

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
 Data File : BF086647.D
 Acq On : 3 May 2016 16:28
 Operator : UM/SJ
 Sample : H2685-05 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-2(0-10FTBGS)

Quant Time: May 04 02:30:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

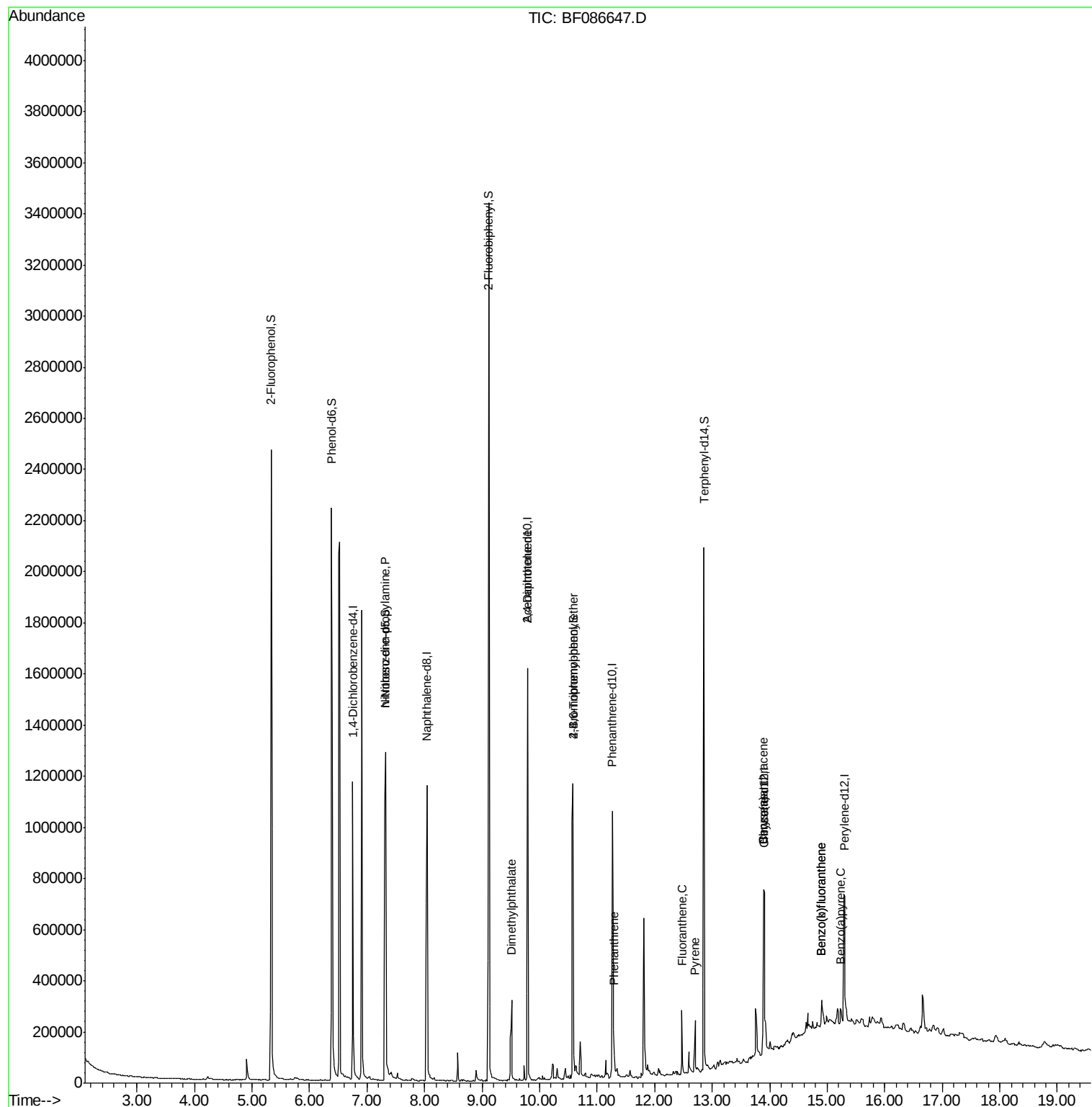
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	167572	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	664133	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	296325	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	453650	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	333670	20.00	ng	-0.06
86) Perylene-d12	15.30	264	313389	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	702599	72.32	ng	-0.06
7) Phenol-d6	6.38	99	984720	72.62	ng	-0.06
23) Nitrobenzene-d5	7.32	82	630704	51.19	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	189293	60.57	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	952891	50.67	ng	-0.06
78) Terphenyl-d14	12.85	244	609543	40.25	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	80601	8.99	ng	# 81
49) Dimethylphthalate	9.52	163	157218	7.05	ng	98
56) 2,4-Dinitrotoluene	9.79	165	38416	6.54	ng	# 16
66) 4-Bromophenyl-phenylether	10.58	248	11004	2.35	ng	# 1
70) Phenanthrene	11.29	178	58812	2.47	ng	99
74) Fluoranthene	12.48	202	103598	4.31	ng	96
77) Pyrene	12.71	202	92099	3.83	ng	99
80) Benzo(a)anthracene	13.89	228	55549	3.12	ng	95
82) Chrysene	13.89	228	55549	2.87	ng	96
87) Benzo(b)fluoranthene	14.90	252	82096	4.45	ng	95
88) Benzo(k)fluoranthene	14.90	252	82096	4.27	ng	# 93
89) Benzo(a)pyrene	15.23	252	36575	2.10	ng	# 84

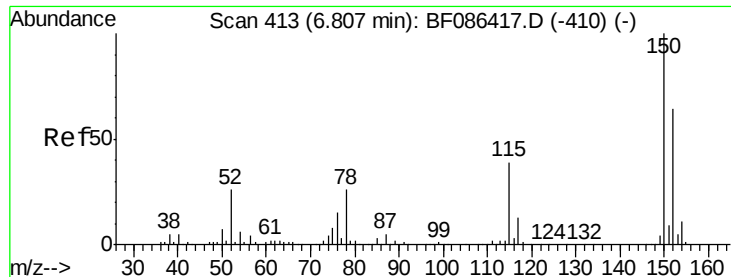
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.06 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-2(0-10FTBGS)

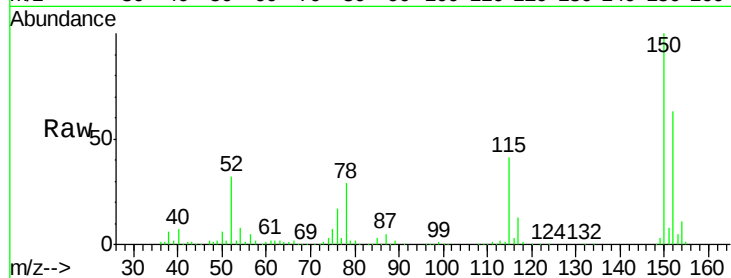
Tgt Ion:152 Resp: 167572

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.6

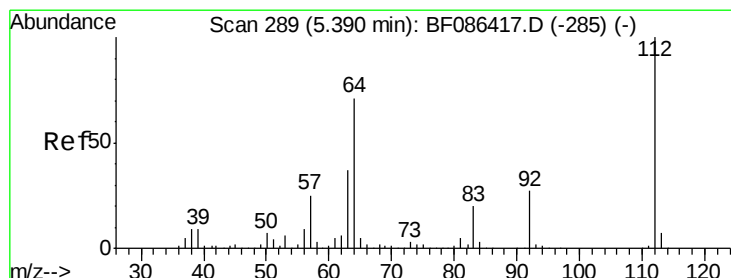
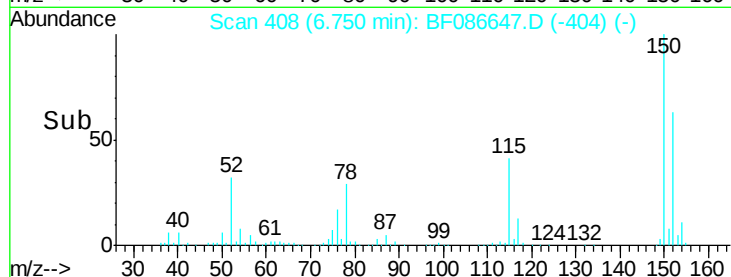
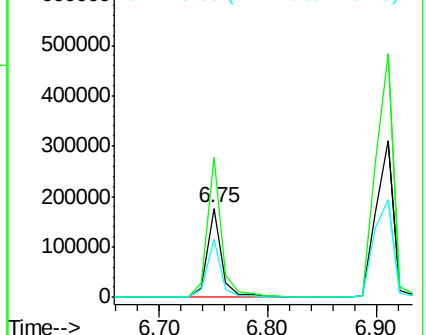
115 64.7 51.5 77.3



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: 72.32 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.06 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

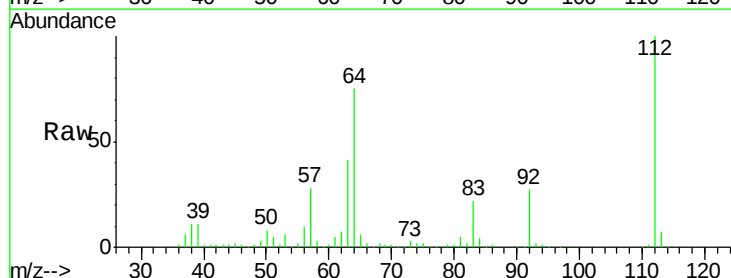
Tgt Ion:112 Resp: 702599

Ion Ratio Lower Upper

112 100

64 75.0 52.1 78.1

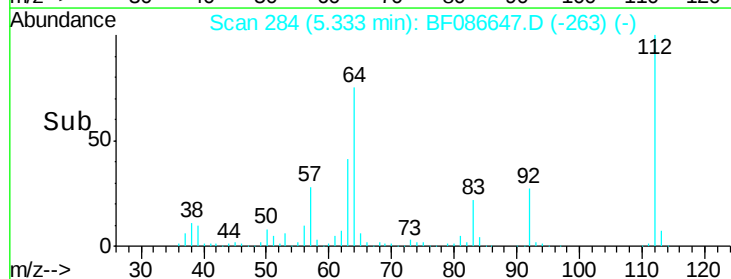
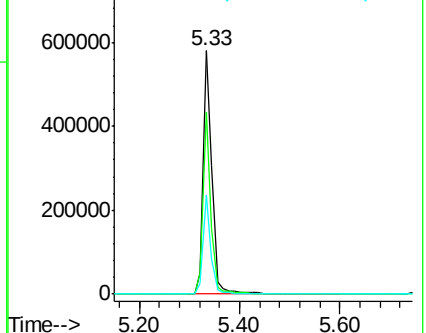
63 40.7 25.7 38.5

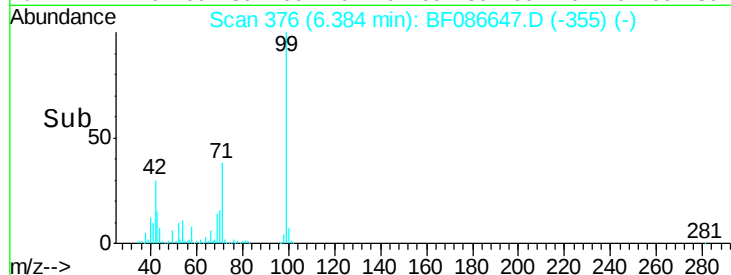
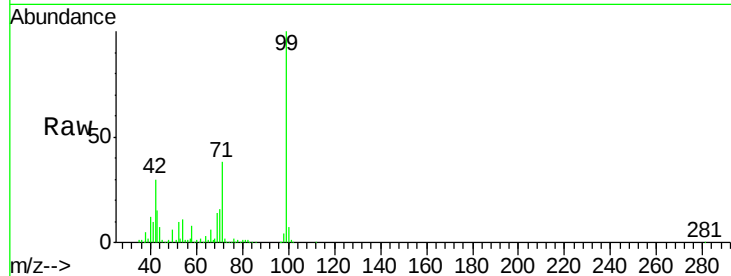
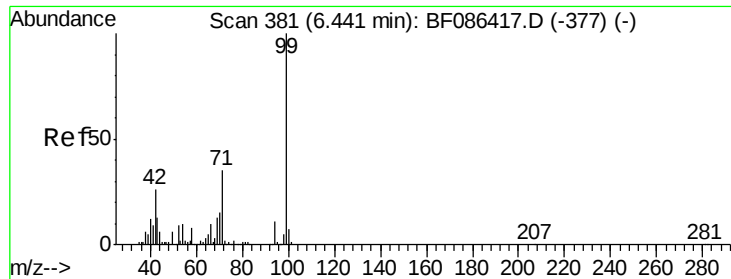


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 72.62 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-2(0-10FTBGS)

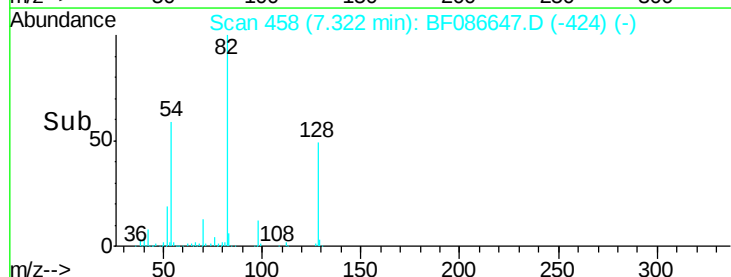
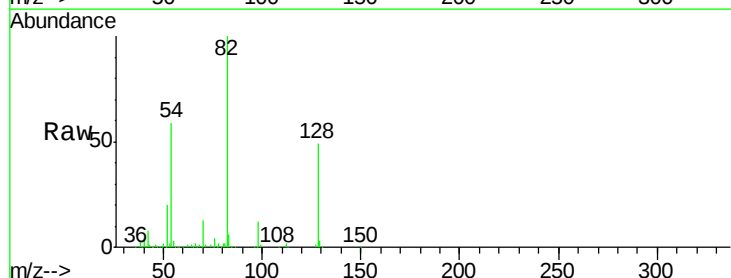
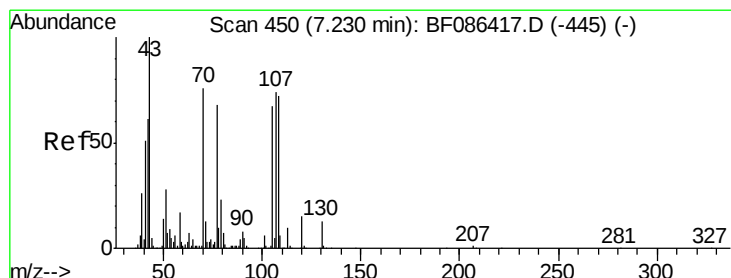
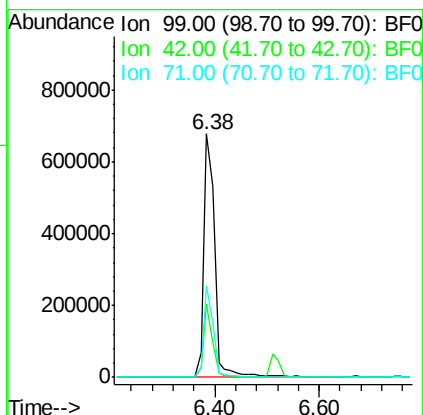
Tgt Ion: 99 Resp: 984720

Ion Ratio Lower Upper

99 100

42 30.2 13.6 20.4#

71 37.5 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 8.99 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.09 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

Tgt Ion: 70 Resp: 80601

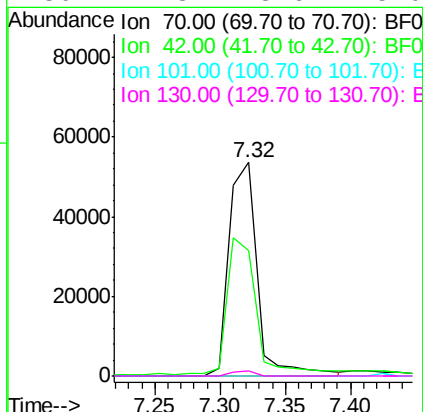
Ion Ratio Lower Upper

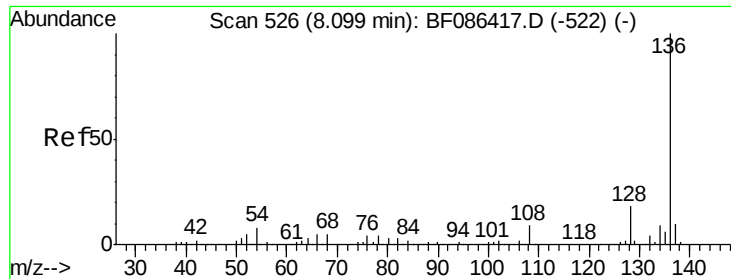
70 100

42 58.9 43.1 64.7

101 0.0 8.1 12.1#

130 2.3 18.6 28.0#

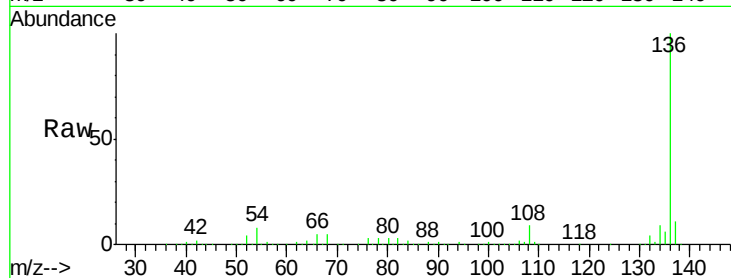




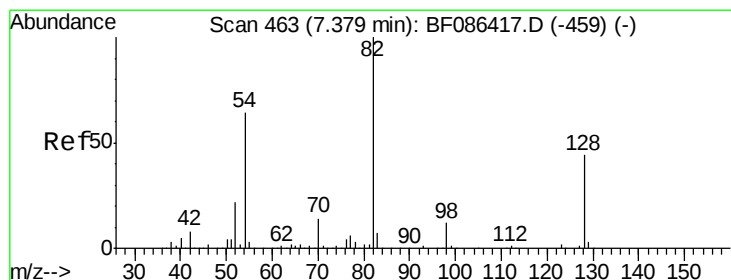
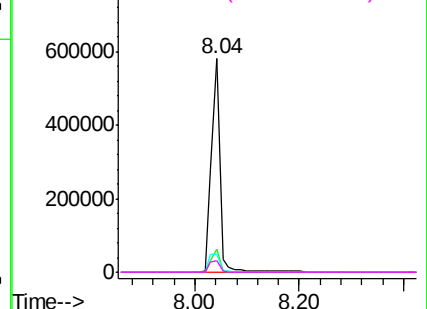
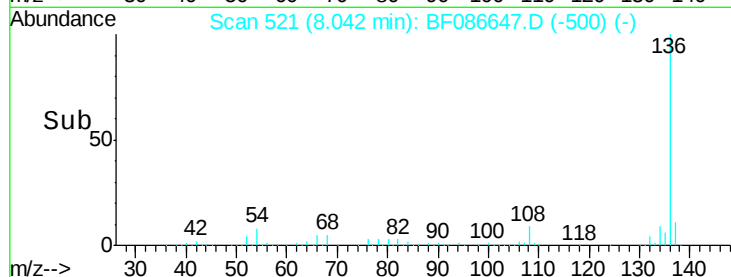
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion:	136	Resp:	664133
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	5.0	7.4#
68	5.2	4.4	6.6

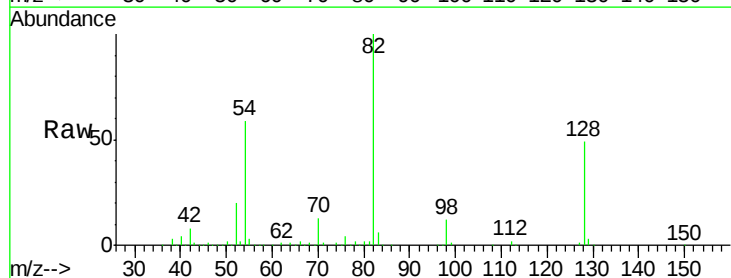


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

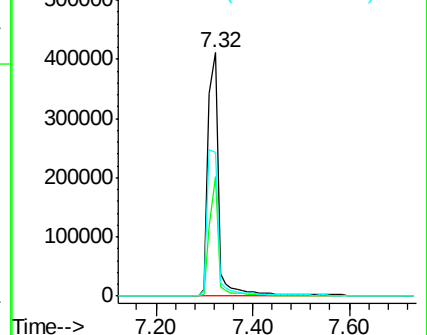
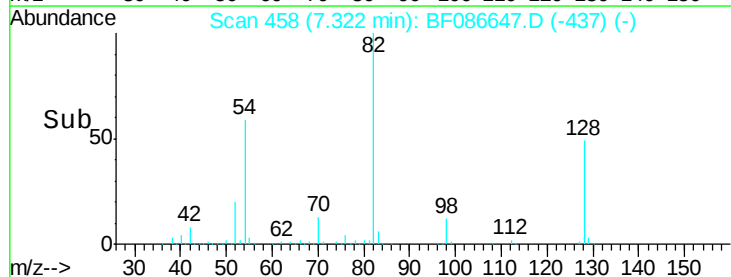


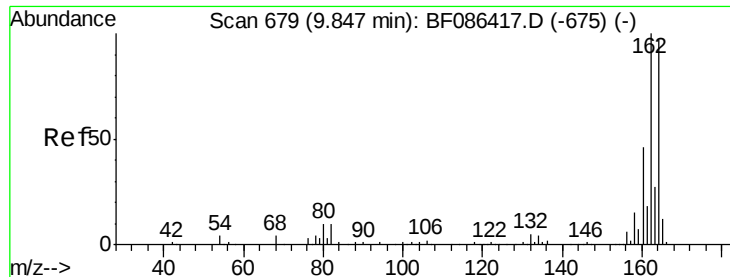
#23
Nitrobenzene-d5
Concen: 51.19 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Tgt Ion:	82	Resp:	630704
Ion	Ratio	Lower	Upper
82	100		
128	49.3	40.6	61.0
54	59.3	38.1	57.1#



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

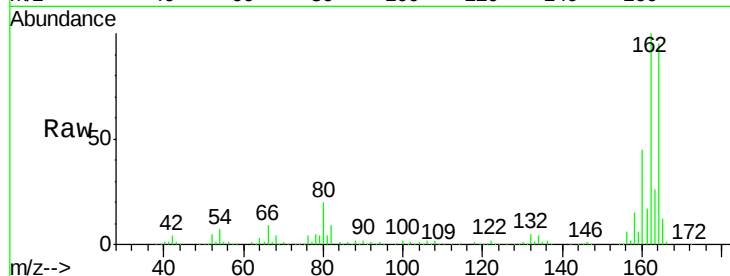




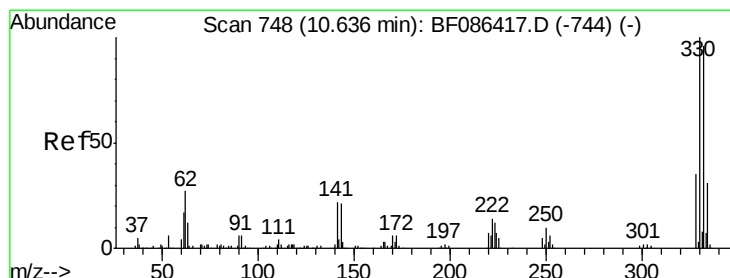
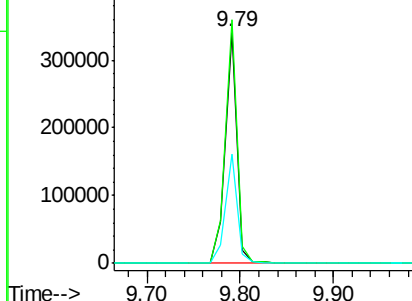
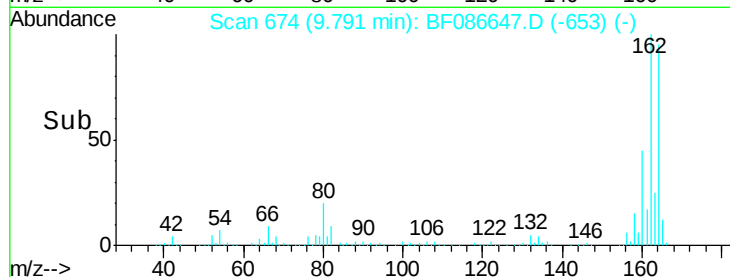
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion:164 Resp: 296325
 Ion Ratio Lower Upper
 164 100
 162 105.4 82.8 124.2
 160 47.3 36.9 55.3

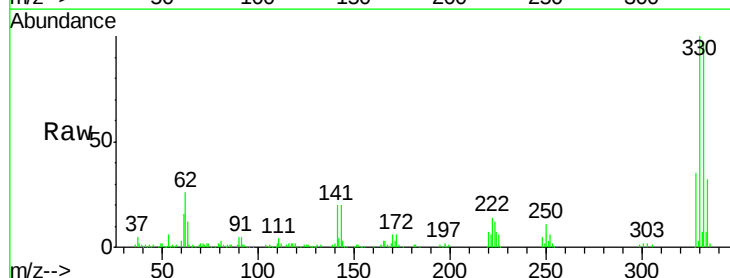


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

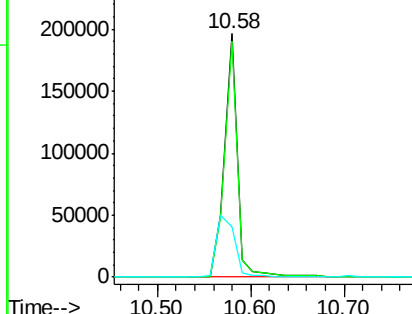
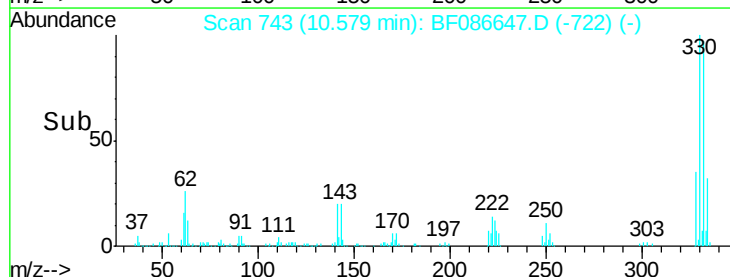


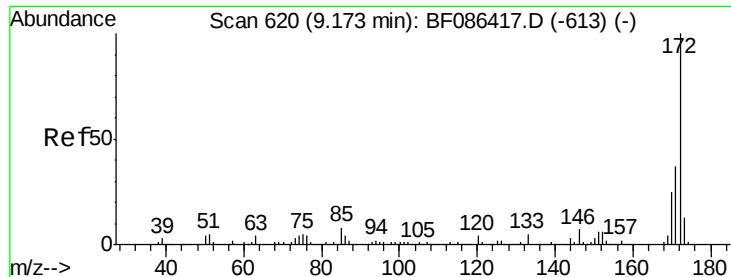
#41
 2,4,6-Tribromophenol
 Concen: 60.57 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Tgt Ion:330 Resp: 189293
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.0 118.4
 141 36.4 31.2 46.8



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

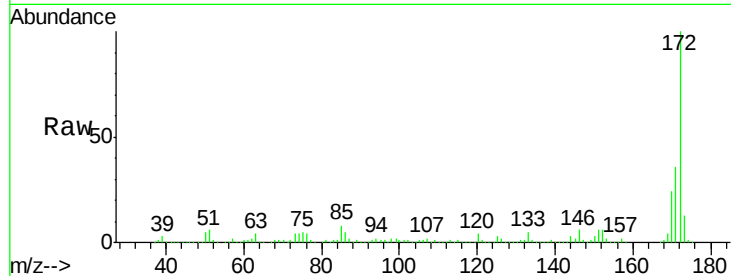




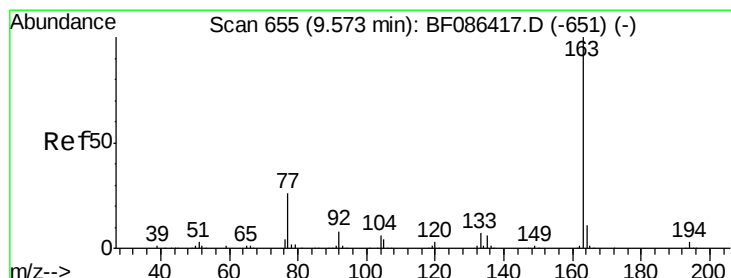
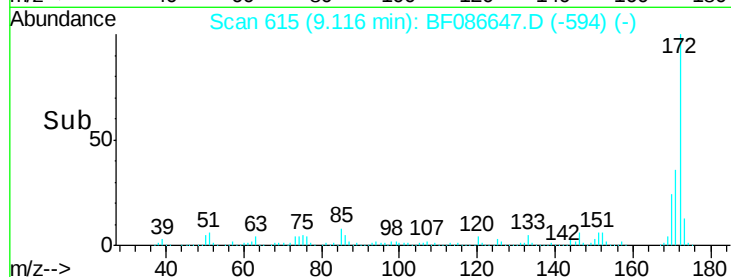
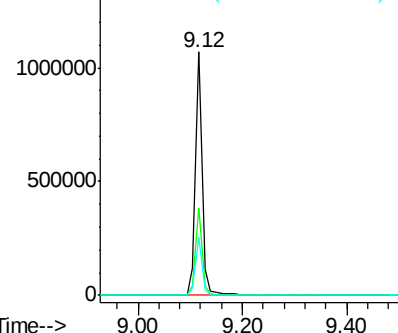
#44
 2-Fluorobiphenyl
 Concen: 50.67 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Instrument :
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 26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion:172 Resp: 952891
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.0 19.8 29.8

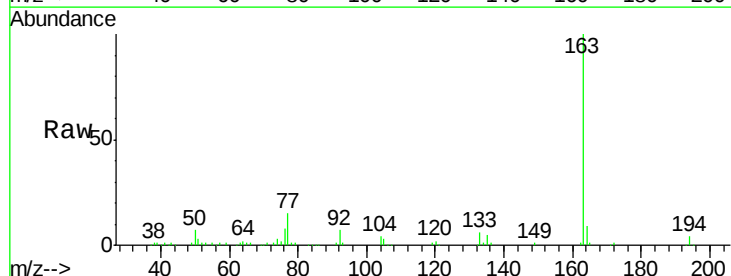


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

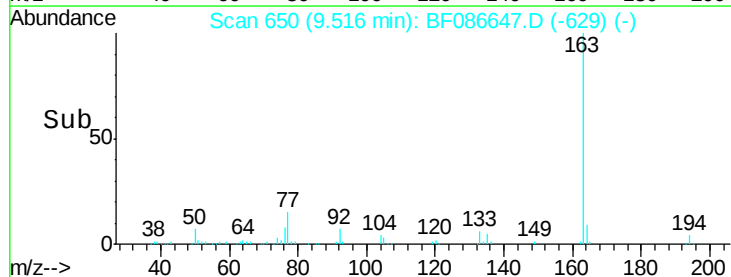
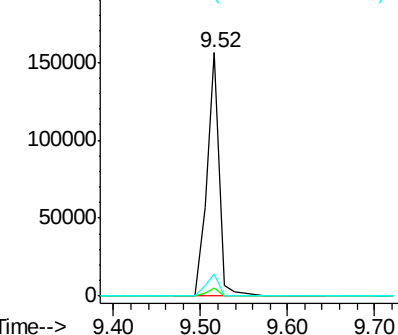


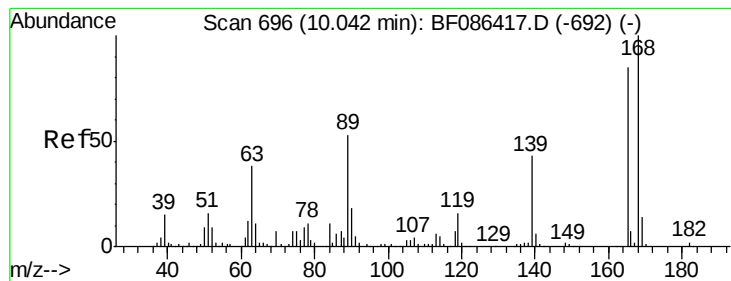
#49
 Dimethylphthalate
 Concen: 7.05 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Tgt Ion:163 Resp: 157218
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 9.3 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

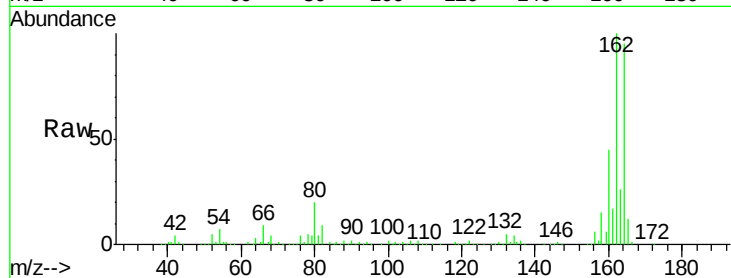




#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.25 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	1.6	70.0	105.0#
182	0.0	1.8	2.6#

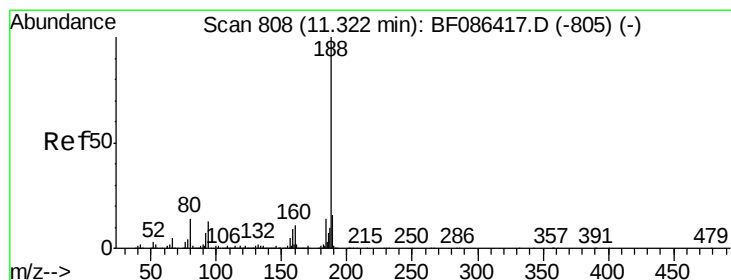
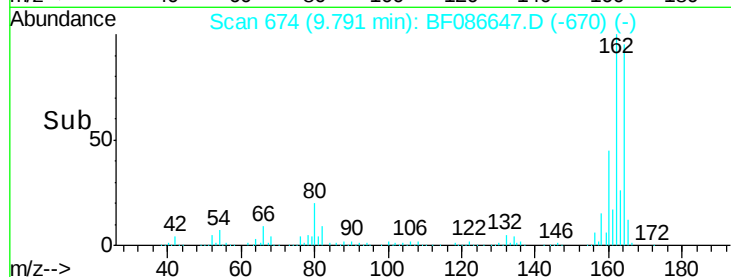
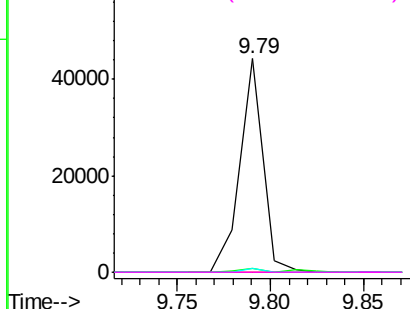


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

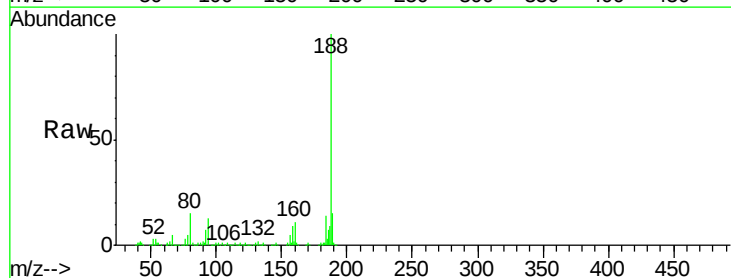
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

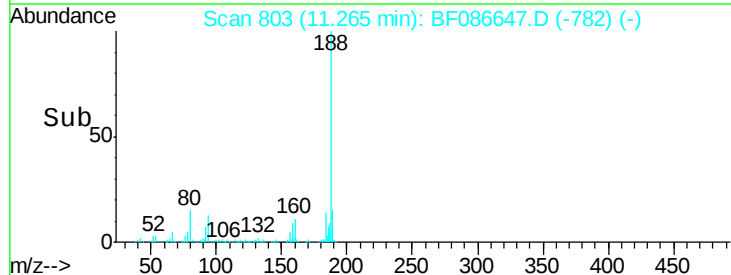
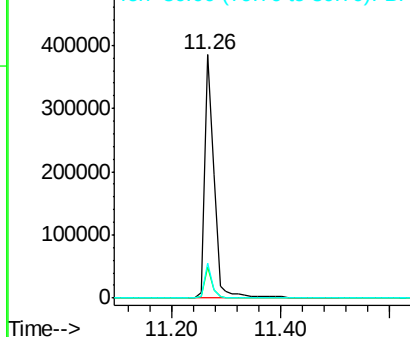
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	6.8	10.2#
80	14.5	7.1	10.7#

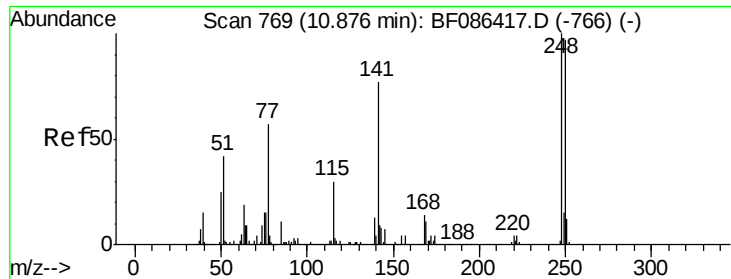


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 2.35 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.30 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

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26WARD-2B-CS-2(0-10FTBGS)

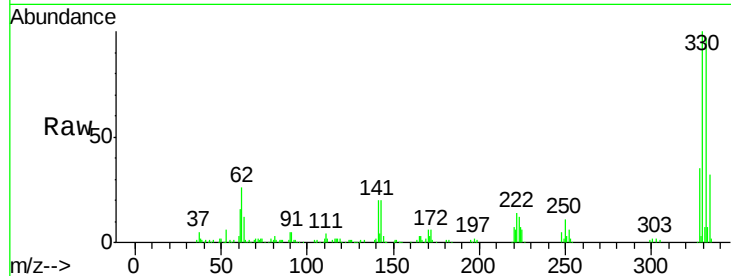
Tgt Ion:248 Resp: 11004

Ion Ratio Lower Upper

248 100

250 197.8 78.6 117.8#

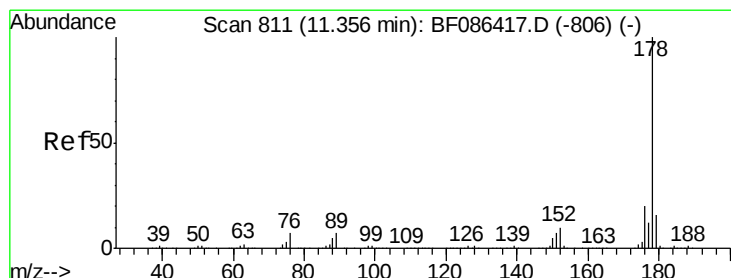
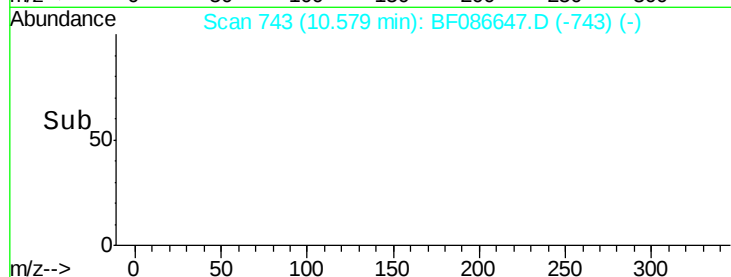
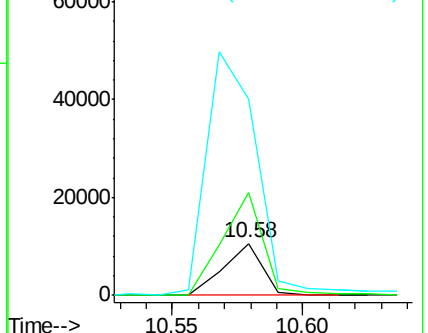
141 377.1 76.0 114.0#



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



#70

Phenanthrene

Concen: 2.47 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.07 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

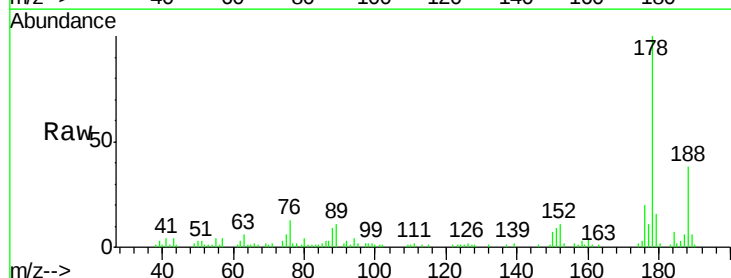
Tgt Ion:178 Resp: 58812

Ion Ratio Lower Upper

178 100

176 20.3 16.0 24.0

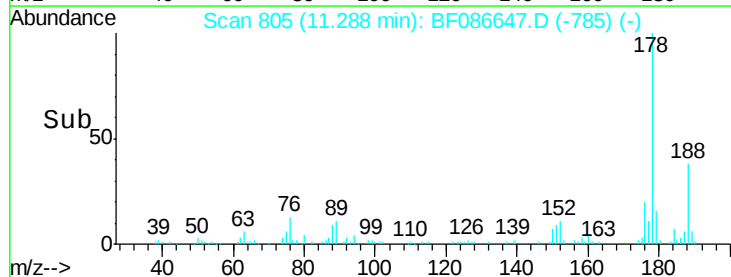
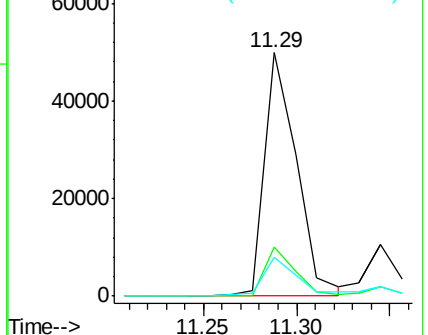
179 16.1 12.6 18.8

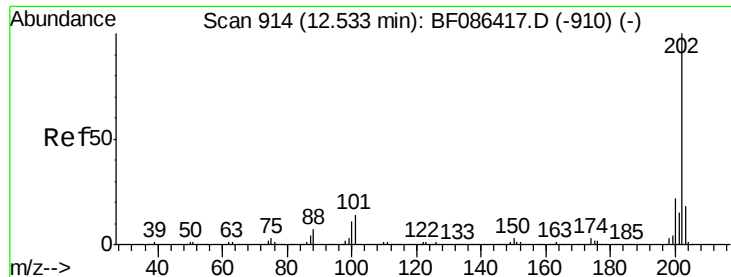


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

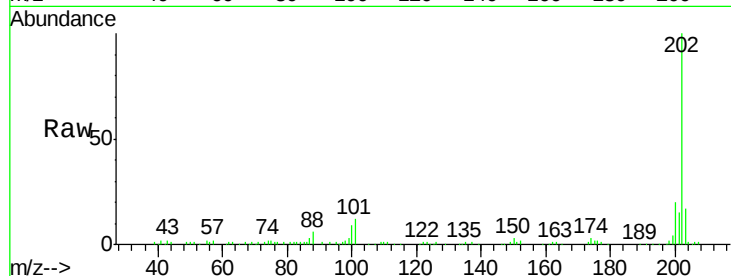




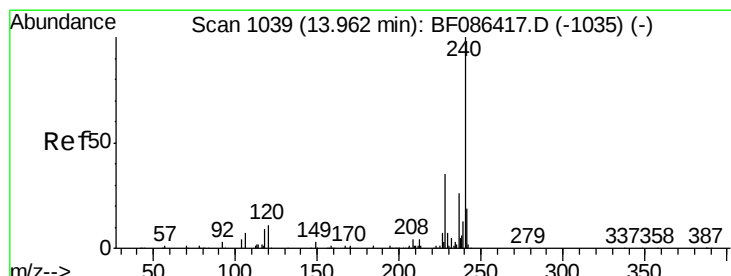
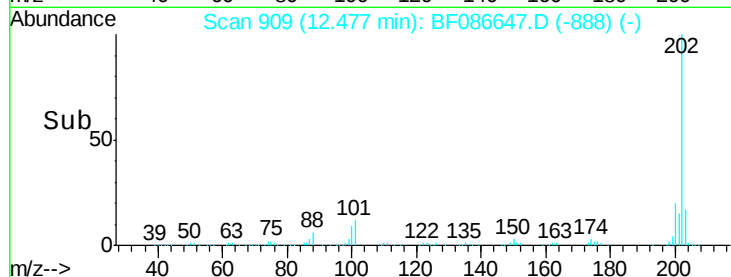
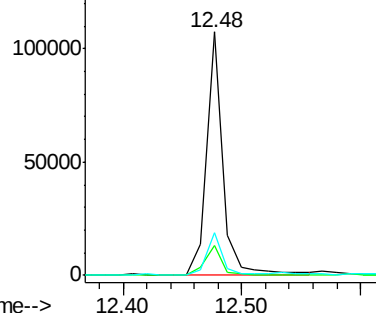
#74
Fluoranthene
Concen: 4.31 ng
RT: 12.48 min Scan# 909
Delta R.T. -0.06 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	103598		
101	12.1		0.0	35.4
203	17.4		0.0	38.1

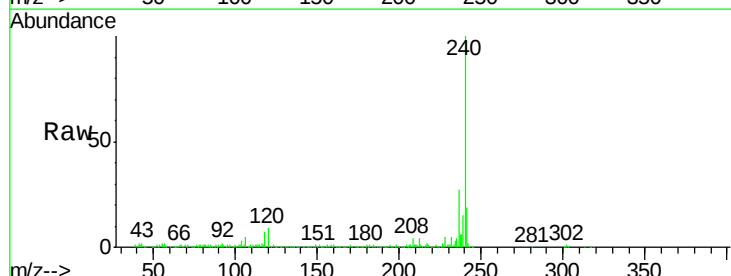


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

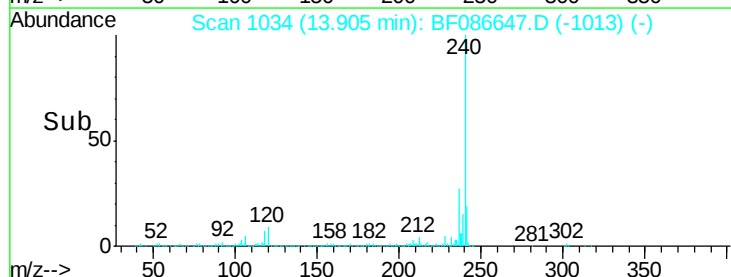
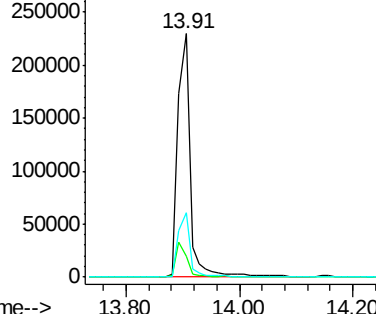


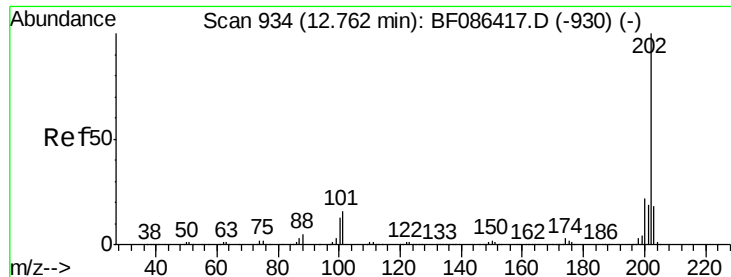
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.06 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	333670		
120	8.6		11.2	16.8#
236	26.6		21.2	31.8



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

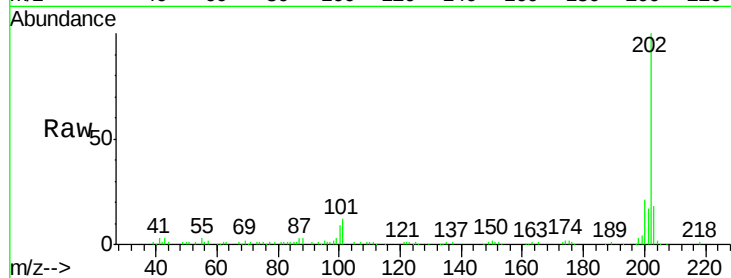




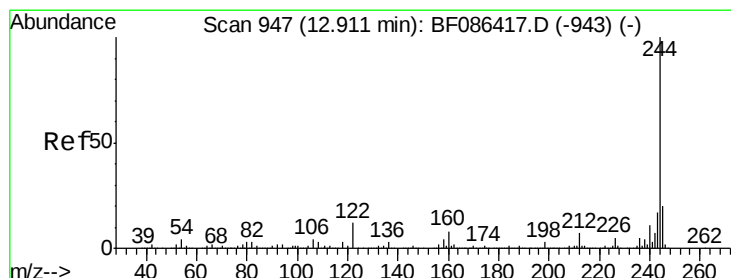
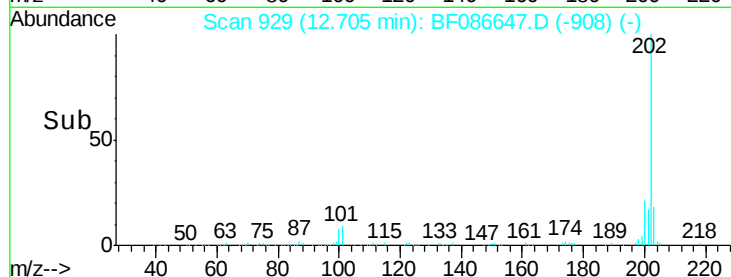
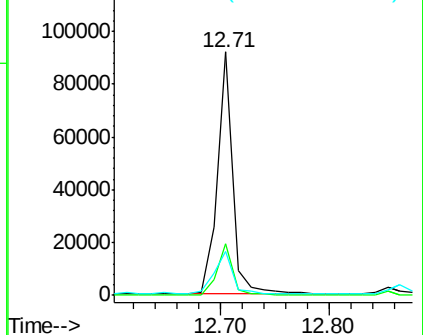
#77
 Pyrene
 Concen: 3.83 ng
 RT: 12.71 min Scan# 929
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion: 202 Resp: 92099
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.7 26.5
 203 18.0 14.2 21.4

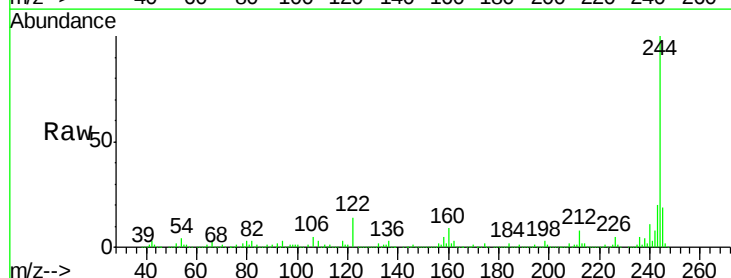


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

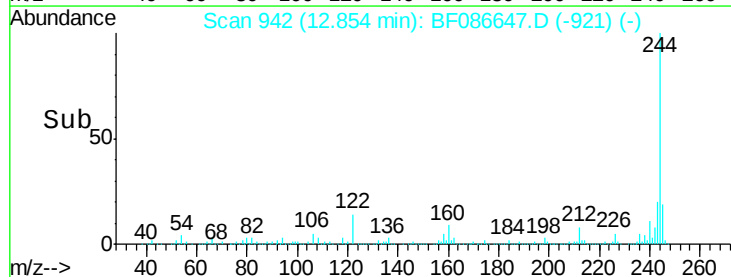
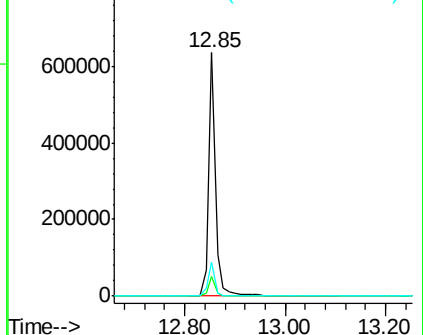


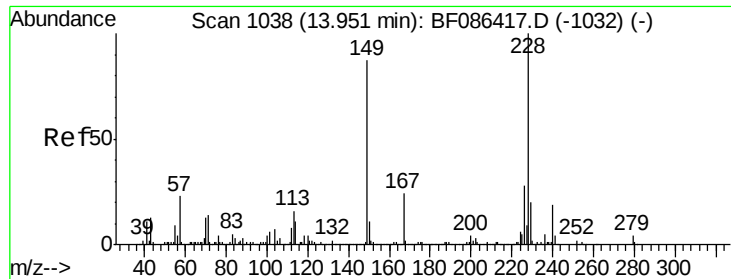
#78
 Terphenyl-d14
 Concen: 40.25 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.06 min
 Lab File: BF086647.D
 Acq: 3 May 2016 16:28

Tgt Ion: 244 Resp: 609543
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 13.8 12.0 18.0



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





#80

Benzo(a)anthracene

Concen: 3.12 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

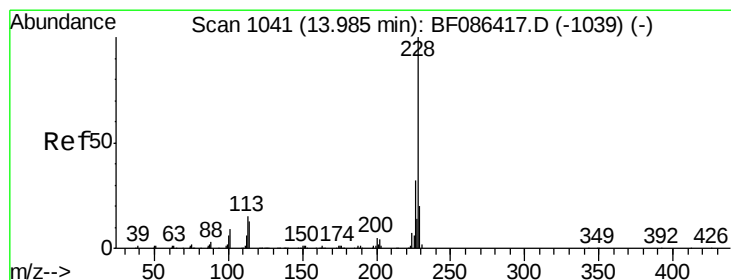
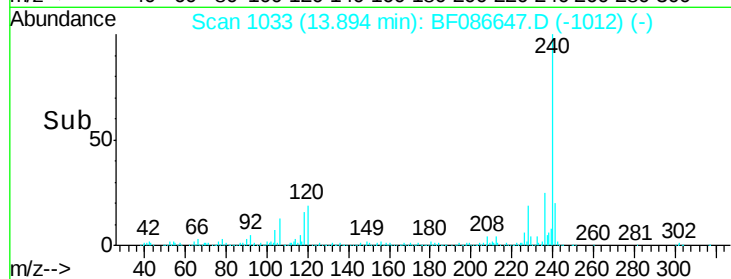
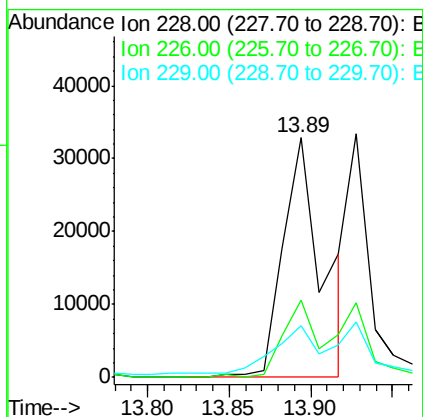
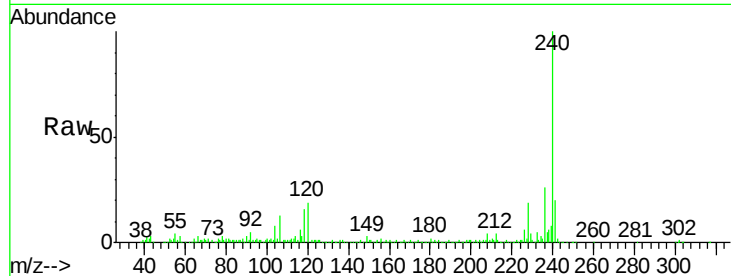
Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion:	228	Resp:	55549
Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.5	33.7
229	21.8	16.6	25.0



#82

Chrysene

Concen: 2.87 ng

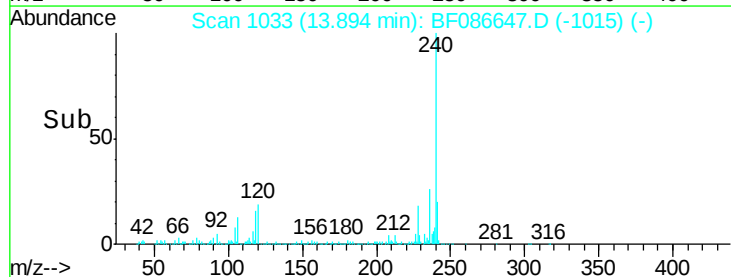
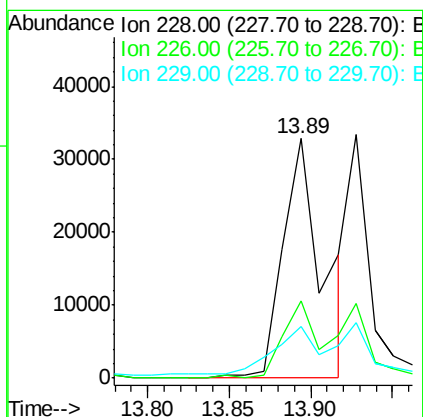
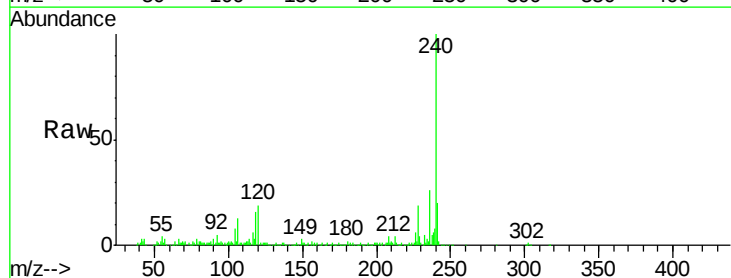
RT: 13.89 min Scan# 1033

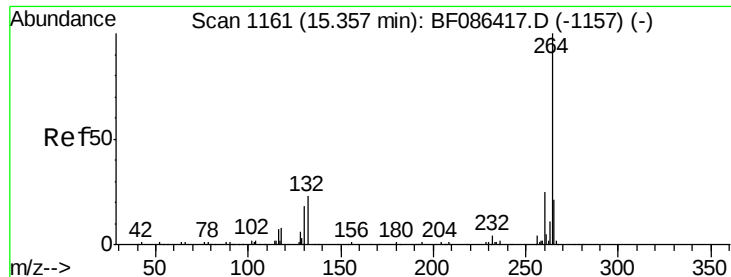
Delta R.T. -0.09 min

Lab File: BF086647.D

Acq: 3 May 2016 16:28

Tgt Ion:	228	Resp:	55549
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.4	36.6
229	21.8	15.8	23.8

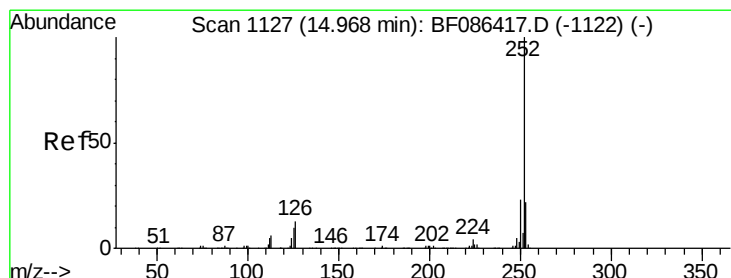
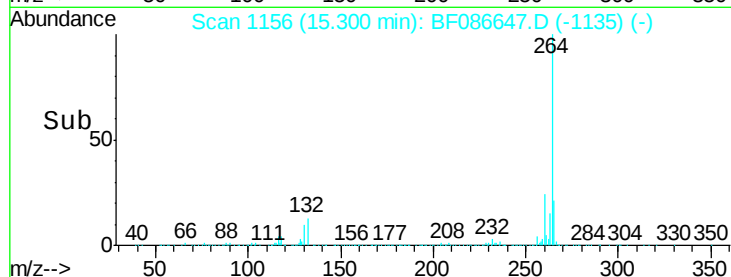
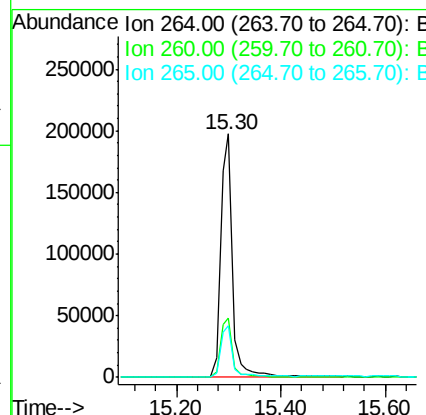
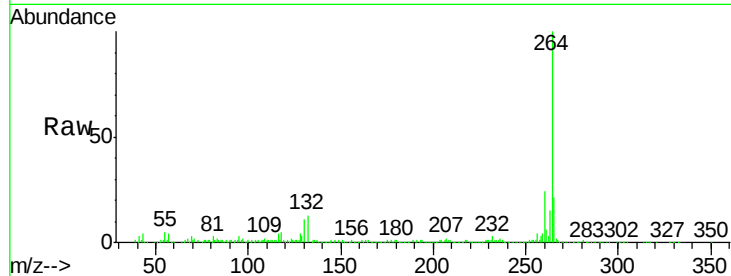




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

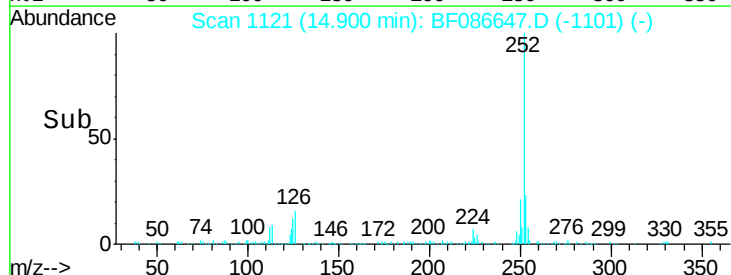
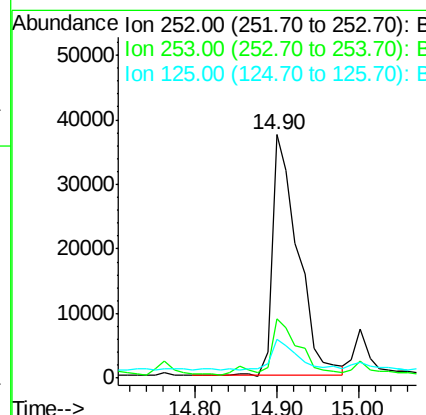
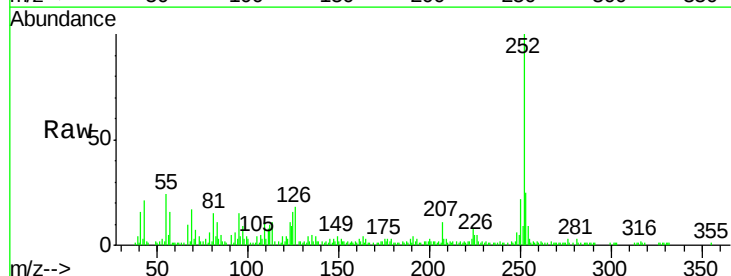
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-2(0-10FTBGS)

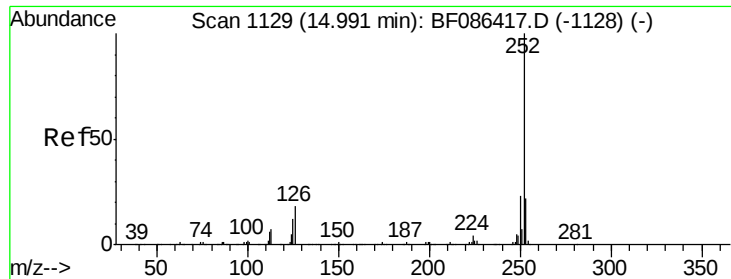
Tgt Ion:264 Resp: 313389
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.45 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.07 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Tgt Ion:252 Resp: 82096
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 16.0 11.4 17.0

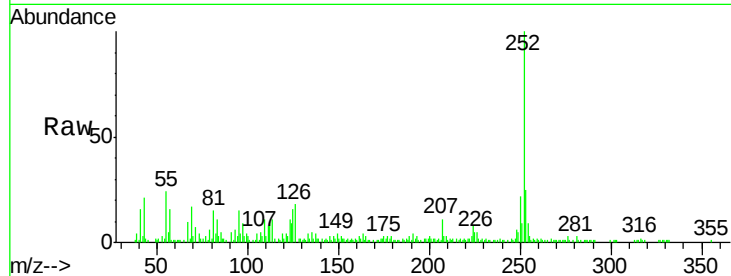




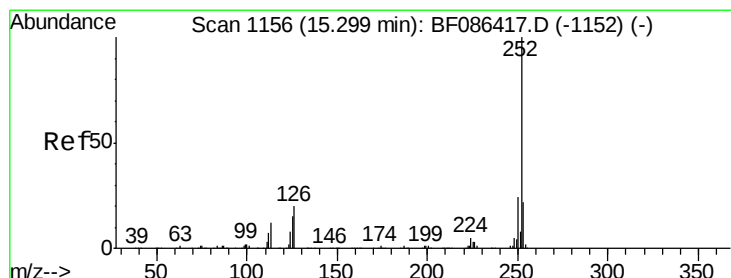
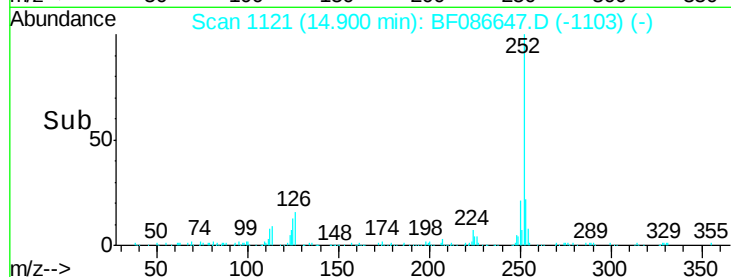
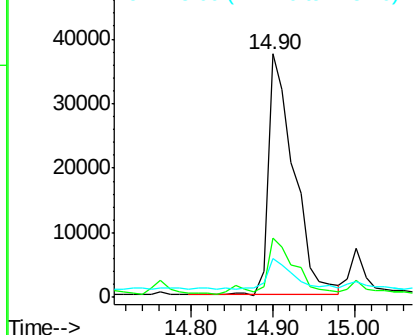
#88
Benzo(k)fluoranthene
Concen: 4.27 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.09 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-2(0-10FTBGS)

Tgt Ion:252 Resp: 82096
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 16.0 9.1 13.7#

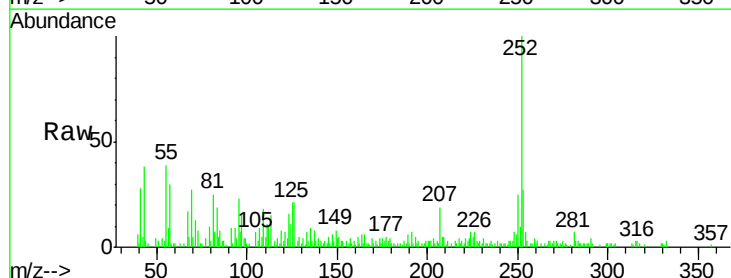


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.10 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.07 min
Lab File: BF086647.D
Acq: 3 May 2016 16:28

Tgt Ion:252 Resp: 36575
Ion Ratio Lower Upper
252 100
253 27.2 17.2 25.8#
125 20.7 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

