

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
 Data File : BF086648.D
 Acq On : 3 May 2016 16:57
 Operator : UM/SJ
 Sample : H2685-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-6(10-20FTBGS)

Quant Time: May 04 02:30:59 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

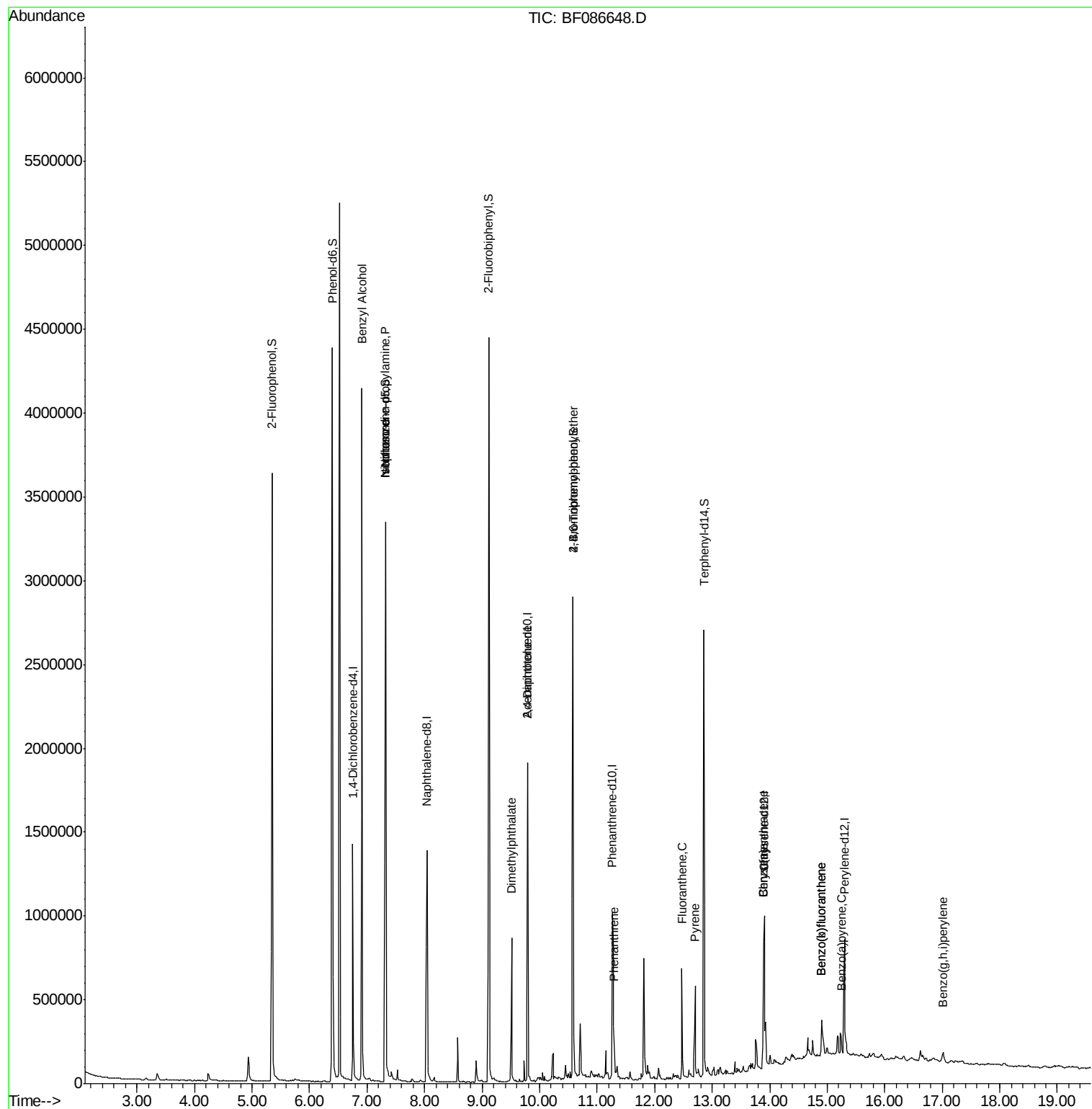
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	193205	20.00	ng	-0.06
21) Naphthalene-d8	8.04	136	775219	20.00	ng	-0.06
38) Acenaphthene-d10	9.79	164	348638	20.00	ng	-0.06
63) Phenanthrene-d10	11.26	188	537048	20.00	ng	-0.06
75) Chrysene-d12	13.91	240	387938	20.00	ng	-0.06
86) Perylene-d12	15.30	264	373206	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1324241	118.22	ng	-0.04
7) Phenol-d6	6.40	99	1587403	101.54	ng	-0.05
23) Nitrobenzene-d5	7.32	82	1169542	81.32	ng	-0.06
41) 2,4,6-Tribromophenol	10.58	330	323703	88.04	ng	-0.06
44) 2-Fluorobiphenyl	9.12	172	1418108	67.94	ng	-0.06
78) Terphenyl-d14	12.85	244	908496	51.59	ng	-0.06
Target Compounds						Qvalue
15) Benzyl Alcohol	6.91	79	20959	2.12	ng	# 38
19) n-Nitroso-di-n-propylamine	7.32	70	162449	15.72	ng	# 75
25) Isophorone	7.32	82	834554	30.15	ng	# 68
49) Dimethylphthalate	9.52	163	358523	13.66	ng	99
56) 2,4-Dinitrotoluene	9.79	165	44792	6.48	ng	# 16
66) 4-Bromophenyl-phenylether	10.58	248	21609	3.90	ng	# 1
70) Phenanthrene	11.29	178	121536	4.31	ng	99
74) Fluoranthene	12.48	202	259066	9.11	ng	96
77) Pyrene	12.71	202	234292	8.38	ng	99
80) Benzo(a)anthracene	13.89	228	129840	6.28	ng	99
82) Chrysene	13.89	228	129872	5.78	ng	97
87) Benzo(b)fluoranthene	14.90	252	174565	7.95	ng	98
88) Benzo(k)fluoranthene	14.90	252	174565	7.62	ng	# 95
89) Benzo(a)pyrene	15.24	252	87652	4.23	ng	97
91) Benzo(g,h,i)perylene	17.01	276	42076	2.48	ng	94

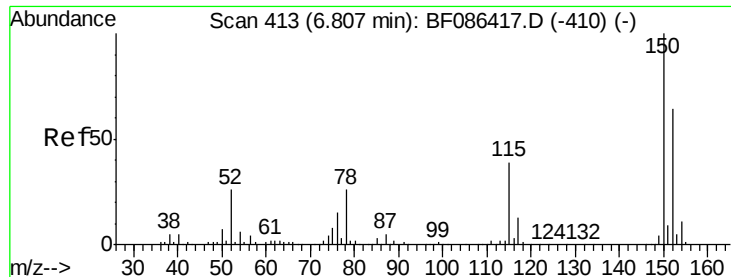
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-6(10-20FTBGS)

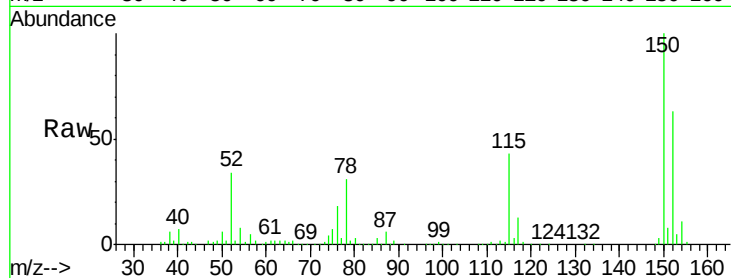
Tgt Ion:152 Resp: 193205

Ion Ratio Lower Upper

152 100

150 157.9 125.8 188.6

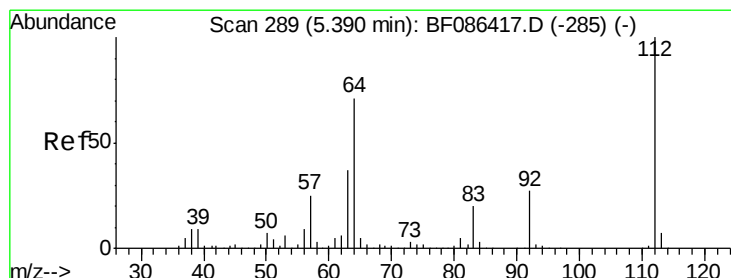
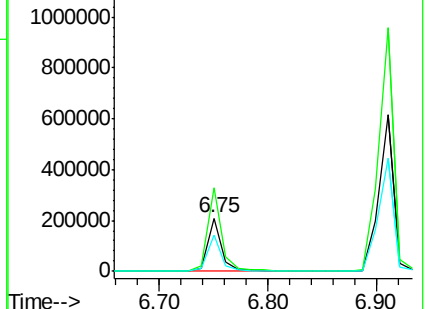
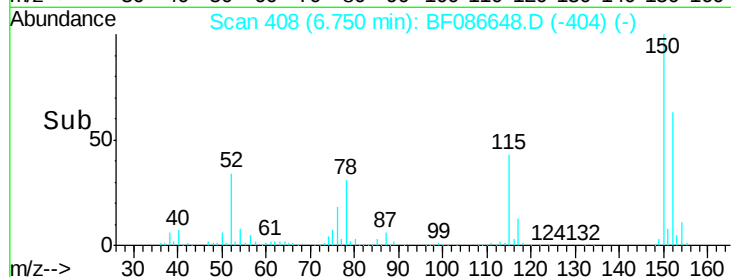
115 68.3 51.5 77.3



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: 118.22 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.04 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

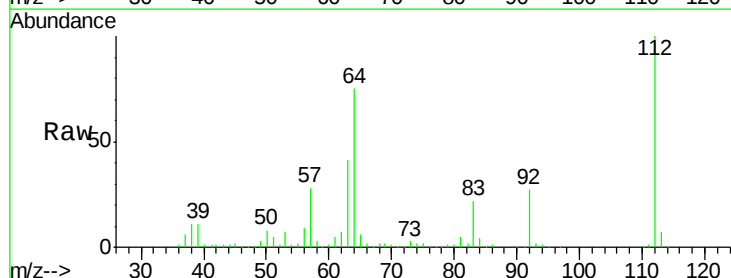
Tgt Ion:112 Resp: 1324241

Ion Ratio Lower Upper

112 100

64 75.3 52.1 78.1

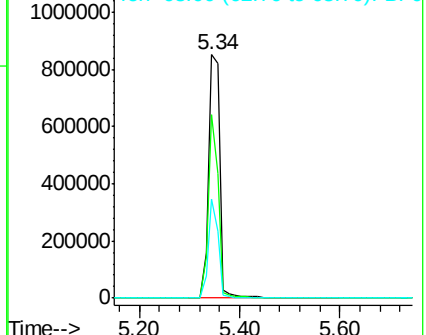
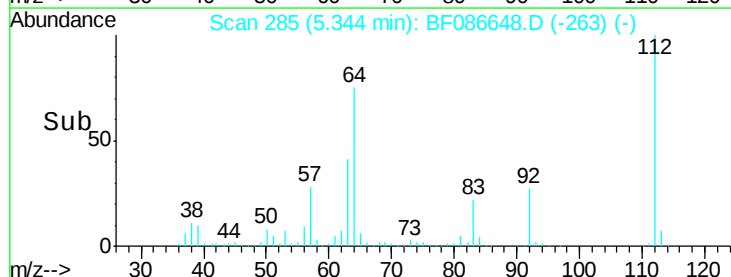
63 40.7 25.7 38.5

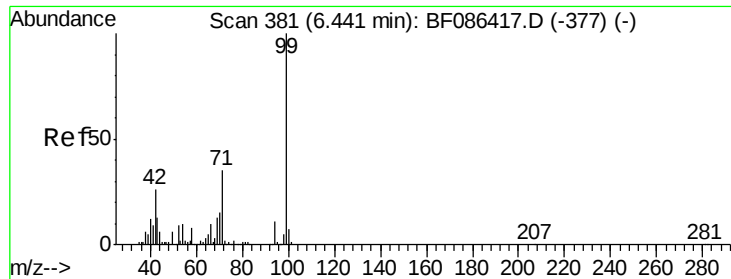


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.54 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

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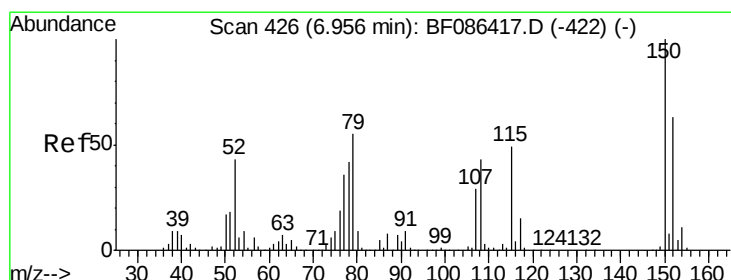
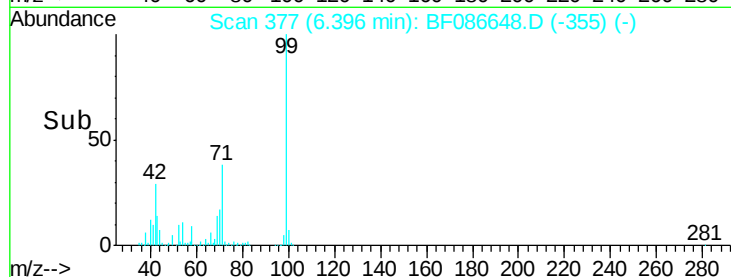
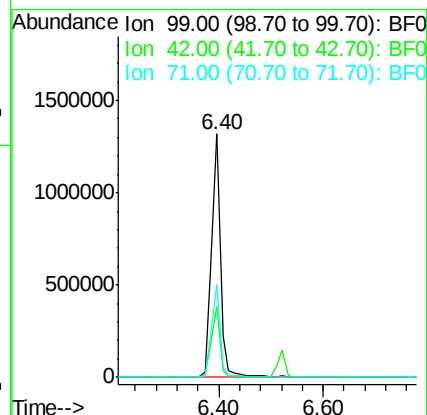
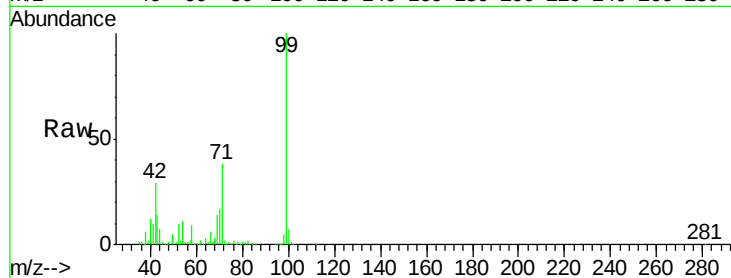
Tgt Ion: 99 Resp: 1587403

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

71 38.2 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

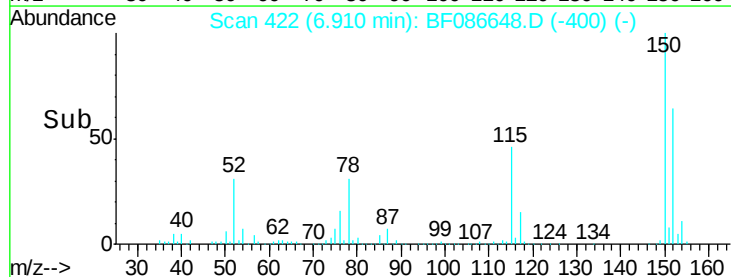
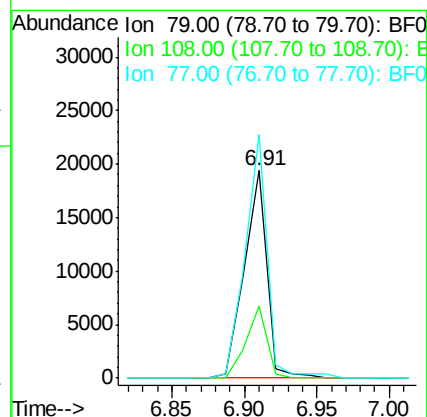
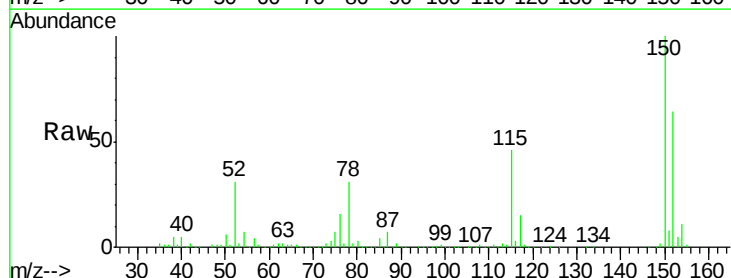
Tgt Ion: 79 Resp: 20959

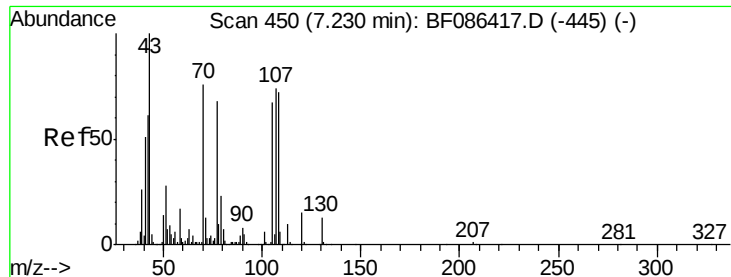
Ion Ratio Lower Upper

79 100

108 34.5 68.4 102.6#

77 117.3 50.6 76.0#

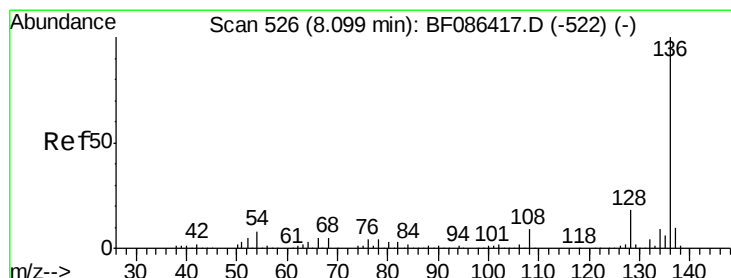
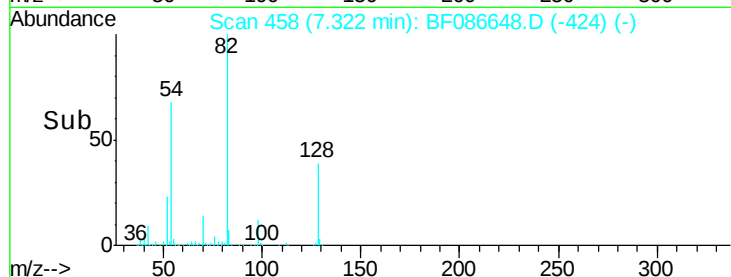
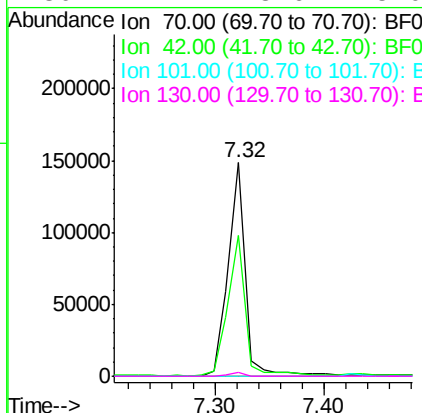
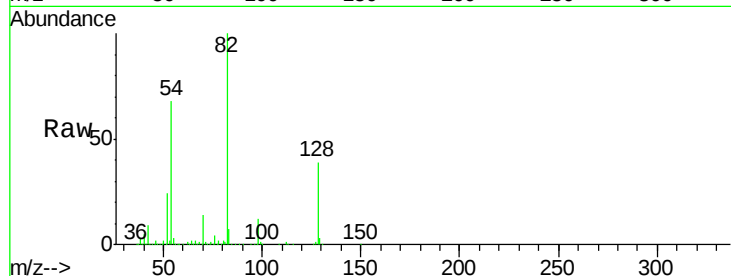




#19
n-Nitroso-di-n-propylamine
Concen: 15.72 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.09 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

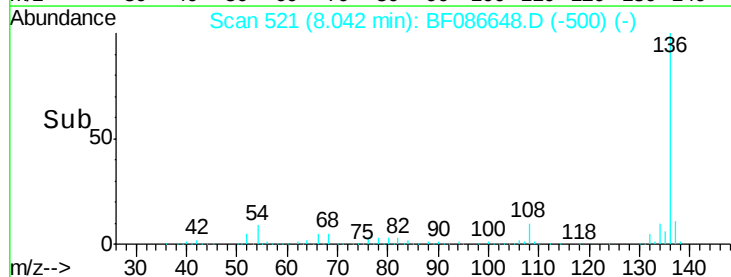
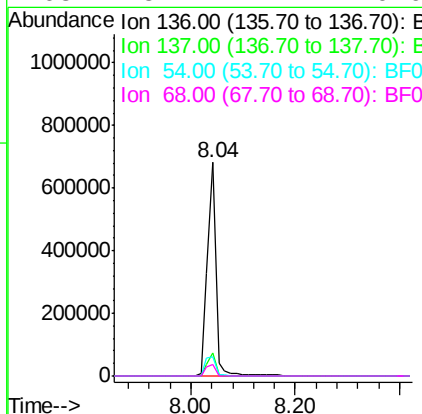
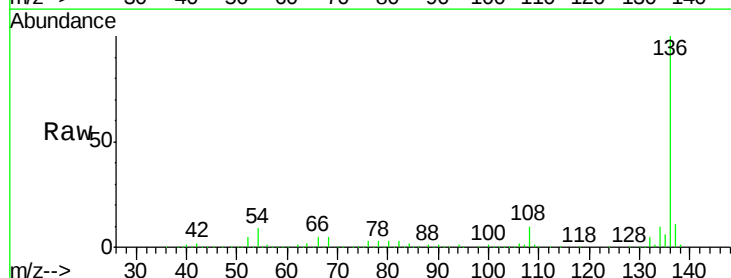
Instrument :
BNA_F
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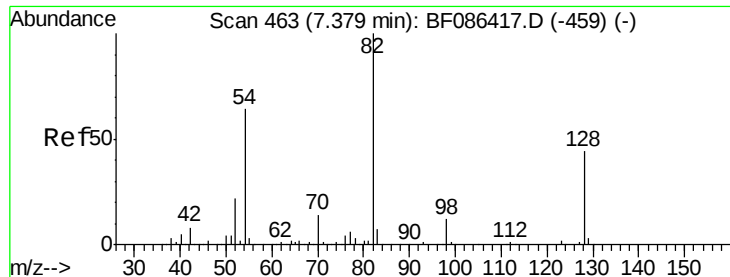
Tgt Ion: 70 Resp: 162449
Ion Ratio Lower Upper
70 100
42 66.0 43.1 64.7#
101 0.0 8.1 12.1#
130 1.7 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.06 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

Tgt Ion: 136 Resp: 775219
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.8 5.0 7.4#
68 5.2 4.4 6.6

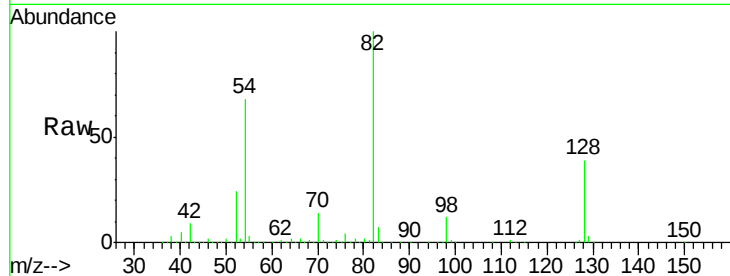




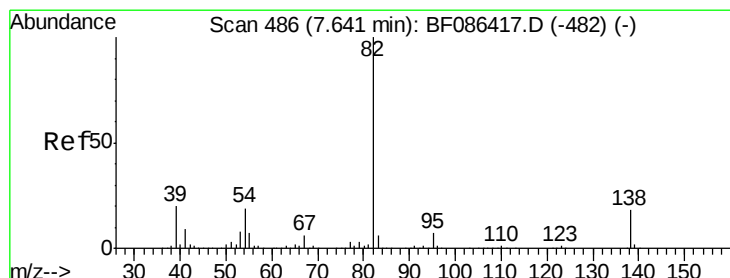
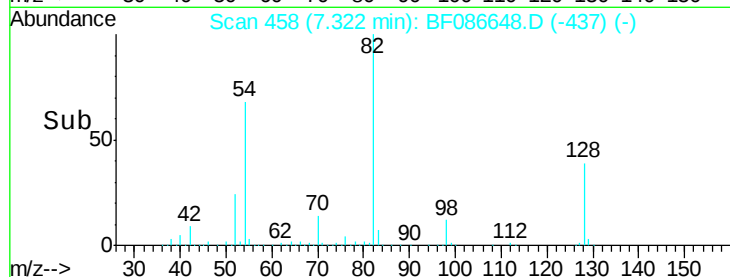
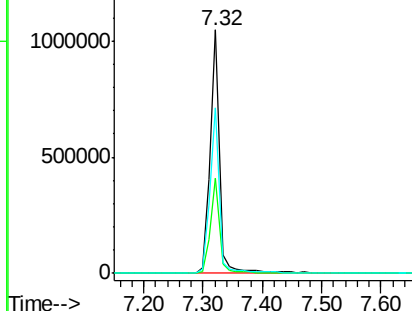
#23
 Nitrobenzene-d5
 Concen: 81.32 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.06 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-6(10-20FTBGS)

Tgt Ion: 82 Resp: 1169542
 Ion Ratio Lower Upper
 82 100
 128 39.3 40.6 61.0#
 54 68.2 38.1 57.1#

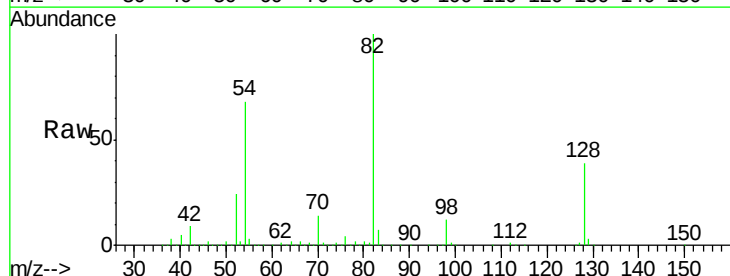


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

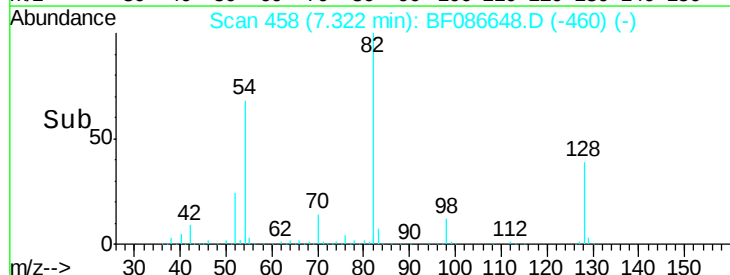
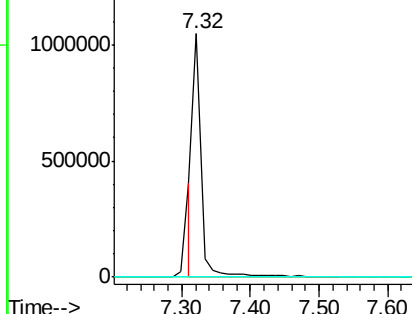


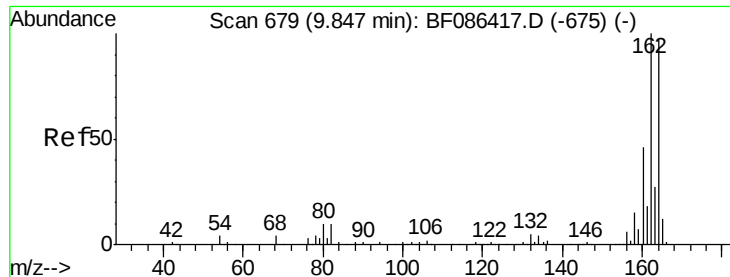
#25
 Isophorone
 Concen: 30.15 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.32 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Tgt Ion: 82 Resp: 834554
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#



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: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.06 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-6(10-20FTBGS)

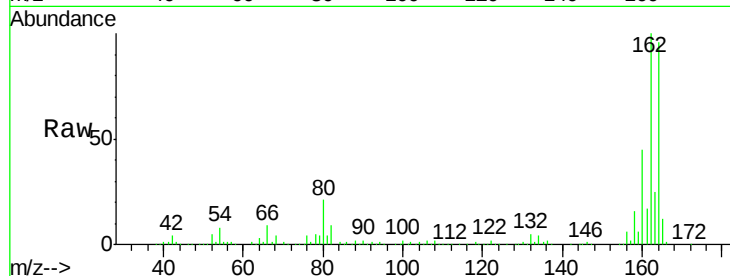
Tgt Ion:164 Resp: 348638

Ion Ratio Lower Upper

164 100

162 104.1 82.8 124.2

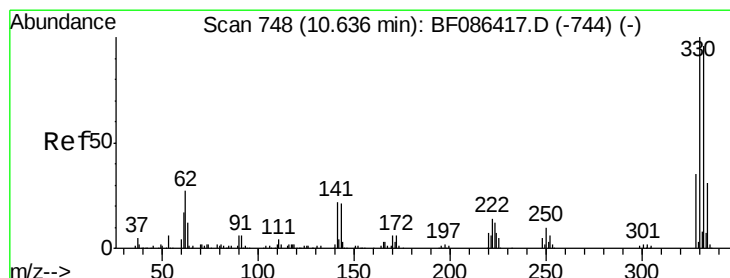
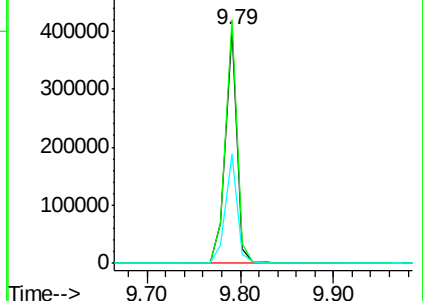
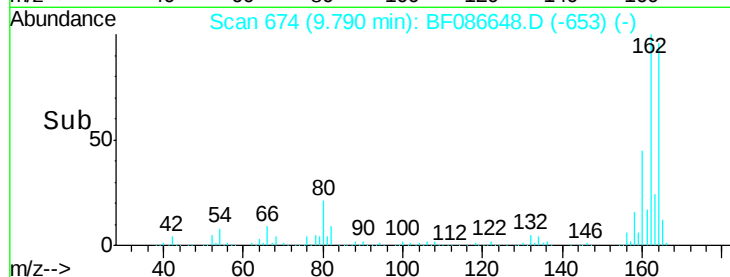
160 46.7 36.9 55.3



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: 88.04 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

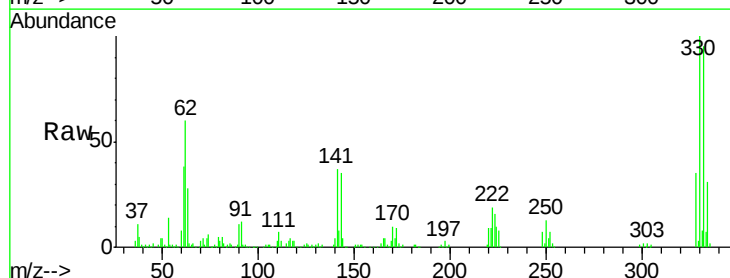
Tgt Ion:330 Resp: 323703

Ion Ratio Lower Upper

330 100

332 96.0 79.0 118.4

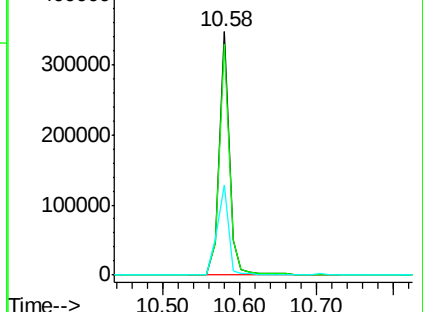
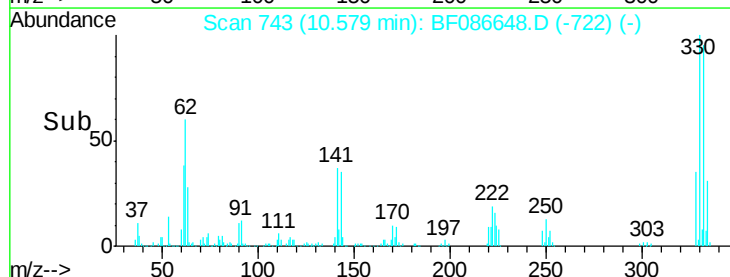
141 41.6 31.2 46.8

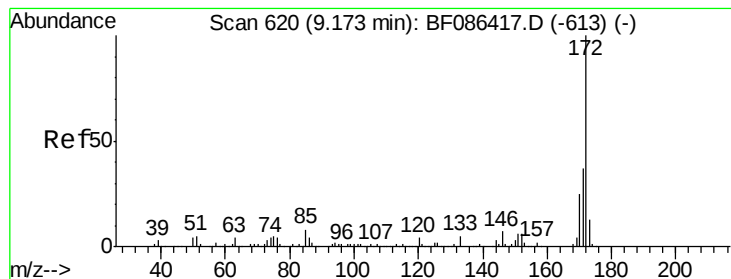


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

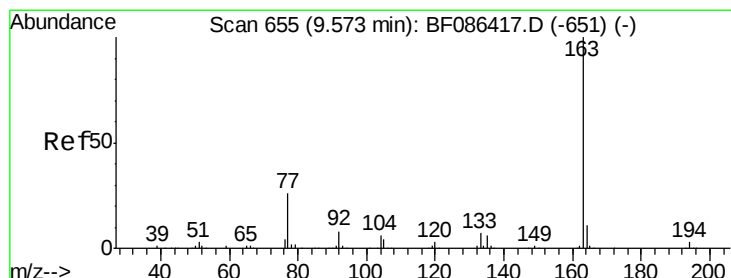
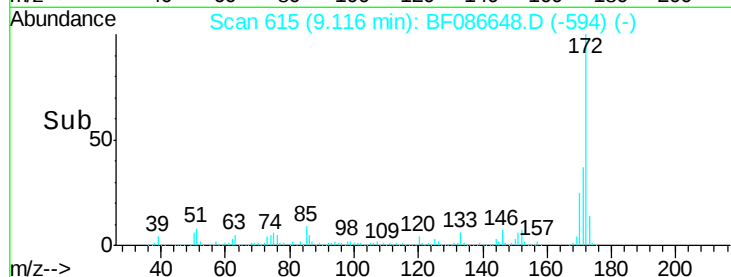
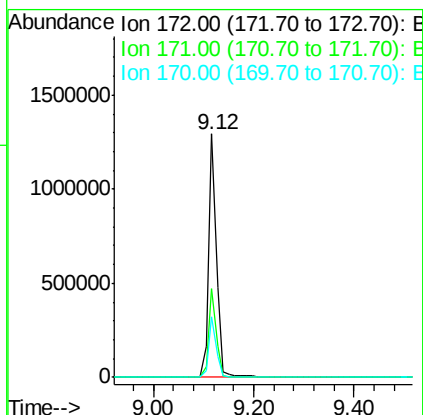
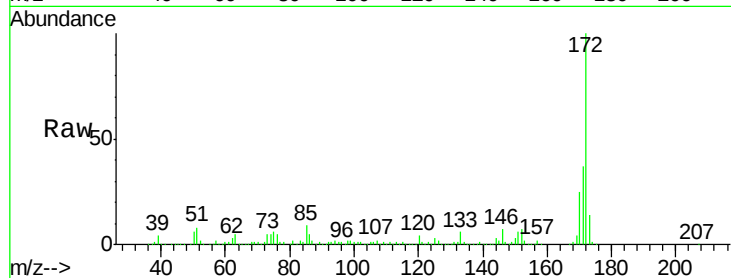




#44
 2-Fluorobiphenyl
 Concen: 67.94 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.06 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

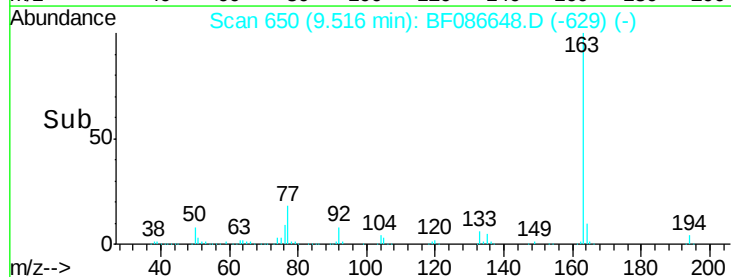
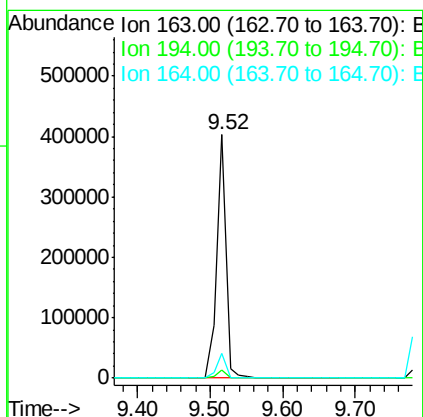
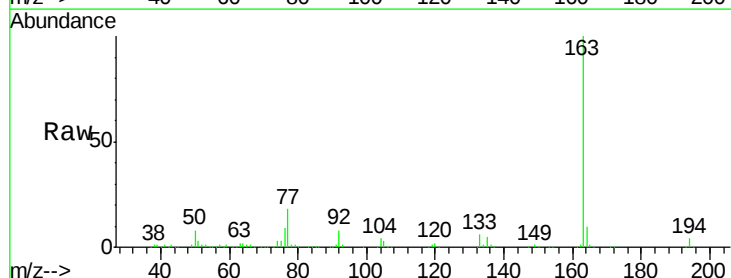
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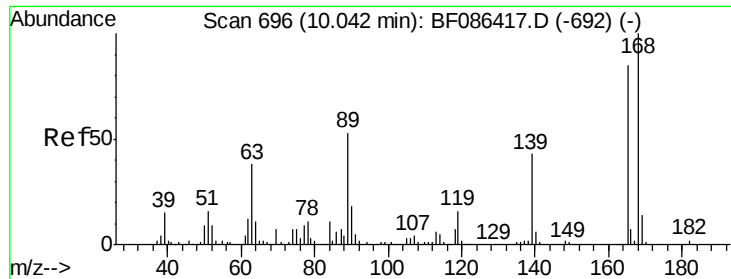
Tgt Ion:172 Resp: 1418108
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 24.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 13.66 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Tgt Ion:163 Resp: 358523
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 10.0 8.2 12.4

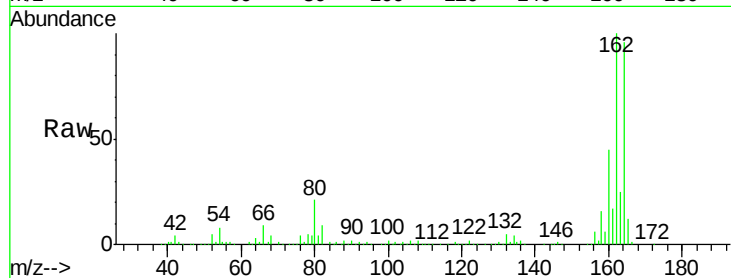




#56
 2,4-Dinitrotoluene
 Concen: 6.48 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.25 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-6(10-20FTBGS)

Tgt Ion:	165	Resp:	44792
Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.3	66.5#
89	1.7	70.0	105.0#
182	0.0	1.8	2.6#

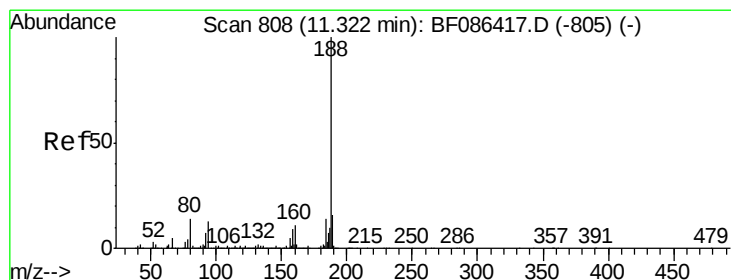
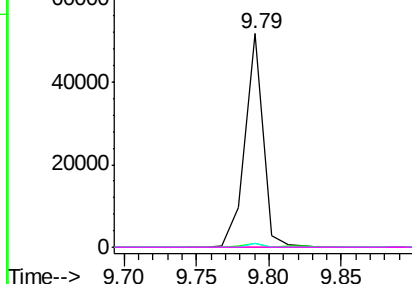
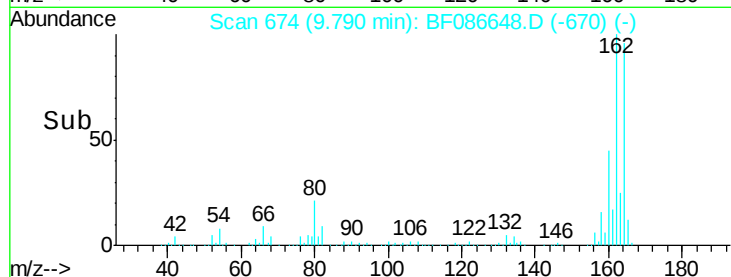


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

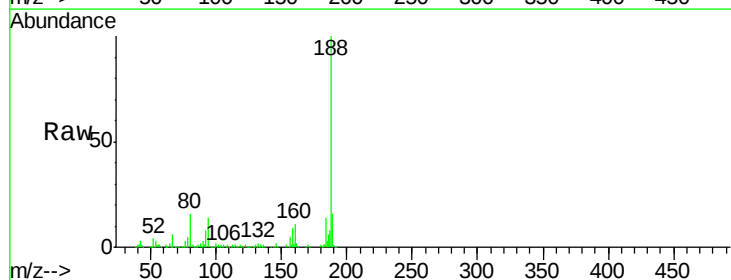
Ion 89.00 (88.70 to 89.70): BF0

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: BF086648.D
 Acq: 3 May 2016 16:57

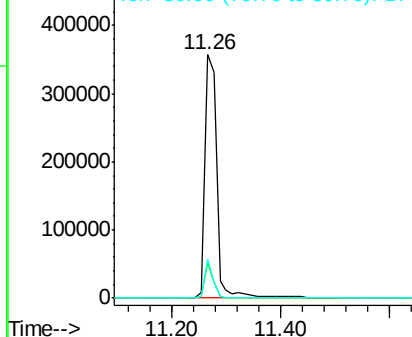
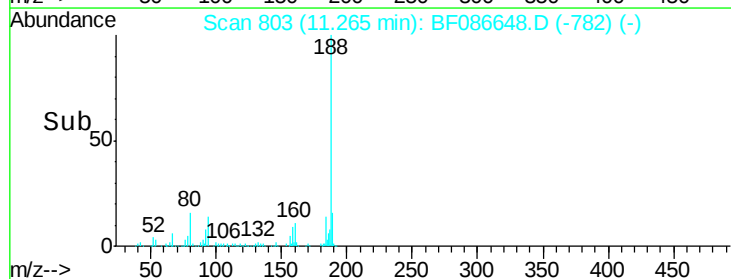
Tgt Ion:	188	Resp:	537048
Ion	Ratio	Lower	Upper
188	100		
94	14.2	6.8	10.2#
80	16.2	7.1	10.7#

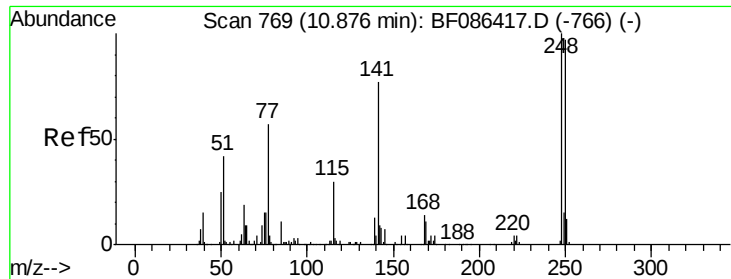


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

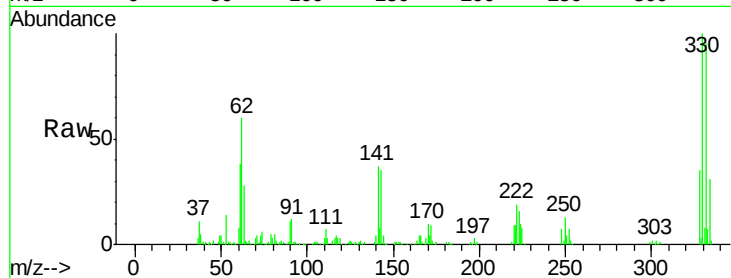




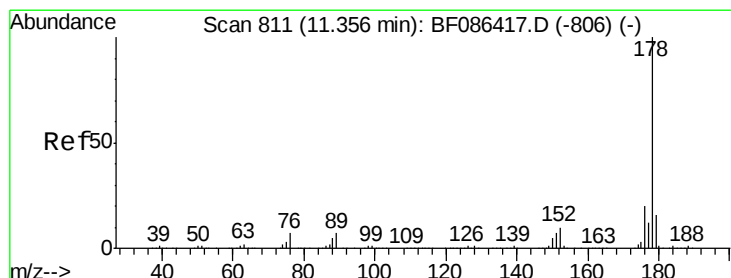
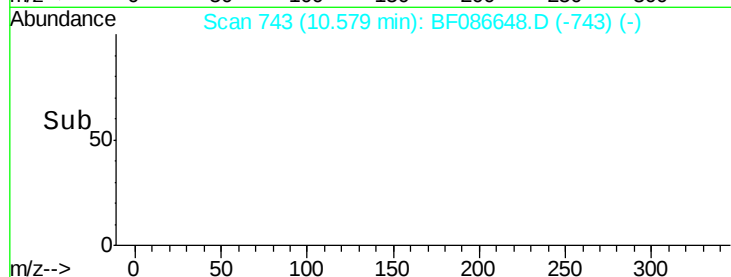
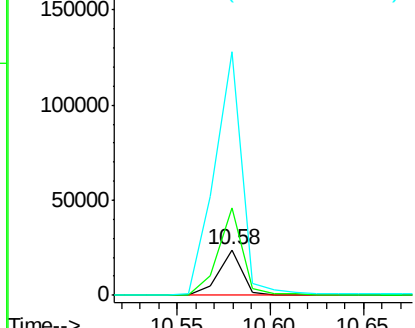
#66
 4-Bromophenyl-phenylether
 Concen: 3.90 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.30 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-6(10-20FTBGS)

Tgt Ion:248 Resp: 21609
 Ion Ratio Lower Upper
 248 100
 250 193.2 78.6 117.8#
 141 537.0 76.0 114.0#

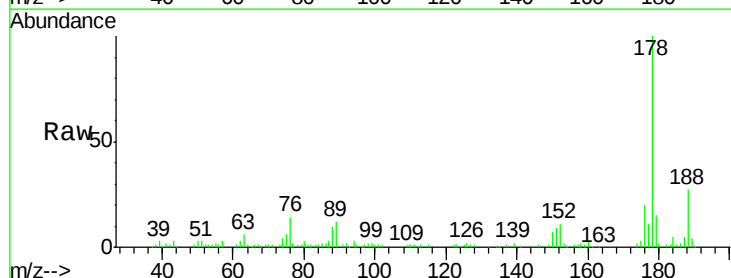


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

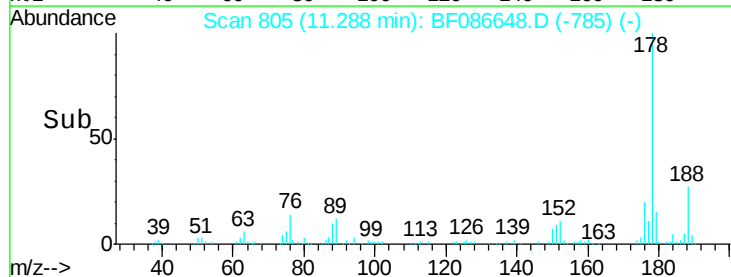
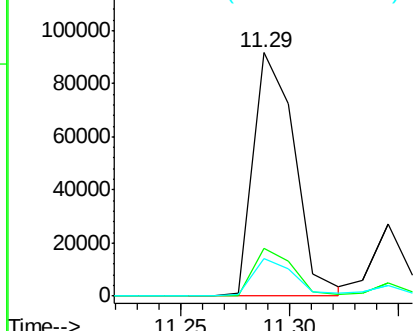


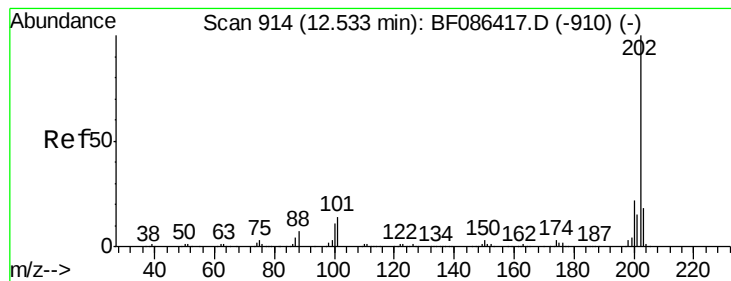
#70
 Phenanthrene
 Concen: 4.31 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.07 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Tgt Ion:178 Resp: 121536
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.0 24.0
 179 15.3 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: 9.11 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.06 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-6(10-20FTBGS)

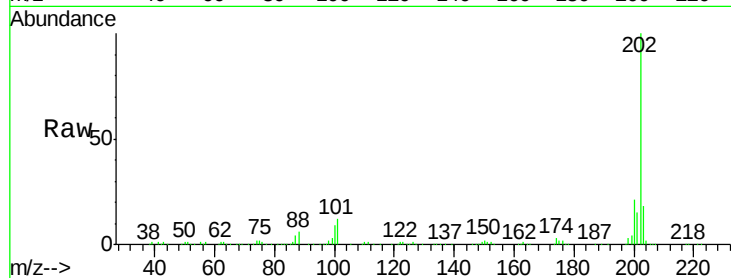
Tgt Ion:202 Resp: 259066

Ion Ratio Lower Upper

202 100

101 12.1 0.0 35.4

203 17.5 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

300000

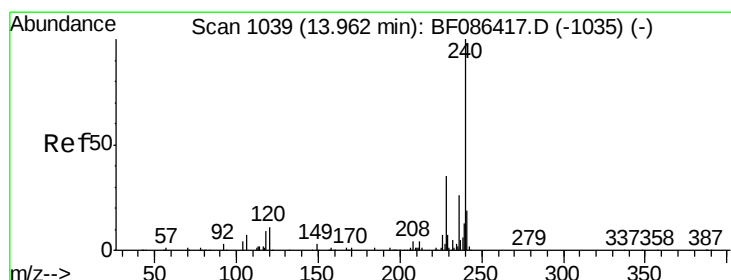
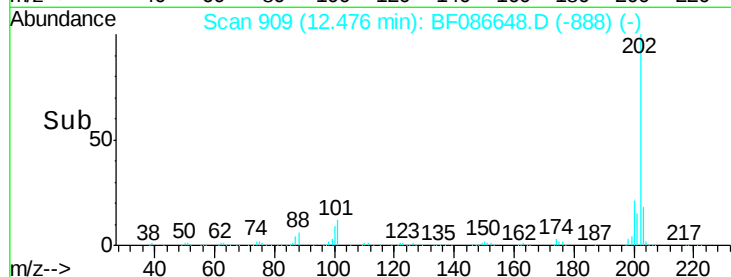
200000

100000

0

12.48

Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

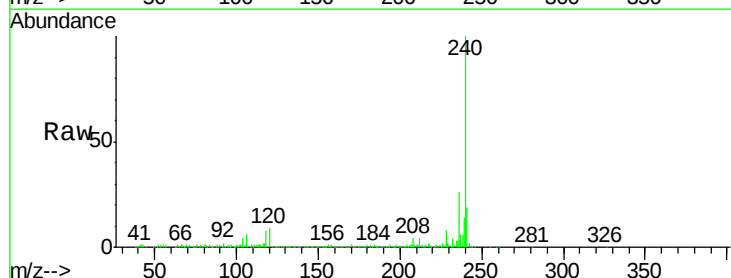
Tgt Ion:240 Resp: 387938

Ion Ratio Lower Upper

240 100

120 8.8 11.2 16.8#

236 26.0 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

400000

300000

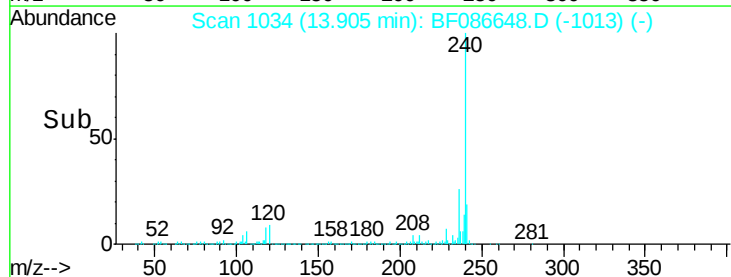
200000

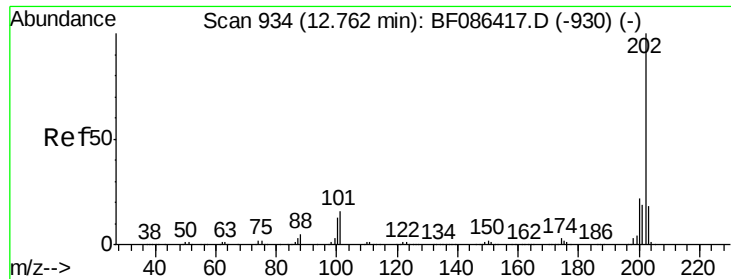
100000

0

13.91

Time-->

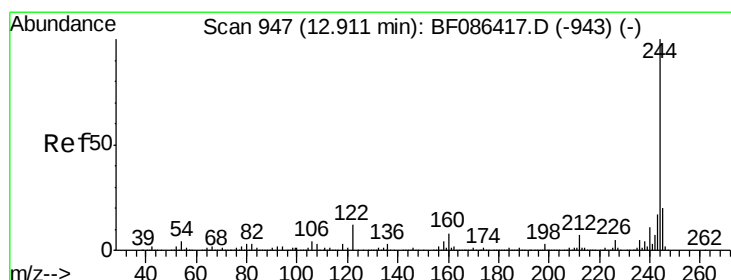
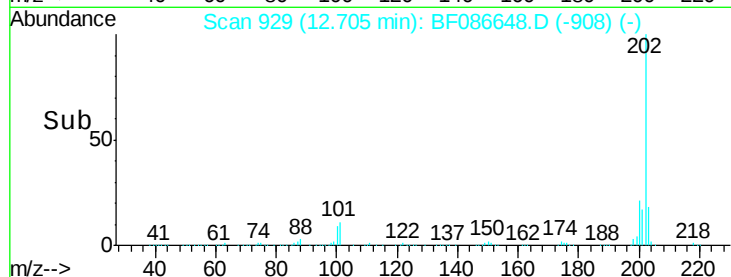
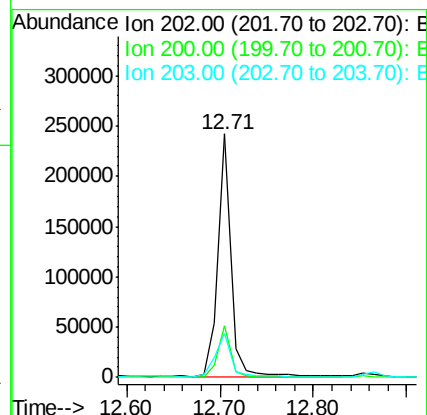
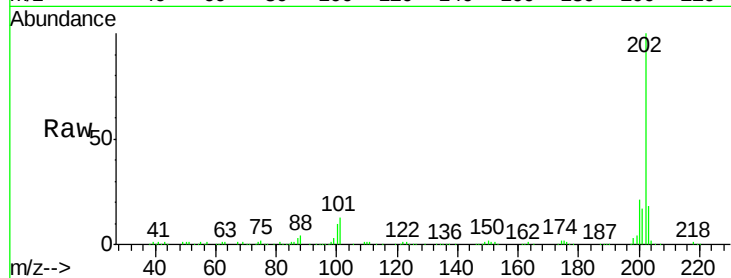




#77
 Pyrene
 Concen: 8.38 ng
 RT: 12.71 min Scan# 929
 Delta R.T. -0.06 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

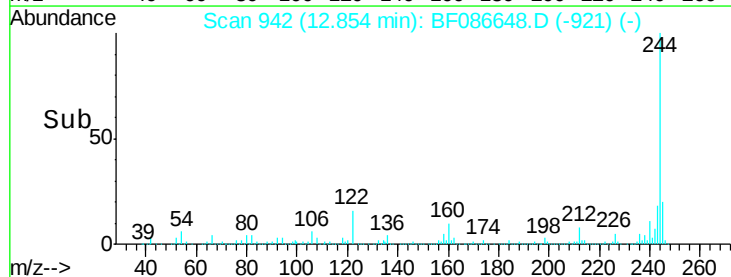
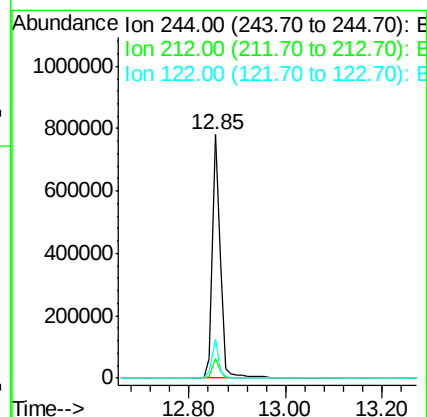
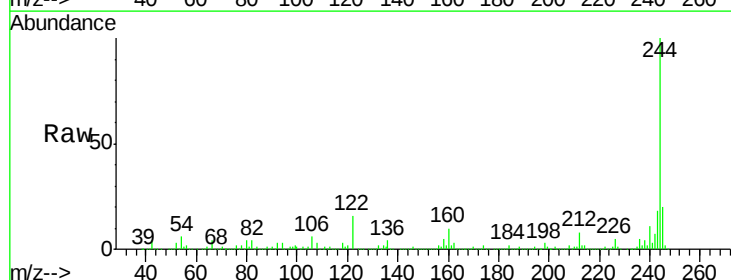
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-6(10-20FTBGS)

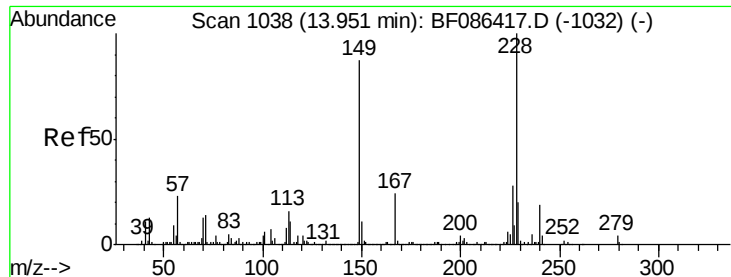
Tgt Ion: 202 Resp: 234292
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.7 26.5
 203 17.9 14.2 21.4



#78
 Terphenyl-d14
 Concen: 51.59 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.06 min
 Lab File: BF086648.D
 Acq: 3 May 2016 16:57

Tgt Ion: 244 Resp: 908496
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 15.9 12.0 18.0

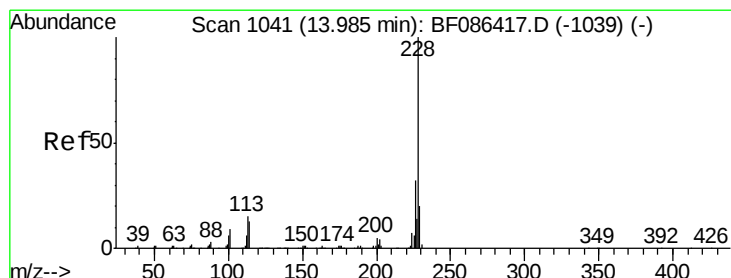
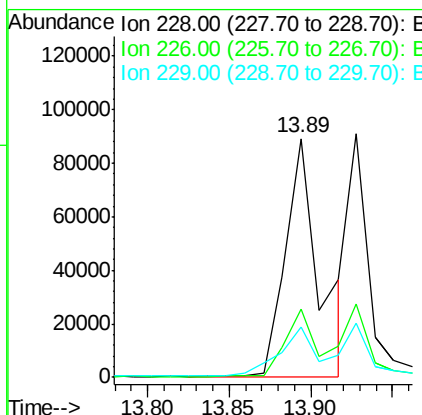
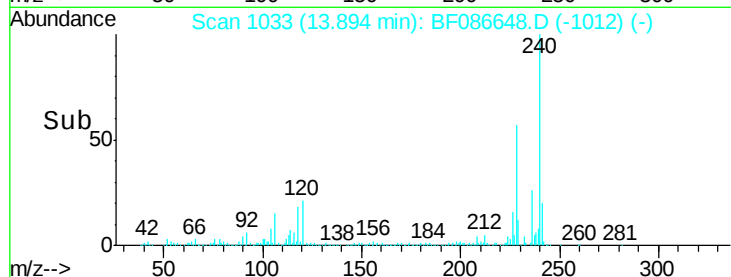
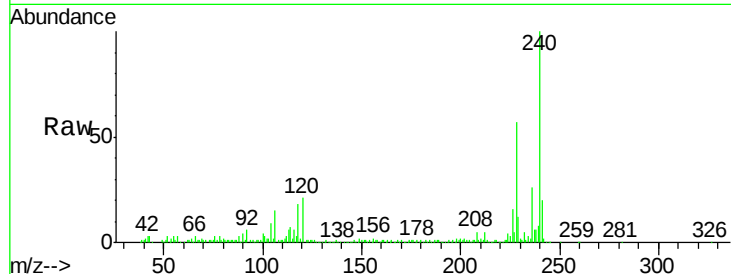




#80
Benzo(a)anthracene
Concen: 6.28 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

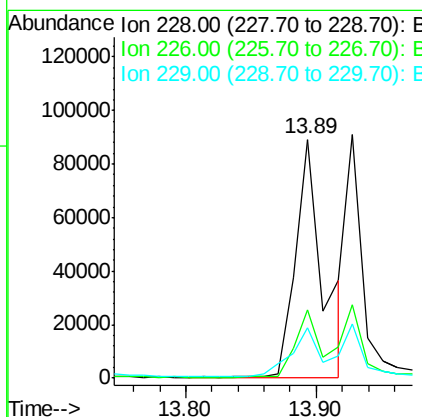
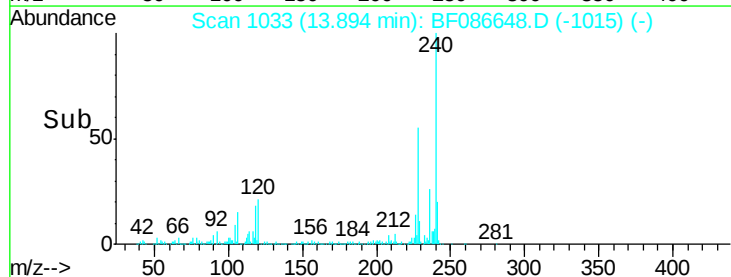
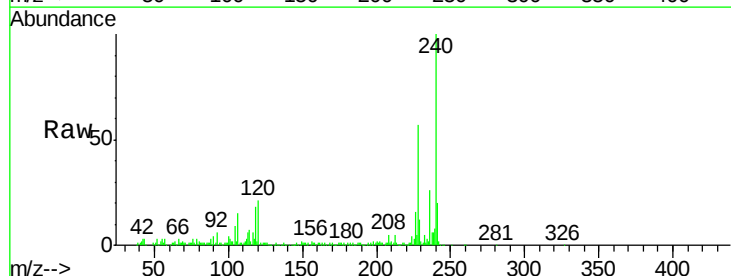
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-6(10-20FTBGS)

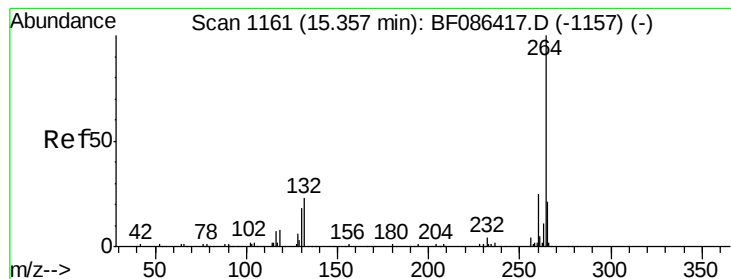
Tgt Ion:228 Resp: 129840
Ion Ratio Lower Upper
228 100
226 28.6 22.5 33.7
229 21.1 16.6 25.0



#82
Chrysene
Concen: 5.78 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.09 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

Tgt Ion:228 Resp: 129872
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 21.1 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: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-6(10-20FTBGS)

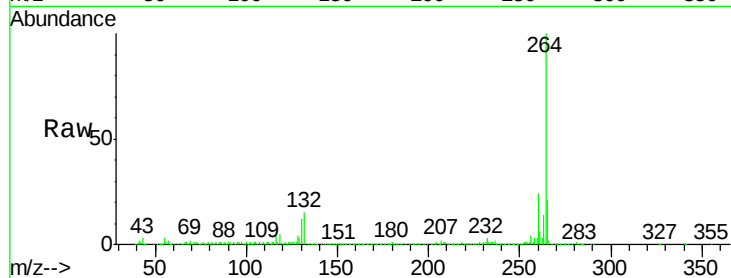
Tgt Ion:264 Resp: 373206

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

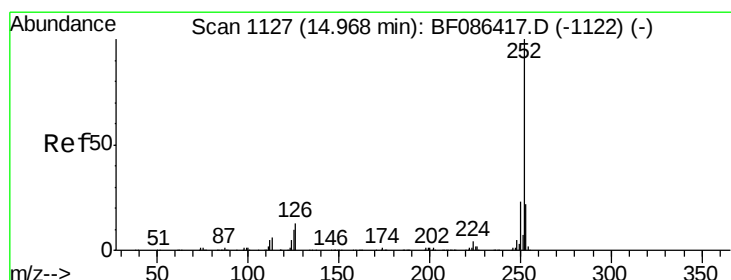
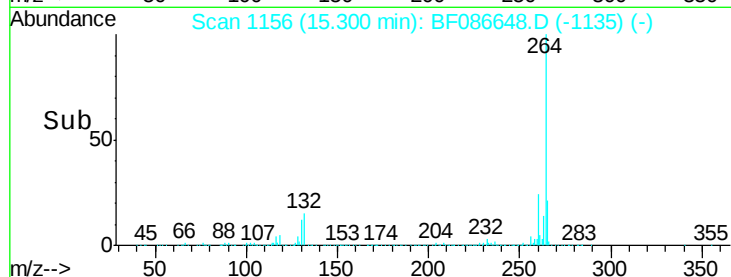
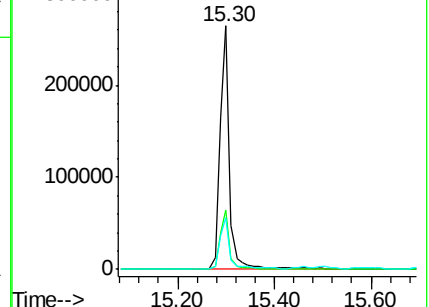
265 21.3 17.3 25.9



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: 7.95 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.07 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

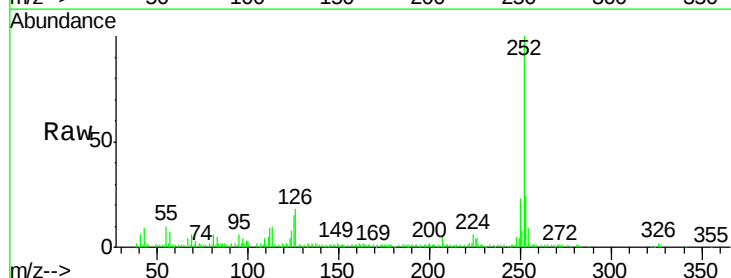
Tgt Ion:252 Resp: 174565

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

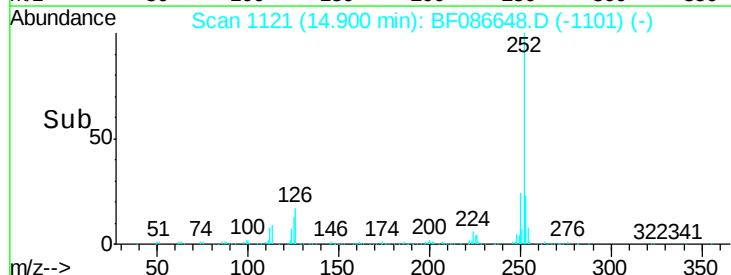
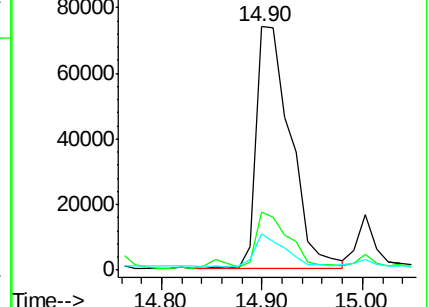
125 14.7 11.4 17.0

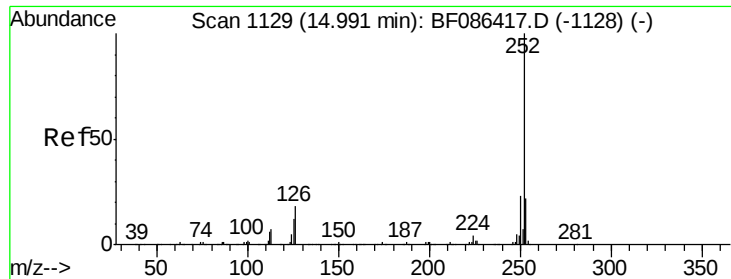


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

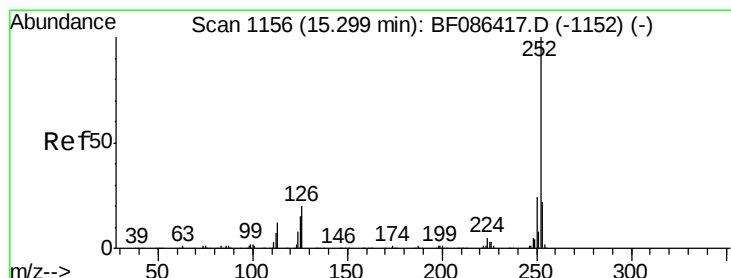
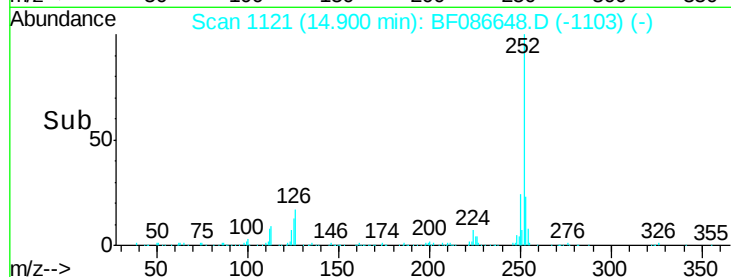
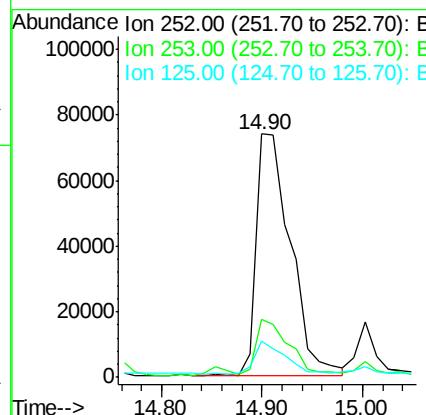
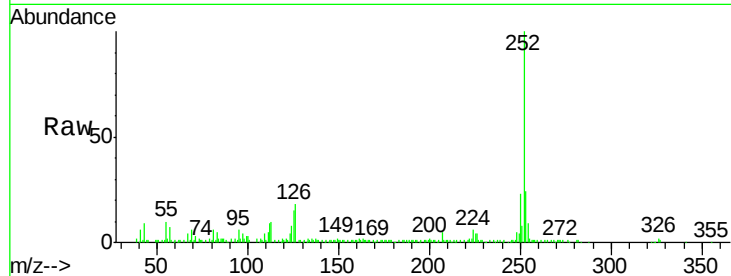




#88
Benzo(k)fluoranthene
Concen: 7.62 ng
RT: 14.90 min Scan# 1121
Delta R.T. -0.09 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

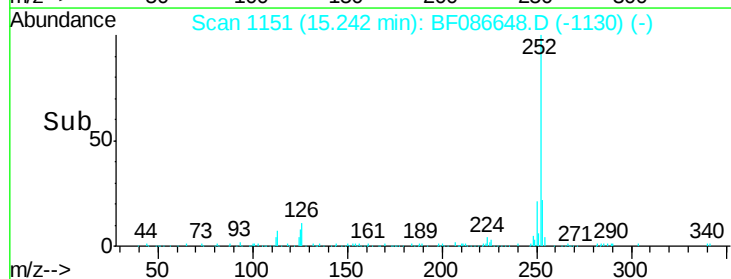
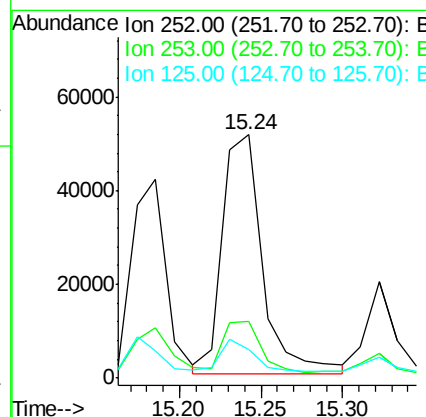
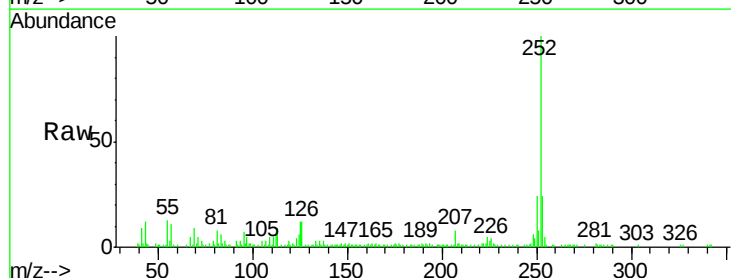
Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-6(10-20FTBGS)

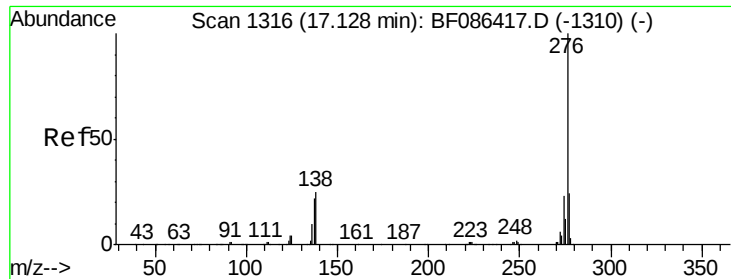
Tgt Ion: 252 Resp: 174565
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 14.7 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 4.23 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.06 min
Lab File: BF086648.D
Acq: 3 May 2016 16:57

Tgt Ion: 252 Resp: 87652
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 11.6 9.0 13.6





#91

Benzo(g,h,i)perylene

Concen: 2.48 ng

RT: 17.01 min Scan# 1306

Delta R.T. -0.11 min

Lab File: BF086648.D

Acq: 3 May 2016 16:57

Instrument :

BNA_F

ClientSampleId :

26WARD-2B-CS-6(10-20FTBGS)

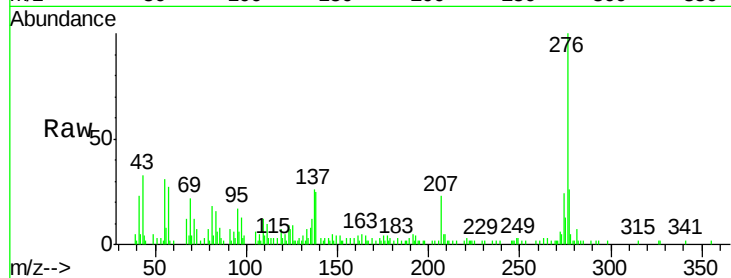
Tgt Ion: 276 Resp: 42076

Ion Ratio Lower Upper

276 100

277 26.2 19.6 29.4

138 25.2 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

