

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099817.D
 Acq On : 25 Oct 2017 17:01
 Operator : SJ/JU
 Sample : I6062-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 17:36:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	89203	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	362596	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	160124	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	246705	20.00	ng	0.00
75) Chrysene-d12	14.02	240	136633	20.00	ng	0.04
86) Perylene-d12	15.48	264	154591	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	730116	128.50	ng	0.01
7) Phenol-d6	6.44	99	889827	132.08	ng	0.00
23) Nitrobenzene-d5	7.37	82	514815	91.41	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	184863	126.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1002893	96.63	ng	0.00
78) Terphenyl-d14	12.94	244	501941	80.28	ng	0.02

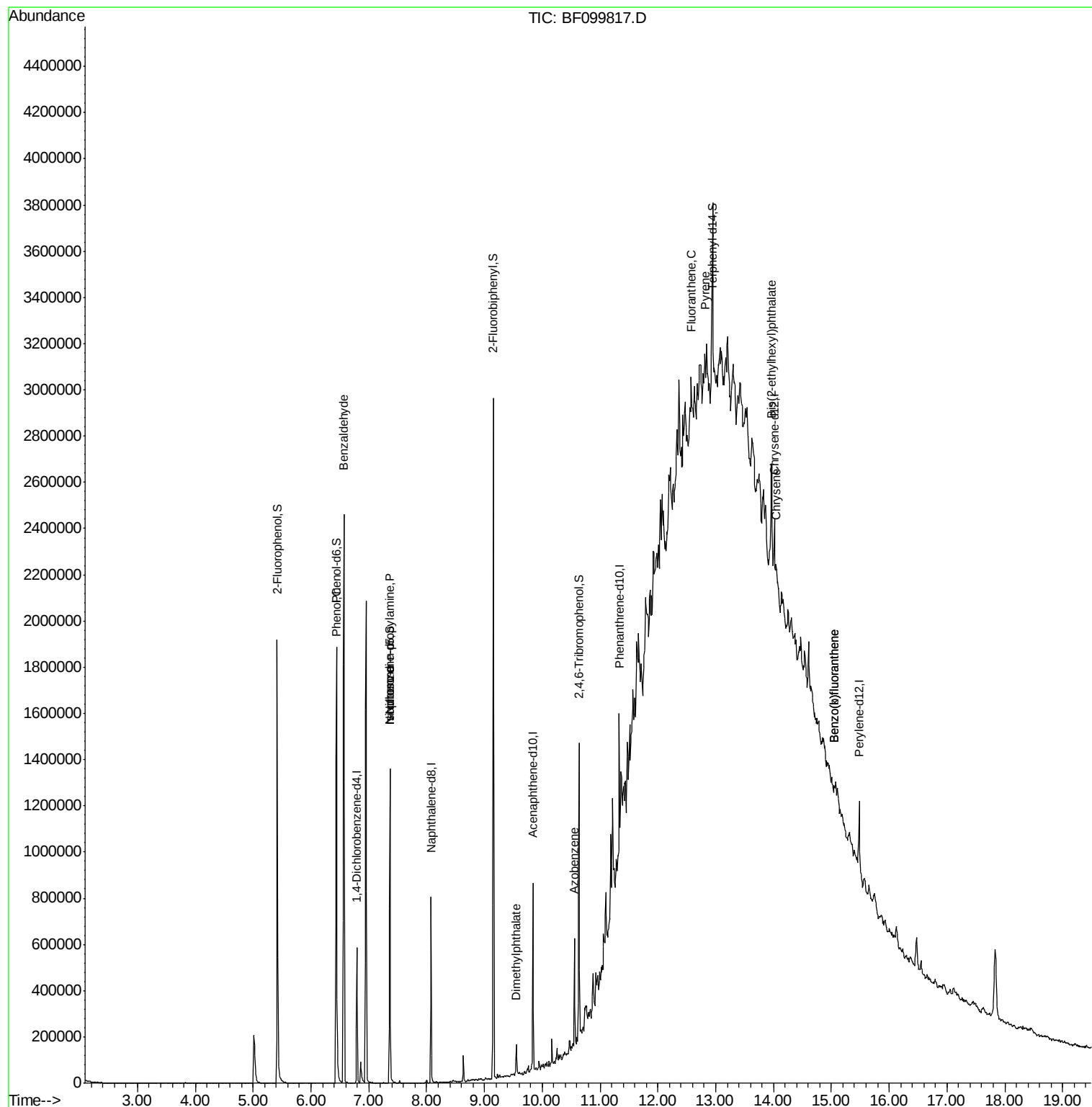
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	13304	3.305	ng	90
10) Phenol	6.45	94	41409	5.598	ng	97
19) n-Nitroso-di-n-propylamine	7.37	70	64653	16.376	ng	# 70
25) Isophorone	7.37	82	514815	50.374	ng	# 64
49) Dimethylphthalate	9.55	163	46586	3.674	ng	# 99
62) Azobenzene	10.56	77	77497	7.466	ng	# 1
74) Fluoranthene	12.57	202	31716	2.192	ng	85
77) Pyrene	12.80	202	29098	2.801	ng	# 87
82) Chrysene	14.04	228	31509	3.869	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.97	149	210877	29.351	ng	96
87) Benzo(b)fluoranthene	15.06	252	41674	4.269	ng	# 17
88) Benzo(k)fluoranthene	15.06	252	41674	4.527	ng	# 19

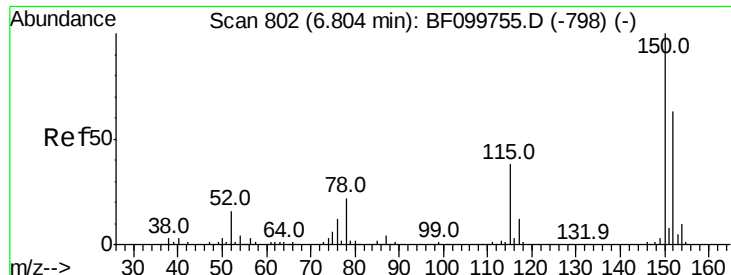
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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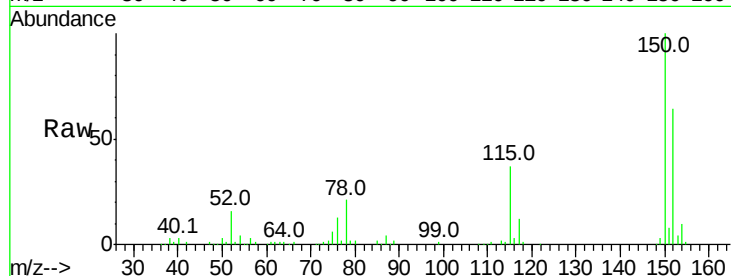


#1

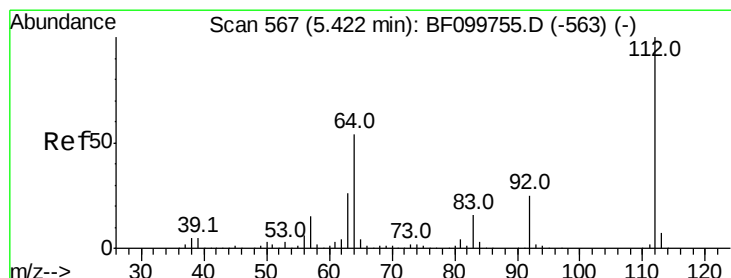
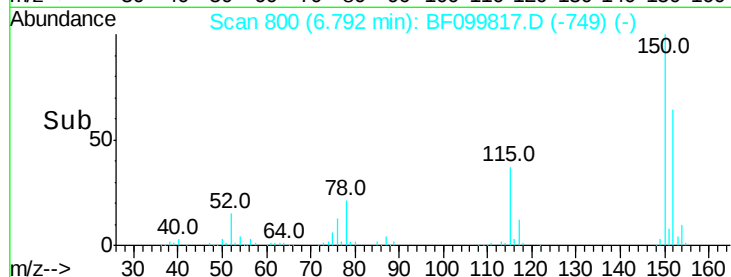
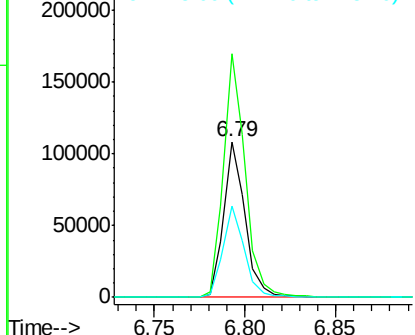
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 89203
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 58.4 50.1 75.1



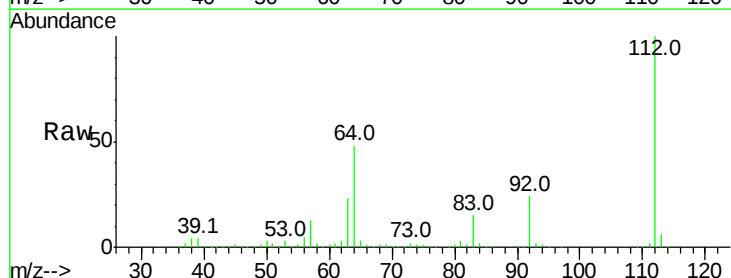
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



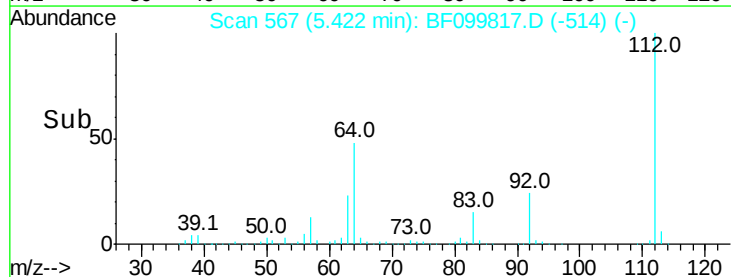
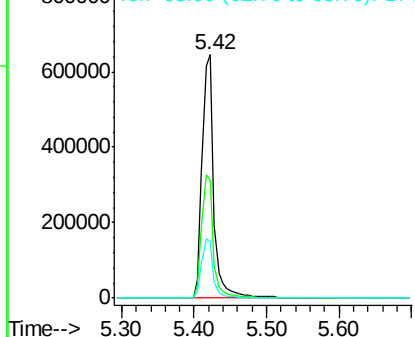
#5

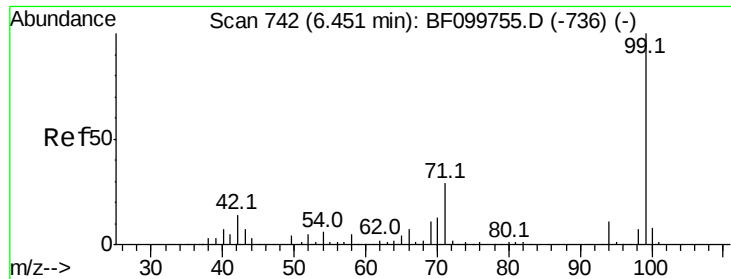
2-Fluorophenol
 Concen: 128.500 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

Tgt Ion:112 Resp: 730116
 Ion Ratio Lower Upper
 112 100
 64 48.4 47.9 71.9
 63 23.2 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: 132.079 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampleId :

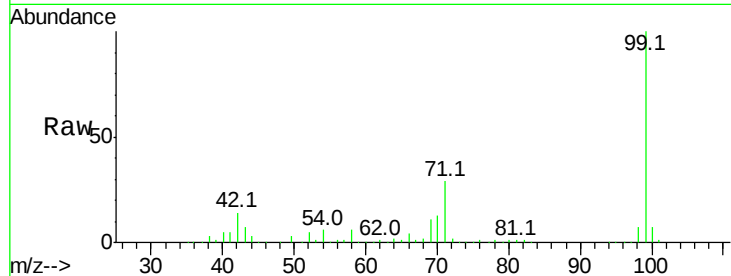
Tot Ion: 99 Resp: 889827

Ion Ratio Lower Upper

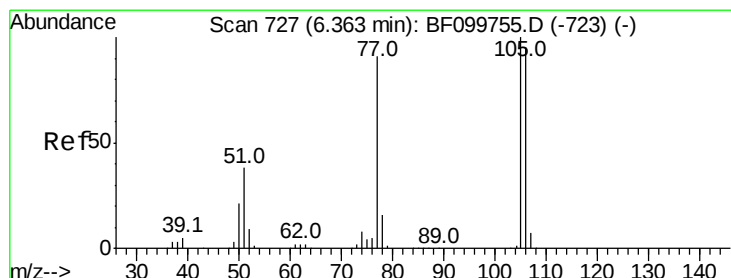
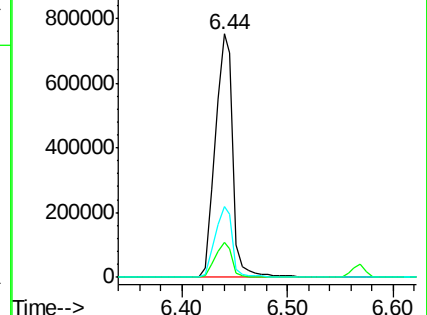
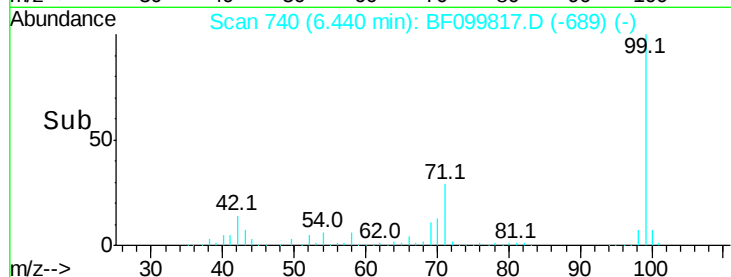
99 100

42 14.2 14.5 21.7#

71 29.2 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: 3.305 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.22 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

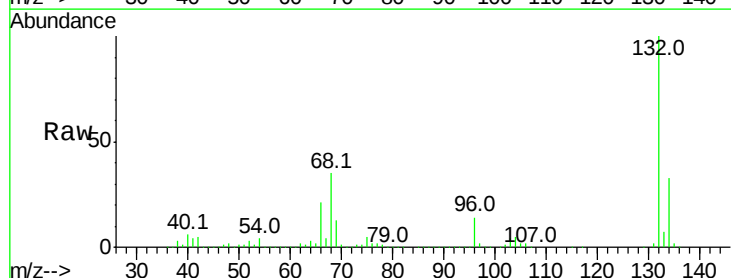
Tgt Ion: 77 Resp: 13304

Ion Ratio Lower Upper

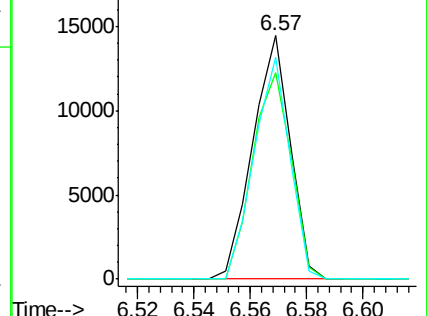
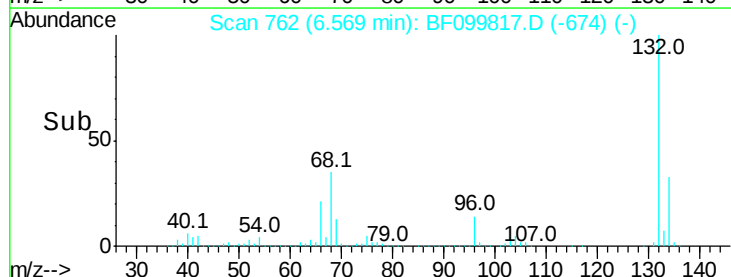
77 100

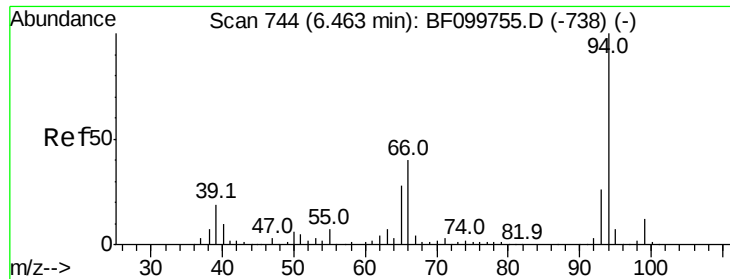
105 84.7 81.1 121.1

106 91.0 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: 5.598 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampled :

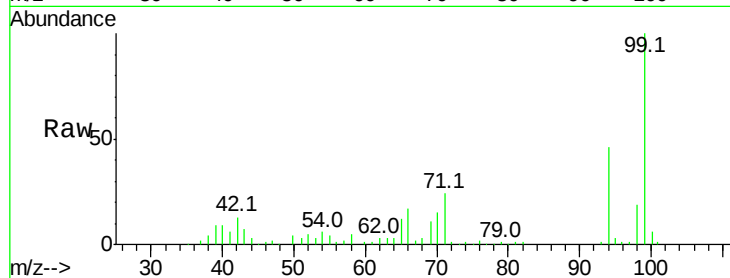
Tot Ion: 94 Resp: 41409

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

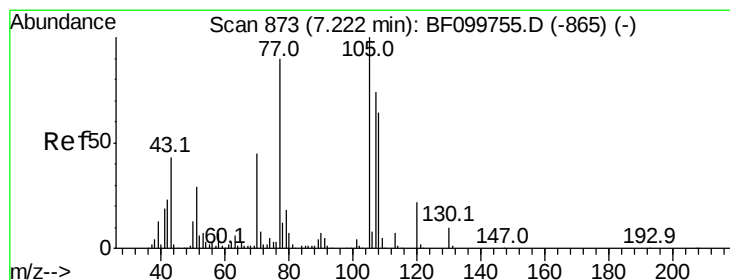
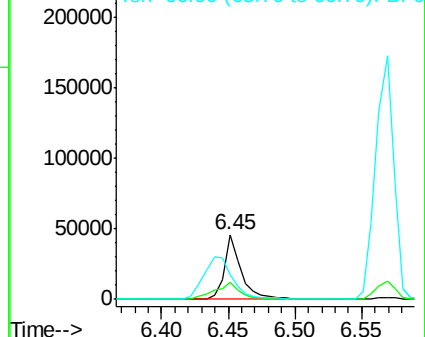
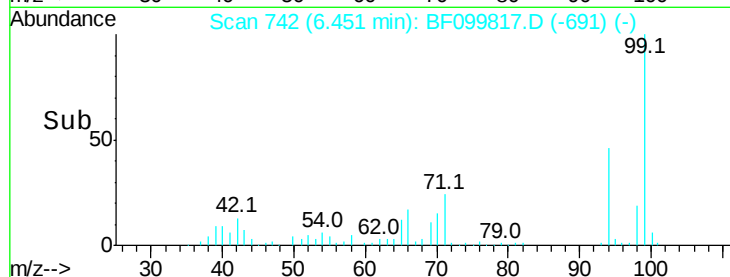
66 37.6 16.2 56.2



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: 16.376 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Tgt Ion: 70 Resp: 64653

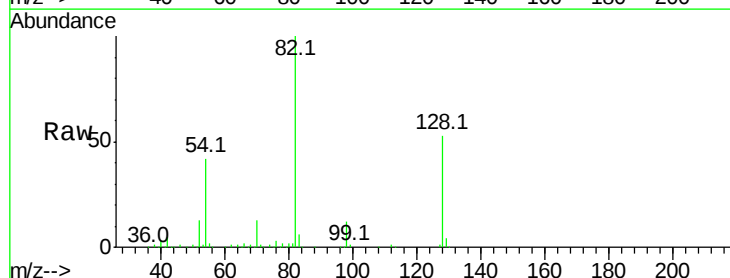
Ion Ratio Lower Upper

70 100

42 38.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

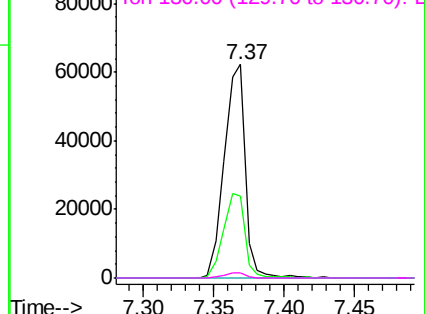
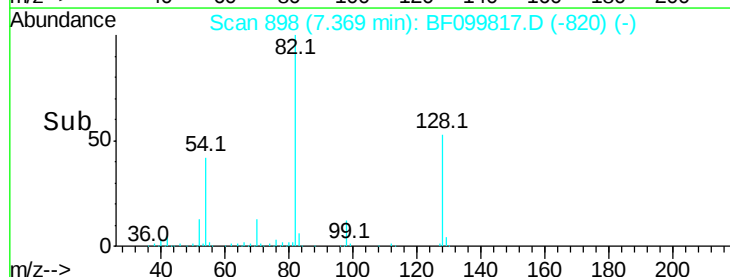


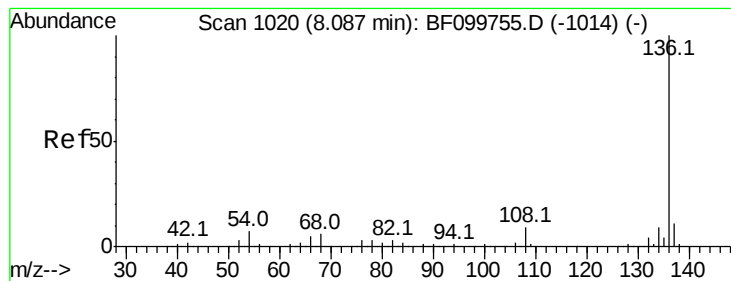
Abundance Ion 70.00 (69.70 to 70.70): BF0

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. -0.01 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 362596

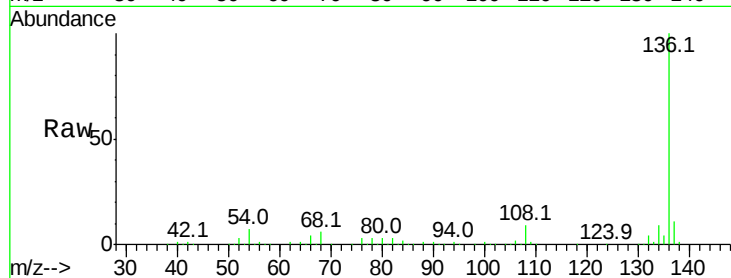
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 6.6 9.8

68 5.9 5.0 7.4

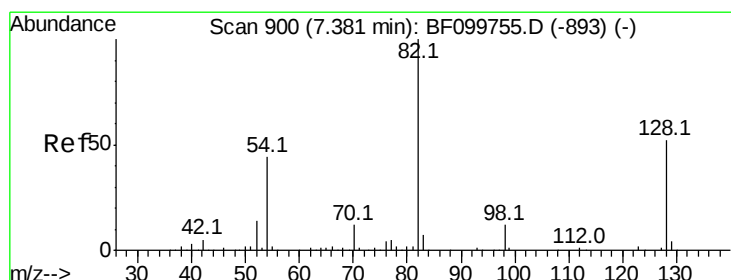
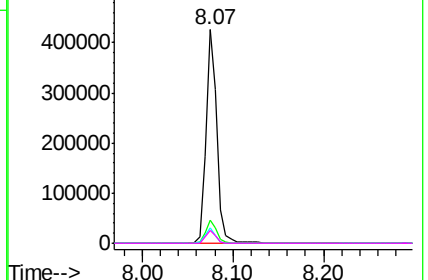
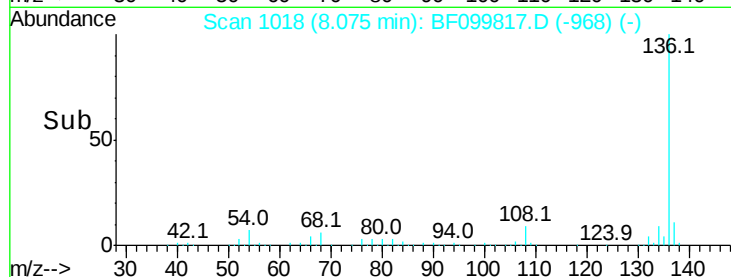


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.408 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

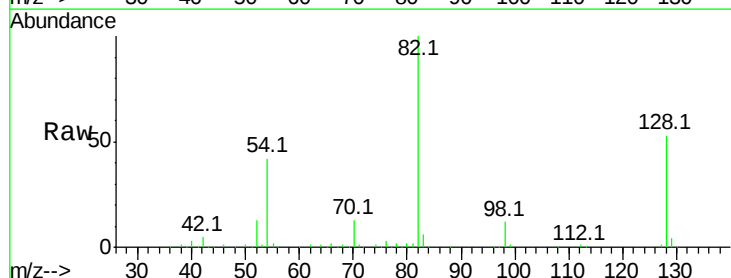
Tgt Ion: 82 Resp: 514815

Ion Ratio Lower Upper

82 100

128 53.4 36.1 54.1

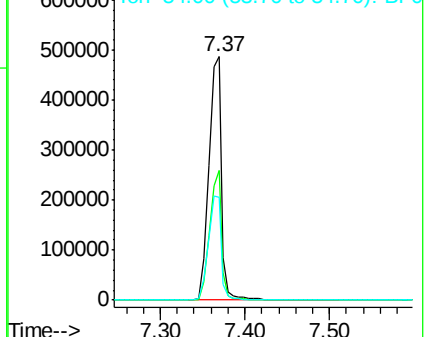
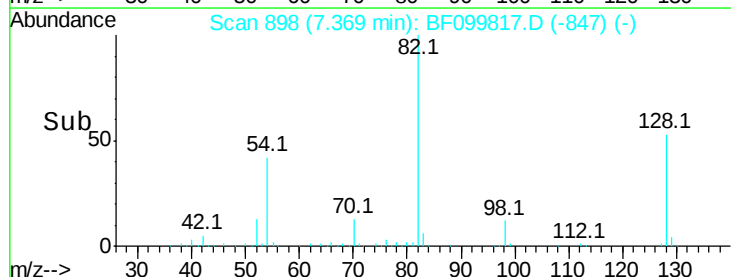
54 42.4 41.4 62.2

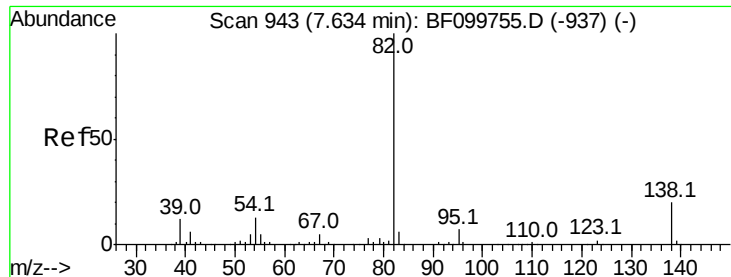


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 50.374 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampleId :

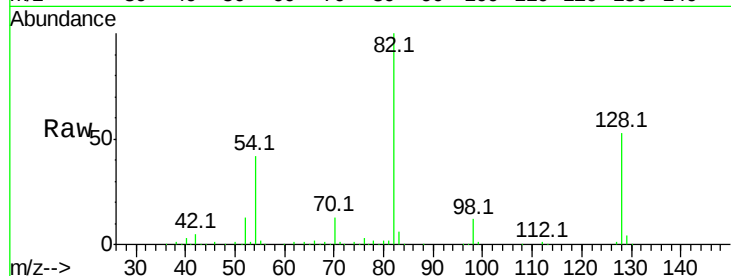
Tot Ion: 82 Resp: 514815

Ion Ratio Lower Upper

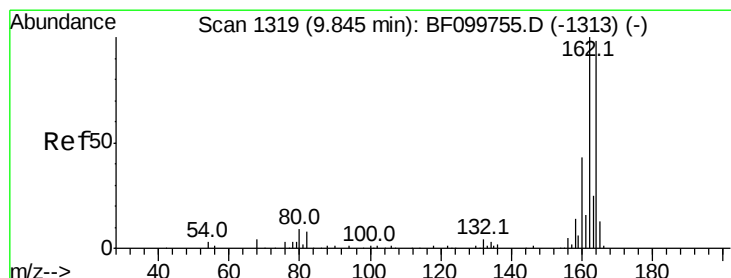
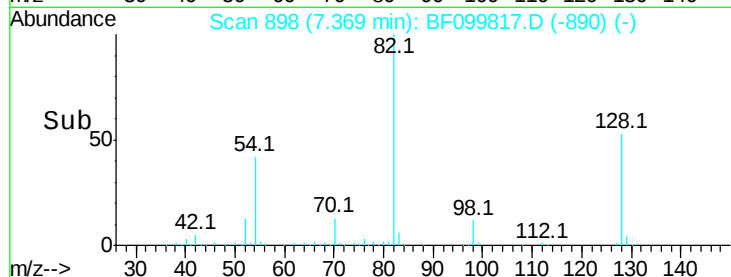
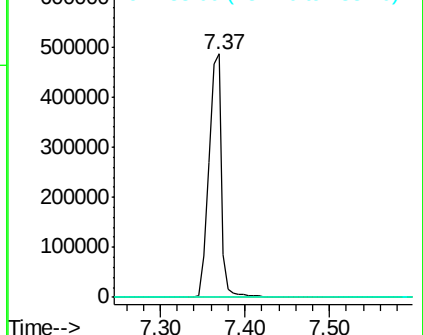
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

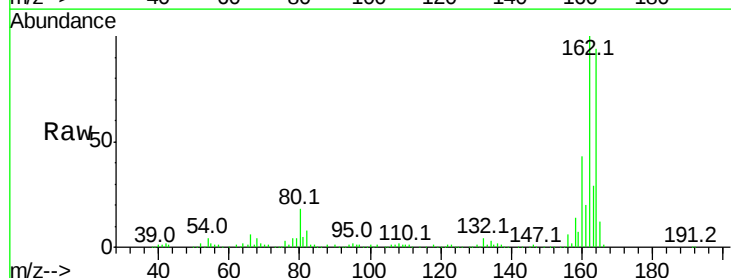
Tgt Ion:164 Resp: 160124

Ion Ratio Lower Upper

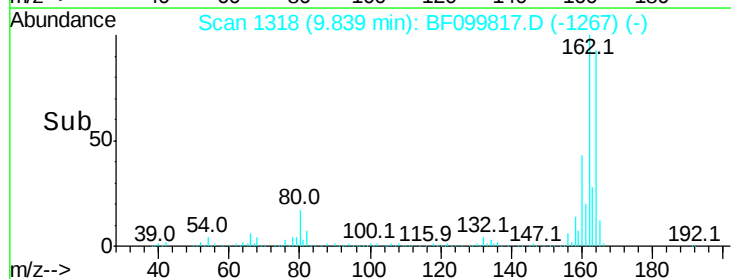
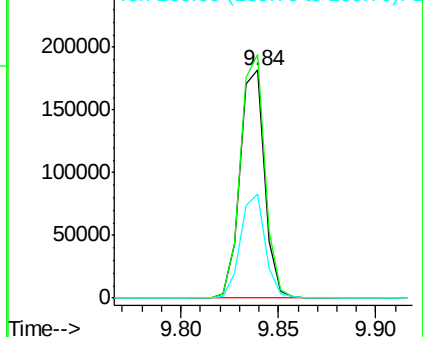
164 100

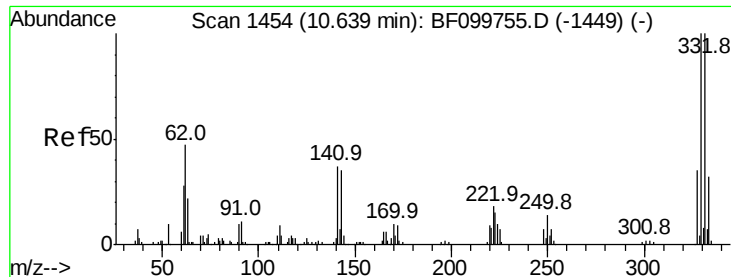
162 106.9 86.1 129.1

160 45.6 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

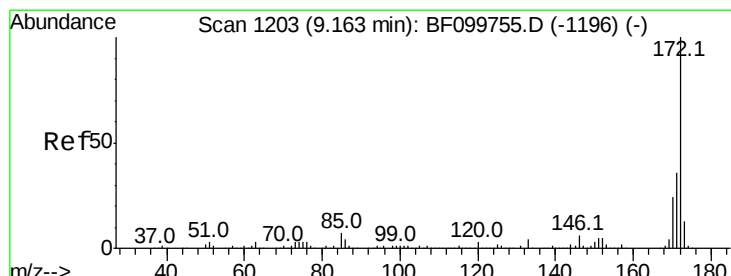
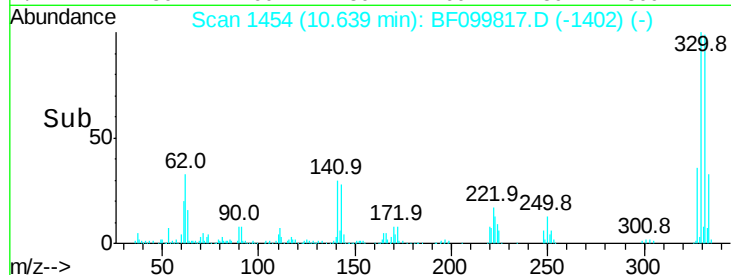
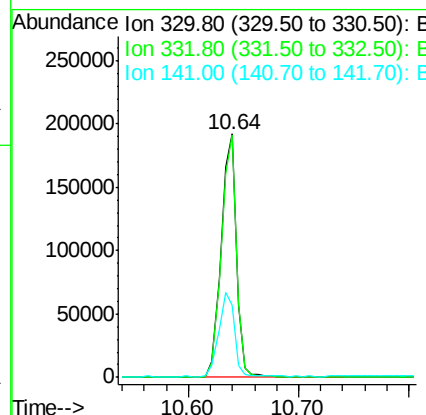
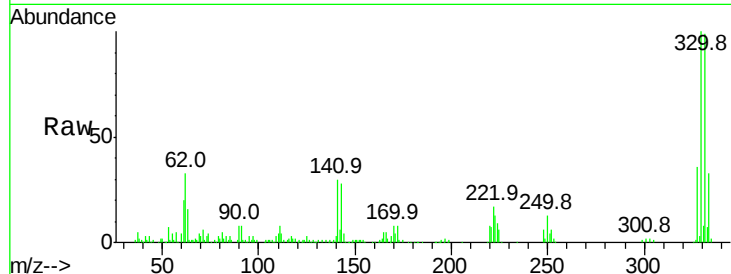




#41
 2,4,6-Tribromophenol
 Concen: 126.685 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

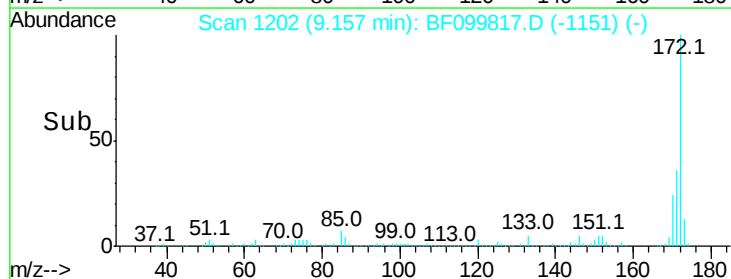
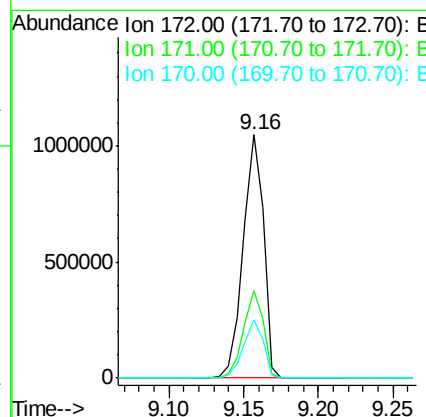
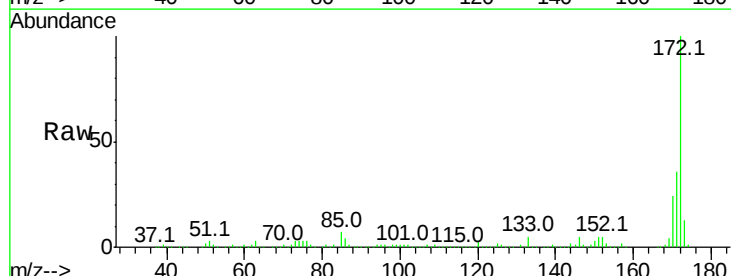
Instrument :
 BNA_F
 ClientSampleId :

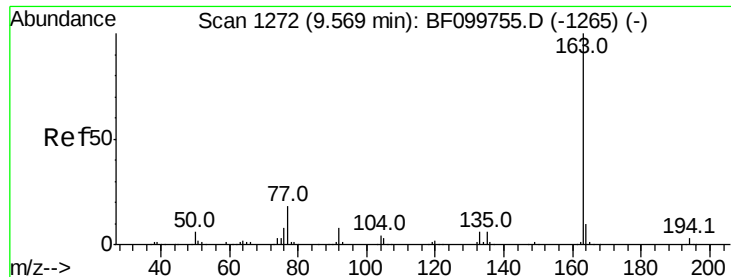
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	35.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 96.632 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.8	19.6	29.4

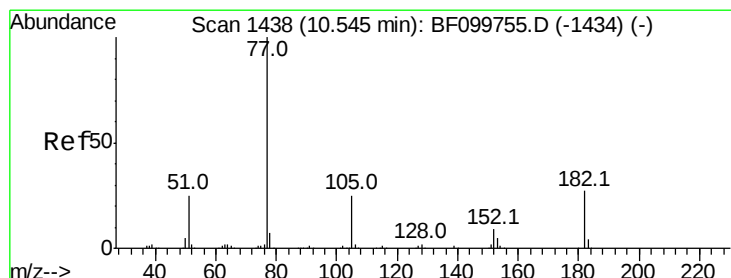
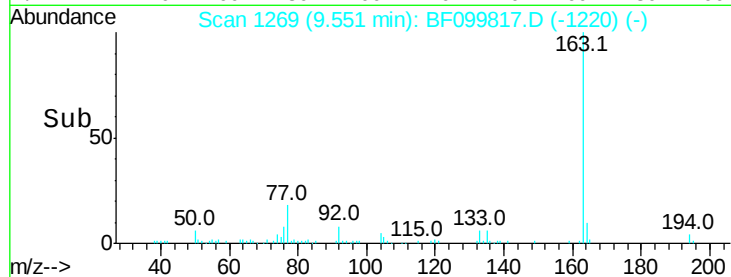
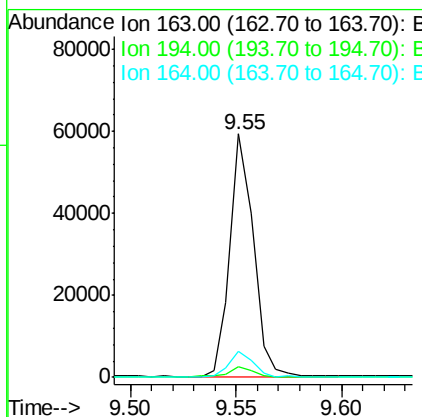
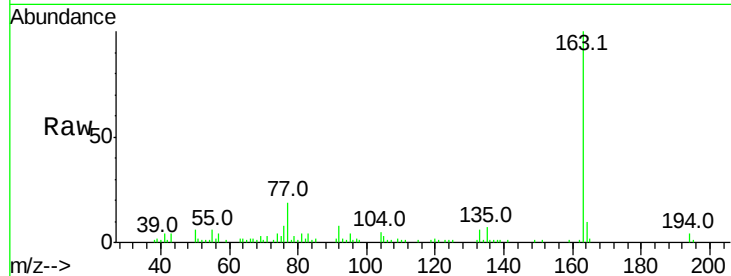




#49
Dimethylphthalate
Concen: 3.674 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

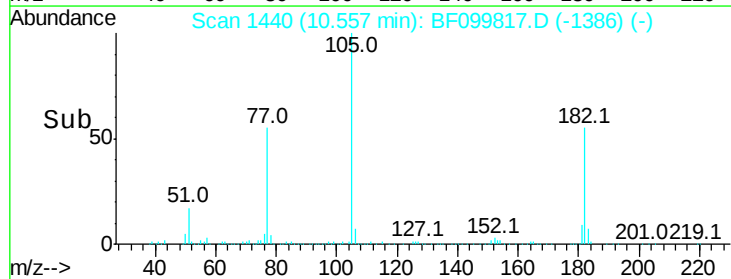
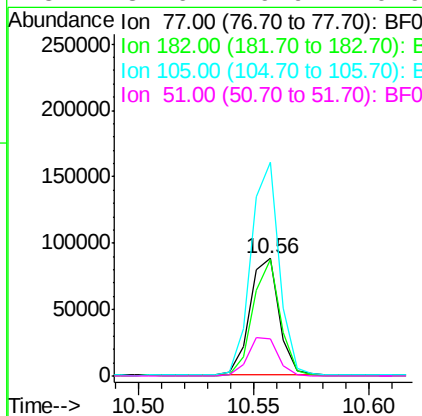
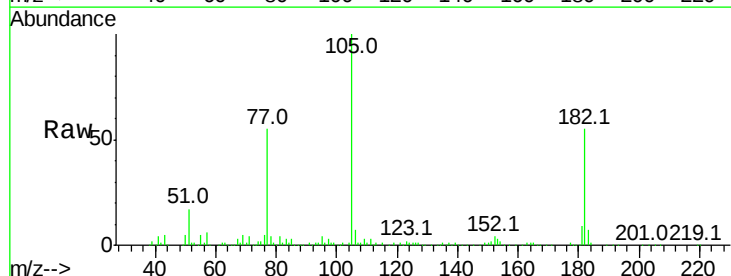
Instrument :
BNA_F
ClientSampleId :

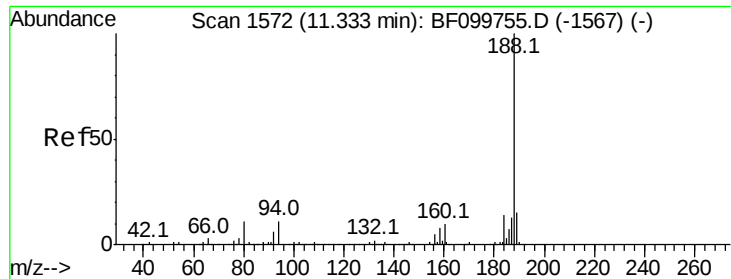
Tot Ion:163 Resp: 46586
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 10.5 8.2 12.2



#62
Azobenzene
Concen: 7.466 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.02 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

Tgt Ion: 77 Resp: 77497
Ion Ratio Lower Upper
77 100
182 99.3 1.7 41.7#
105 182.1 3.0 43.0#
51 31.6 9.9 49.9

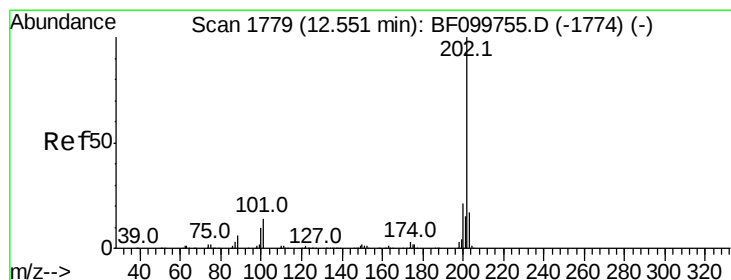
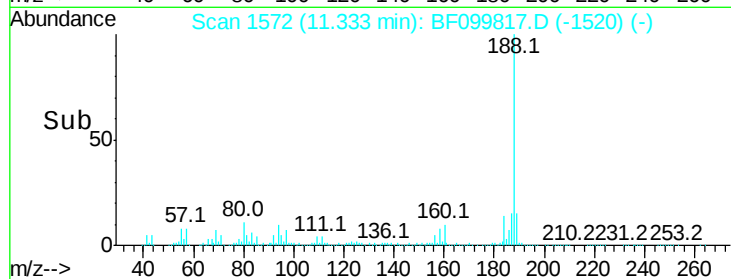
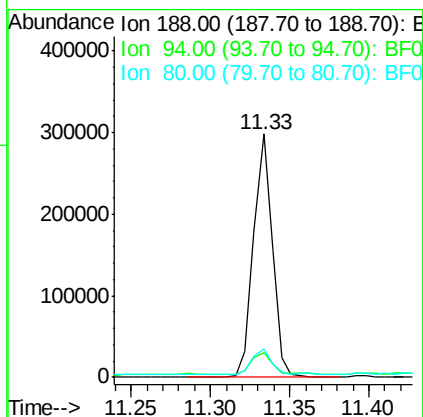
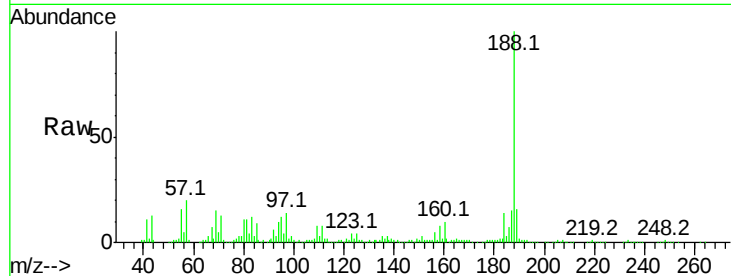




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

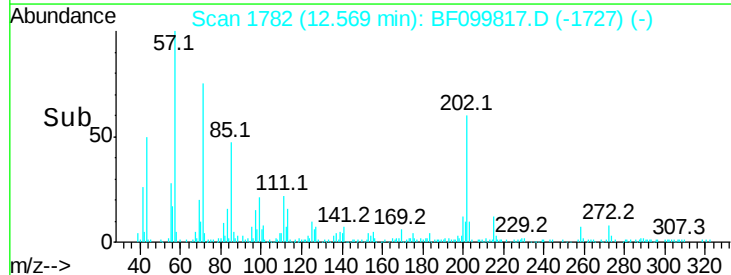
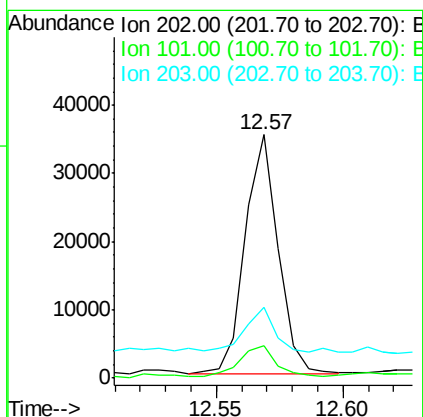
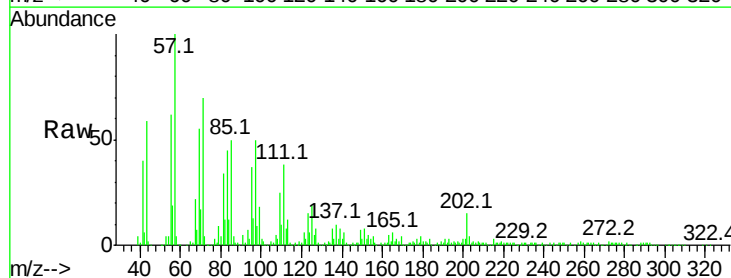
Instrument :
BNA_F
ClientSampleId :

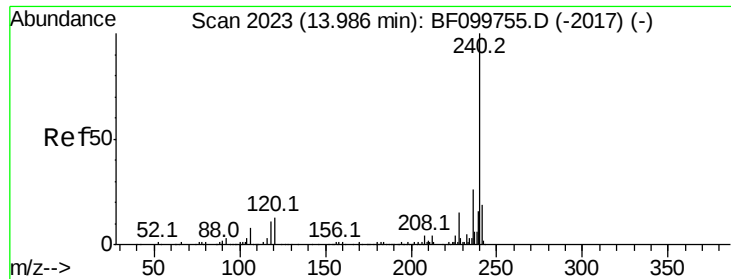
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.5	9.2	13.8



#74
Fluoranthene
Concen: 2.192 ng
RT: 12.57 min Scan# 1782
Delta R.T. 0.02 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	29.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampleId :

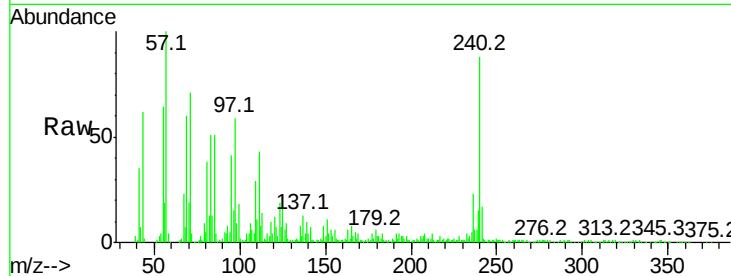
Tot Ion:240 Resp: 136633

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

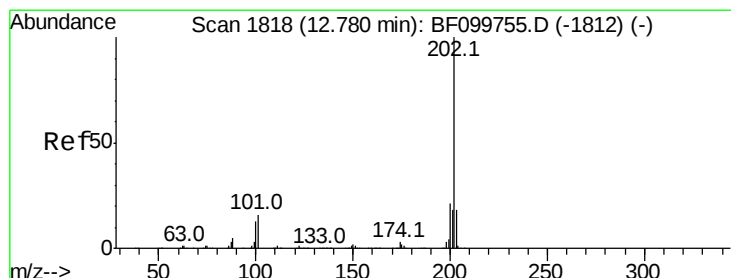
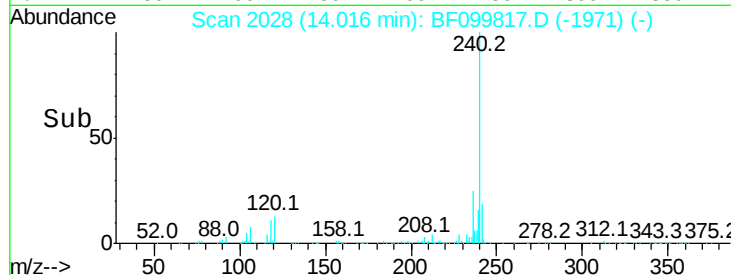
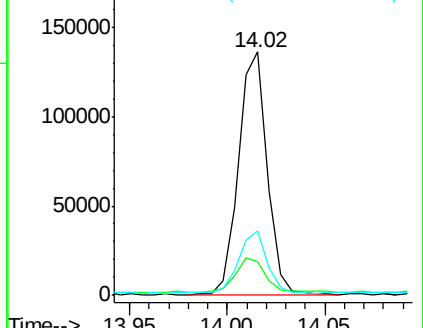
236 26.5 20.7 31.1



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



#77

Pyrene

Concen: 2.801 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.02 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

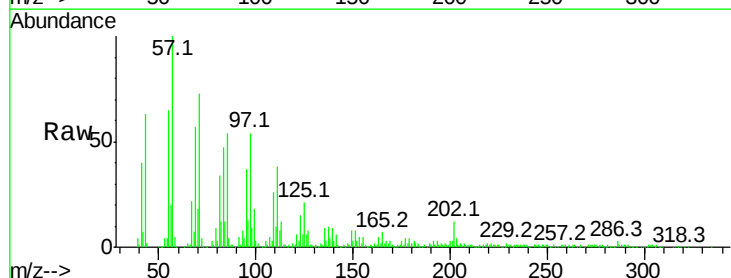
Tgt Ion:202 Resp: 29098

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

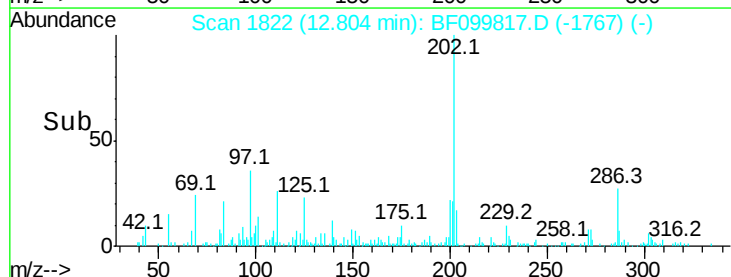
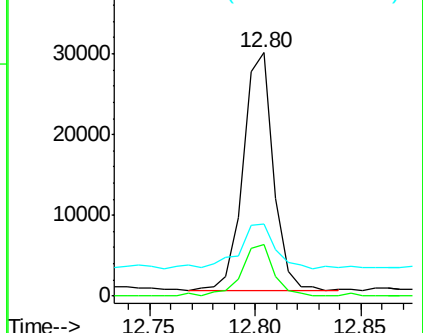
203 29.8 14.3 21.5#

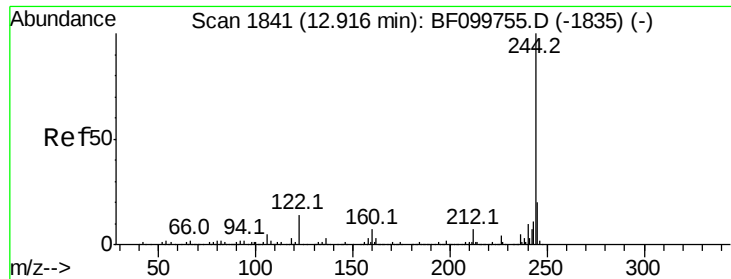


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

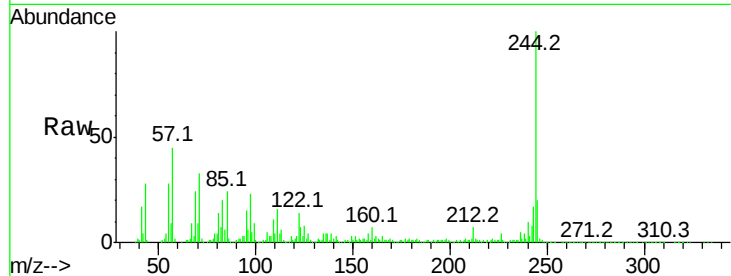




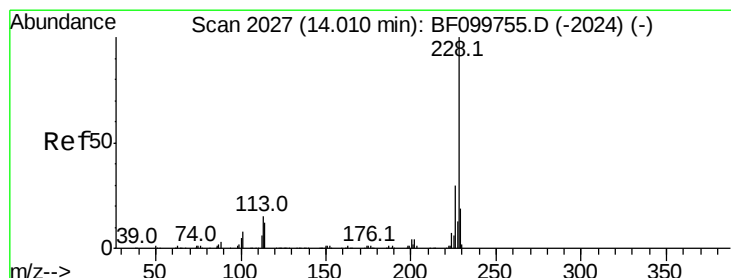
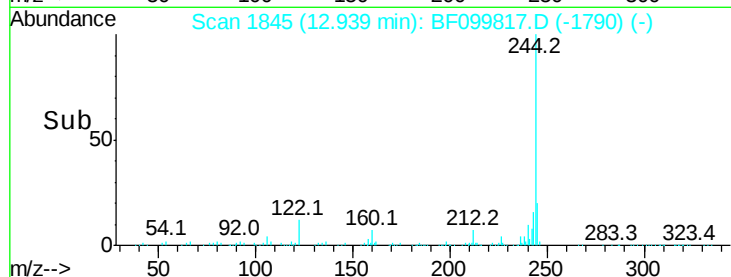
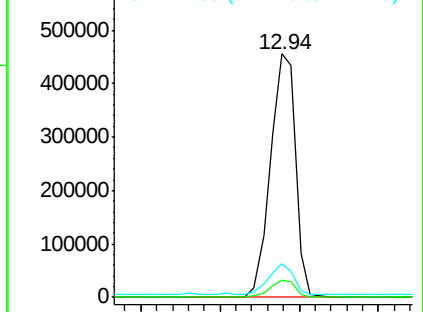
#78
 Terphenyl-d14
 Concen: 80.283 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.02 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 501941
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.0 11.0 16.4

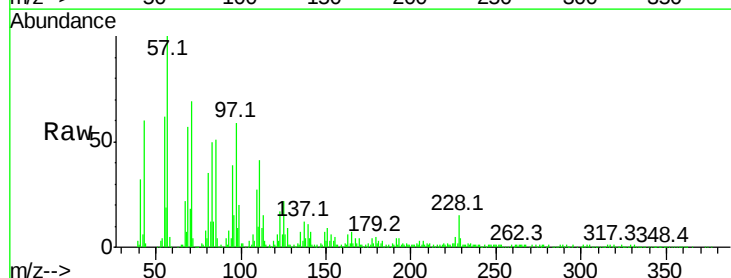


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

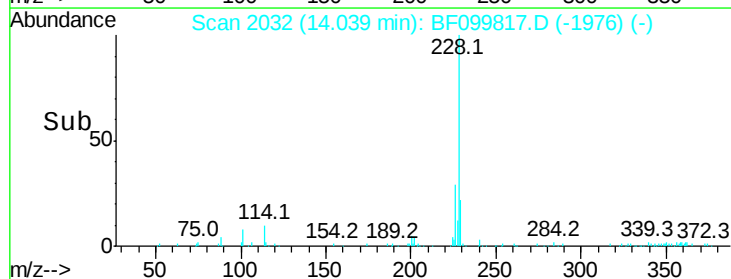
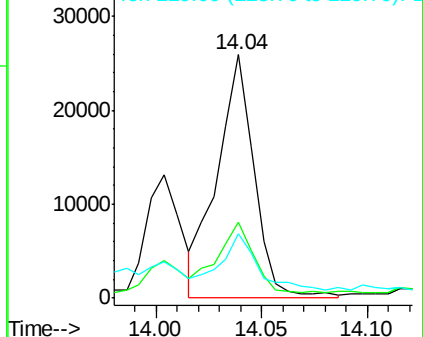


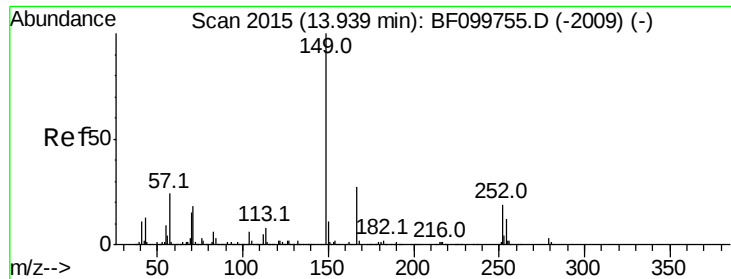
#82
 Chrysene
 Concen: 3.869 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.03 min
 Lab File: BF099817.D
 Acq: 25 Oct 2017 17:01

Tgt Ion:228 Resp: 31509
 Ion Ratio Lower Upper
 228 100
 226 31.3 25.0 37.6
 229 26.5 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

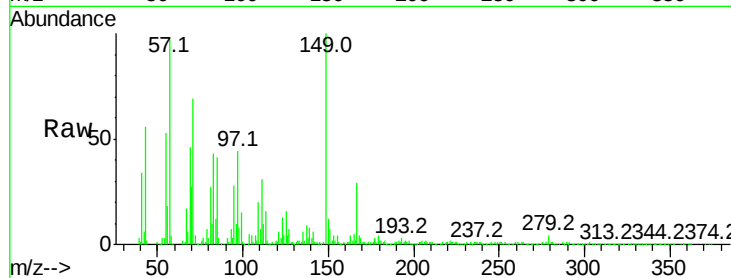




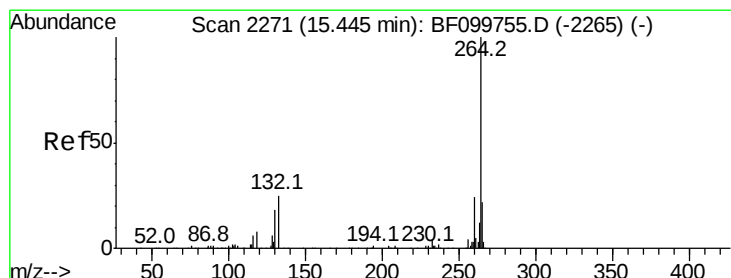
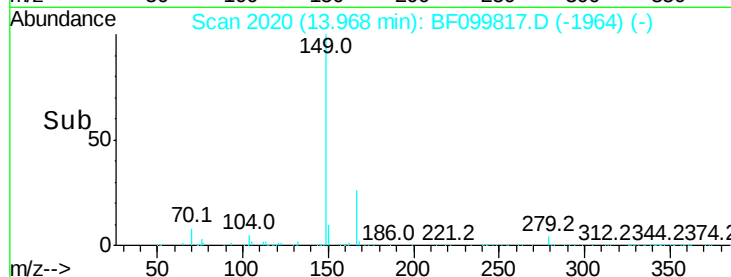
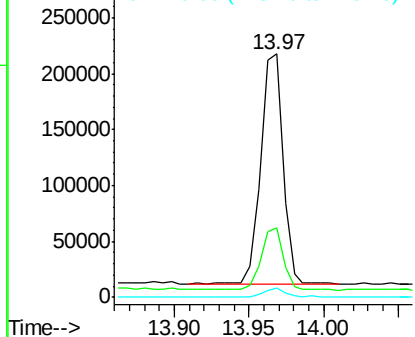
#83
Bis(2-ethylhexyl)phthalate
Concen: 29.351 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.03 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.7	21.3	31.9
279	3.9	3.0	4.4

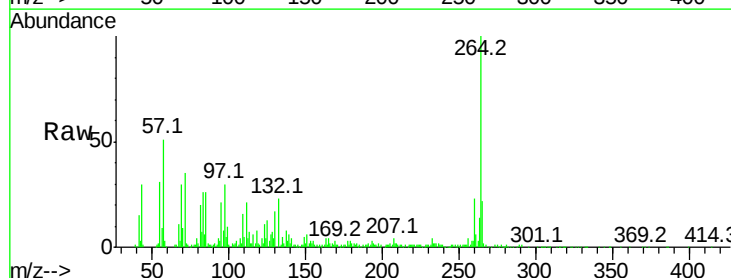


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

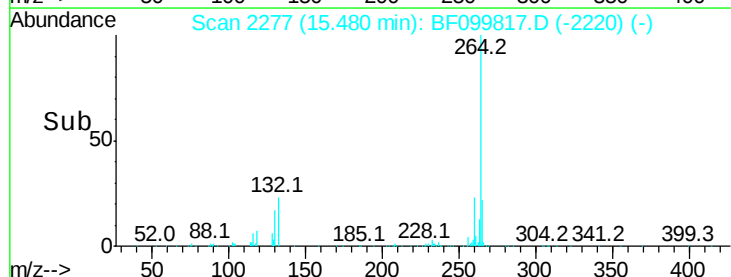
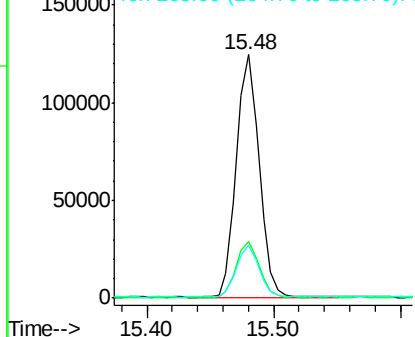


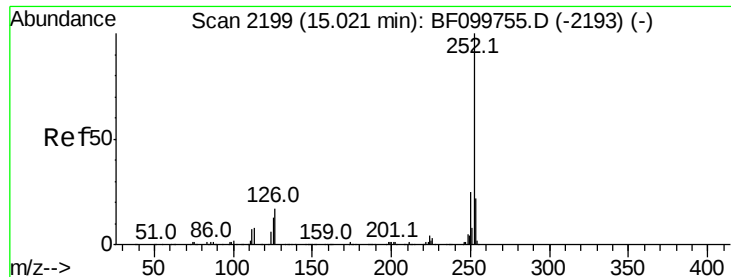
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.04 min
Lab File: BF099817.D
Acq: 25 Oct 2017 17:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.269 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.04 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

Instrument :

BNA_F

ClientSampleId :

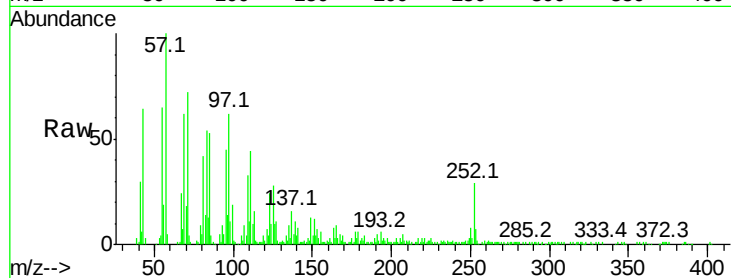
Tot Ion:252 Resp: 41674

Ion Ratio Lower Upper

252 100

253 25.5 17.0 25.6

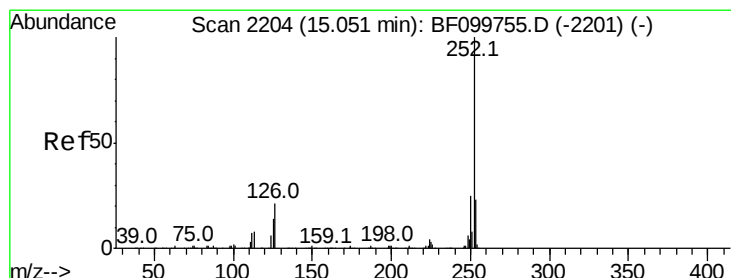
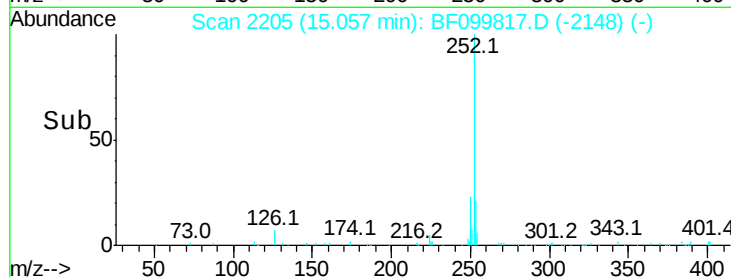
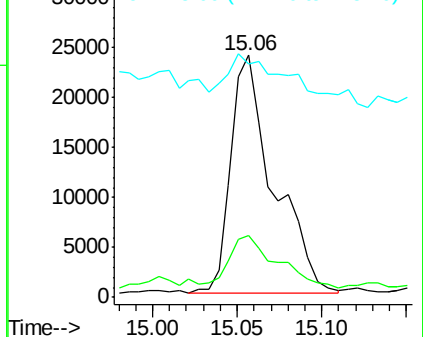
125 96.6 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.527 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF099817.D

Acq: 25 Oct 2017 17:01

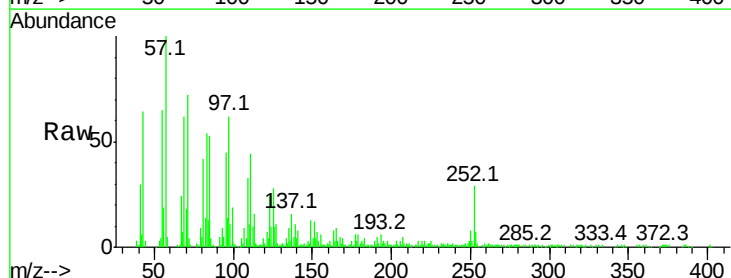
Tgt Ion:252 Resp: 41674

Ion Ratio Lower Upper

252 100

253 25.5 17.9 26.9

125 96.6 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

