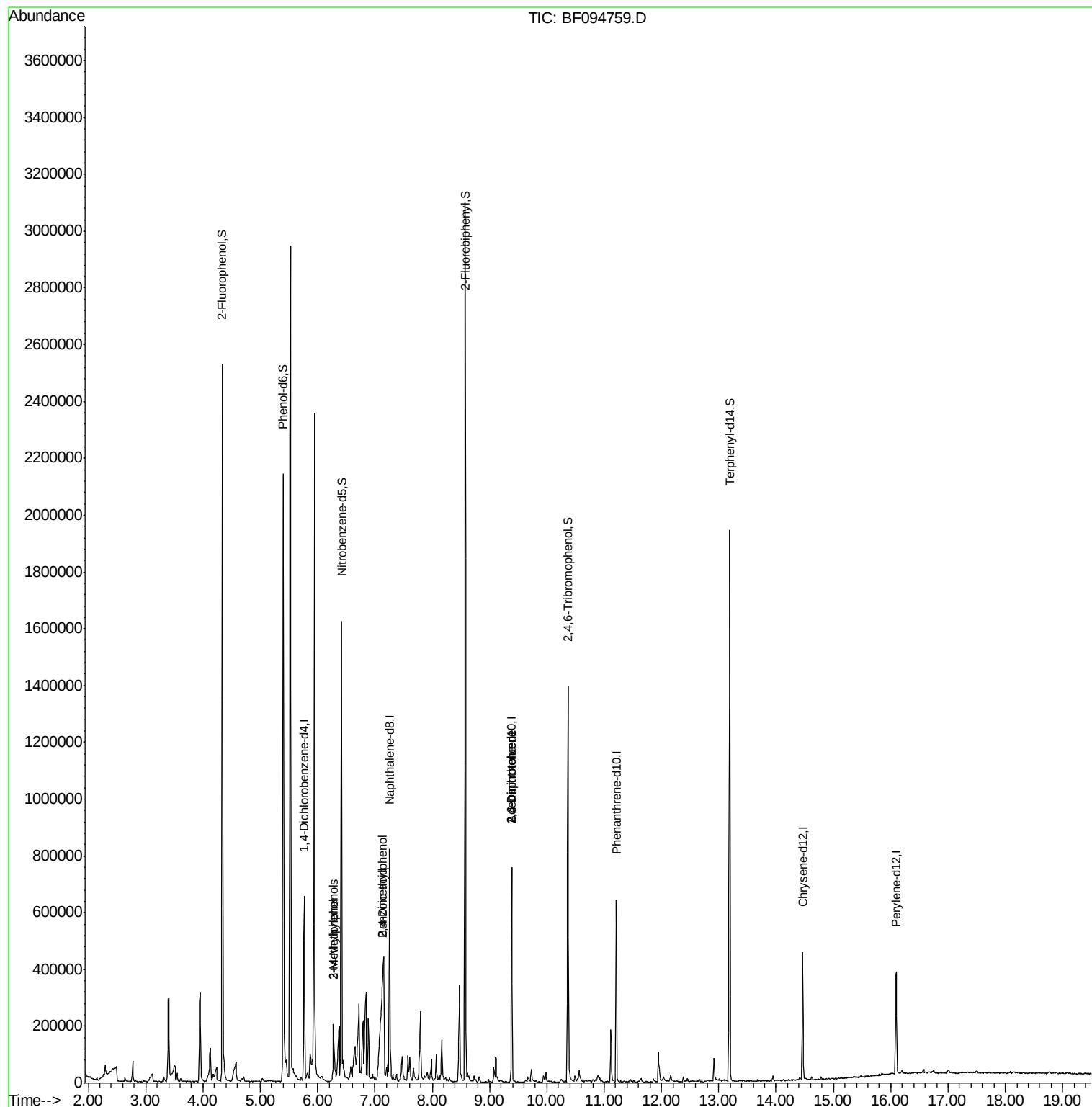
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	100629	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	378642	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	171853	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	259766	20.00	ng	0.00
75) Chrysene-d12	14.47	240	186819	20.00	ng	0.00
86) Perylene-d12	16.09	264	150352	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	776917	128.09	ng	0.03
7) Phenol-d6	5.40	99	904696	126.52	ng	0.00
23) Nitrobenzene-d5	6.42	82	604845	98.64	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	196509	146.19	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1116293	95.57	ng	0.00
78) Terphenyl-d14	13.19	244	697150	99.75	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	6.28	107	55464	10.20	ng	# 70
20) 3+4-Methylphenols	6.28	107	55819	7.56	ng	# 57
27) 2,4-Dimethylphenol	7.12	122	172425	30.60	ng	# 5
32) Benzoic acid	7.12	122	172425	57.86	ng	95
50) 2,6-Dinitrotoluene	9.38	165	21970	7.64	ng	# 33
56) 2,4-Dinitrotoluene	9.38	165	21969	6.23	ng	# 32

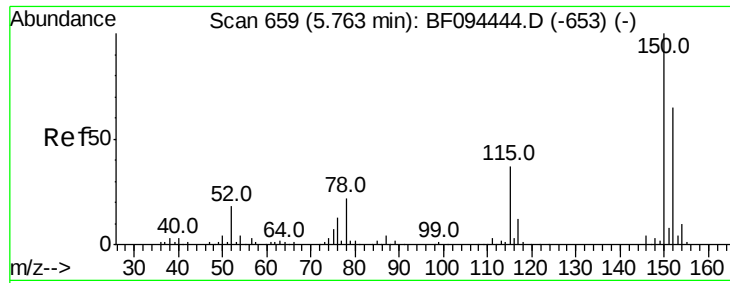
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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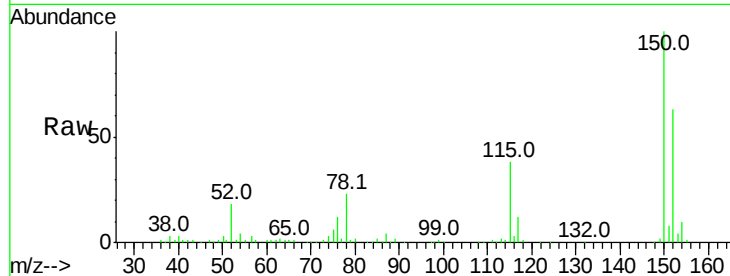


#1

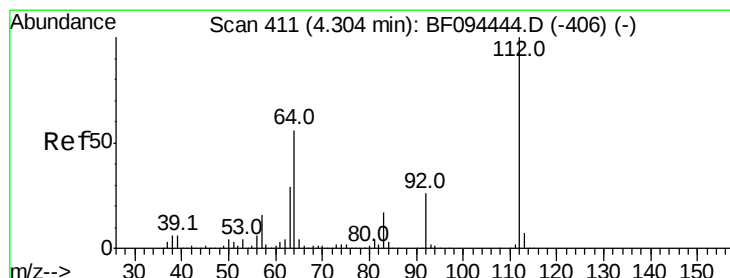
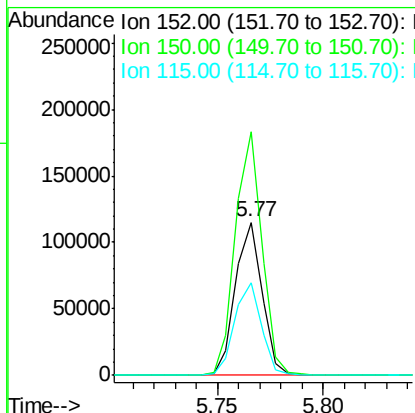
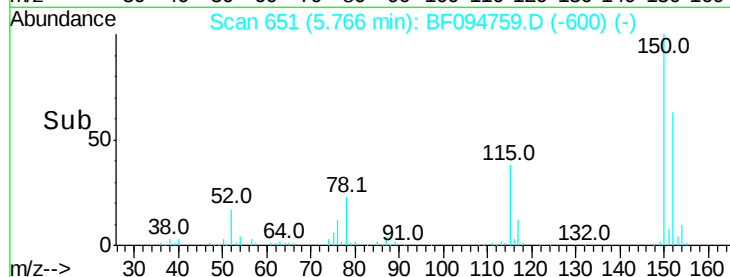
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 100629
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 60.9 52.2 78.2



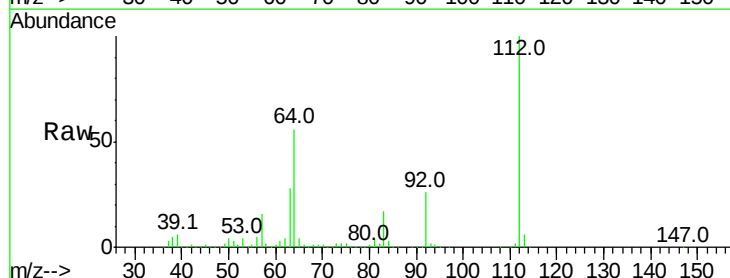
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



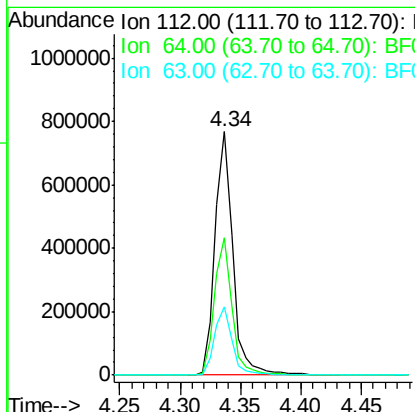
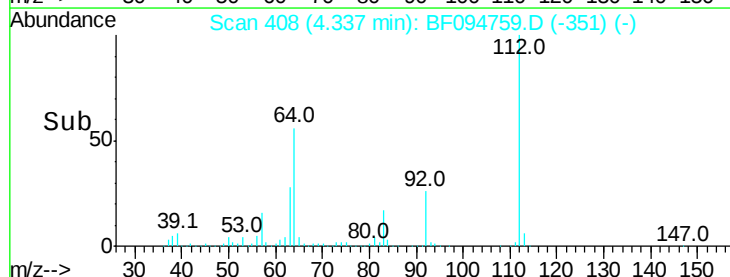
#5

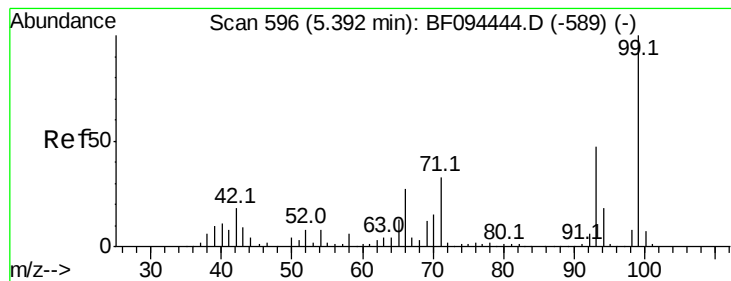
2-Fluorophenol
Concen: 128.09 ng
RT: 4.34 min Scan# 408
Delta R.T. 0.03 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

Tgt Ion:112 Resp: 776917
Ion Ratio Lower Upper
112 100
64 56.2 46.0 69.0
63 28.2 23.4 35.0



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: 126.52 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

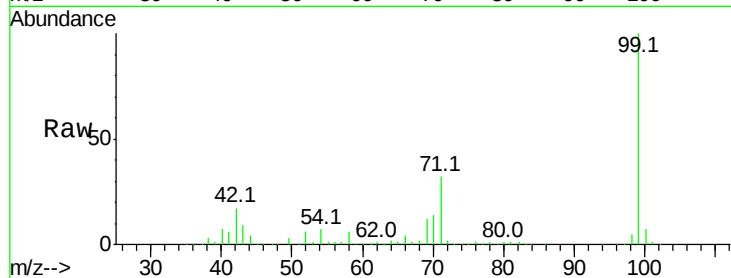
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 904696

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.5	20.3
71	32.4	24.5	36.7

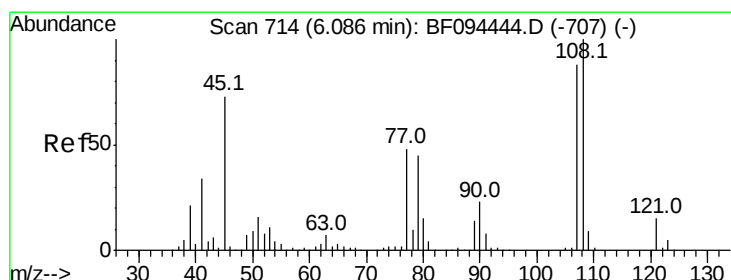
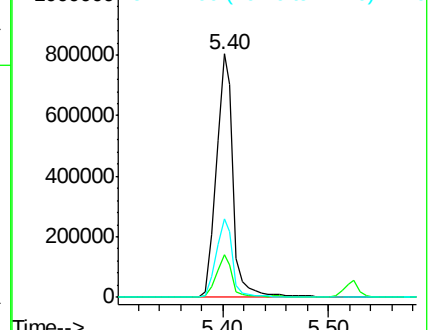
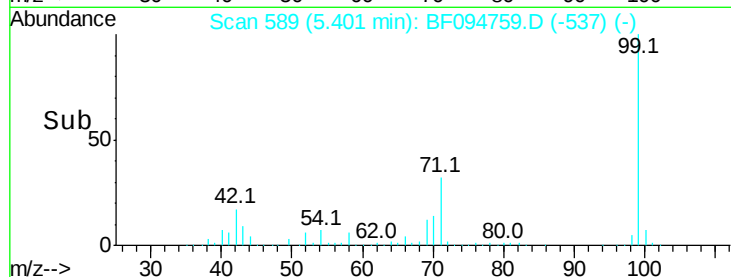


Abundance

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



#17

2-Methylphenol

Concen: 10.20 ng

RT: 6.28 min Scan# 738

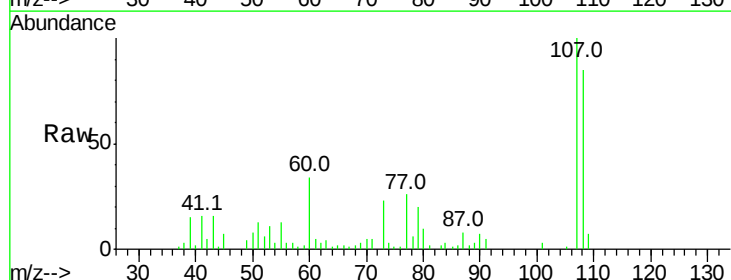
Delta R.T. 0.19 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

Tgt Ion:107 Resp: 55464

Ion	Ratio	Lower	Upper
107	100		
108	84.7	93.4	140.0#
77	26.2	35.8	53.6#
79	20.4	34.8	52.2#



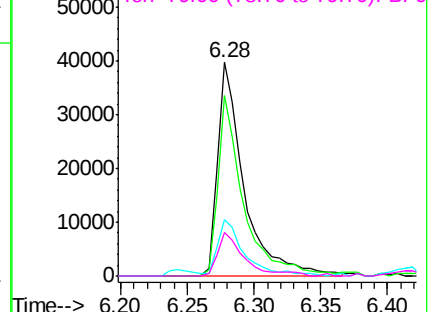
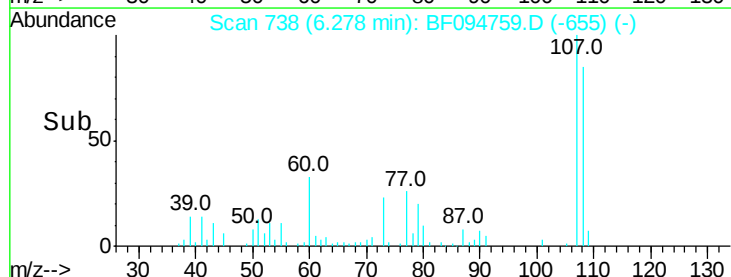
Abundance

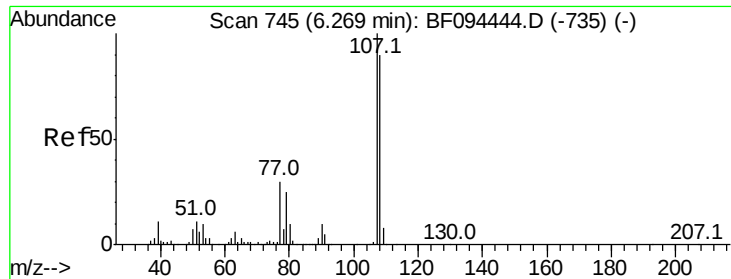
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 7.56 ng

RT: 6.28 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 55819

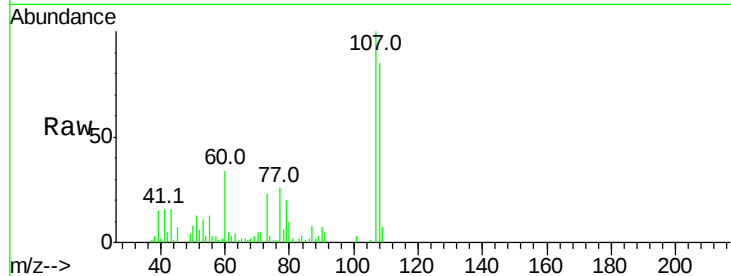
Ion Ratio Lower Upper

107 100

108 84.7 71.0 111.0

77 26.2 90.5 130.5#

79 20.4 8.4 48.4

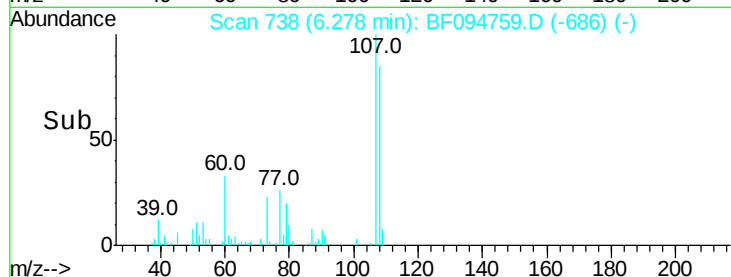


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

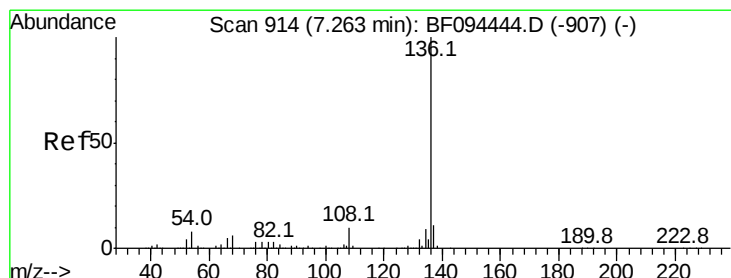
Ion 79.00 (78.70 to 79.70): BF0



Abundance

6200 6250 6300 6350 6400

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

Tgt Ion:136 Resp: 378642

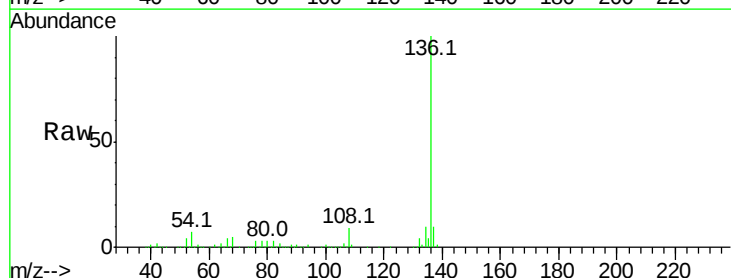
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

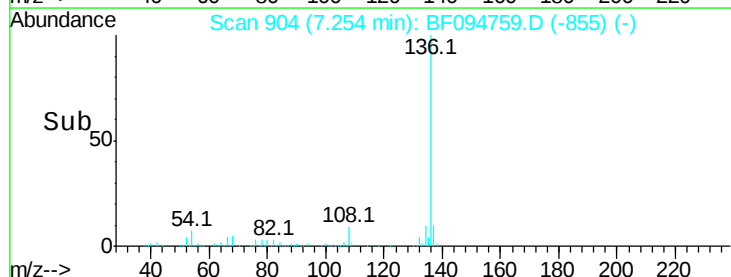


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

7200 7250 7300

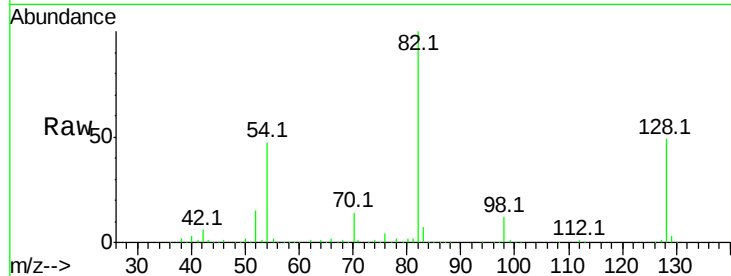
Time-->



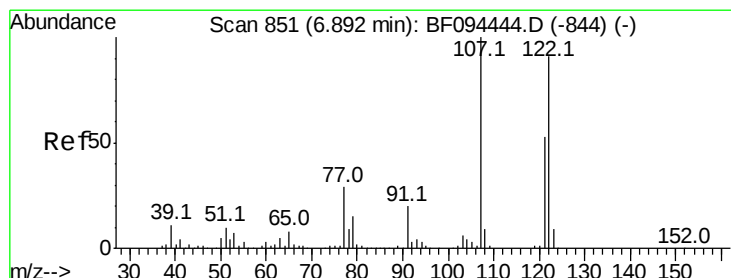
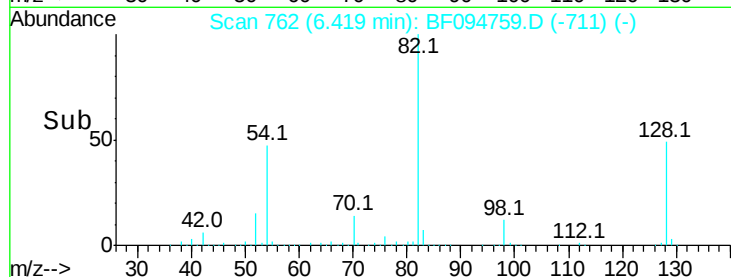
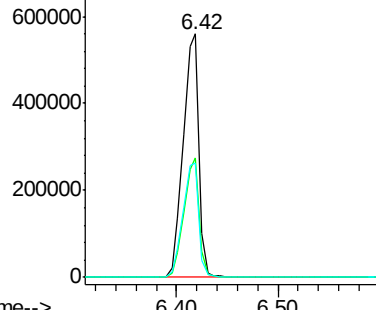
#23
 Nitrobenzene-d5
 Concen: 98.64 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	604845
Ion Ratio	100	Lower	Upper
128	49.1	34.0	51.0
54	47.0	42.2	63.2

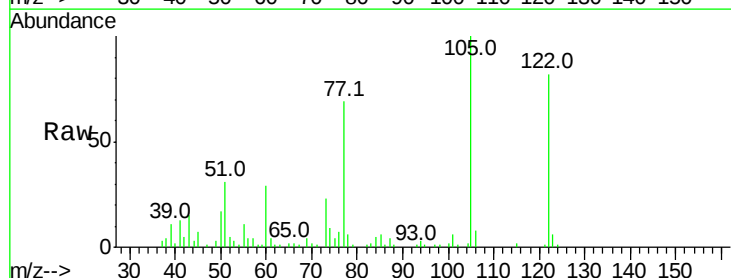


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

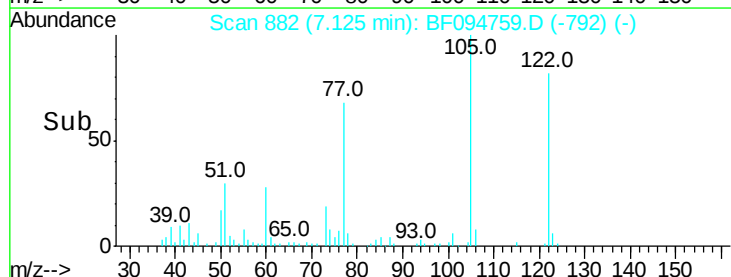
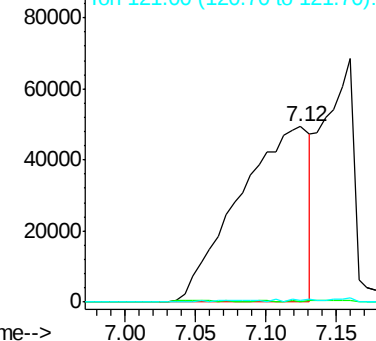


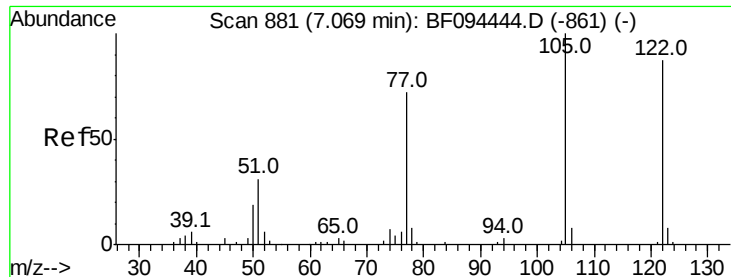
#27
 2,4-Dimethylphenol
 Concen: 30.60 ng
 RT: 7.12 min Scan# 882
 Delta R.T. 0.23 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Tgt Ion	122	Resp	172425
Ion Ratio	100	Lower	Upper
107	0.0	89.2	133.8#
121	1.1	45.2	67.8#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

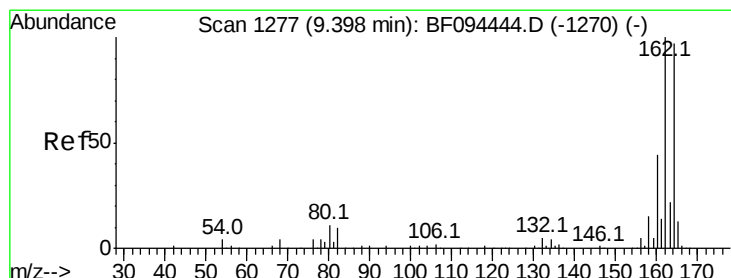
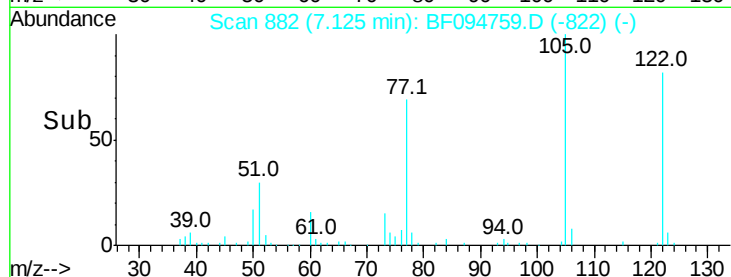
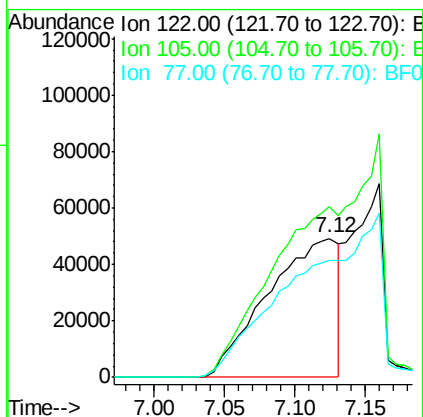
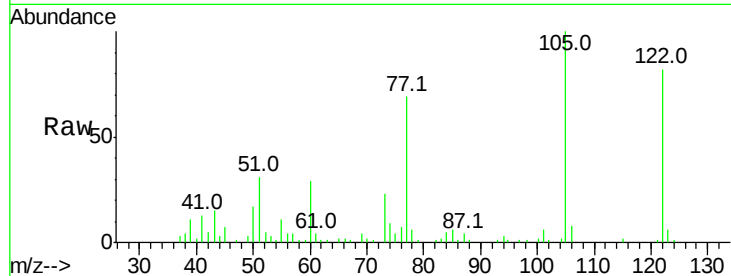




#32
Benzoic acid
Concen: 57.86 ng
RT: 7.12 min Scan# 882
Delta R.T. 0.06 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

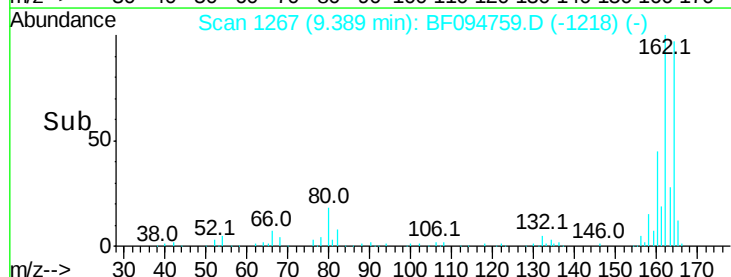
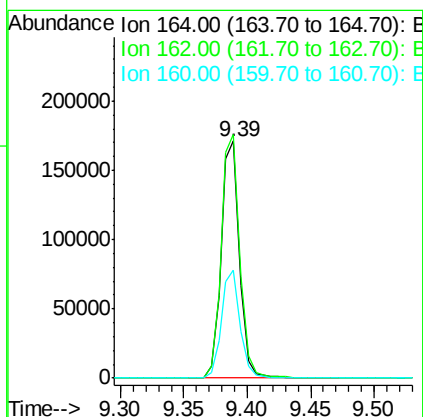
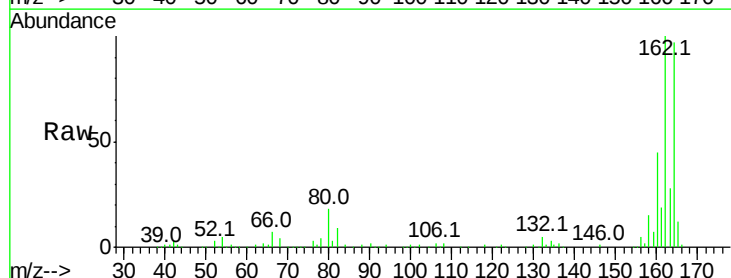
Instrument :
BNA_F
ClientSampled :

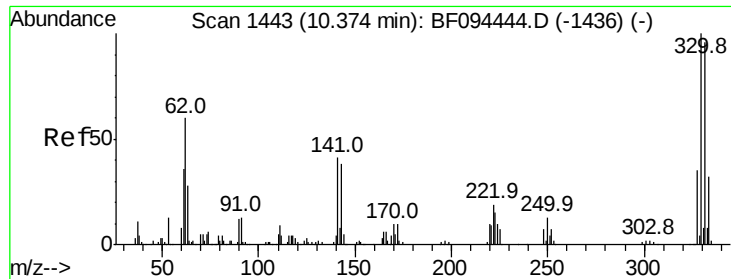
Tot Ion:122 Resp: 172425
Ion Ratio Lower Upper
122 100
105 122.2 103.3 143.3
77 84.3 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.39 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

Tgt Ion:164 Resp: 171853
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 45.7 36.2 54.2

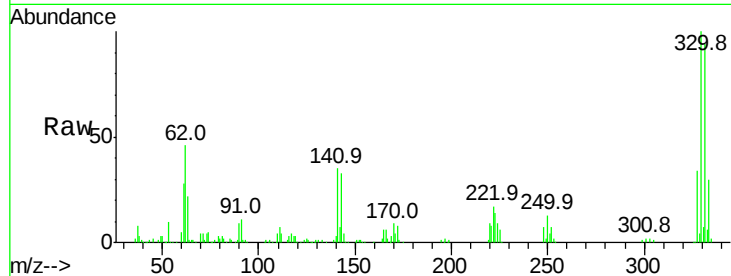




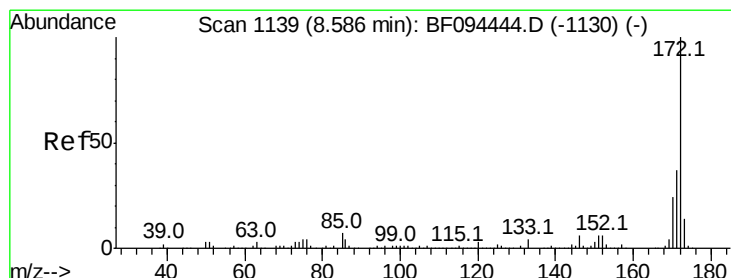
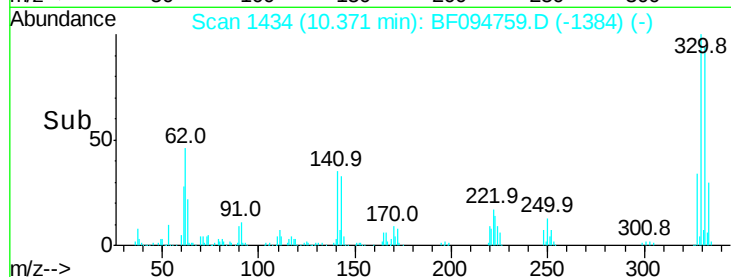
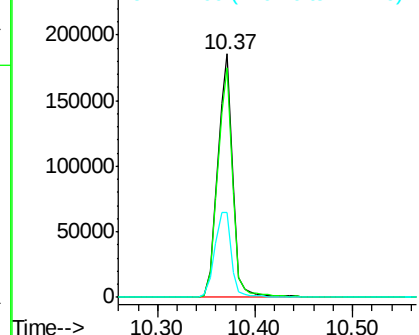
#41
 2,4,6-Tribromophenol
 Concen: 146.19 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 196509
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 39.7 31.4 47.2

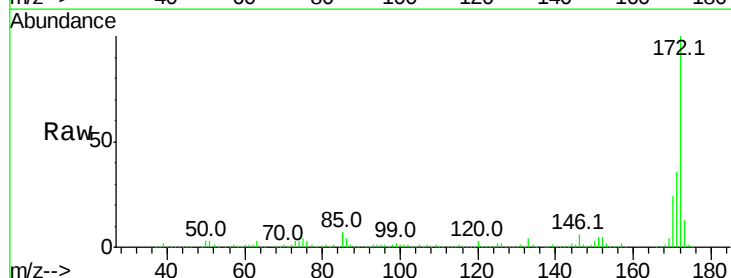


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

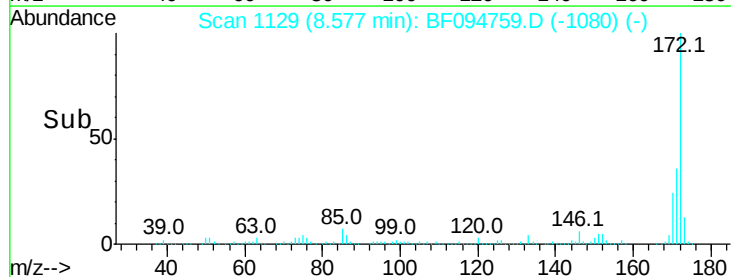
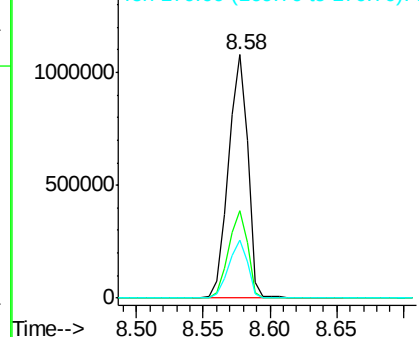


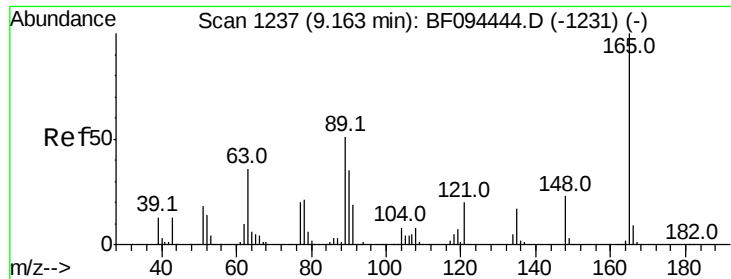
#44
 2-Fluorobiphenyl
 Concen: 95.57 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Tgt Ion:172 Resp: 1116293
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.6 19.8 29.8



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





#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 9.38 min Scan# 1266

Delta R.T. 0.22 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

Instrument :

BNA_F

ClientSampled :

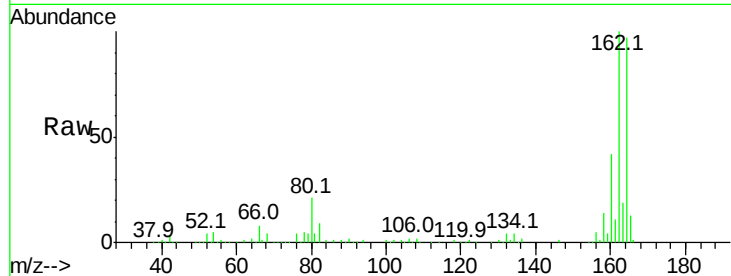
Tot Ion:165 Resp: 21970

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

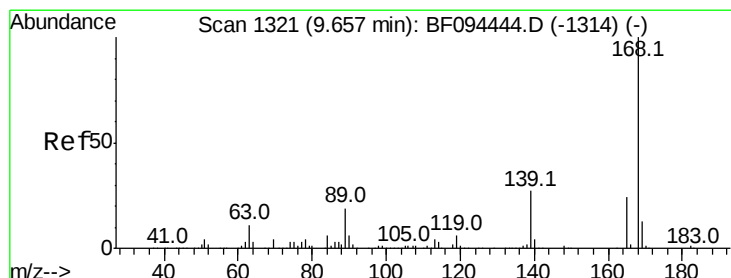
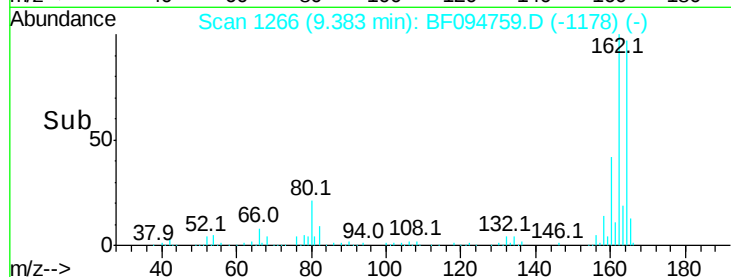
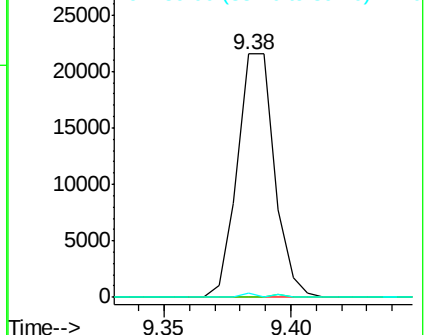
89 1.7 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.23 ng

RT: 9.38 min Scan# 1266

Delta R.T. -0.27 min

Lab File: BF094759.D

Acq: 1 May 2017 20:00

Tgt Ion:165 Resp: 21969

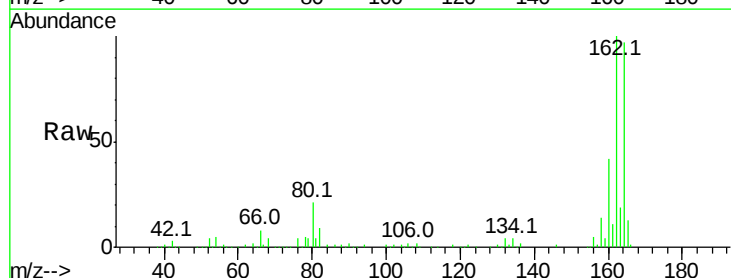
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

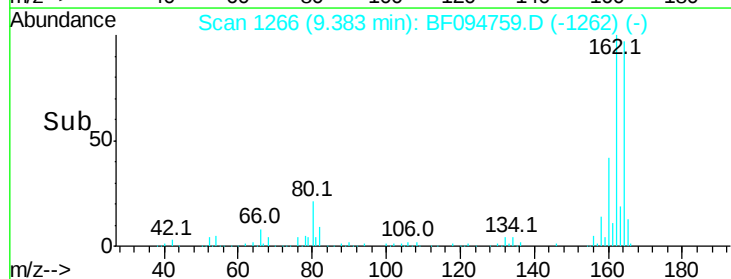
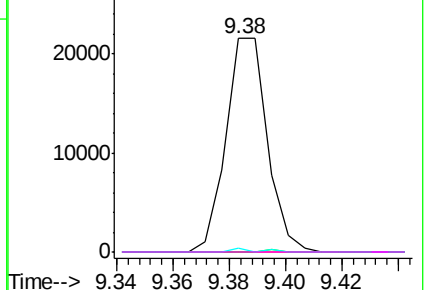


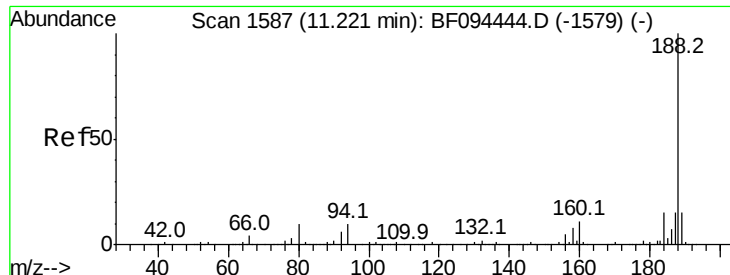
Abundance Ion 165.00 (164.70 to 165.70): E

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

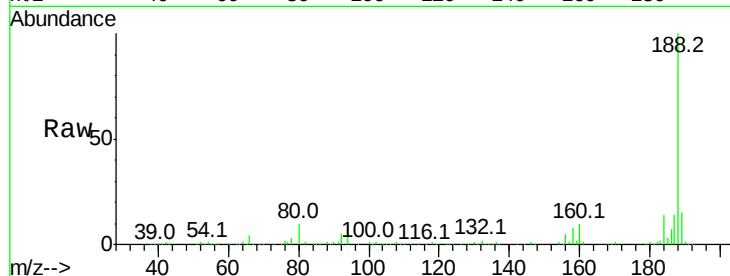




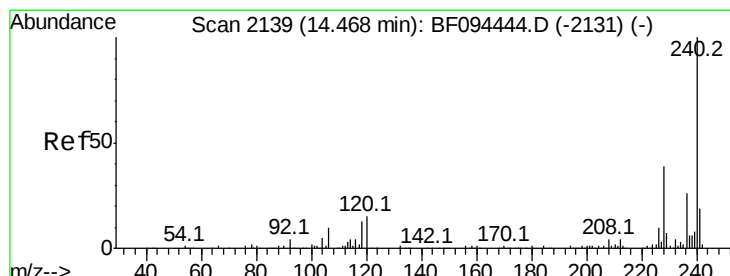
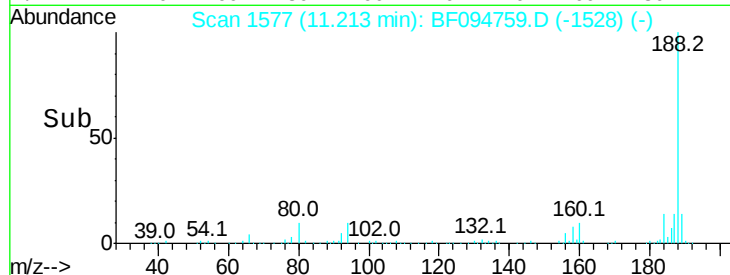
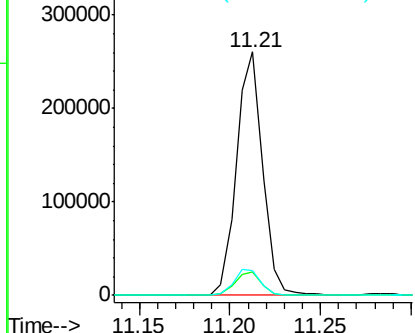
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 259766
Ion Ratio Lower Upper
188 100
94 9.5 9.4 14.2
80 10.1 10.2 15.2#

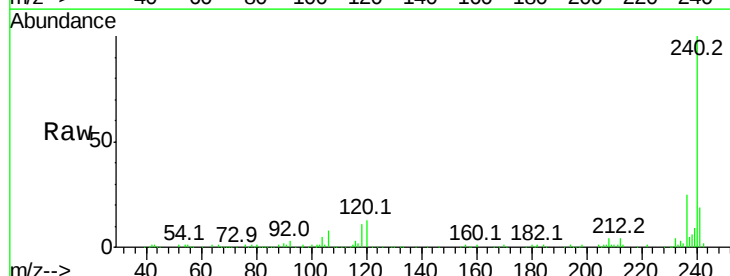


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

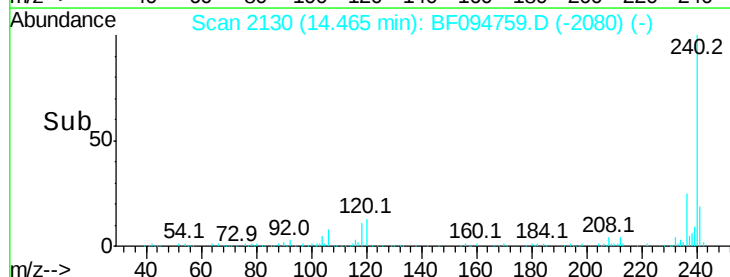
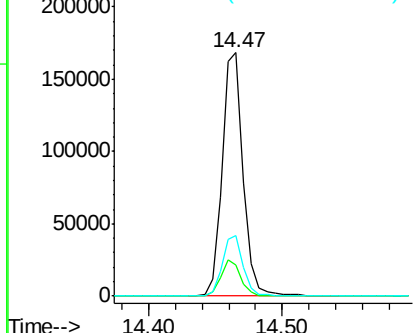


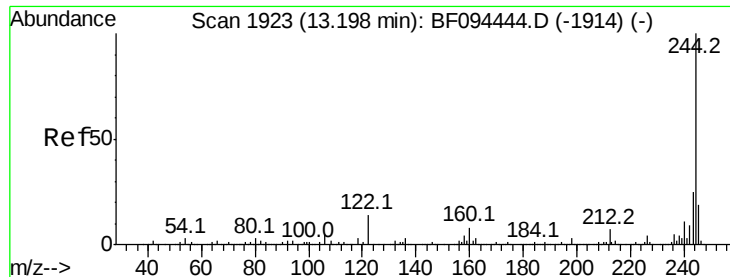
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.47 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BF094759.D
Acq: 1 May 2017 20:00

Tgt Ion:240 Resp: 186819
Ion Ratio Lower Upper
240 100
120 12.8 5.8 8.8#
236 24.7 20.5 30.7



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

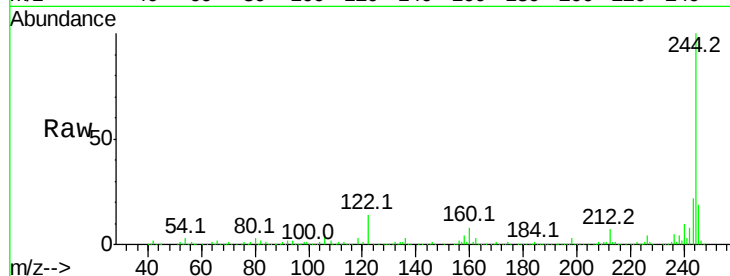




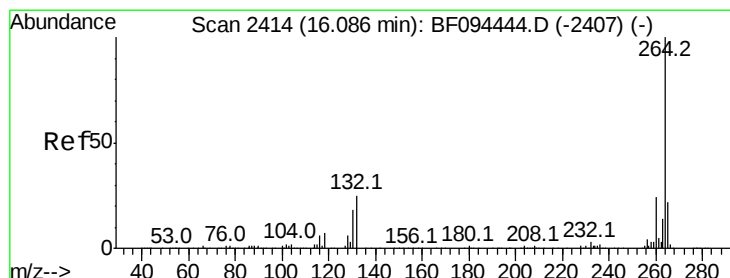
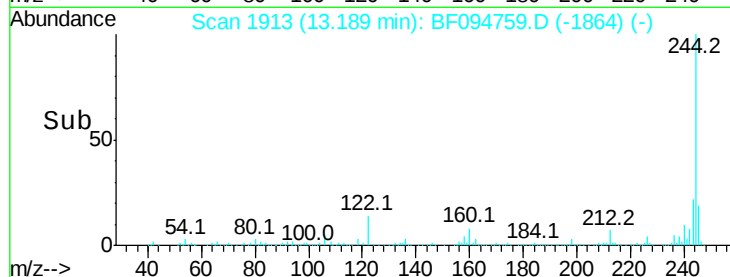
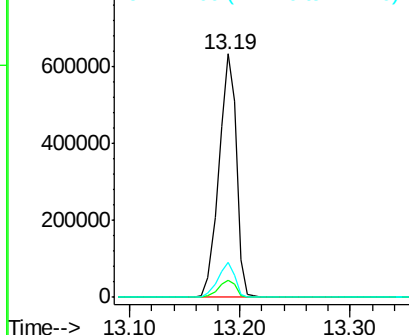
#78
 Terphenyl-d14
 Concen: 99.75 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 697150
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.3 10.3 15.5

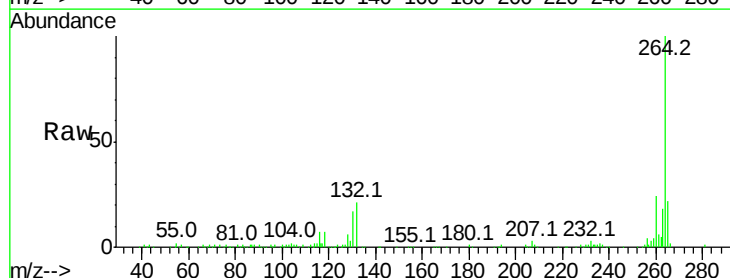


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2407
 Delta R.T. 0.01 min
 Lab File: BF094759.D
 Acq: 1 May 2017 20:00

Tgt Ion:264 Resp: 150352
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 22.3 17.2 25.8



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

