

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086481.D
 Acq On : 28 Apr 2016 23:49
 Operator : UM/SJ
 Sample : H2654-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

Quant Time: Apr 29 08:55:57 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	6.78	152	153441	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	606920	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	247198	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	363315	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	278744	20.00	ng	-0.01
86) Perylene-d12	15.36	264	247472	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	811941	91.27	ng	-0.01
7) Phenol-d6	6.43	99	1264506	101.85	ng	-0.01
23) Nitrobenzene-d5	7.36	82	807778	71.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	215791	82.78	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1070402	73.50	ng	-0.02
78) Terphenyl-d14	12.90	244	746699	59.02	ng	-0.01

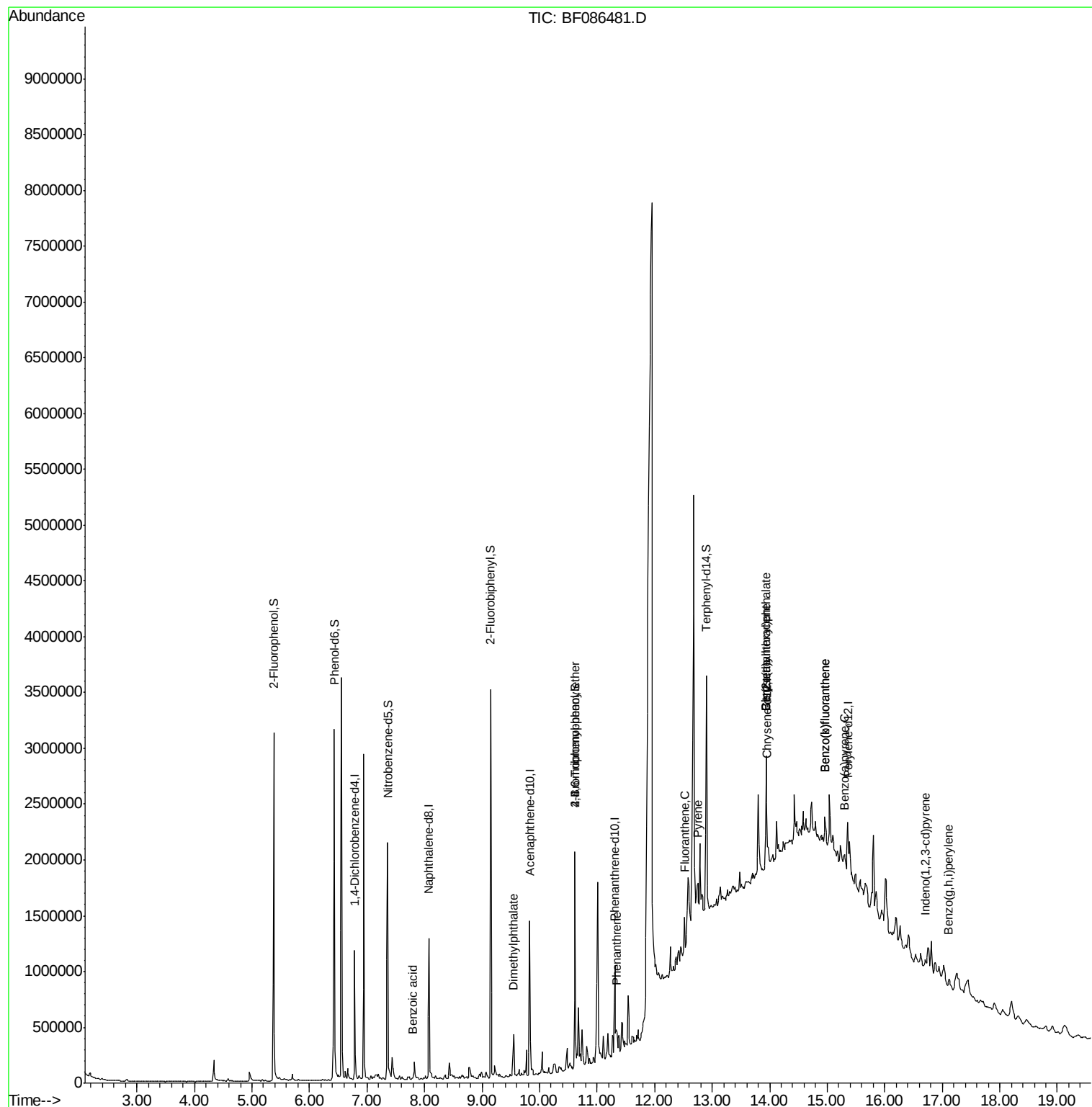
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	7.79	122	3362	9.27	ng	# 83
49) Dimethylphthalate	9.55	163	173167	9.31	ng	98
66) 4-Bromophenyl-phenylether	10.61	248	13640	3.64	ng	# 1
70) Phenanthrene	11.33	178	107124	5.62	ng	99
74) Fluoranthene	12.52	202	154172	8.01	ng	95
77) Pyrene	12.75	202	139066	6.92	ng	98
80) Benzo(a)anthracene	13.94	228	78105	5.26	ng	94
82) Chrysene	13.94	228	78105	4.84	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.94	149	153958	14.26	ng	99
85) Indeno(1,2,3-cd)pyrene	16.71	276	54616	4.56	ng	# 87
87) Benzo(b)fluoranthene	14.96	252	138780	9.53	ng	# 70
88) Benzo(k)fluoranthene	14.96	252	138780	9.14	ng	# 69
89) Benzo(a)pyrene	15.30	252	70684	5.14	ng	# 58
91) Benzo(a,h,i)perylene	17.12	276	55895	4.96	ng	94

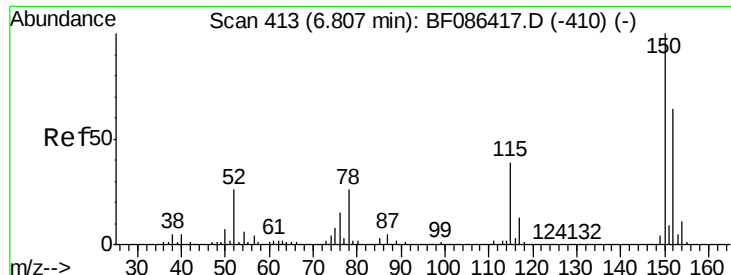
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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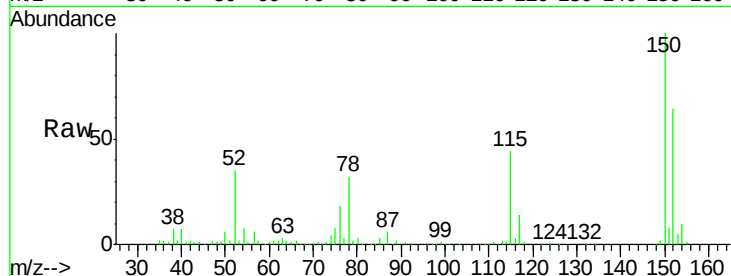




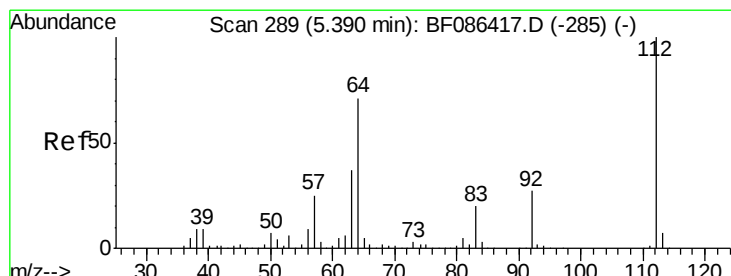
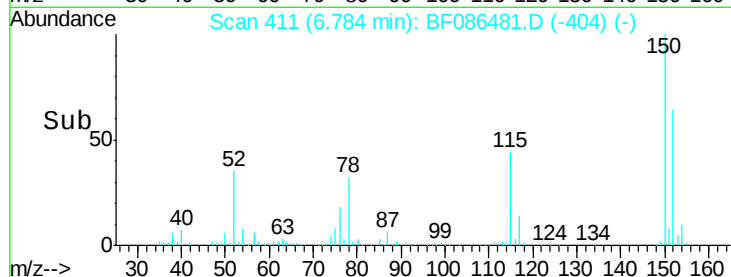
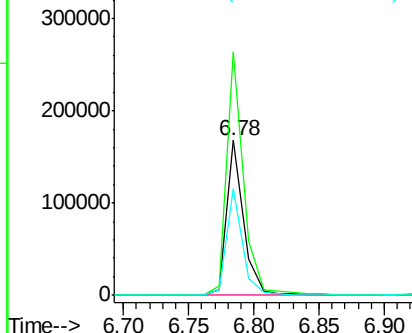
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.02 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:152 Resp: 153441
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.8 188.6
 115 68.6 51.5 77.3

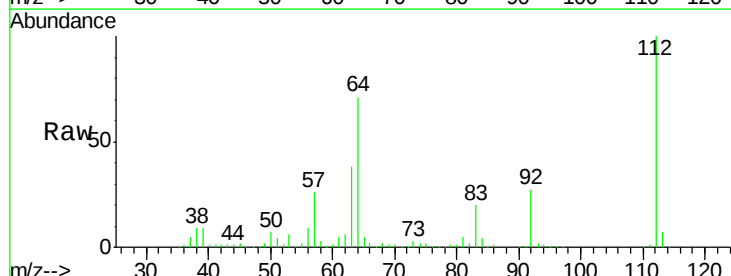


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

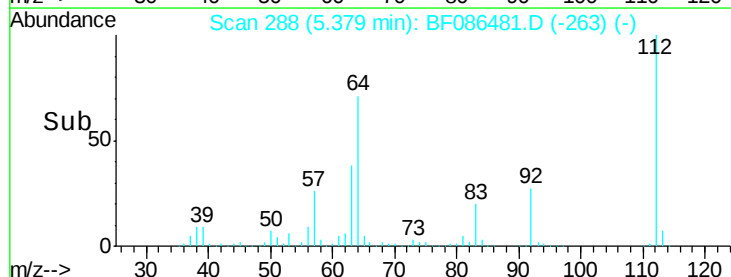
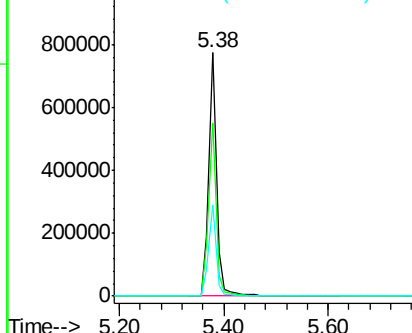


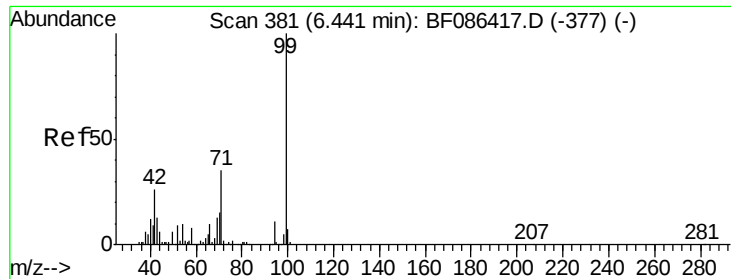
#5
 2-Fluorophenol
 Concen: 91.27 ng
 RT: 5.38 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

Tgt Ion:112 Resp: 811941
 Ion Ratio Lower Upper
 112 100
 64 71.0 52.1 78.1
 63 37.7 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: 101.85 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

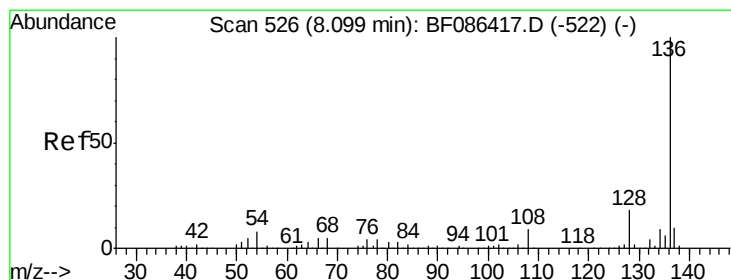
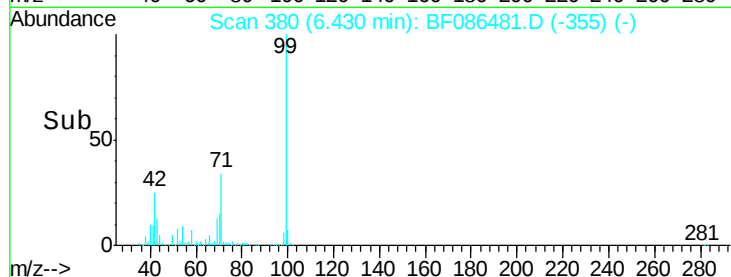
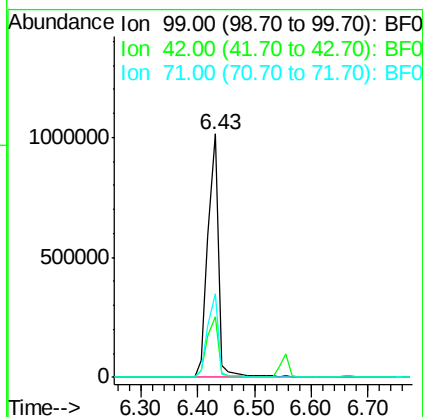
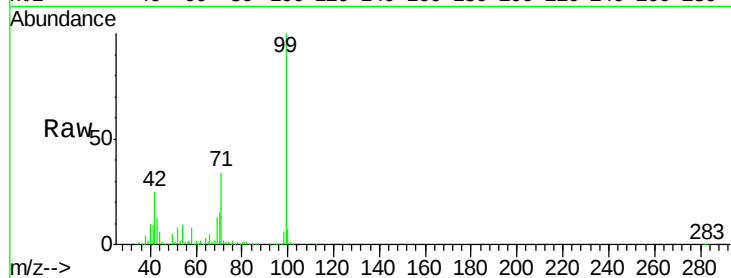
BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1264506

Ion	Ratio	Lower	Upper
99	100		
42	24.9	13.6	20.4#
71	34.3	24.6	36.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

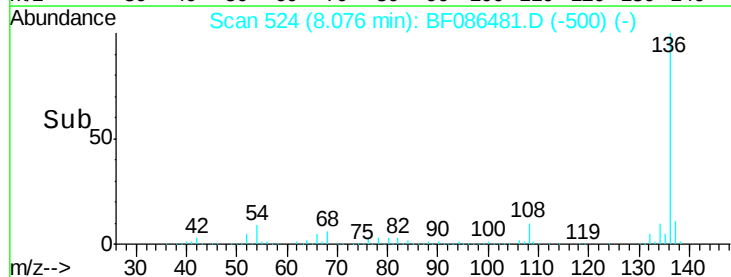
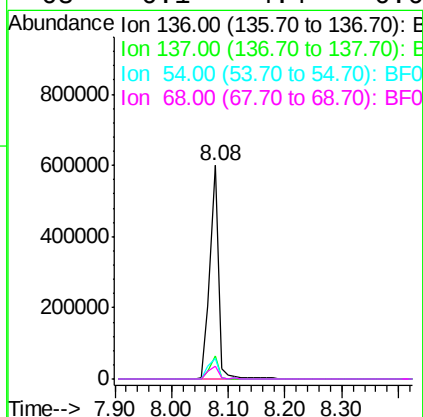
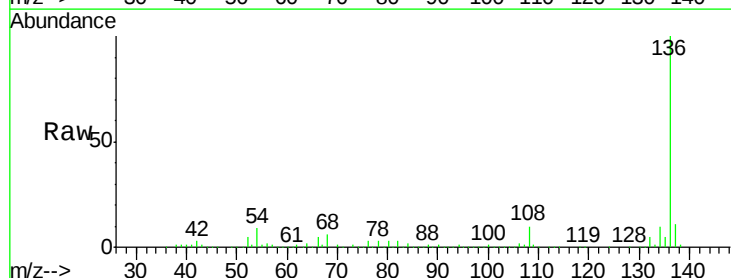
Delta R.T. -0.02 min

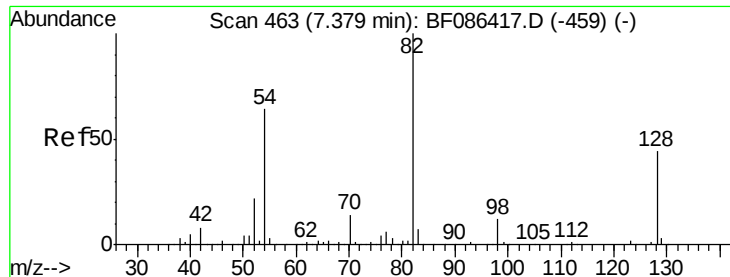
Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Tgt Ion: 136 Resp: 606920

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	9.4	5.0	7.4#
68	6.1	4.4	6.6

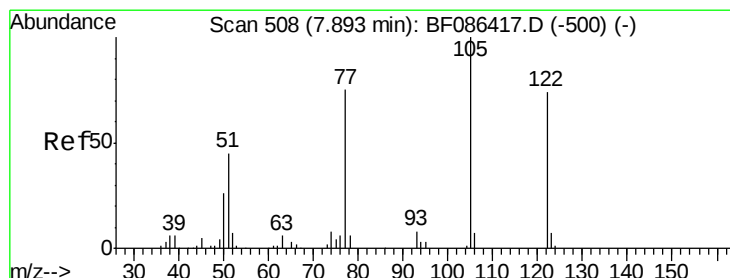
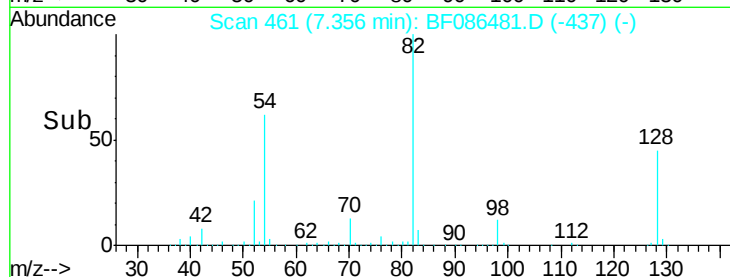
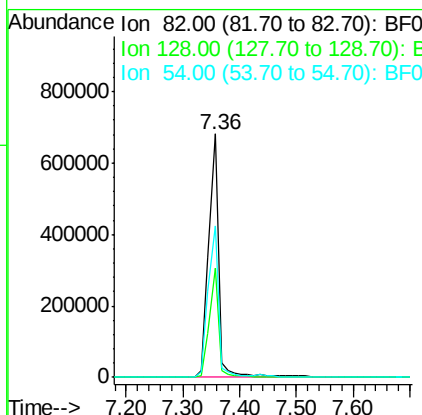
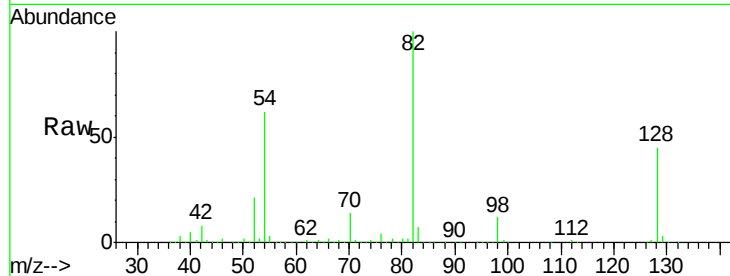




#23
Nitrobenzene-d5
Concen: 71.74 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

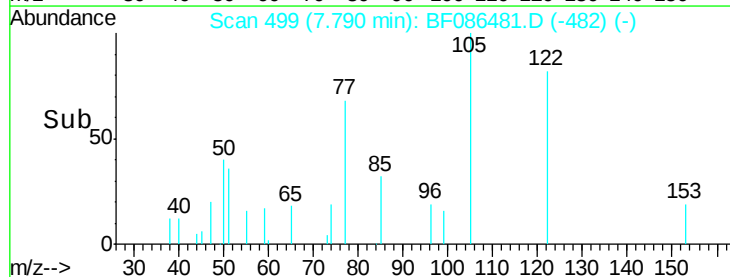
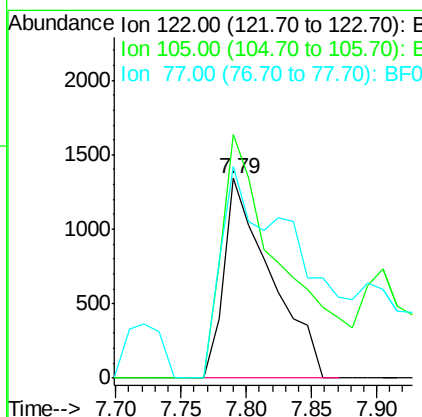
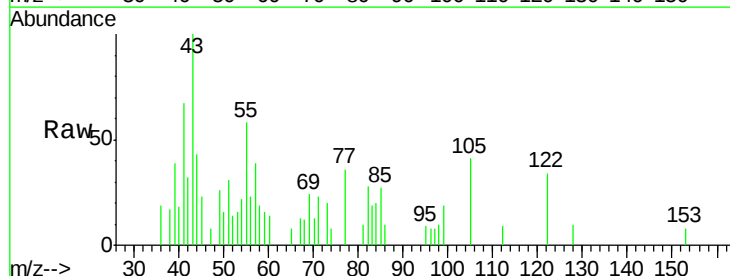
Instrument :
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ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

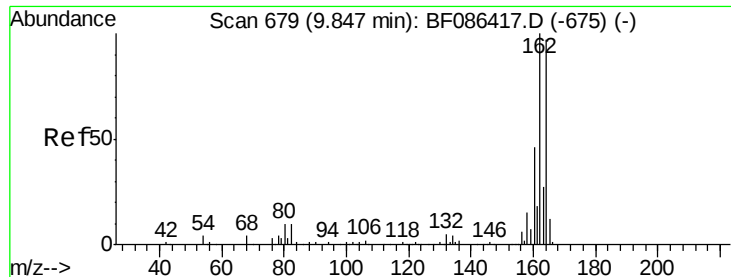
Tot Ion: 82 Resp: 807778
Ion Ratio Lower Upper
82 100
128 44.8 40.6 61.0
54 62.3 38.1 57.1#



#32
Benzoic acid
Concen: 9.27 ng
RT: 7.79 min Scan# 499
Delta R.T. -0.10 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion:122 Resp: 3362
Ion Ratio Lower Upper
122 100
105 121.7 92.6 132.6
77 106.0 60.0 100.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

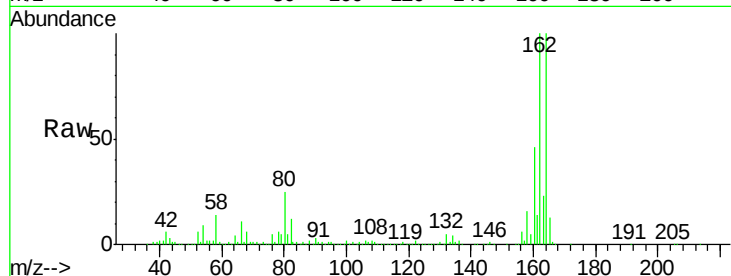
Tot Ion:164 Resp: 247198

Ion Ratio Lower Upper

164 100

162 100.2 82.8 124.2

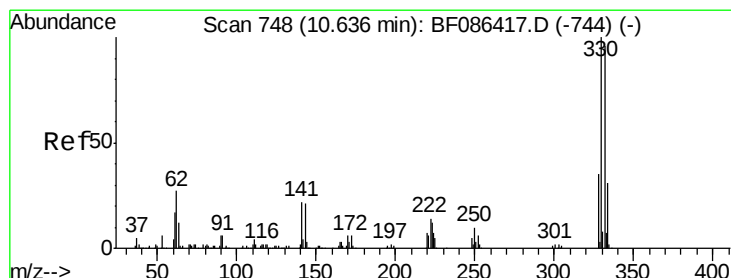
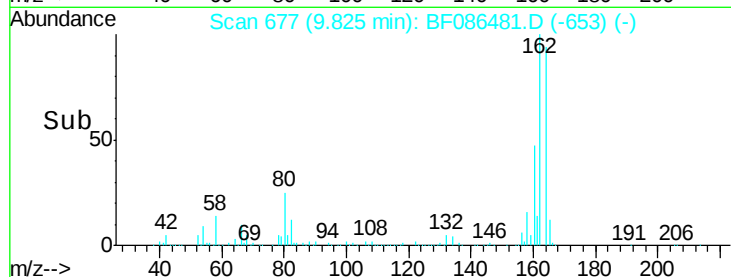
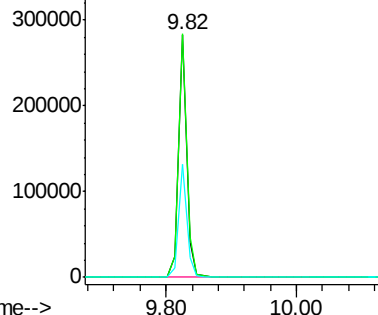
160 46.4 36.9 55.3



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: 82.78 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

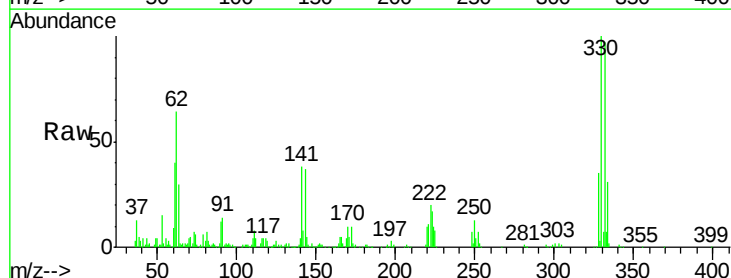
Tgt Ion:330 Resp: 215791

Ion Ratio Lower Upper

330 100

332 97.5 79.0 118.4

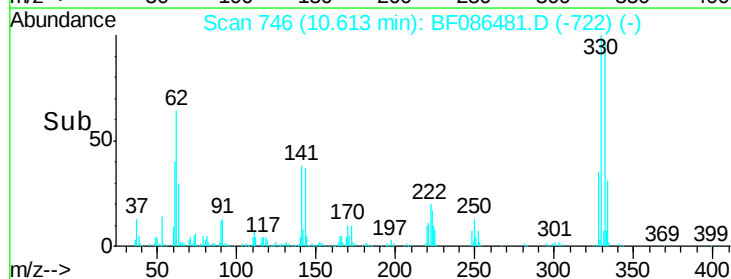
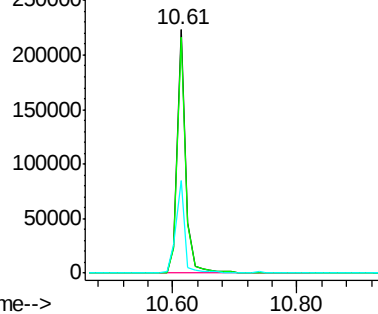
141 38.5 31.2 46.8

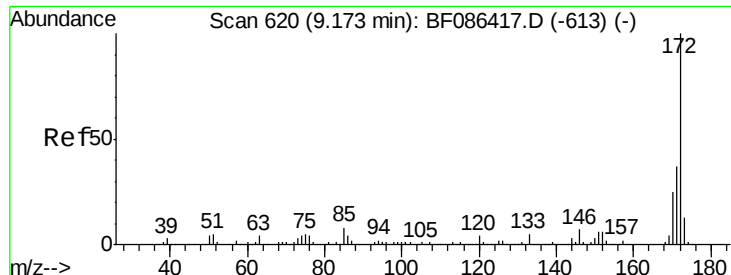


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



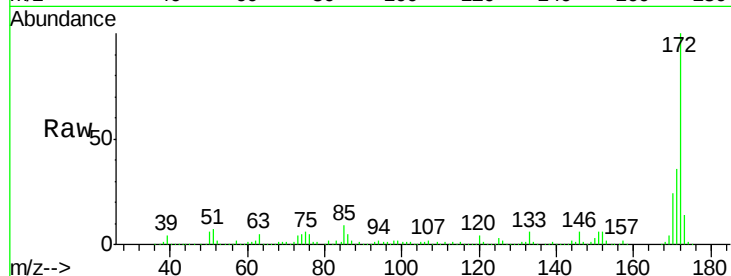


#44
 2-Fluorobiphenyl
 Concen: 73.50 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

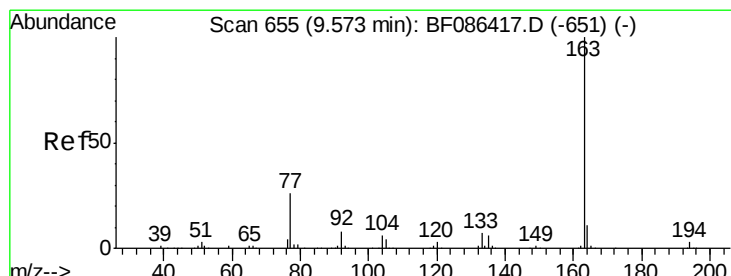
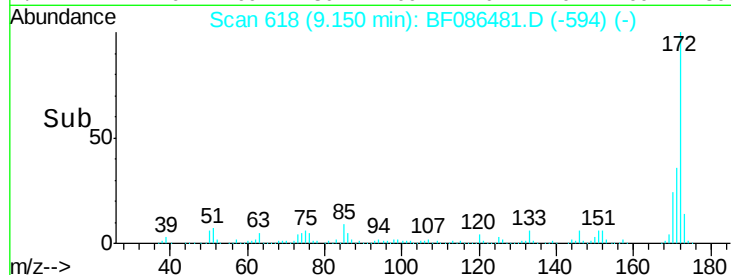
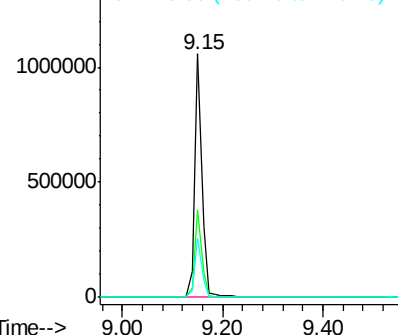
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:172 Resp: 1070402

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.4	19.8	29.8



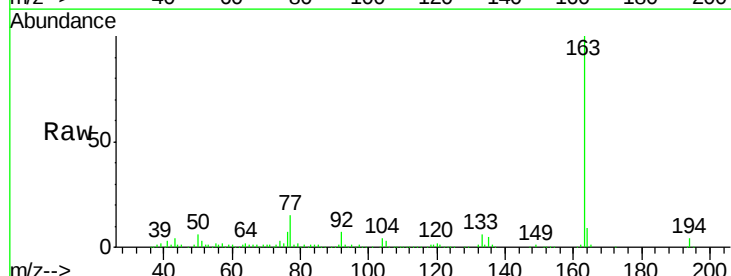
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



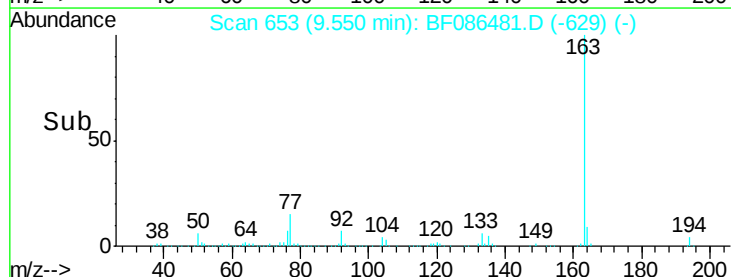
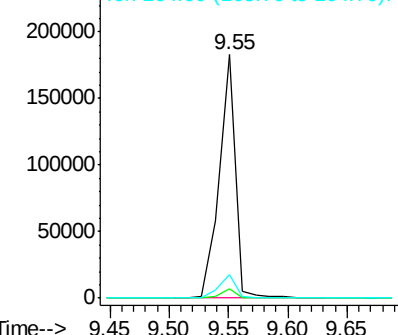
#49
 Dimethylphthalate
 Concen: 9.31 ng
 RT: 9.55 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

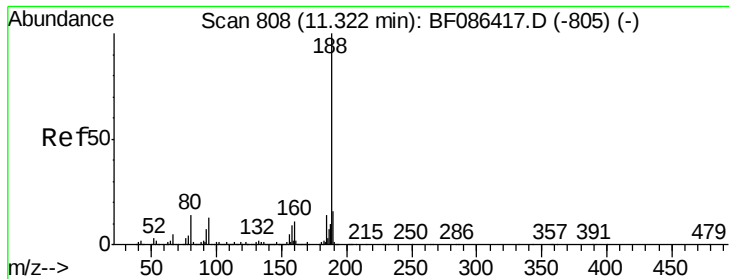
Tgt Ion:163 Resp: 173167

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.5	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

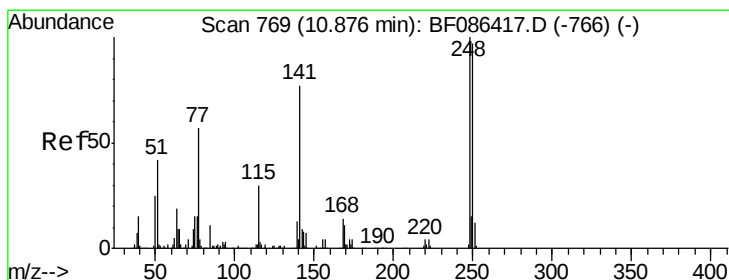
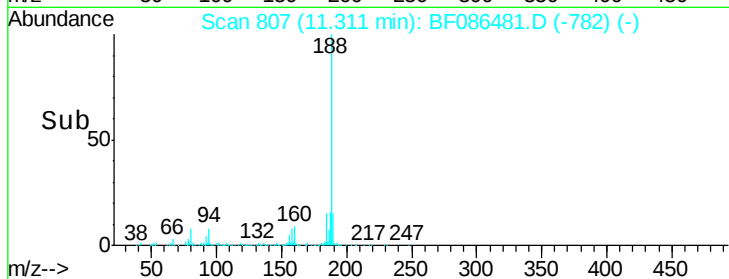
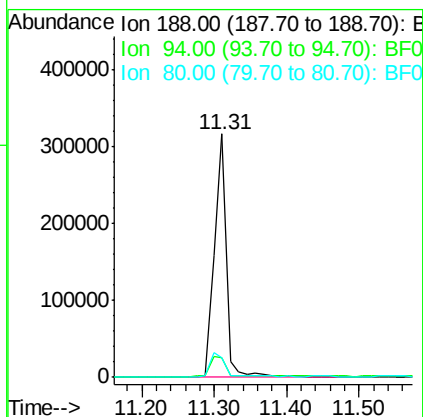
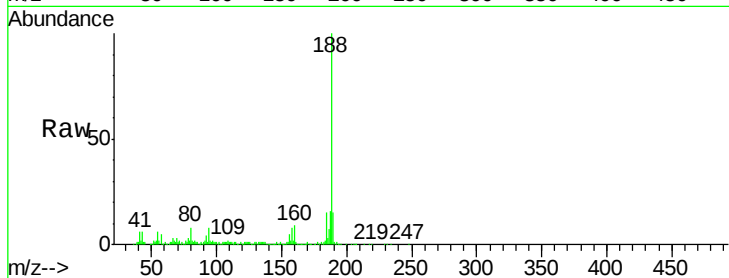




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

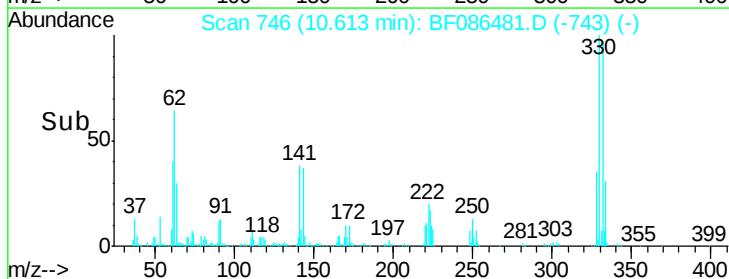
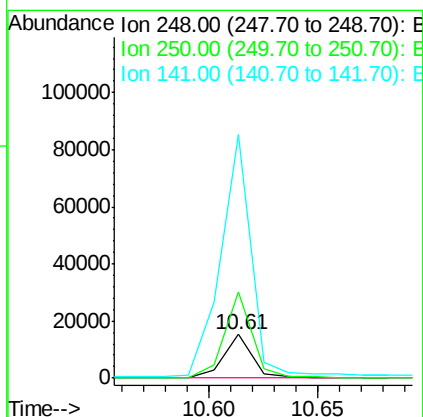
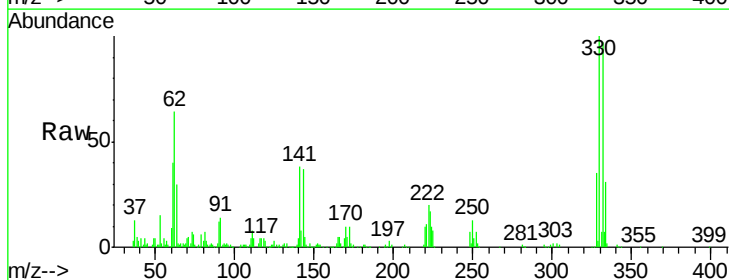
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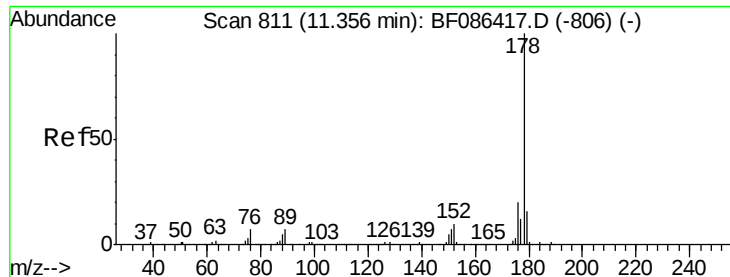
Tot Ion:188 Resp: 363315
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.3 7.1 10.7



#66
4-Bromophenyl-phenylether
Concen: 3.64 ng
RT: 10.61 min Scan# 746
Delta R.T. -0.26 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion:248 Resp: 13640
Ion Ratio Lower Upper
248 100
250 197.5 78.6 117.8#
141 559.2 76.0 114.0#

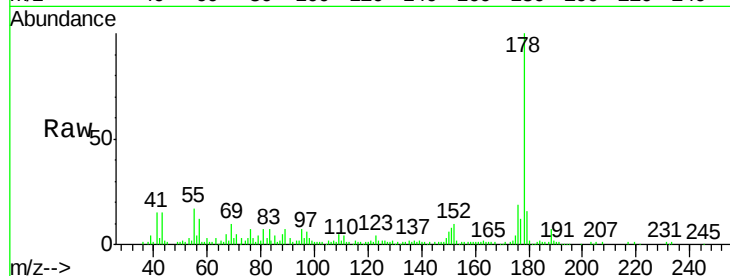




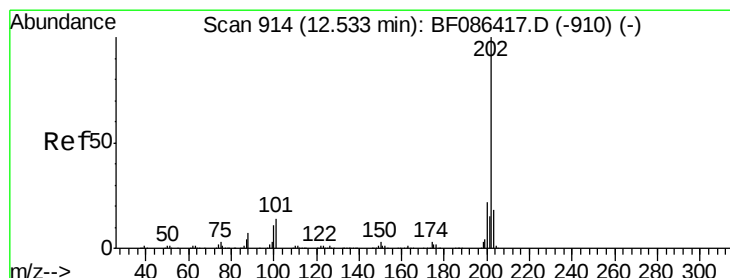
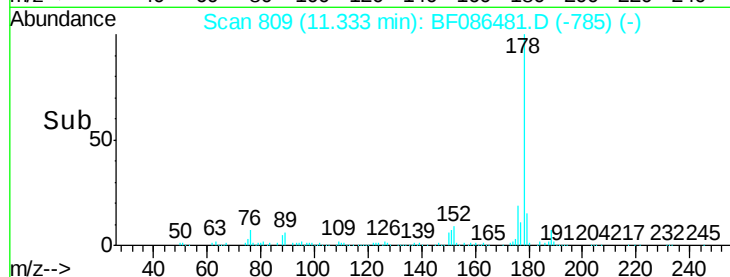
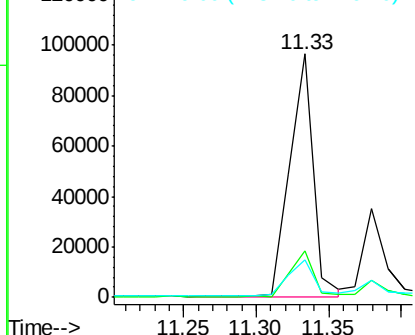
#70
Phenanthrene
Concen: 5.62 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:178 Resp: 107124
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 12.6 18.8

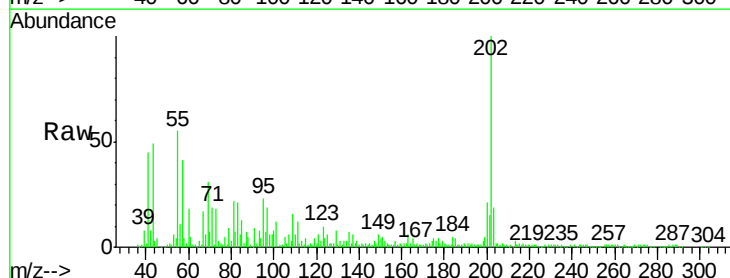


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

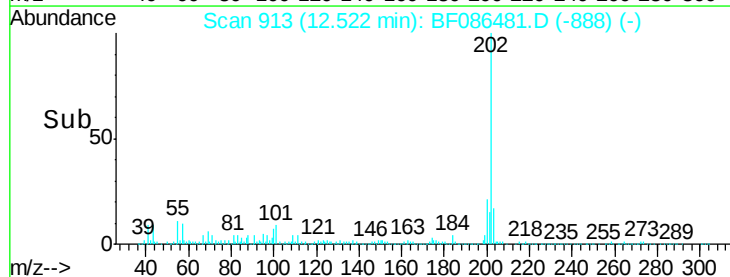
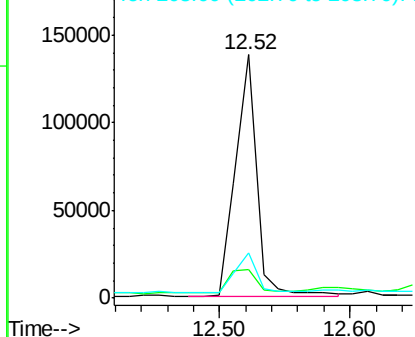


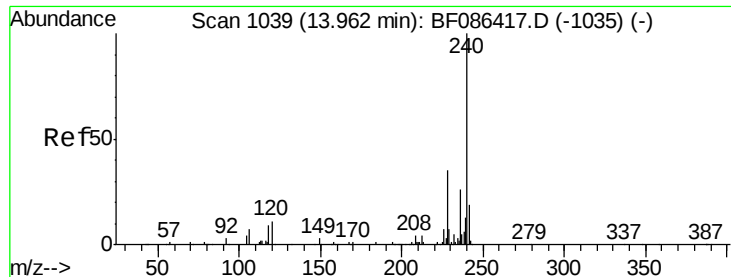
#74
Fluoranthene
Concen: 8.01 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion:202 Resp: 154172
Ion Ratio Lower Upper
202 100
101 11.5 0.0 35.4
203 18.8 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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

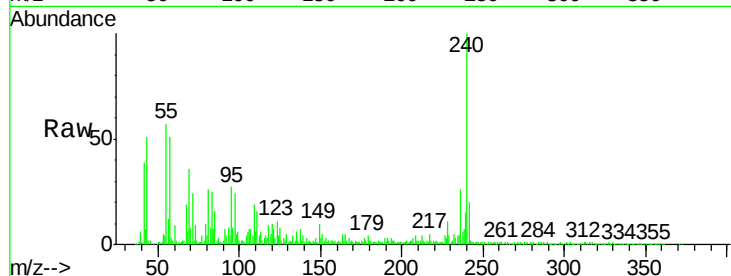
Tot Ion:240 Resp: 278744

Ion Ratio Lower Upper

240 100

120 10.5 11.2 16.8#

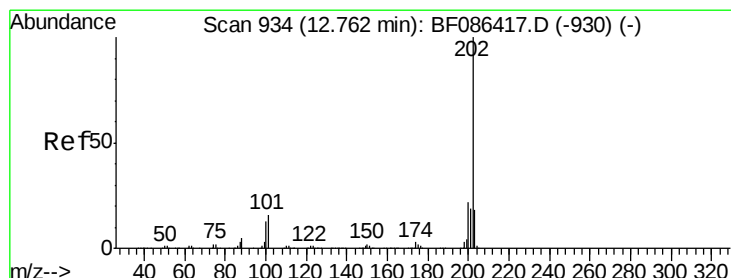
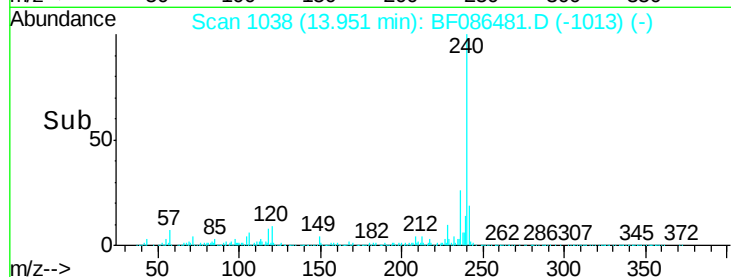
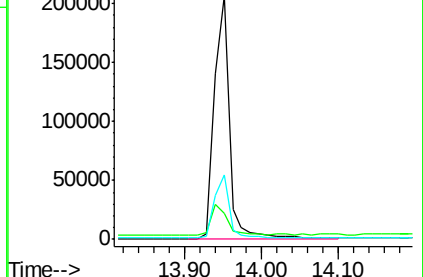
236 26.3 21.2 31.8



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: 6.92 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

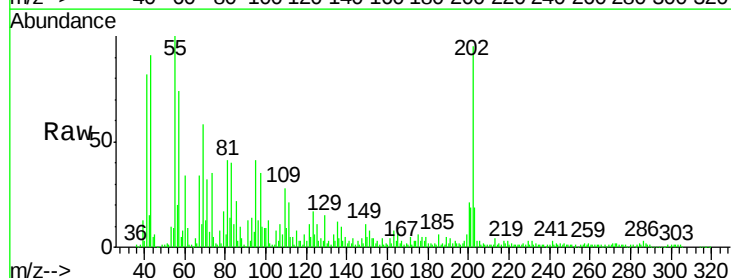
Tgt Ion:202 Resp: 139066

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

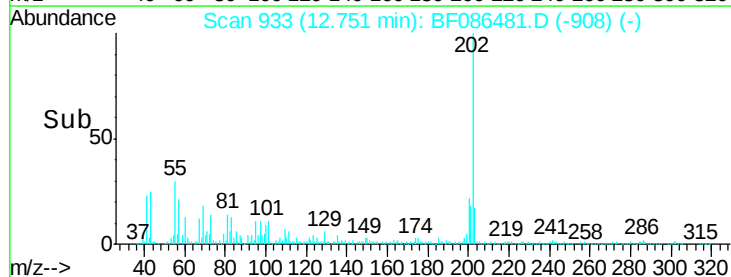
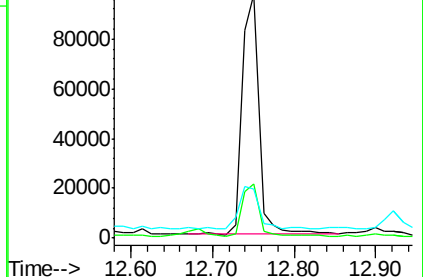
203 20.1 14.2 21.4

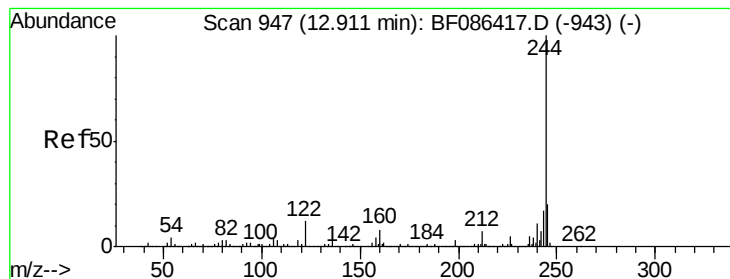


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.02 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

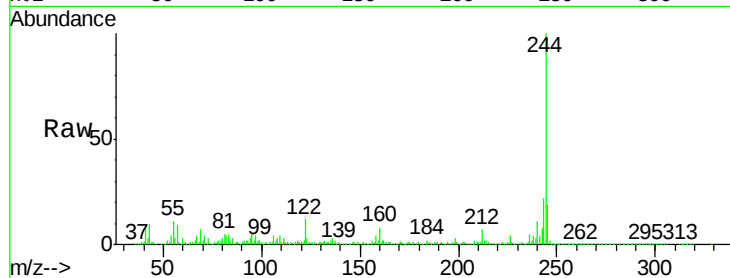
Tot Ion:244 Resp: 746699

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 11.7 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

12.90

800000

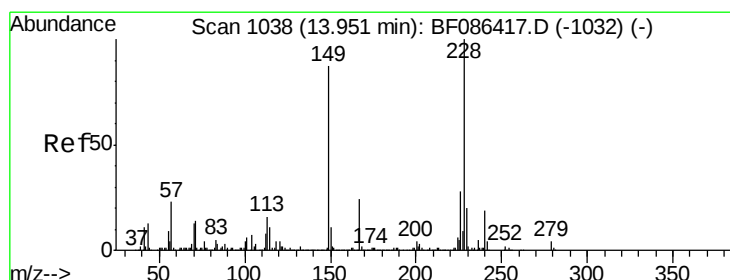
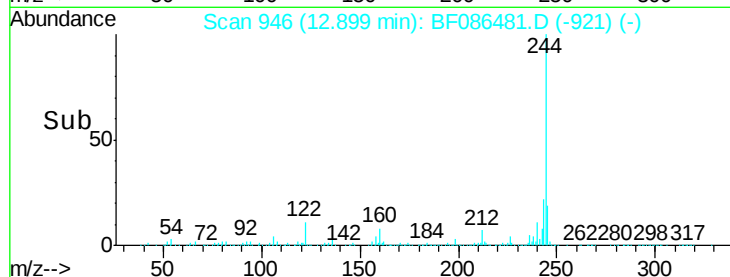
600000

400000

200000

0

Time-->



#80

Benzo(a)anthracene

Concen: 5.26 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

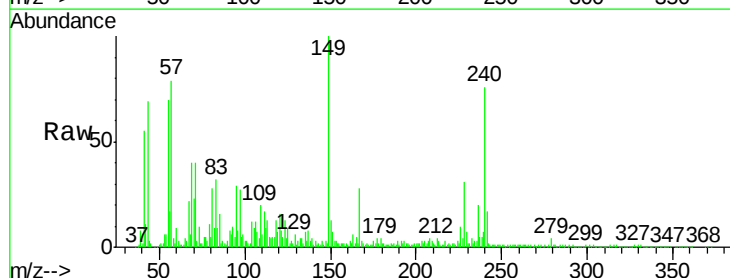
Tgt Ion:228 Resp: 78105

Ion Ratio Lower Upper

228 100

226 31.1 22.5 33.7

229 24.2 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

13.94

80000

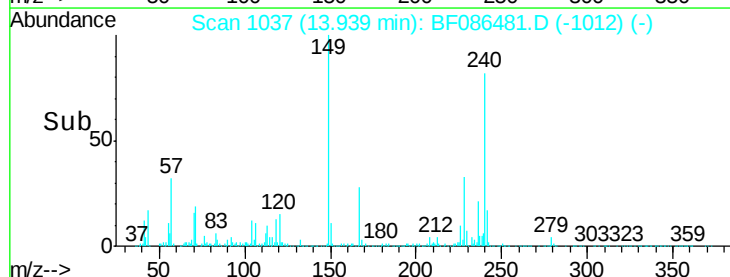
60000

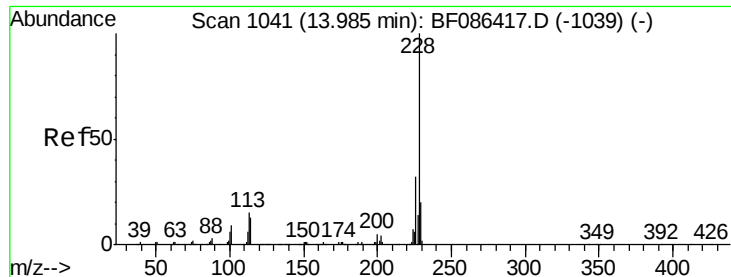
40000

20000

0

Time-->





#82

Chrysene

Concen: 4.84 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-7(0-6FTBGS)

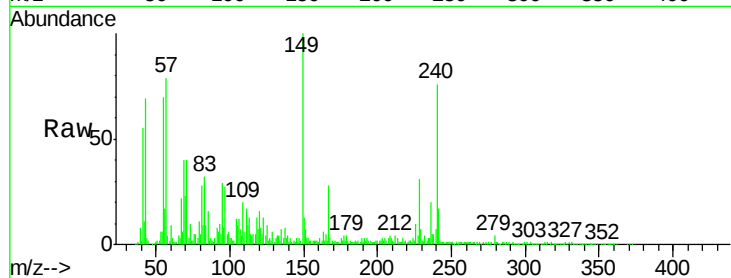
Tot Ion:228 Resp: 78105

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

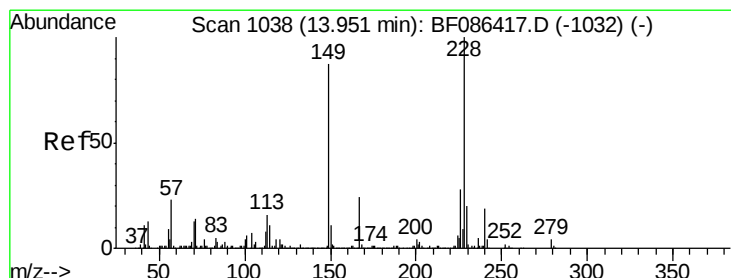
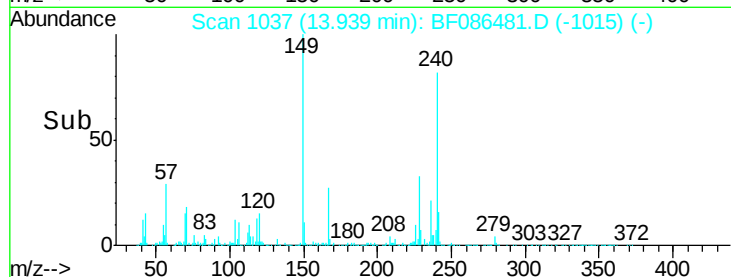
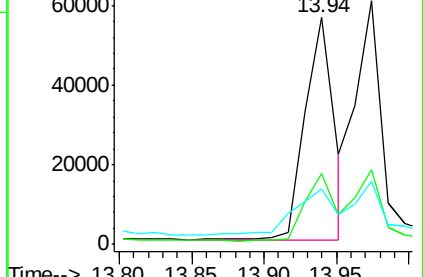
229 24.2 15.8 23.8#



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: 14.26 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF086481.D

Acq: 28 Apr 2016 23:49

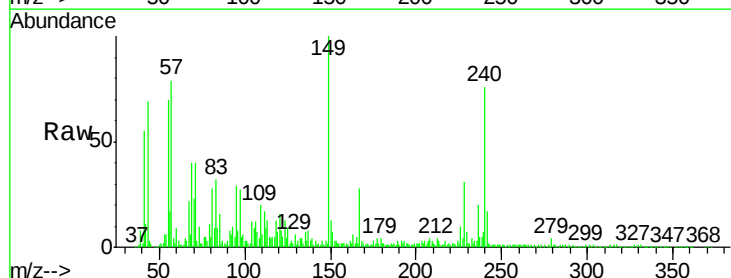
Tgt Ion:149 Resp: 153958

Ion Ratio Lower Upper

149 100

167 27.8 21.8 32.6

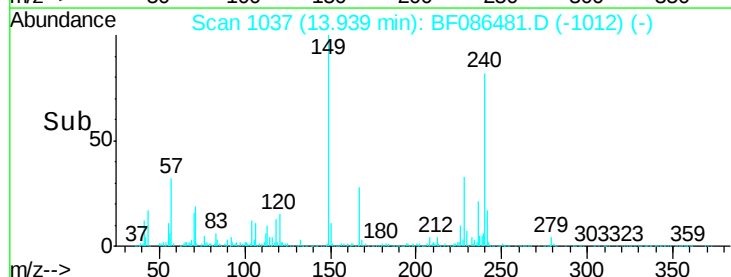
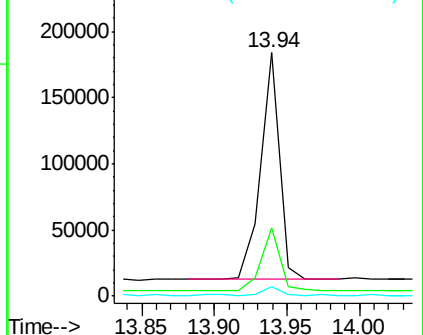
279 3.9 2.6 4.0

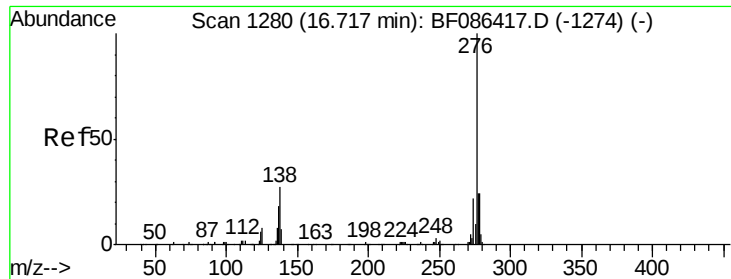


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

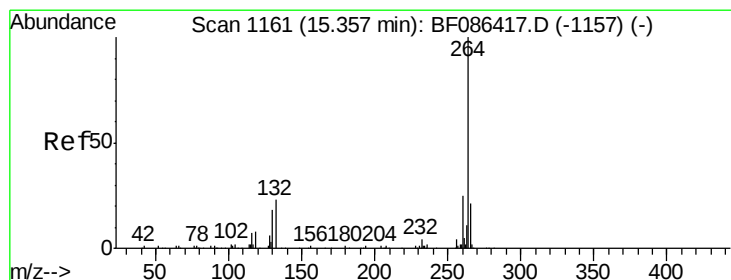
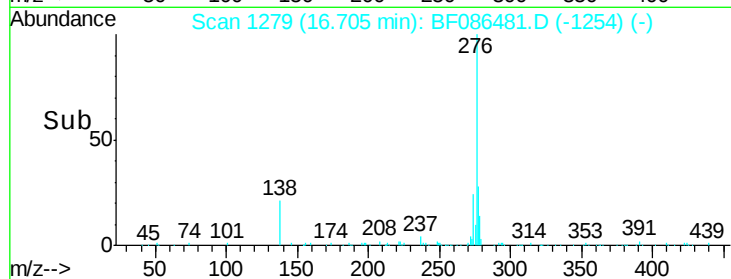
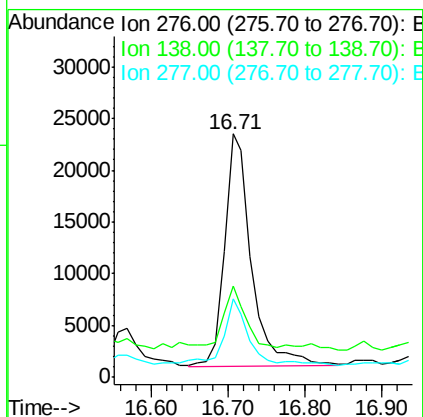
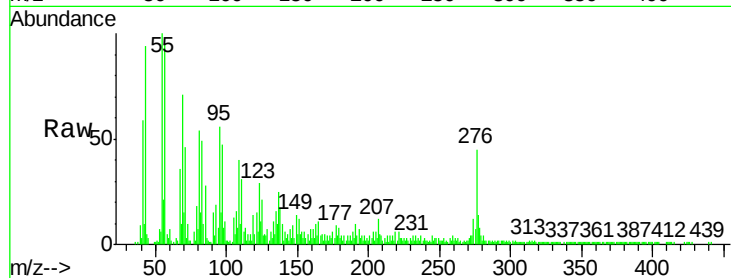




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.56 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

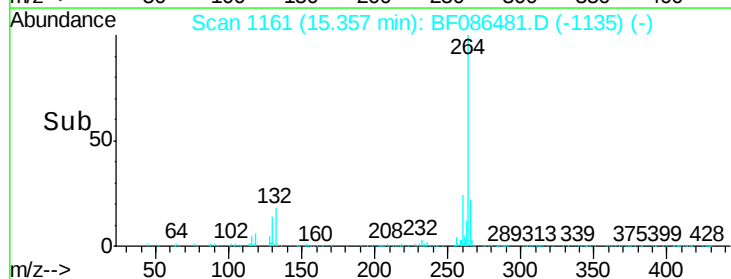
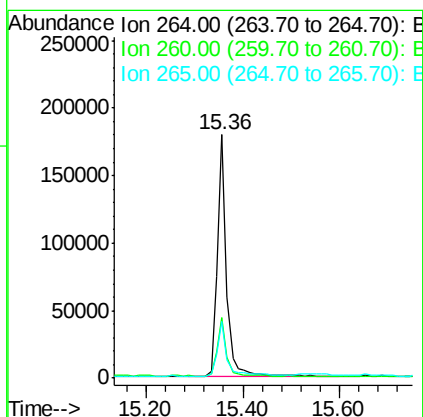
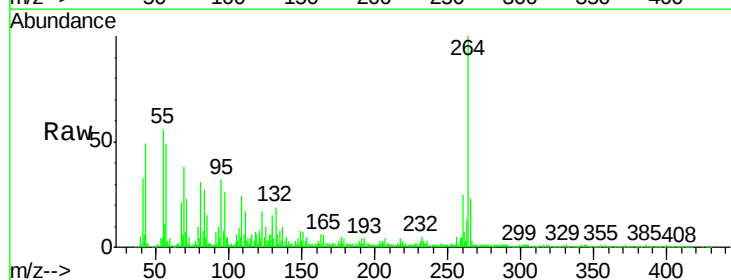
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-7(0-6FTBGS)

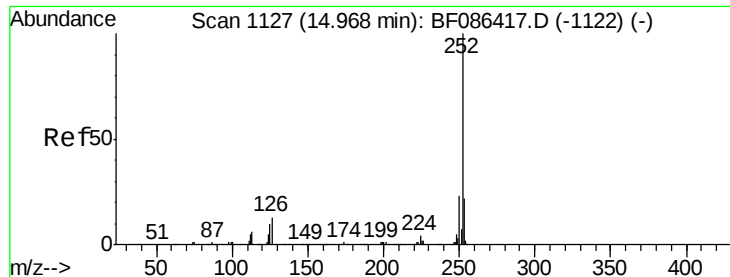
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.6	38.4#
277	28.1	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF086481.D
 Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.5	29.3
265	23.1	17.3	25.9

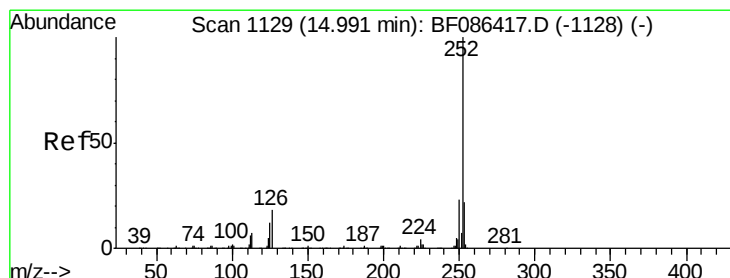
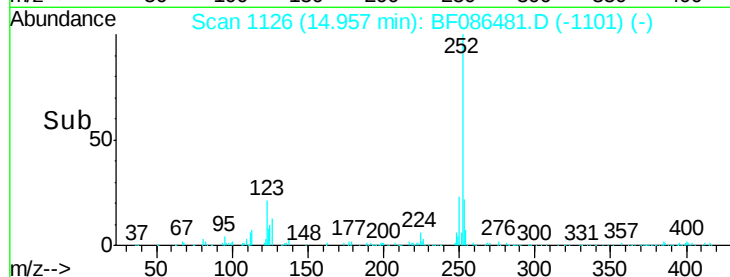
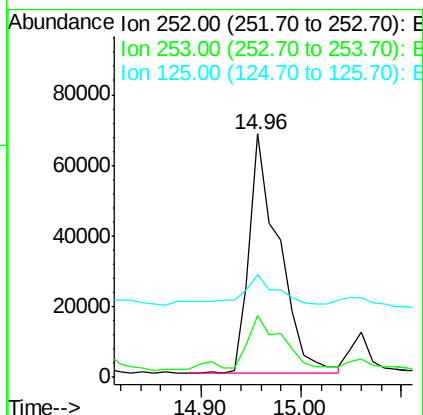
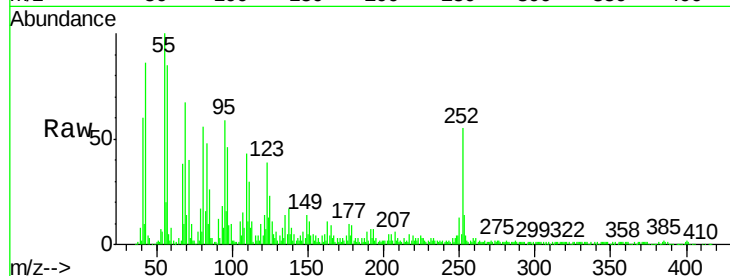




#87
Benzo(b)fluoranthene
Concen: 9.53 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

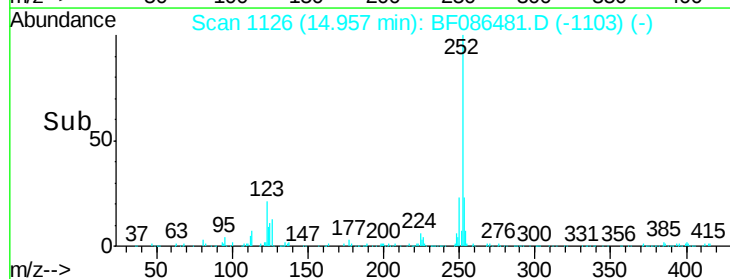
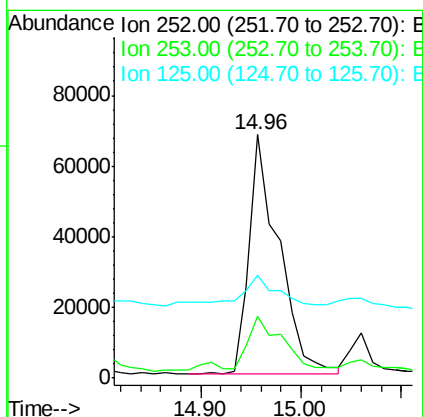
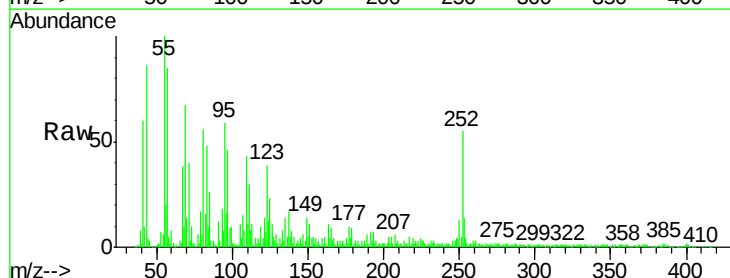
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

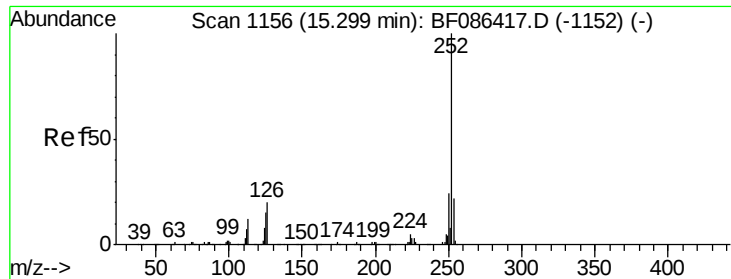
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	42.0	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 9.14 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.03 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.6
125	42.0	9.1	13.7

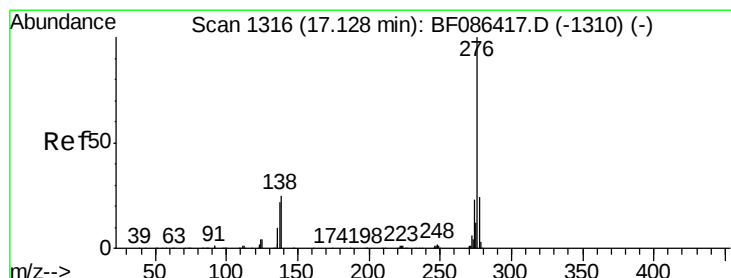
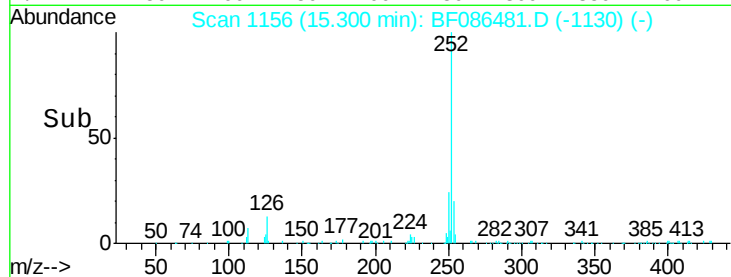
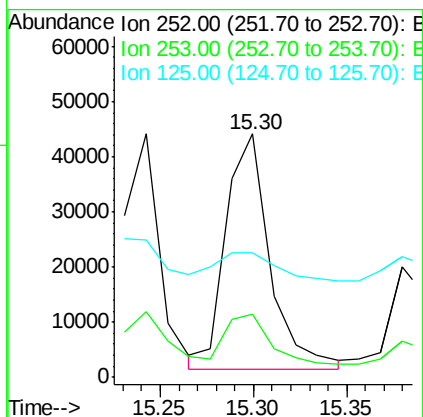
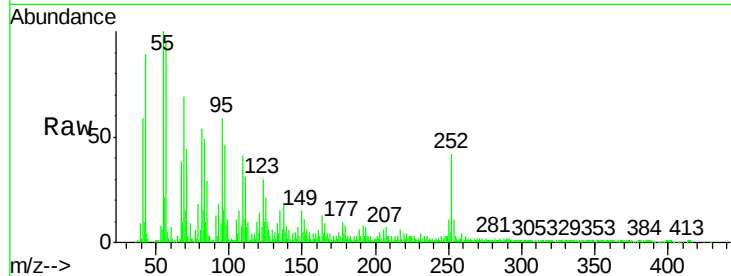




#89
Benzo(a)pyrene
Concen: 5.14 ng
RT: 15.30 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-7(0-6FTBGS)

Tot Ion:252 Resp: 70684
Ion Ratio Lower Upper
252 100
253 26.0 17.2 25.8#
125 51.2 9.0 13.6#



#91
Benzo(g,h,i)perylene
Concen: 4.96 ng
RT: 17.12 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF086481.D
Acq: 28 Apr 2016 23:49

Tgt Ion:276 Resp: 55895
Ion Ratio Lower Upper
276 100
277 26.1 19.6 29.4
138 34.4 23.6 35.4

