

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
 Data File : BF086649.D
 Acq On : 3 May 2016 17:25
 Operator : UM/SJ
 Sample : H2685-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

Quant Time: May 04 02:31:15 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	196011	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	796413	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	345921	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	524960	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	402654	20.00	ng	-0.06
86) Perylene-d12	15.30	264	355151	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1043789	91.85	ng	-0.04
7) Phenol-d6	6.40	99	1420161	89.54	ng	-0.05
23) Nitrobenzene-d5	7.32	82	1011652	68.47	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	290756	79.70	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1337680	63.78	ng	-0.06
78) Terphenyl-d14	12.85	244	933794	51.09	ng	-0.06

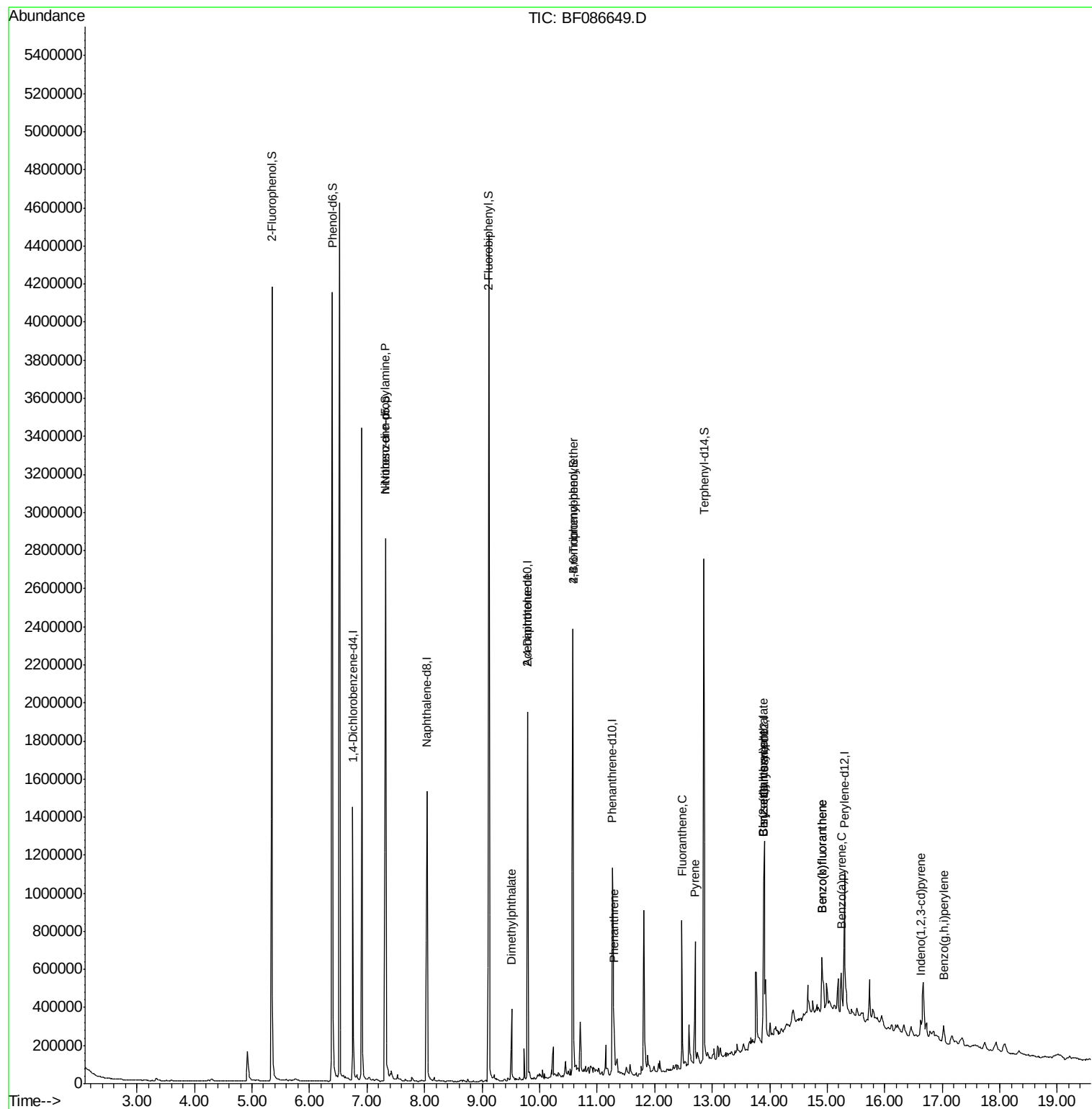
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	140525	13.40	ng	# 77
49) Dimethylphthalate	9.52	163	167953	6.45	ng	98
56) 2,4-Dinitrotoluene	9.79	165	45649	6.66	ng	# 16
66) 4-Bromophenyl-phenylether	10.58	248	18002	3.33	ng	# 1
70) Phenanthrene	11.29	178	144947	5.26	ng	99
74) Fluoranthene	12.48	202	288652	10.38	ng	97
77) Pyrene	12.70	202	263929	9.10	ng	99
80) Benzo(a)anthracene	13.89	228	115288	5.37	ng	99
82) Chrysene	13.89	228	114999	4.93	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	33474	2.15	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.63	276	74207	4.29	ng	93
87) Benzo(b)fluoranthene	14.91	252	238289	11.41	ng	99
88) Benzo(k)fluoranthene	14.91	252	238289	10.93	ng	98
89) Benzo(a)pyrene	15.24	252	114390	5.80	ng	97
91) Benzo(g,h,i)perylene	17.03	276	71377	4.41	ng	93

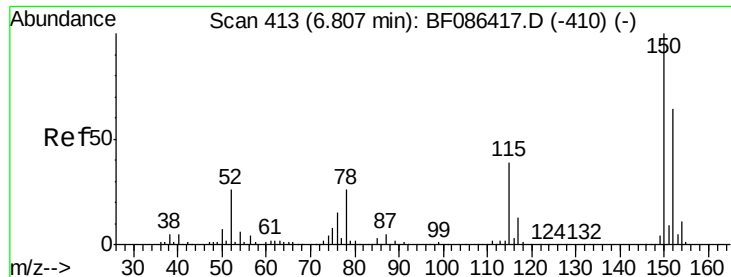
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

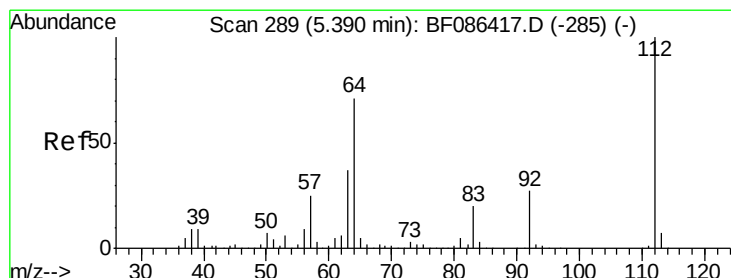
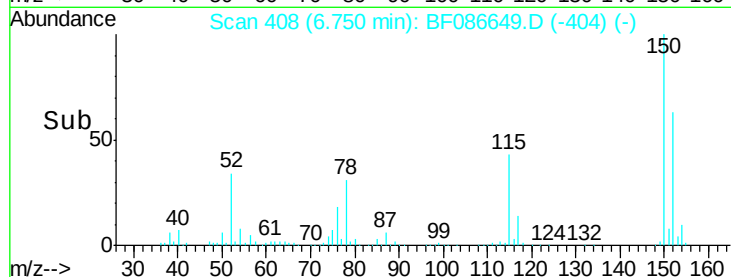
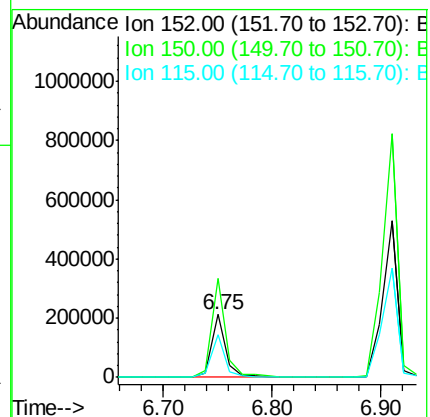
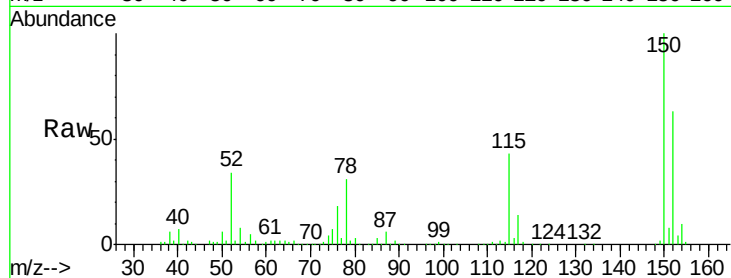
Tgt Ion:152 Resp: 196011

Ion Ratio Lower Upper

152 100

150 158.4 125.8 188.6

115 67.4 51.5 77.3



#5

2-Fluorophenol

Concen: 91.85 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.04 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

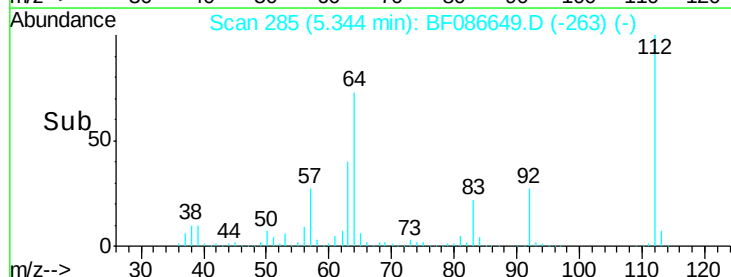
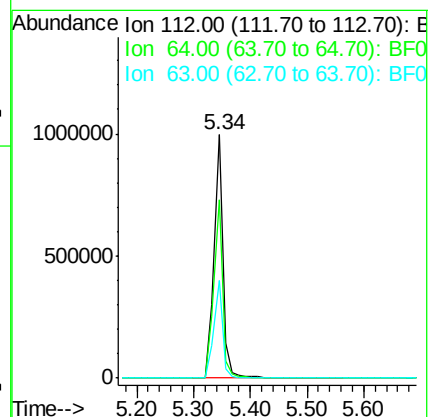
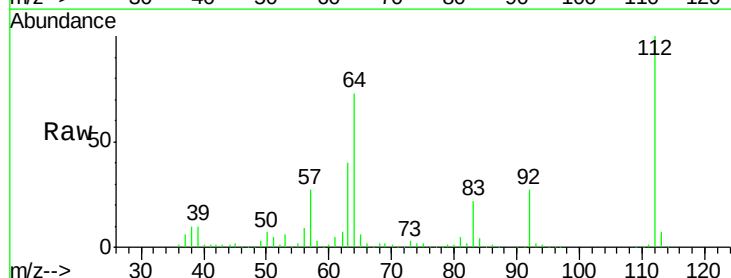
Tgt Ion:112 Resp: 1043789

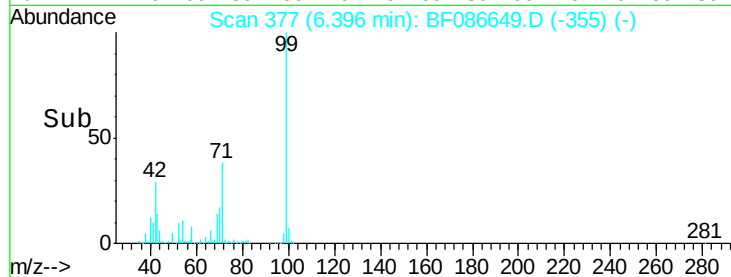
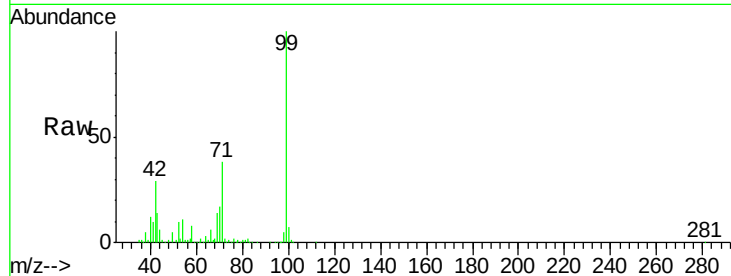
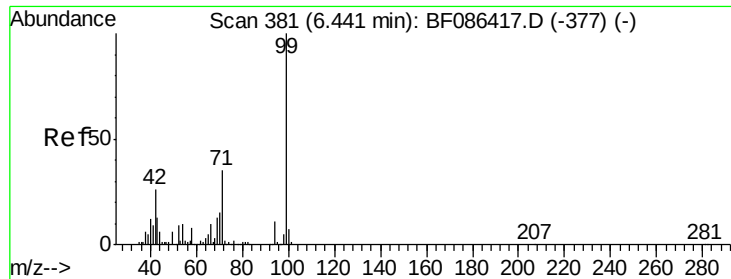
Ion Ratio Lower Upper

112 100

64 73.3 52.1 78.1

63 40.1 25.7 38.5





#7

Phenol-d6

Concen: 89.54 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

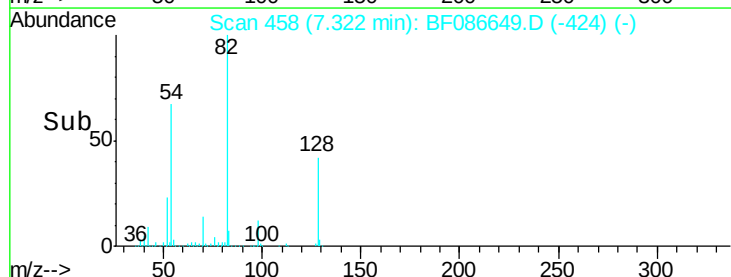
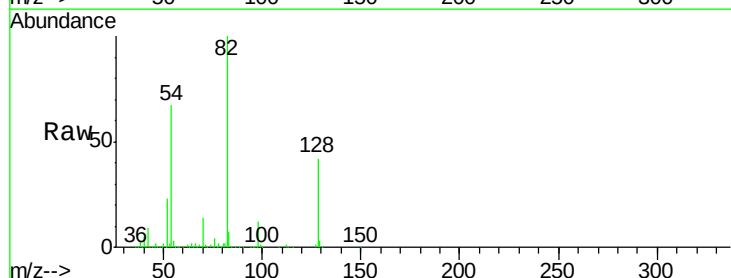
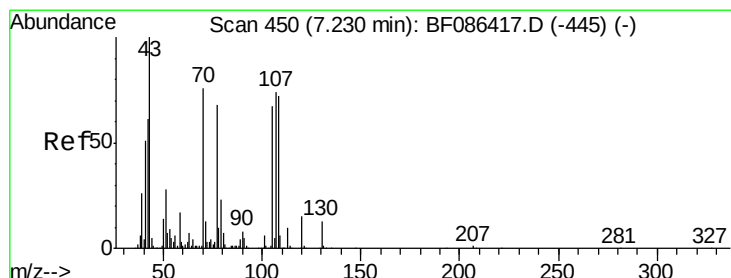
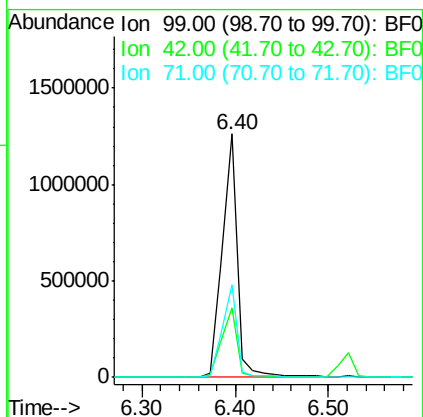
Tgt Ion: 99 Resp: 1420161

Ion Ratio Lower Upper

99 100

42 28.6 13.6 20.4#

71 38.1 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.40 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.09 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Tgt Ion: 70 Resp: 140525

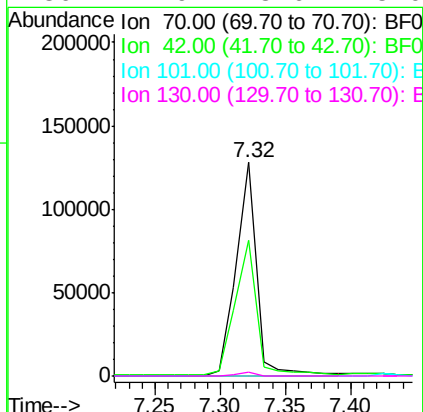
Ion Ratio Lower Upper

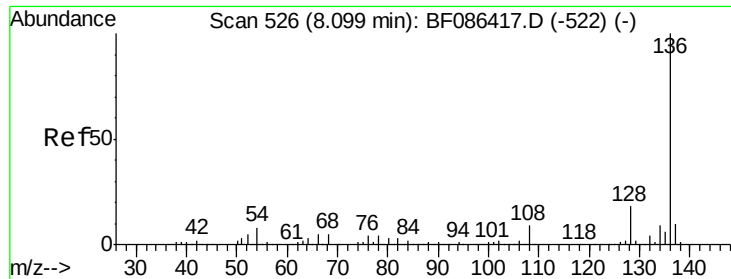
70 100

42 63.7 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

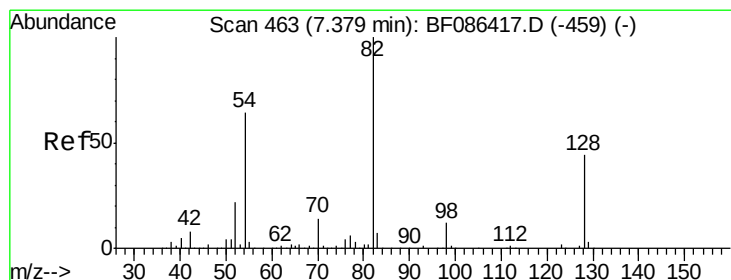
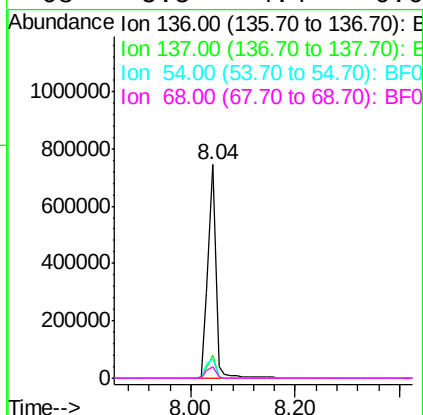
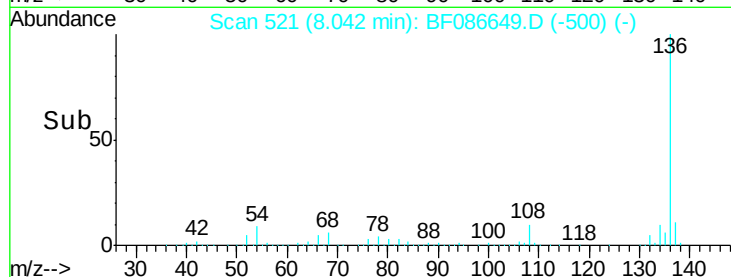
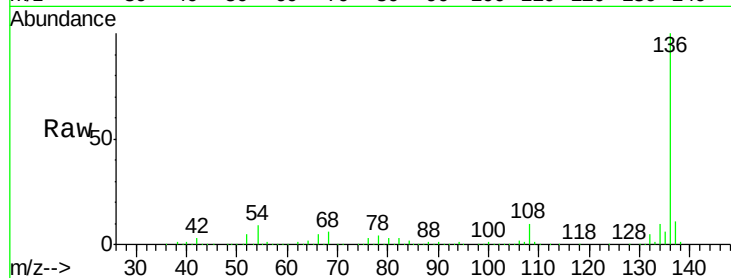




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

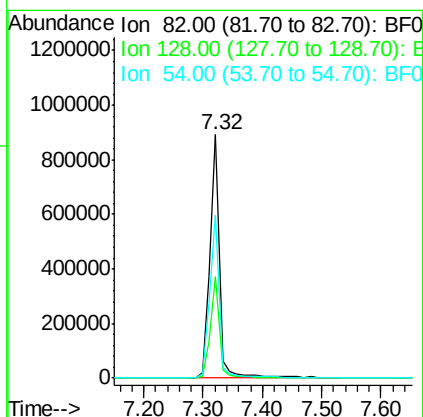
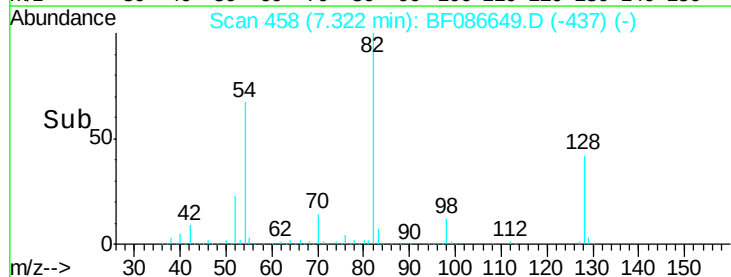
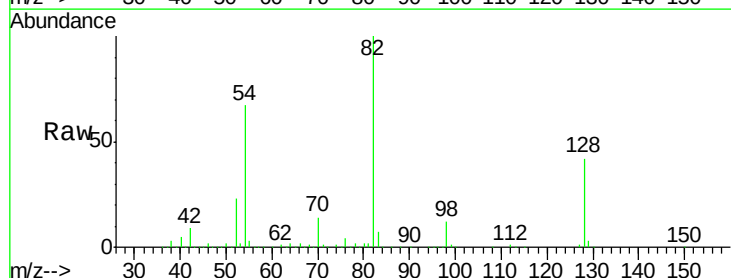
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

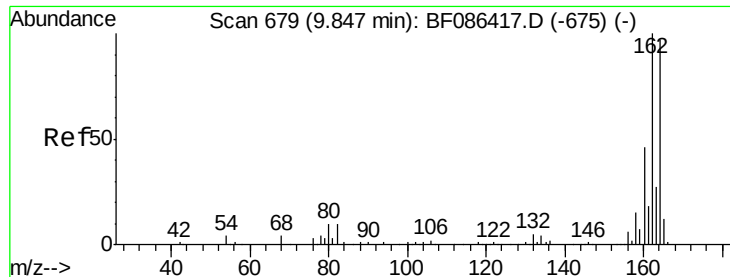
Tgt Ion:	136	Resp:	796413
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.0	5.0	7.4#
68	5.5	4.4	6.6



#23
Nitrobenzene-d5
Concen: 68.47 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion:	82	Resp:	1011652
Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	61.0
54	66.7	38.1	57.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

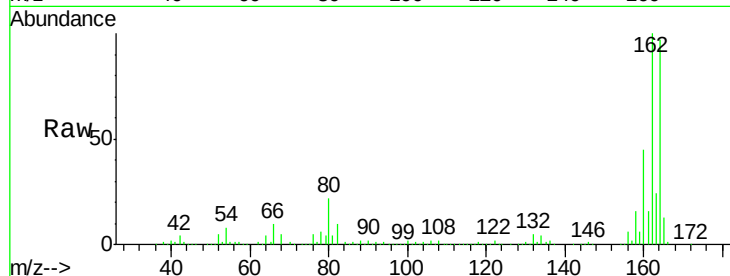
Tgt Ion:164 Resp: 345921

Ion Ratio Lower Upper

164 100

162 103.5 82.8 124.2

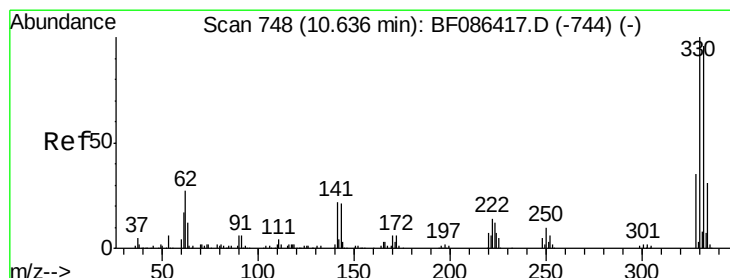
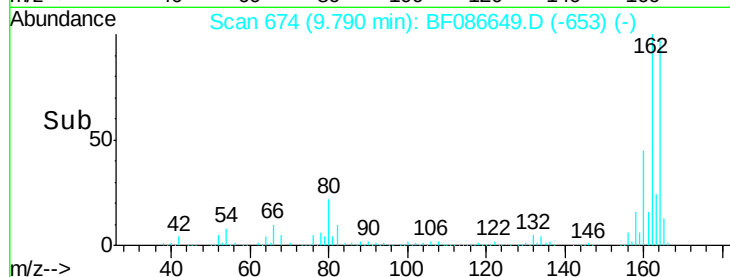
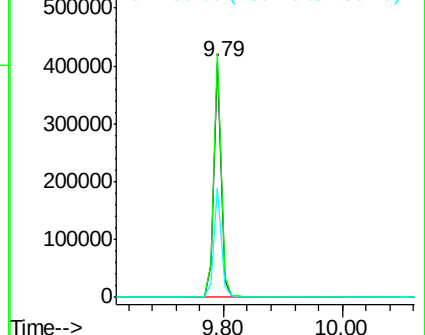
160 46.4 36.9 55.3



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: 79.70 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

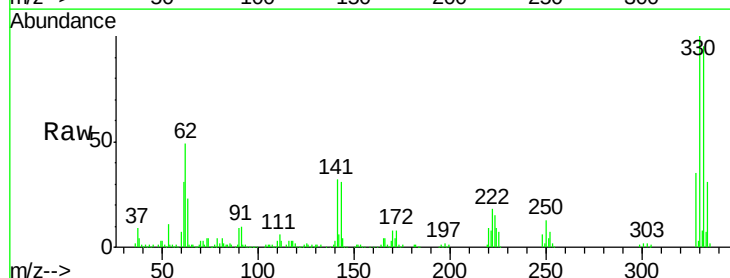
Tgt Ion:330 Resp: 290756

Ion Ratio Lower Upper

330 100

332 95.3 79.0 118.4

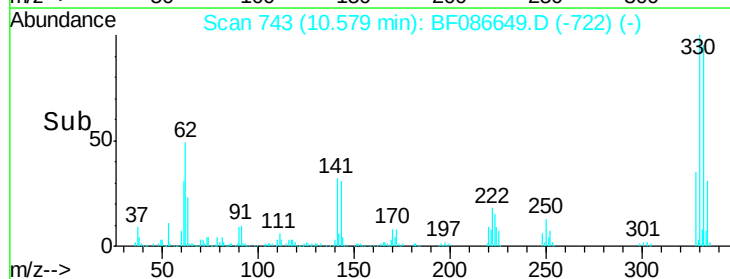
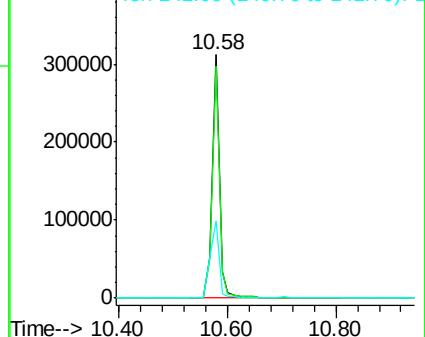
141 38.9 31.2 46.8

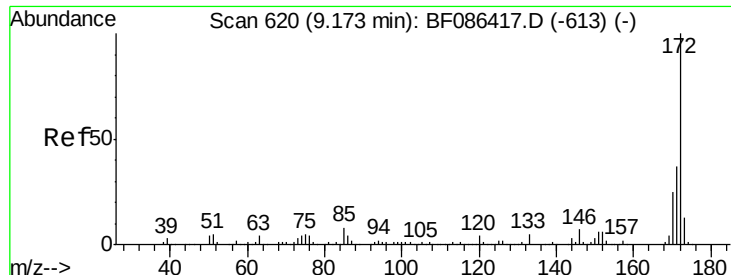


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

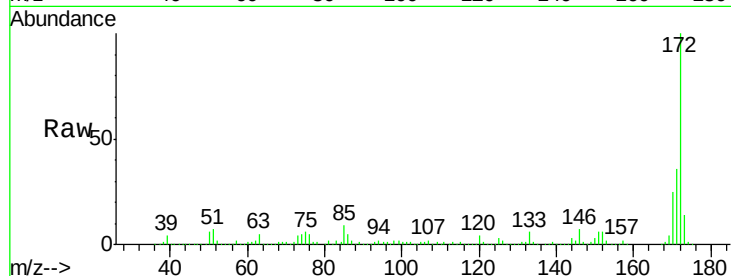




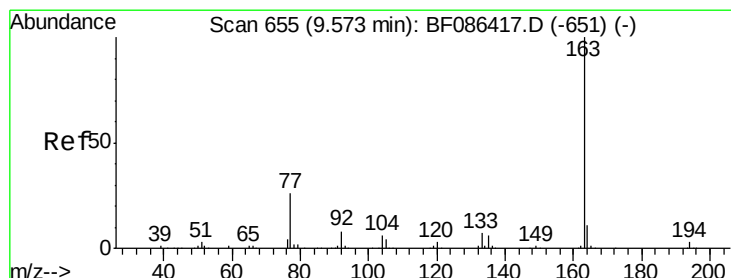
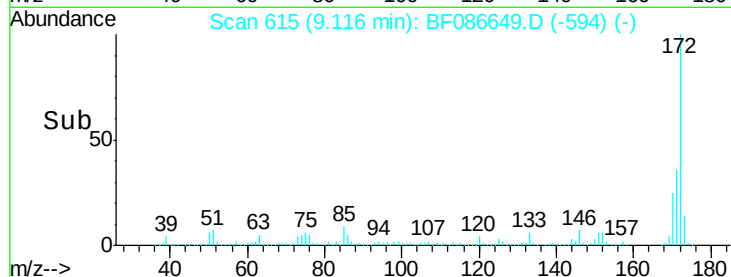
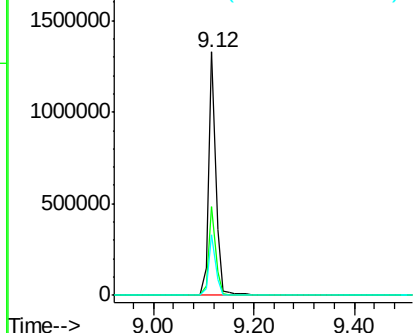
#44
 2-Fluorobiphenyl
 Concen: 63.78 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

Tgt Ion:172 Resp: 1337680
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.8 19.8 29.8

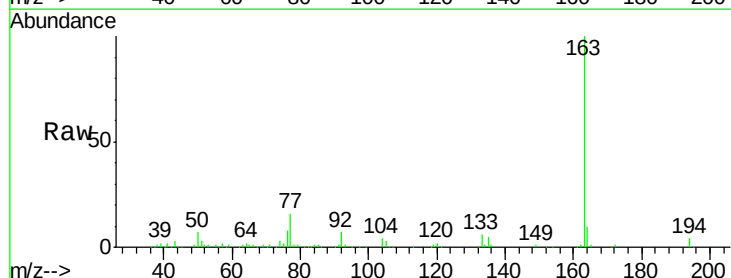


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

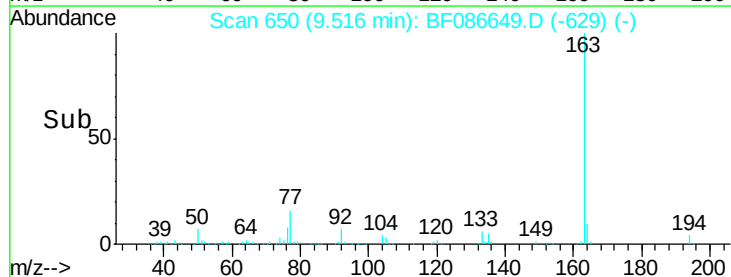
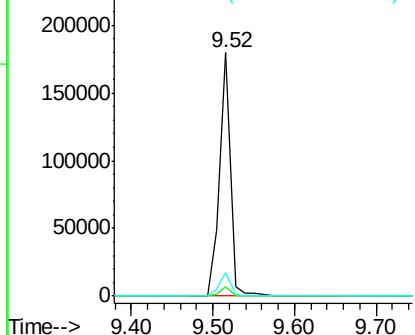


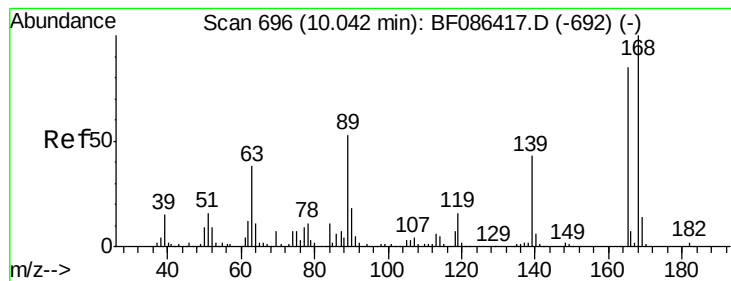
#49
 Dimethylphthalate
 Concen: 6.45 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Tgt Ion:163 Resp: 167953
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.6 4.0
 164 9.6 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

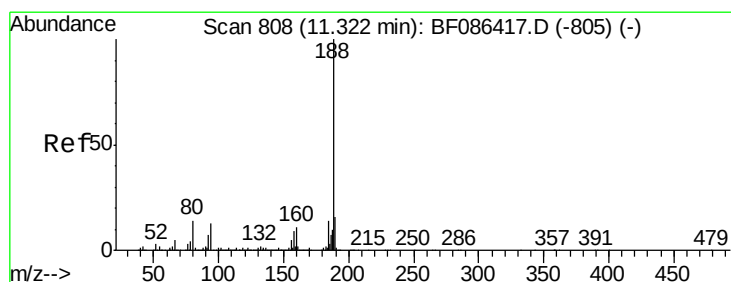
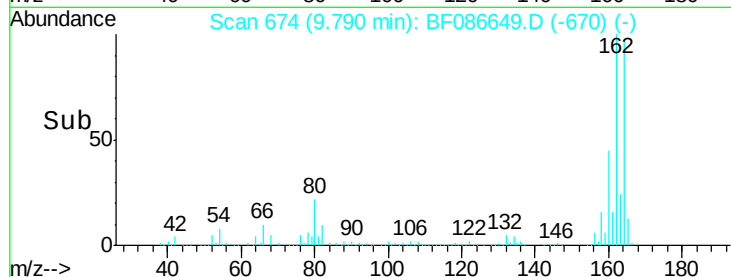
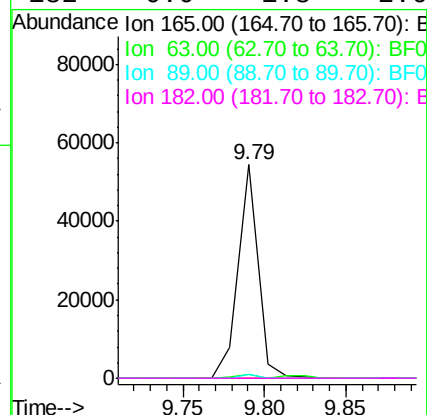
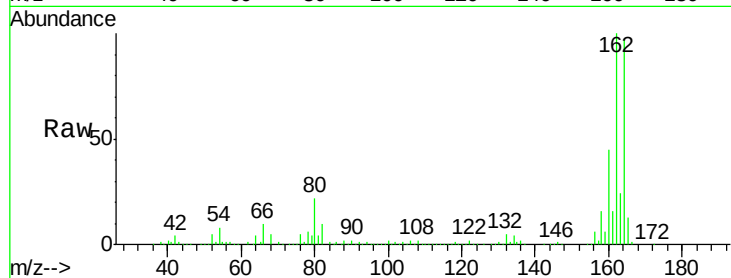




#56
 2,4-Dinitrotoluene
 Concen: 6.66 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.25 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

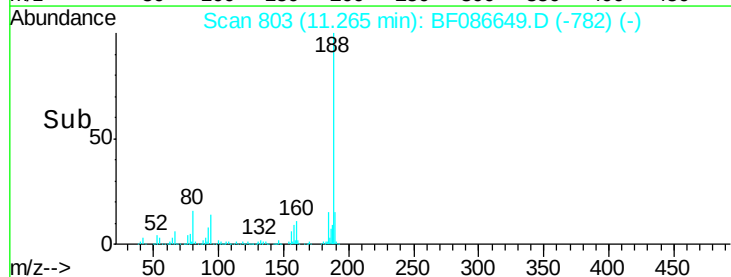
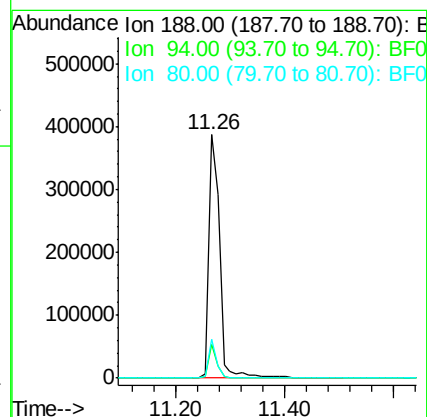
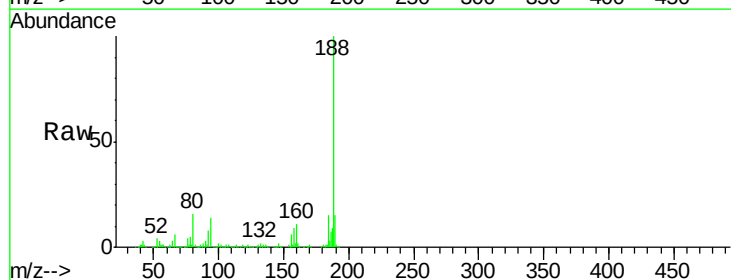
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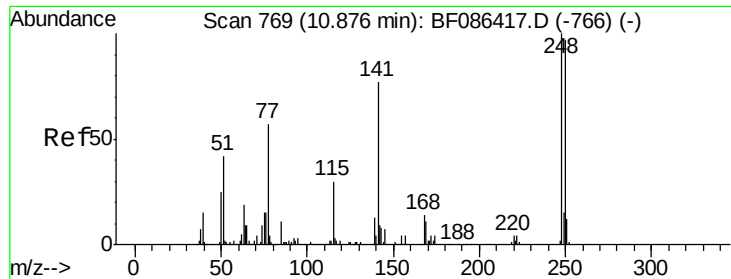
Tgt Ion:	165	Resp:	45649
Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	1.9	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Tgt Ion:	188	Resp:	524960
Ion	Ratio	Lower	Upper
188	100		
94	14.1	6.8	10.2#
80	15.8	7.1	10.7#

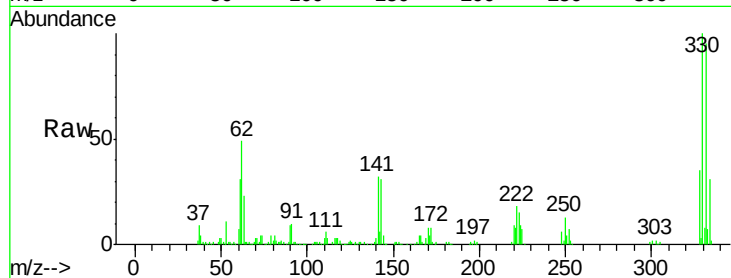




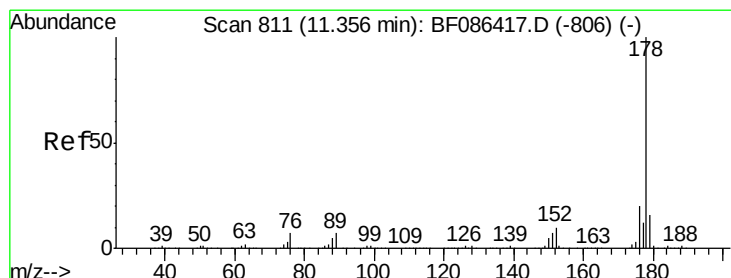
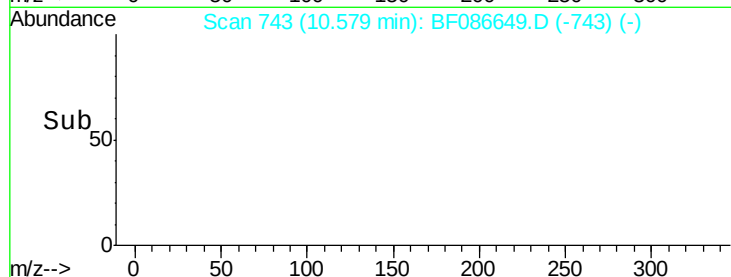
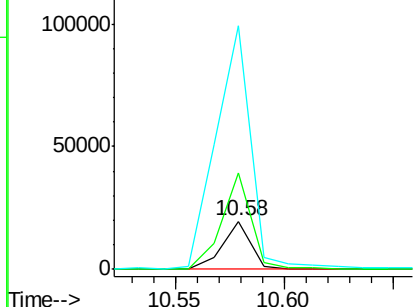
#66
4-Bromophenyl-phenylether
Concen: 3.33 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.30 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Tgt Ion:248 Resp: 18002
Ion Ratio Lower Upper
248 100
250 200.9 78.6 117.8#
141 507.1 76.0 114.0#

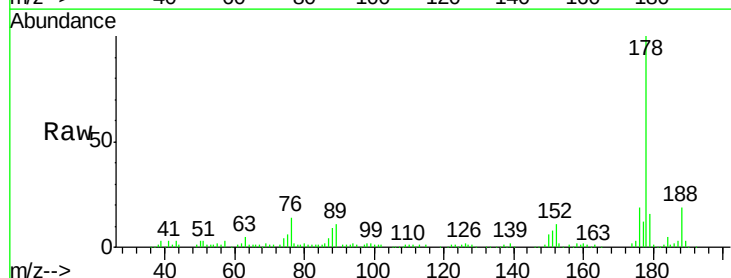


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

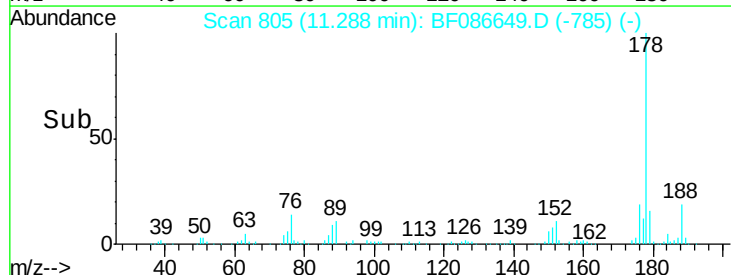
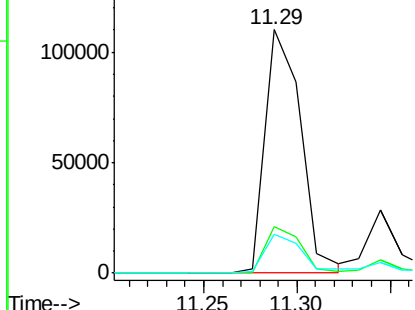


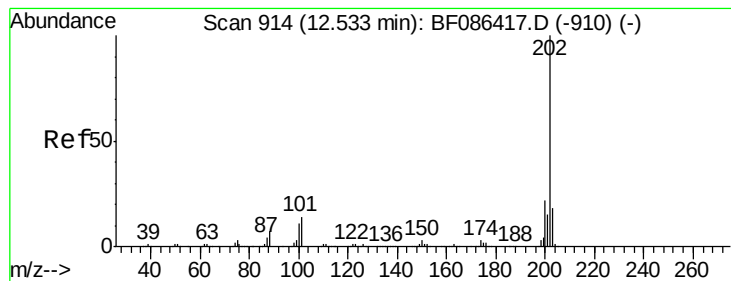
#70
Phenanthrene
Concen: 5.26 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.07 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion:178 Resp: 144947
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 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: 10.38 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

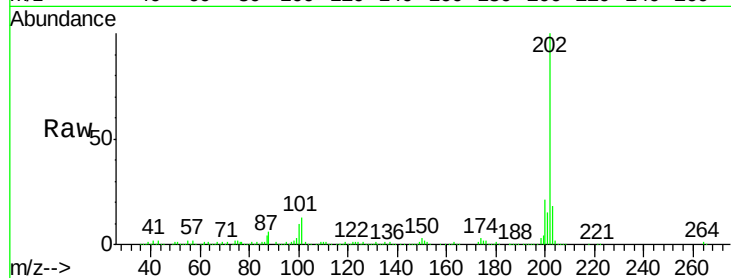
Tgt Ion:202 Resp: 288652

Ion Ratio Lower Upper

202 100

101 13.5 0.0 35.4

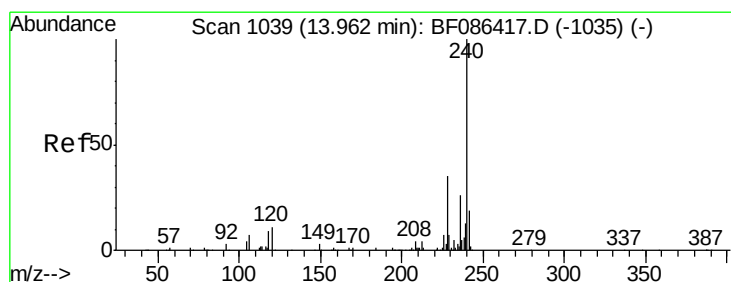
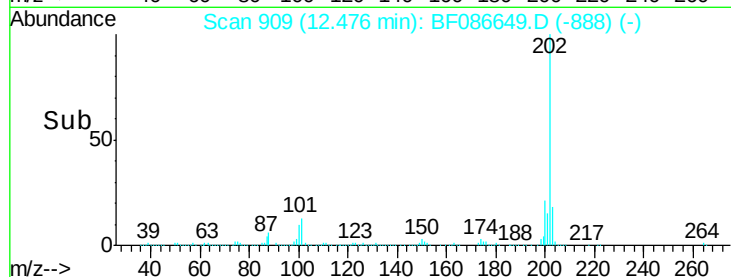
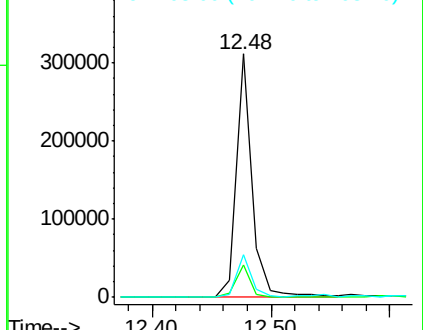
203 17.7 0.0 38.1



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: BF086649.D

Acq: 3 May 2016 17:25

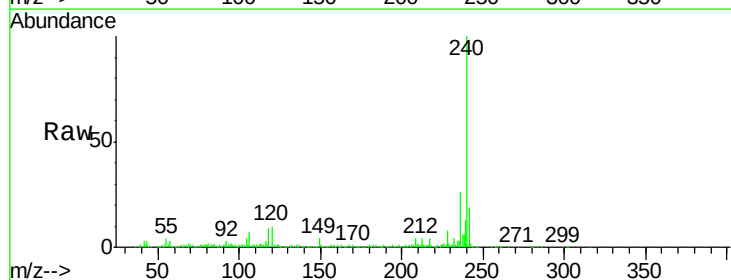
Tgt Ion:240 Resp: 402654

Ion Ratio Lower Upper

240 100

120 9.8 11.2 16.8#

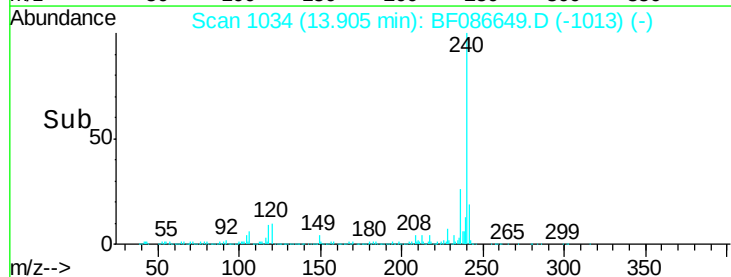
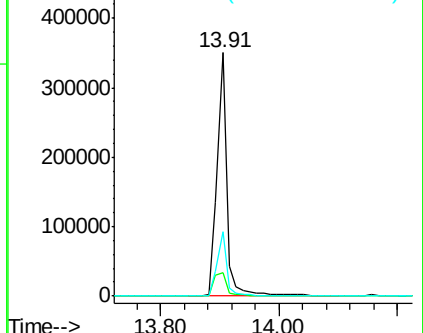
236 26.3 21.2 31.8

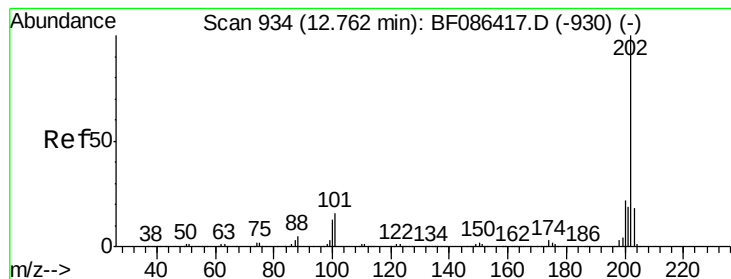


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.10 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

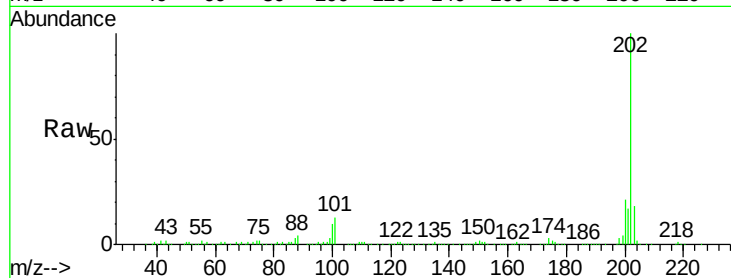
Tgt Ion:202 Resp: 263929

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

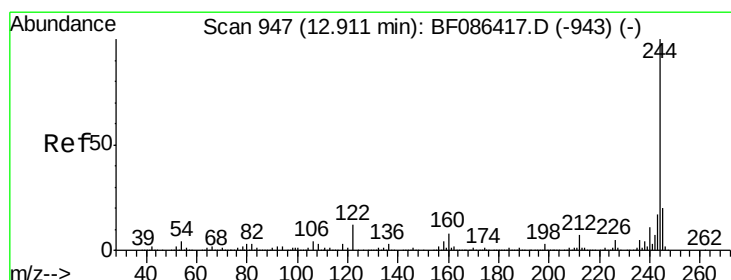
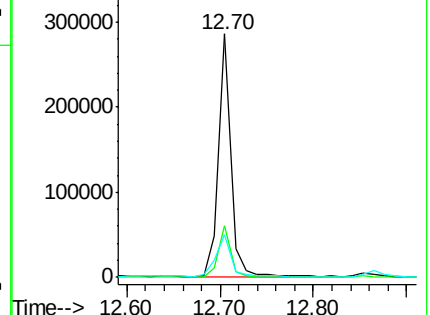
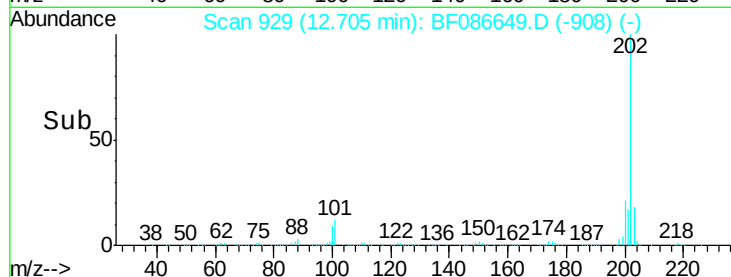
203 17.7 14.2 21.4



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: 51.09 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

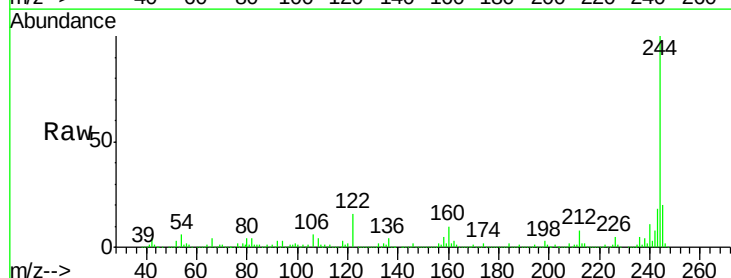
Tgt Ion:244 Resp: 933794

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

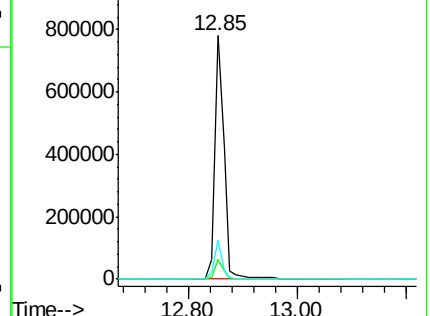
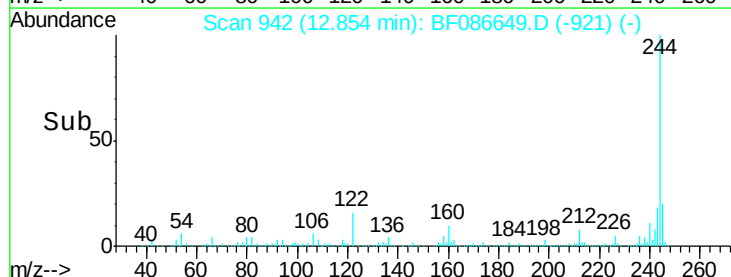
122 15.8 12.0 18.0

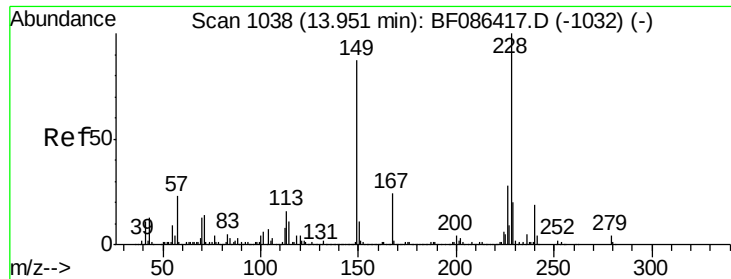


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.37 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)

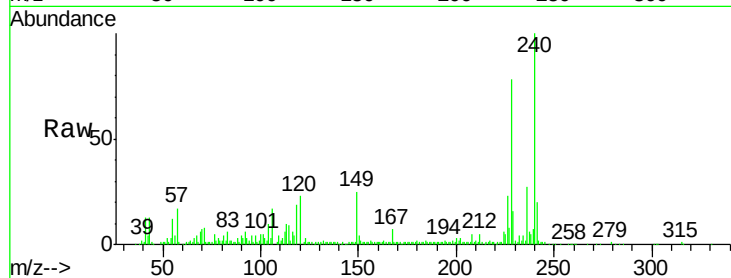
Tgt Ion:228 Resp: 115288

Ion Ratio Lower Upper

228 100

226 29.3 22.5 33.7

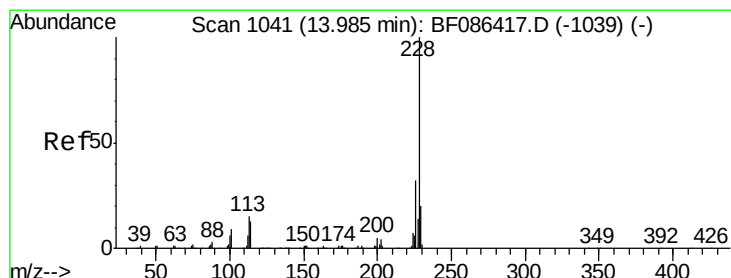
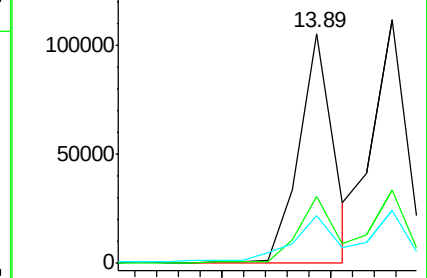
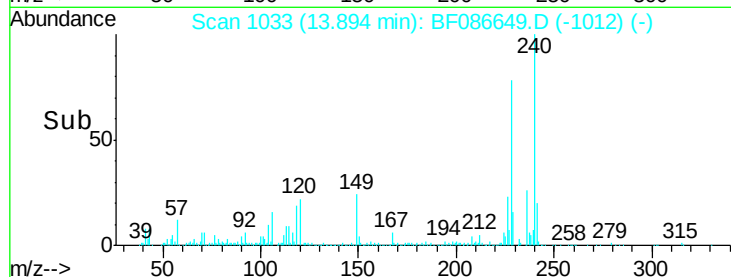
229 20.9 16.6 25.0



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



#82

Chrysene

Concen: 4.93 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.09 min

Lab File: BF086649.D

Acq: 3 May 2016 17:25

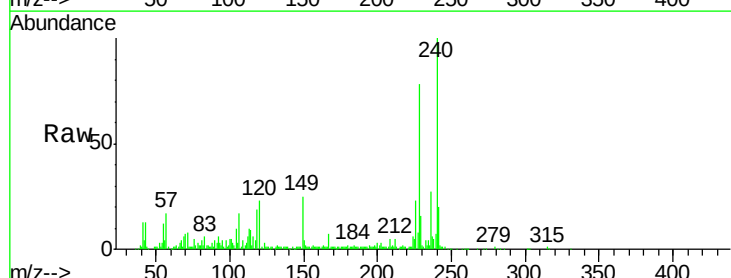
Tgt Ion:228 Resp: 114999

Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

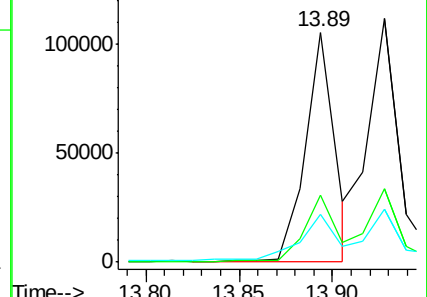
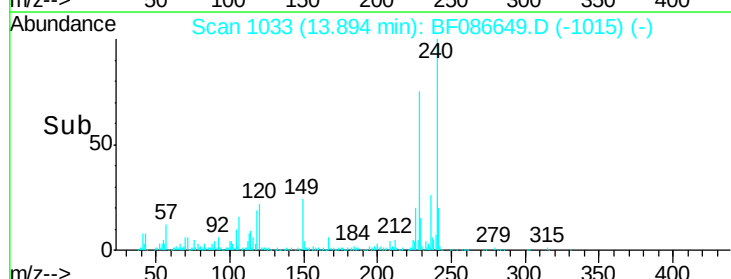
229 20.9 15.8 23.8

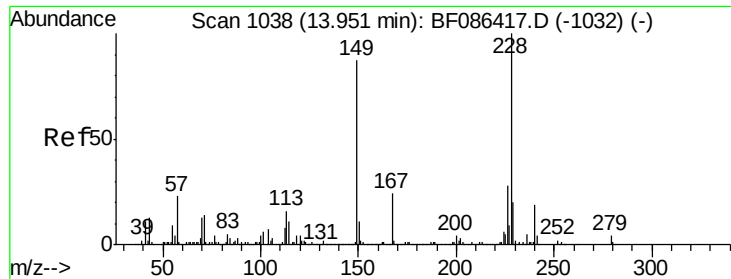


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

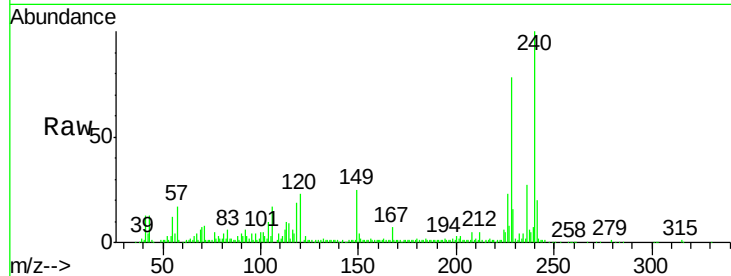




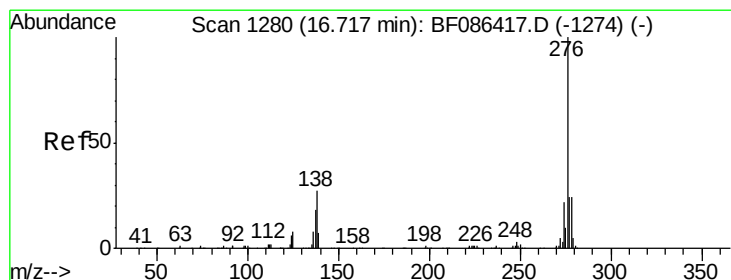
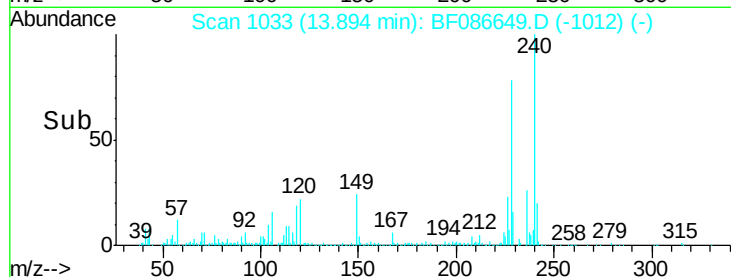
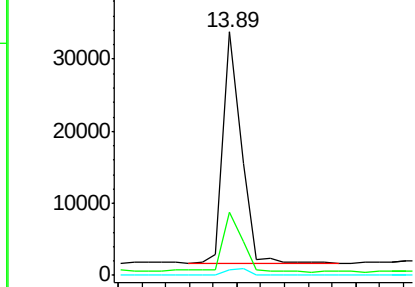
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.15 ng
 RT: 13.89 min Scan# 1033
 Delta R.T. -0.06 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

Tgt Ion:149 Resp: 33474
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.8 32.6
 279 2.2 2.6 4.0#

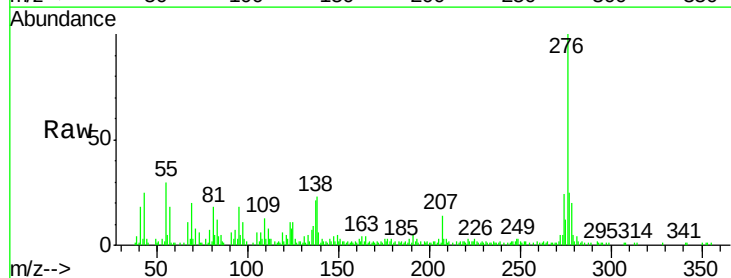


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

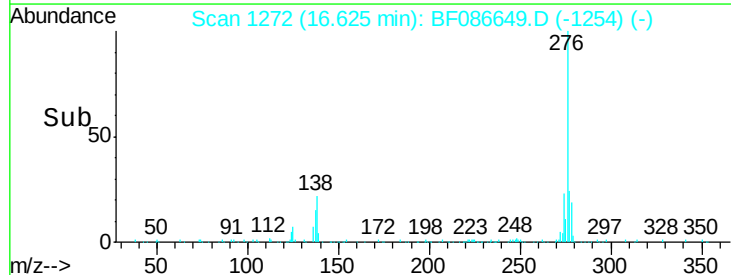
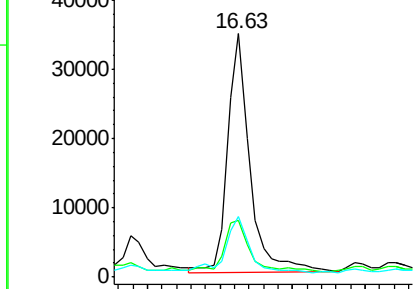


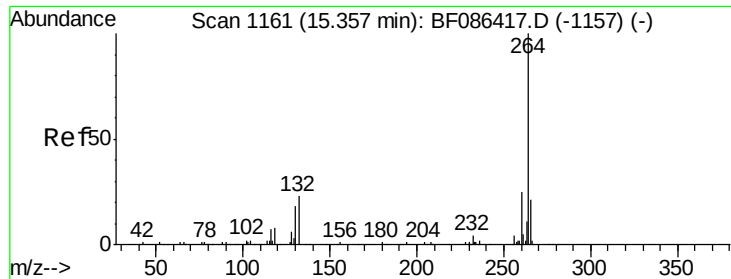
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.29 ng
 RT: 16.63 min Scan# 1272
 Delta R.T. -0.09 min
 Lab File: BF086649.D
 Acq: 3 May 2016 17:25

Tgt Ion:276 Resp: 74207
 Ion Ratio Lower Upper
 276 100
 138 26.1 25.6 38.4
 277 26.4 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

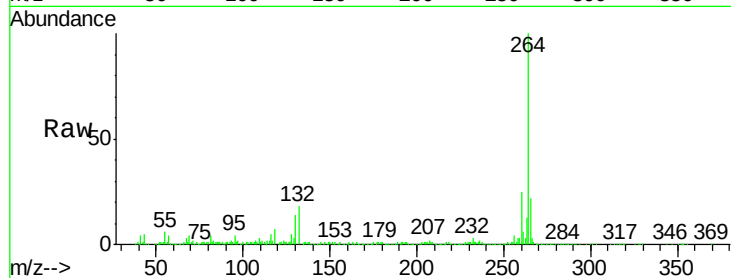




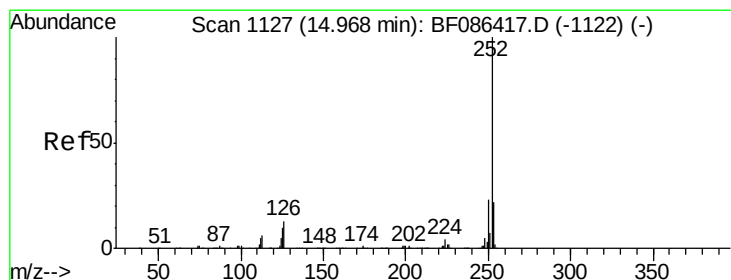
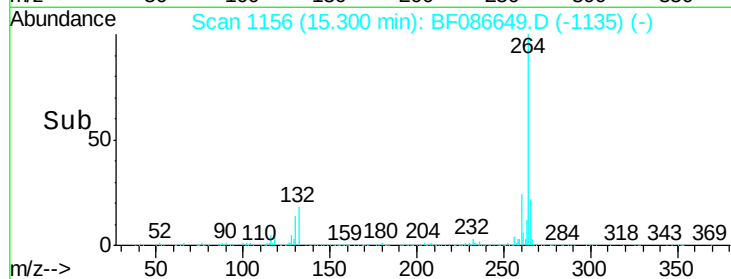
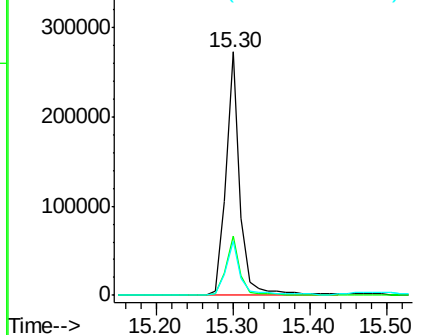
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Tgt Ion:264 Resp: 355151
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.2 17.3 25.9

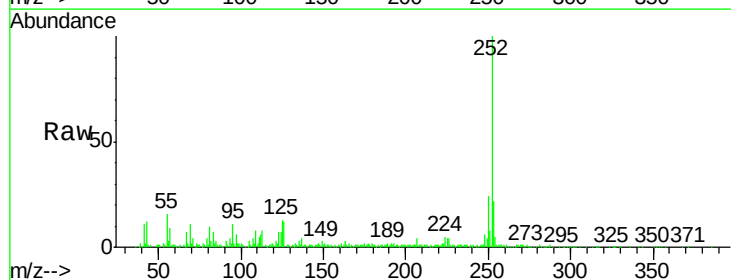


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

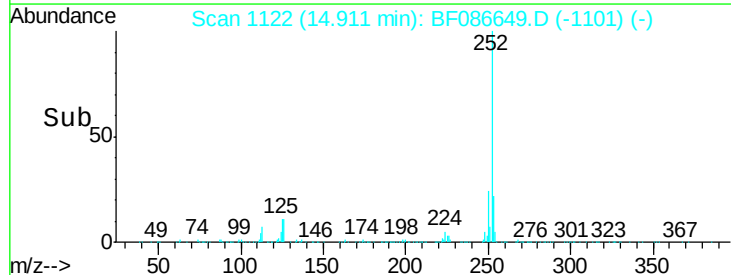
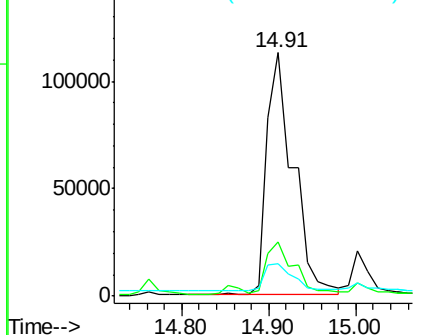


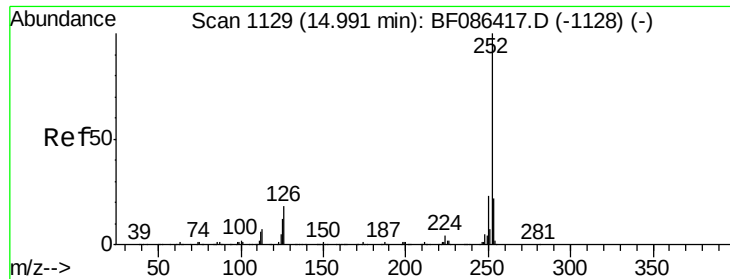
#87
Benzo(b)fluoranthene
Concen: 11.41 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion:252 Resp: 238289
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 13.1 11.4 17.0



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

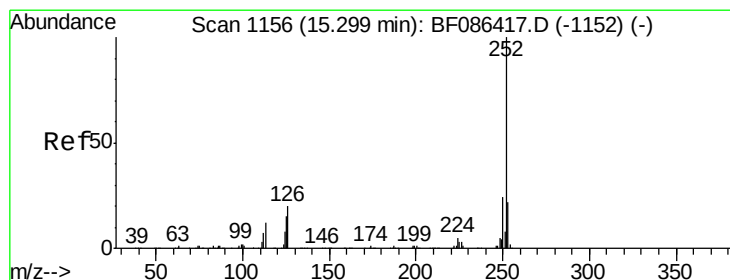
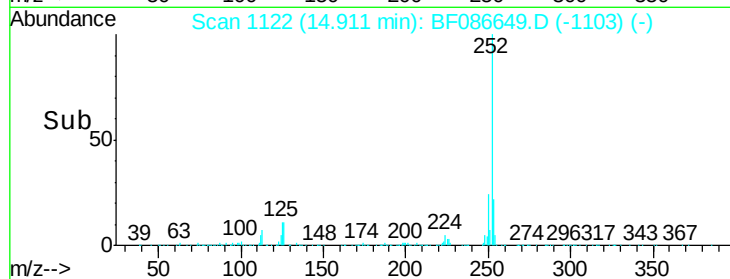
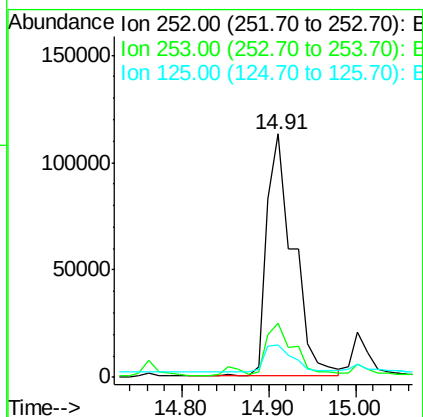
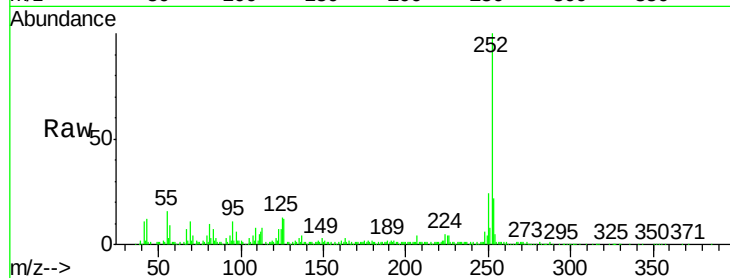




#88
Benzo(k)fluoranthene
Concen: 10.93 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.08 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

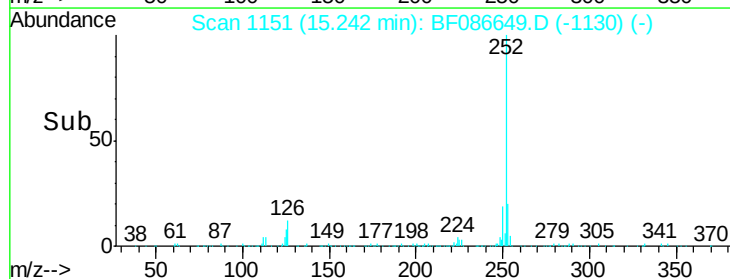
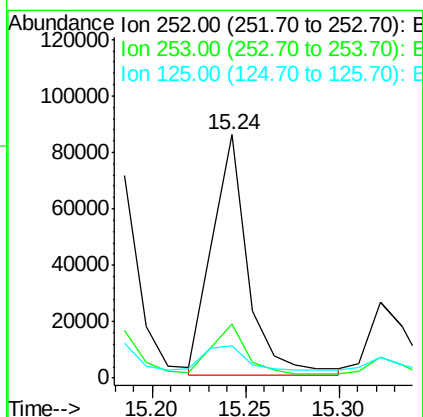
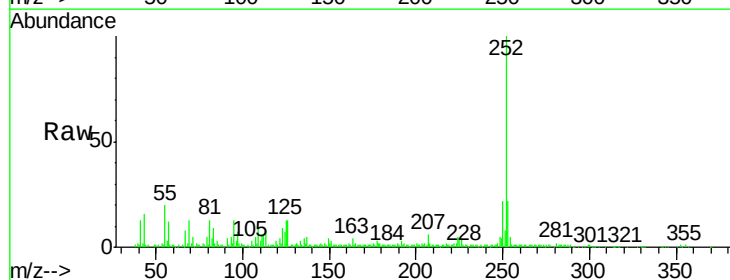
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

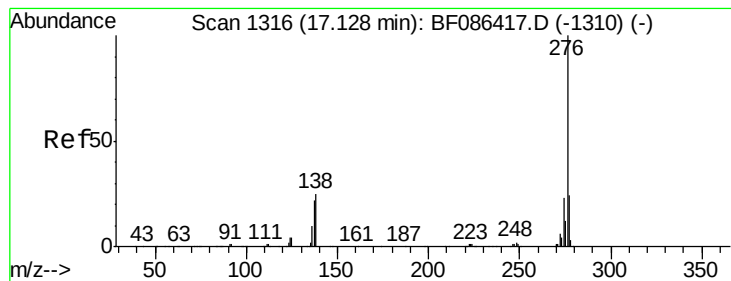
Tgt Ion:252 Resp: 238289
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 13.1 9.1 13.7



#89
Benzo(a)pyrene
Concen: 5.80 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF086649.D
Acq: 3 May 2016 17:25

Tgt Ion:252 Resp: 114390
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 13.2 9.0 13.6





#91

Benzo(g,h,i)perylene

Concen: 4.41 ng

RT: 17.03 min Scan# 1307

Delta R.T. -0.10 min

Lab File: BF086649.D

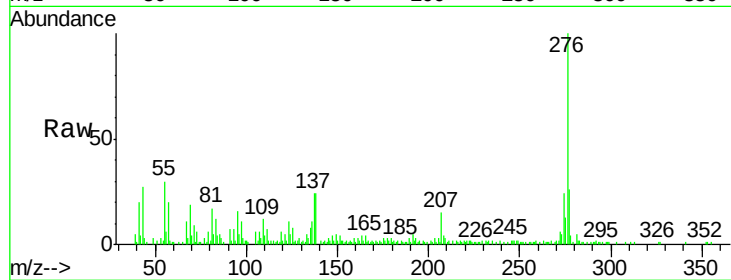
Acq: 3 May 2016 17:25

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-4(0-10FTBGS)



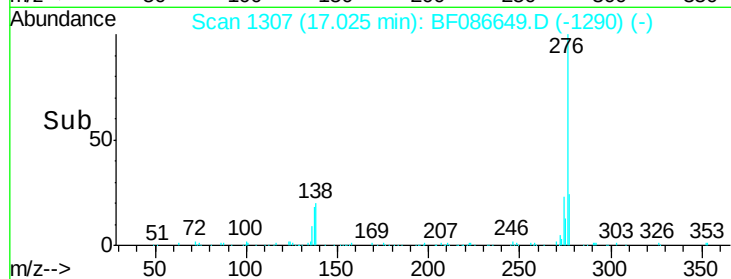
Tgt Ion: 276 Resp: 71377

Ion Ratio Lower Upper

276 100

277 25.5 19.6 29.4

138 23.8 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

