

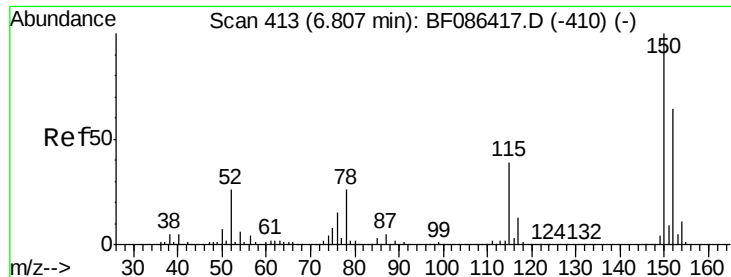
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086479.D
 Acq On : 28 Apr 2016 22:51
 Operator : UM/SJ
 Sample : H2654-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-9(0-6FTBGS)

Quant Time: Apr 29 08:55:23 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	169771	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	693590	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	304153	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	489161	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	316297	20.00	ng	-0.02
86) Perylene-d12	15.33	264	336236	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1135987	115.42	ng	0.00
7) Phenol-d6	6.43	99	1555090	113.20	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1020499	79.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	289262	90.18	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1305442	72.68	ng	-0.02
78) Terphenyl-d14	12.89	244	861954	60.04	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.94	79	18415	2.12	ng	# 41
19) n-Nitroso-di-n-propylamine	7.36	70	138420	15.24	ng	# 77
49) Dimethylphthalate	9.55	163	169882	7.42	ng	98
56) 2,4-Dinitrotoluene	9.82	165	38511	6.39	ng	# 16
66) 4-Bromophenyl-phenylether	10.61	248	17641	3.50	ng	# 1
70) Phenanthrene	11.33	178	135123	5.26	ng	99
74) Fluoranthene	12.51	202	236692	9.13	ng	97
77) Pyrene	12.74	202	204518	8.97	ng	98
80) Benzo(a)anthracene	13.93	228	113601	6.74	ng	98
82) Chrysene	13.93	228	113601	6.20	ng	97
83) Bis(2-ethylhexyl)phthalate	13.93	149	35689	2.91	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.68	276	55699	4.10	ng	96
87) Benzo(b)fluoranthene	14.95	252	177953	9.00	ng	98
88) Benzo(k)fluoranthene	14.95	252	177953	8.63	ng	97
89) Benzo(a)pyrene	15.28	252	91477	4.90	ng	# 92
91) Benzo(g,h,i)perylene	17.08	276	49175	3.21	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF086479.D

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BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

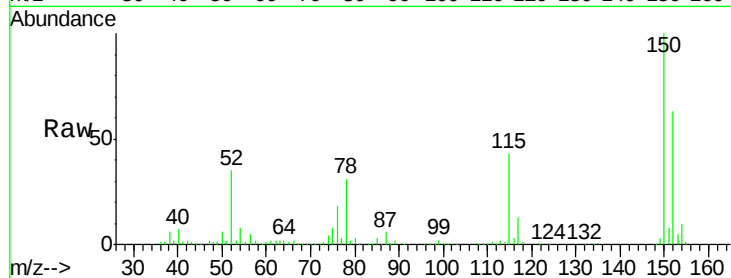
Tot Ion:152 Resp: 169771

Ion Ratio Lower Upper

152 100

150 158.5 125.8 188.6

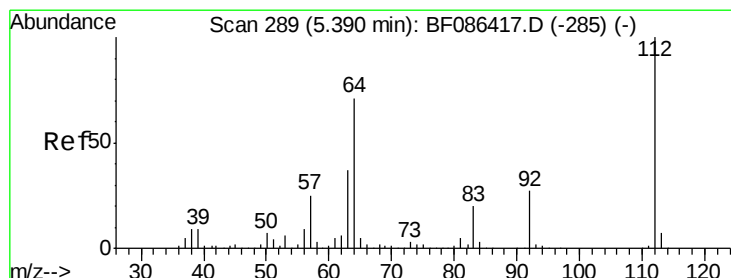
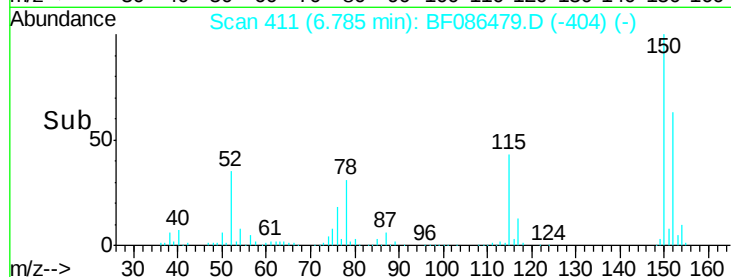
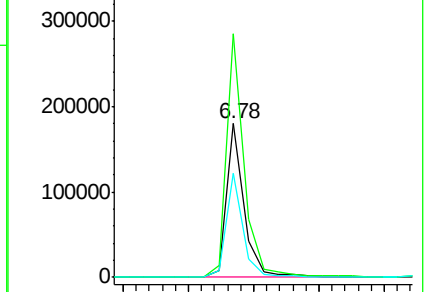
115 67.9 51.5 77.3



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: 115.42 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

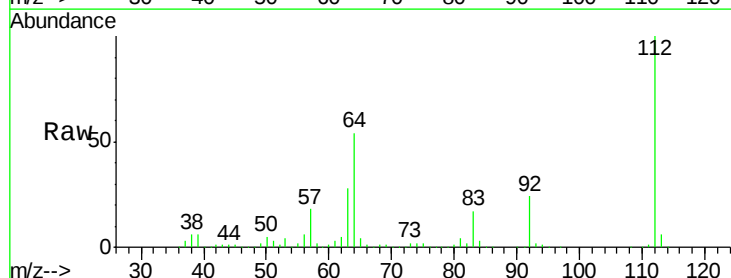
Tgt Ion:112 Resp: 1135987

Ion Ratio Lower Upper

112 100

64 53.5 52.1 78.1

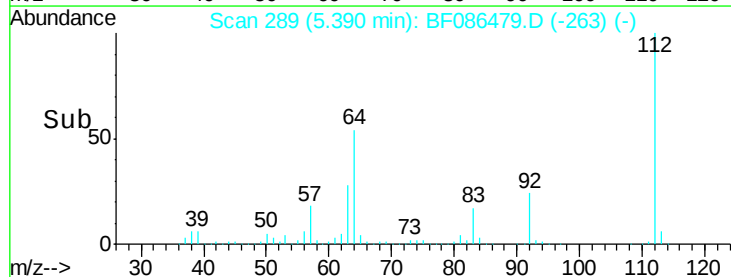
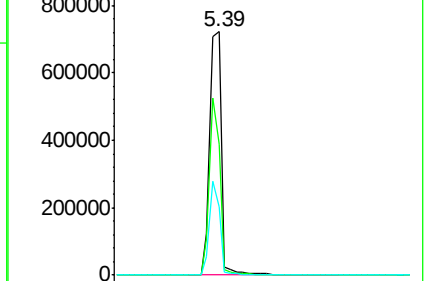
63 27.9 25.7 38.5

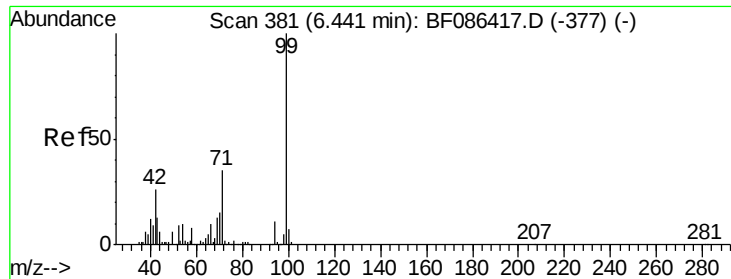


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.20 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

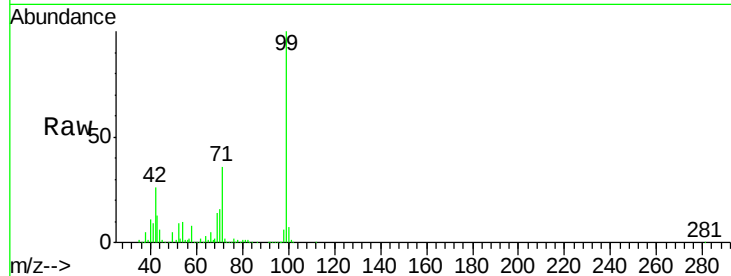
BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

Tot Ion: 99 Resp: 1555090

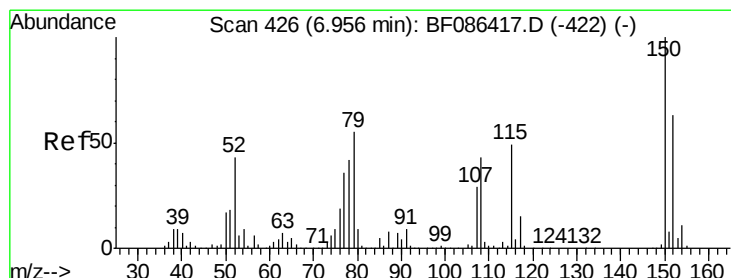
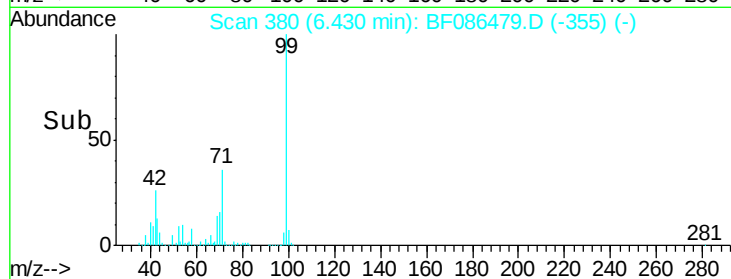
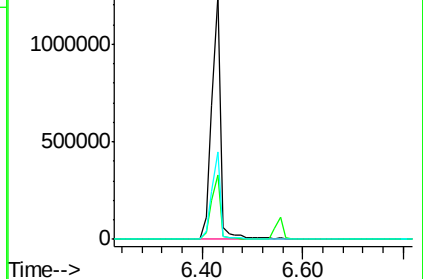
Ion	Ratio	Lower	Upper
99	100		
42	26.5	13.6	20.4#
71	36.0	24.6	36.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 6.94 min Scan# 425

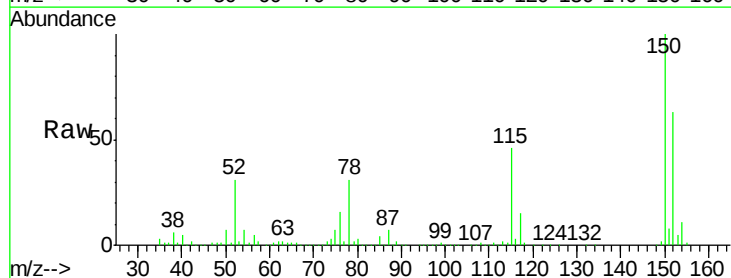
Delta R.T. -0.01 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Tgt Ion: 79 Resp: 18415

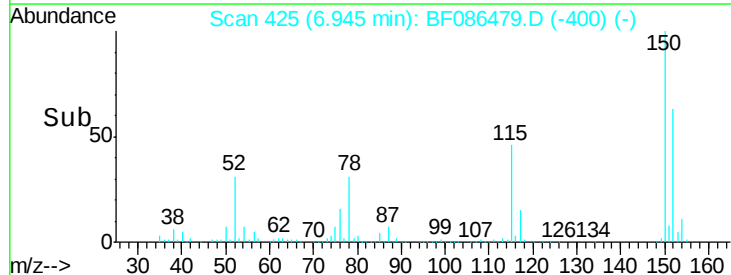
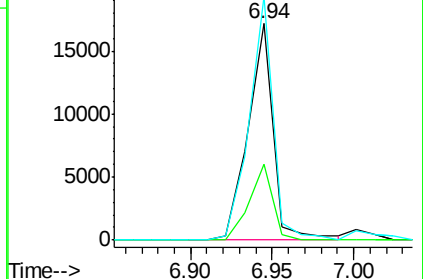
Ion	Ratio	Lower	Upper
79	100		
108	35.0	68.4	102.6#
77	112.4	50.6	76.0#

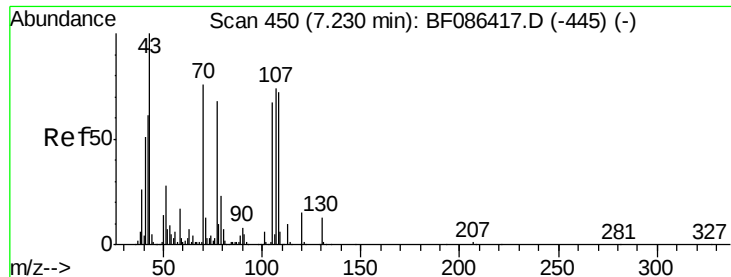


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

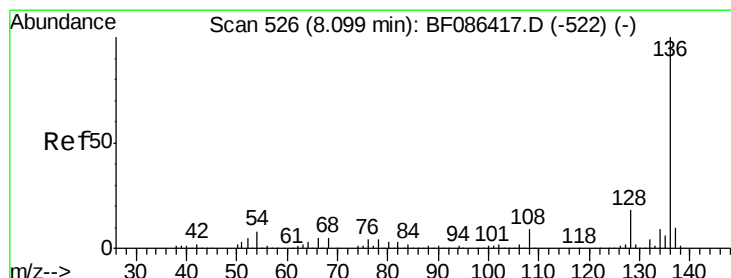
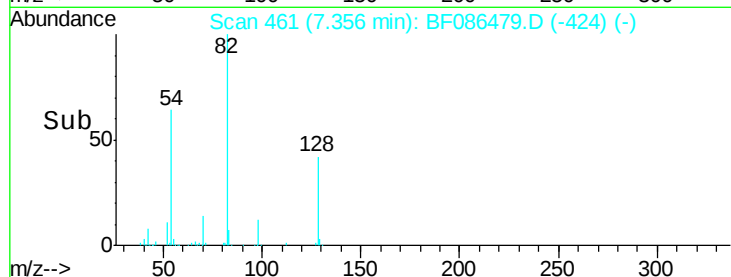
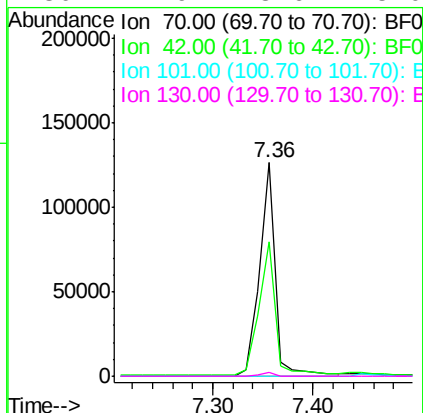
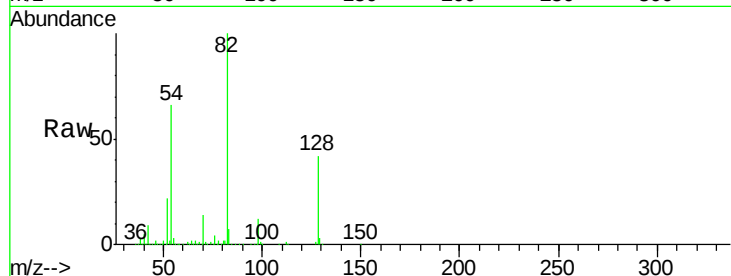




#19
n-Nitroso-di-n-propylamine
Concen: 15.24 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.13 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

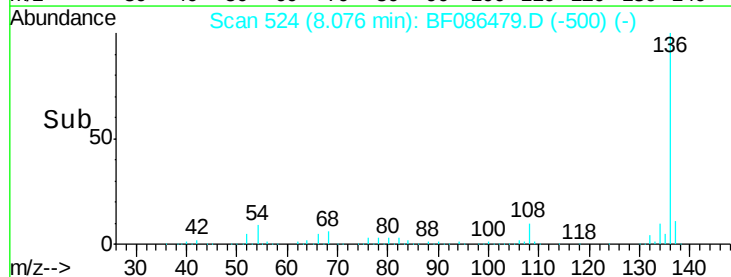
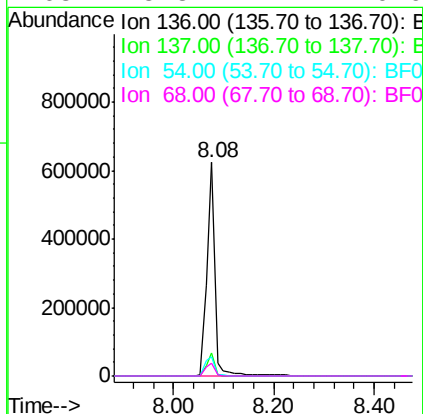
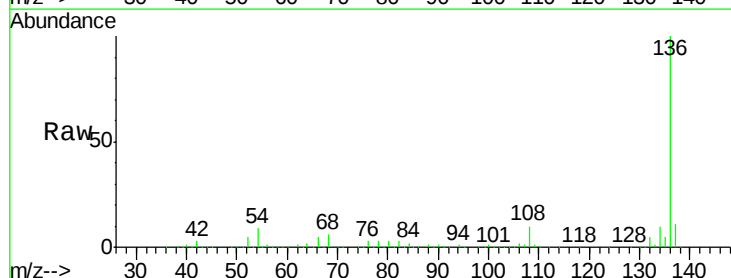
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-9(0-6FTBGS)

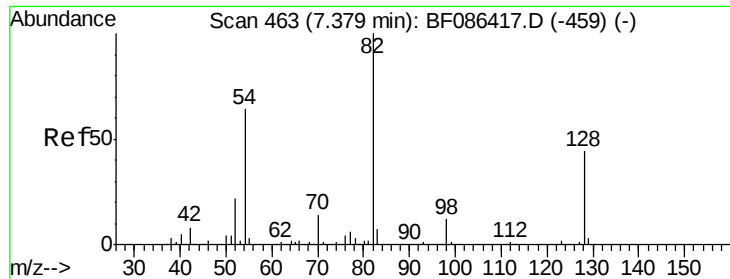
Tot Ion: 70 Resp: 138420
Ion Ratio Lower Upper
70 100
42 63.2 43.1 64.7
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Tgt Ion: 136 Resp: 693590
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.2 5.0 7.4#
68 5.8 4.4 6.6

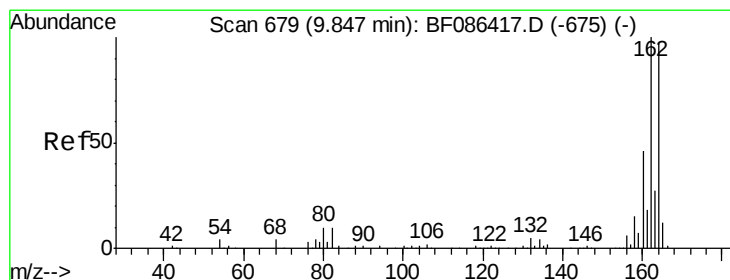
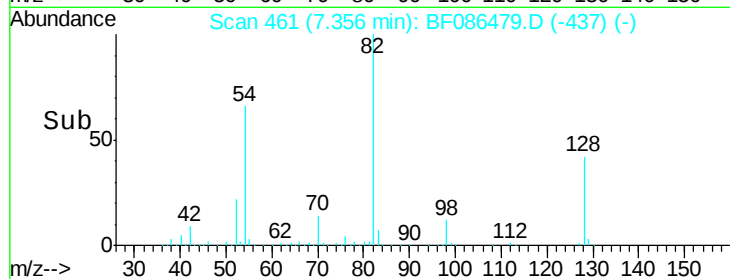
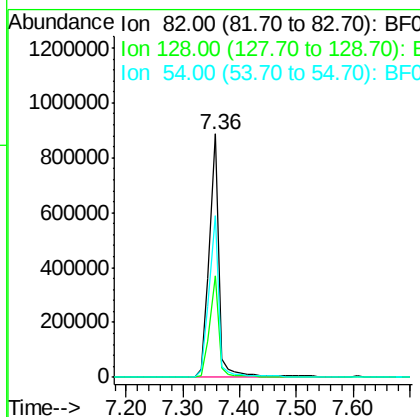
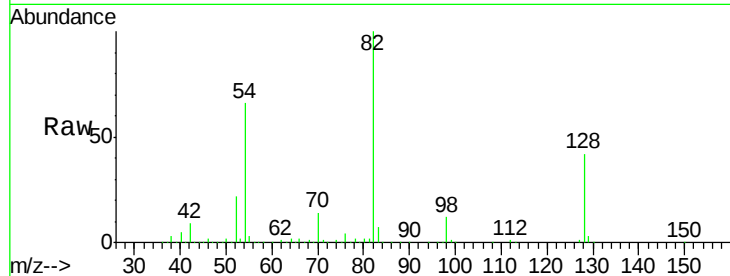




#23
Nitrobenzene-d5
Concen: 79.31 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

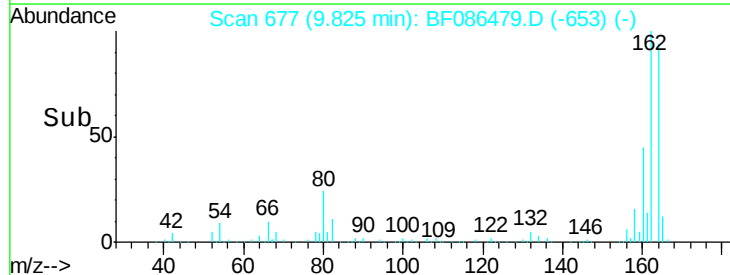
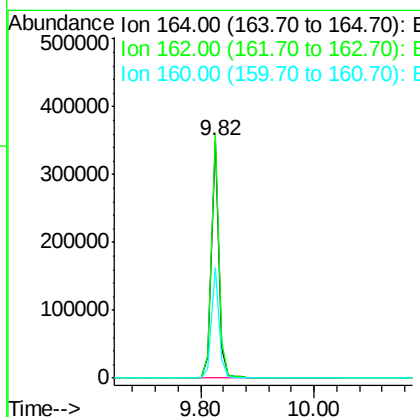
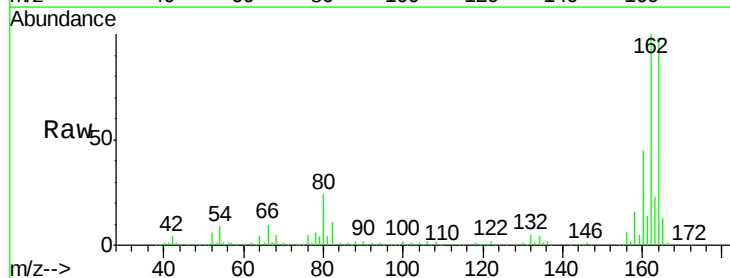
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-9(0-6FTBGS)

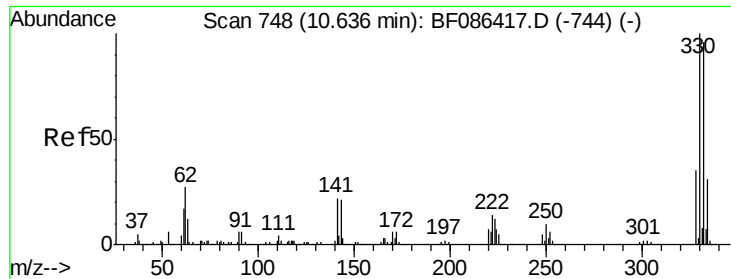
Tot Ion: 82 Resp: 1020499
Ion Ratio Lower Upper
82 100
128 41.8 40.6 61.0
54 66.4 38.1 57.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Tgt Ion:164 Resp: 304153
Ion Ratio Lower Upper
164 100
162 102.5 82.8 124.2
160 46.4 36.9 55.3

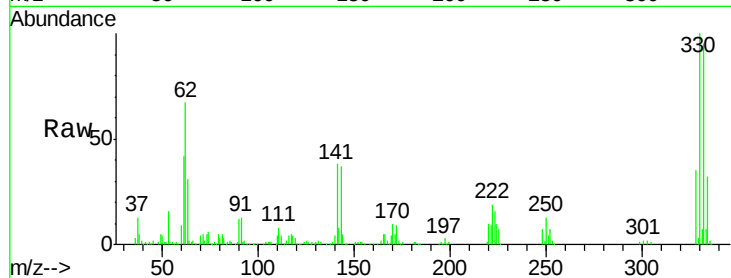




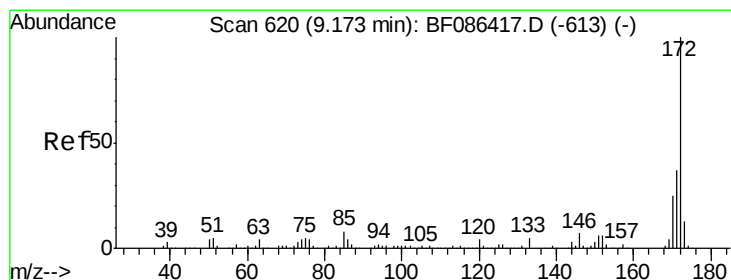
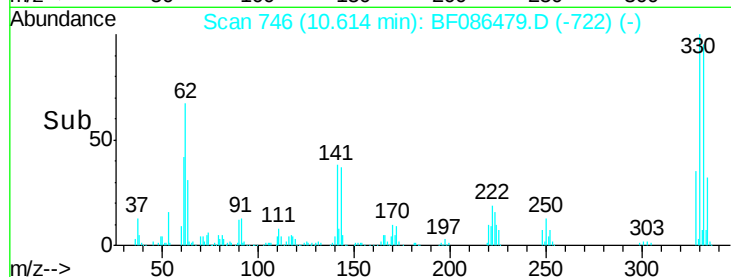
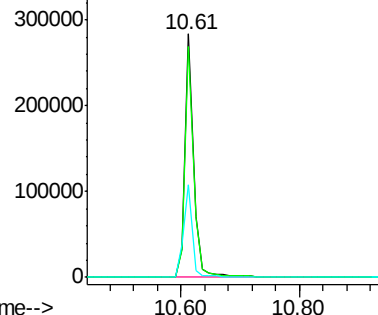
#41
 2,4,6-Tribromophenol
 Concen: 90.18 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086479.D
 Acq: 28 Apr 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-9(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	79.0	118.4
141	38.8	31.2	46.8

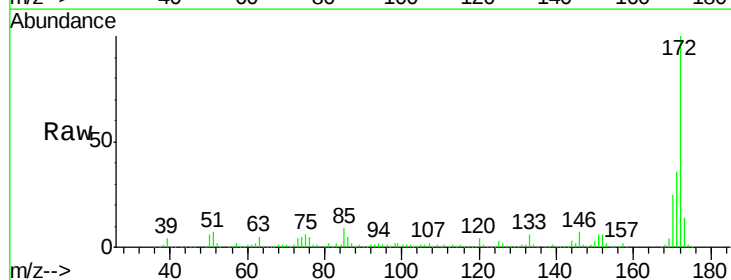


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

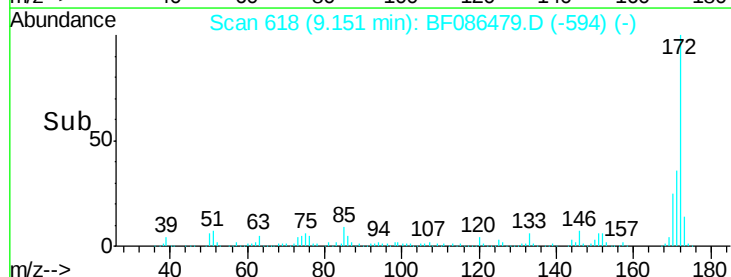
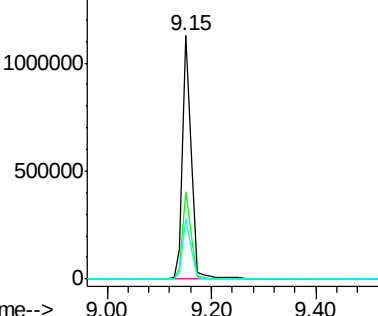


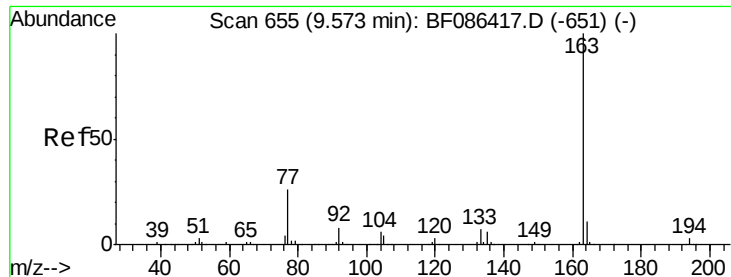
#44
 2-Fluorobiphenyl
 Concen: 72.68 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086479.D
 Acq: 28 Apr 2016 22:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.7	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

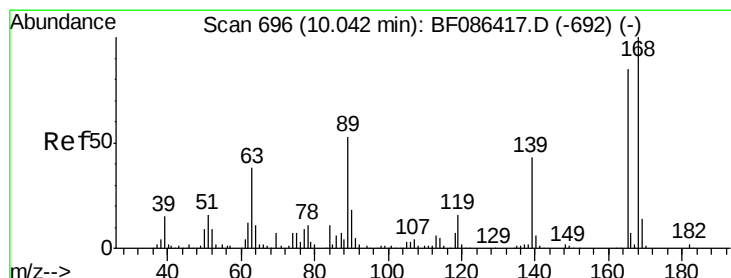
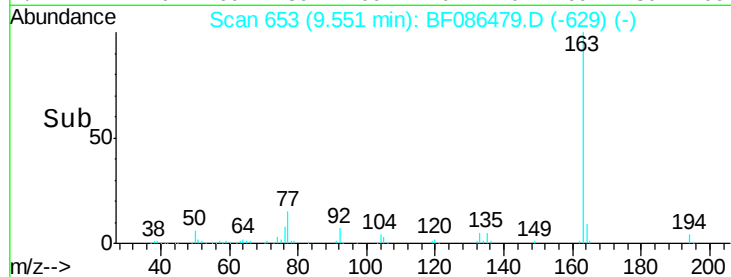
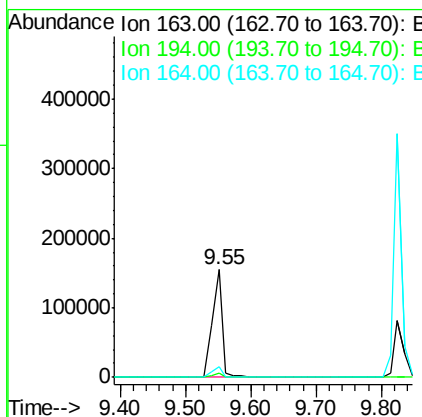
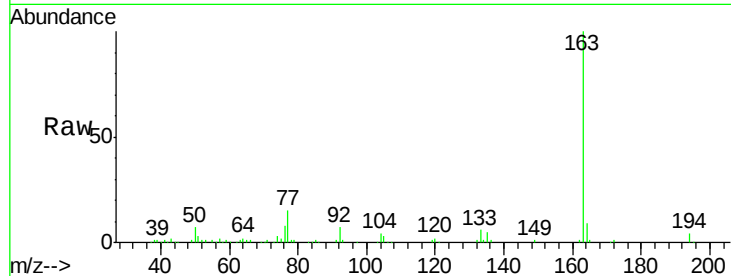




#49
Dimethylphthalate
Concen: 7.42 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

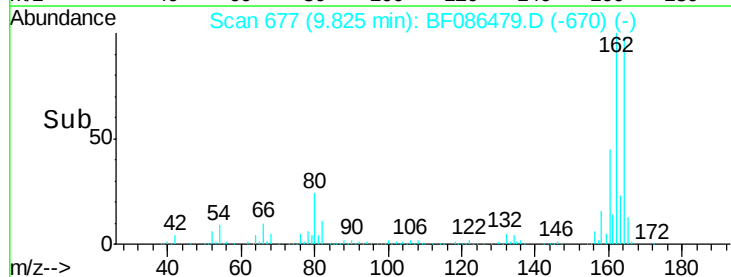
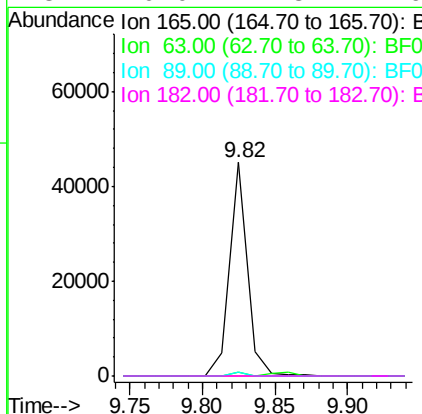
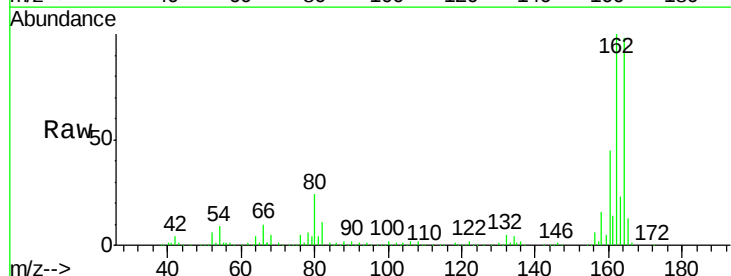
Instrument :
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26WARD-2A-CS-9(0-6FTBGS)

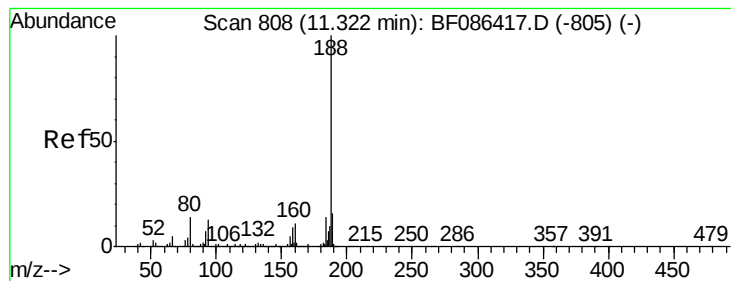
Tot Ion:163 Resp: 169882
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.4 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Tgt Ion:165 Resp: 38511
Ion Ratio Lower Upper
165 100
63 1.7 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: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

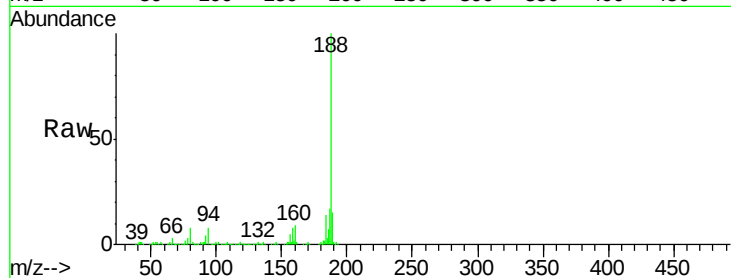
Tot Ion:188 Resp: 489161

Ion Ratio Lower Upper

188 100

94 7.7 6.8 10.2

80 7.9 7.1 10.7

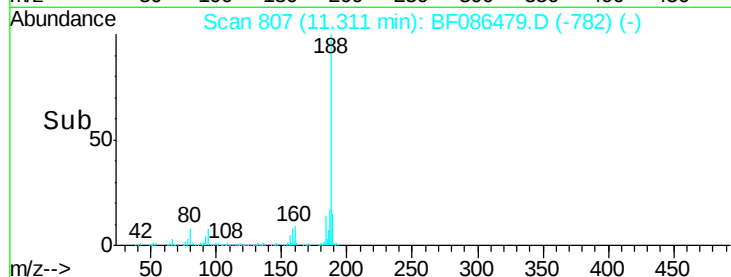


Abundance Ion 188.00 (187.70 to 188.70): E

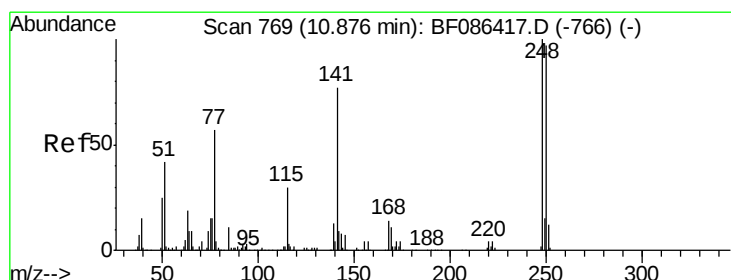
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.50 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

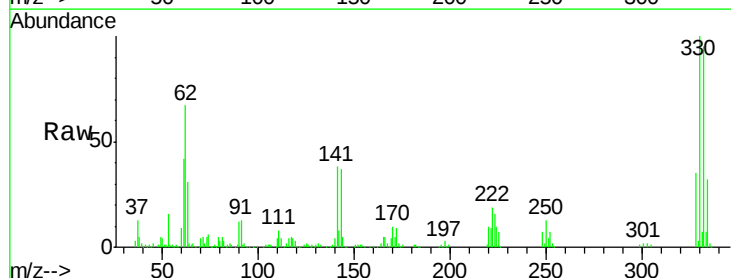
Tgt Ion:248 Resp: 17641

Ion Ratio Lower Upper

248 100

250 196.0 78.6 117.8#

141 556.8 76.0 114.0#

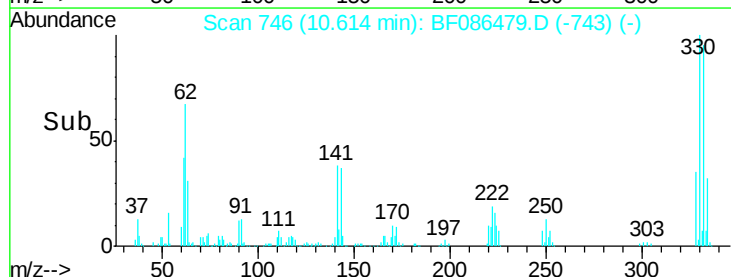


Abundance Ion 248.00 (247.70 to 248.70): E

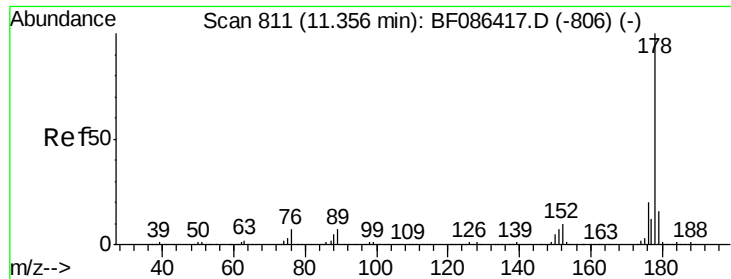
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



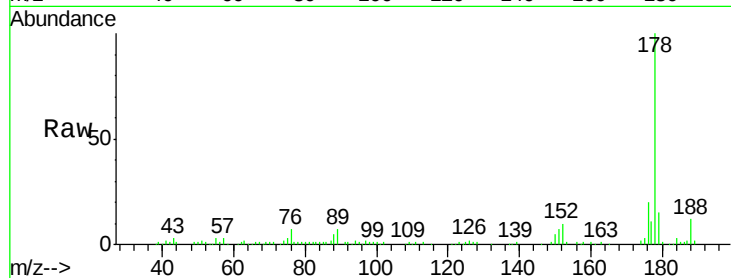
Time-->



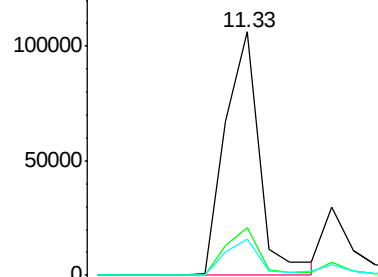
#70
Phenanthrene
Concen: 5.26 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-9(0-6FTBGS)

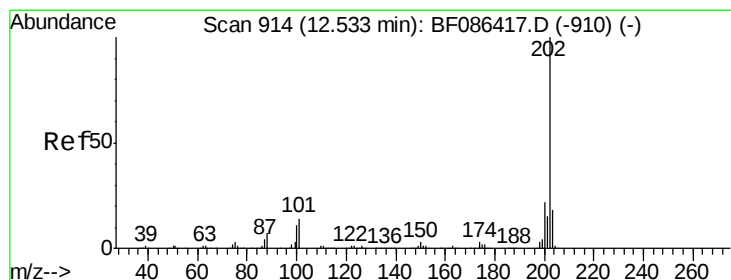
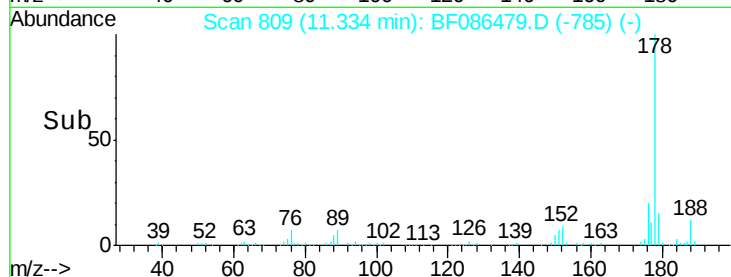
Tot Ion:178 Resp: 135123
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 14.7 12.6 18.8



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

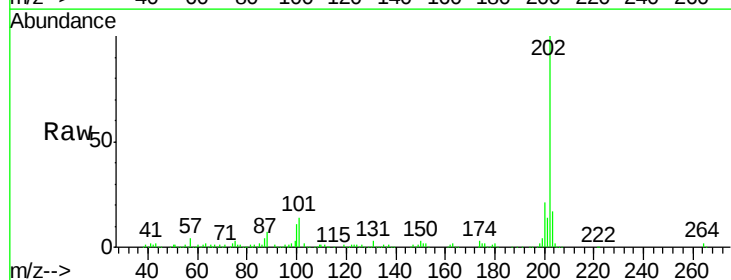


Time--> 11.25 11.30 11.35

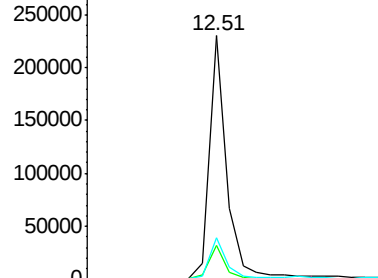


#74
Fluoranthene
Concen: 9.13 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

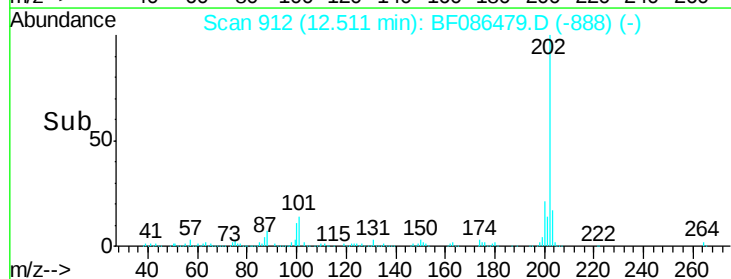
Tgt Ion:202 Resp: 236692
Ion Ratio Lower Upper
202 100
101 13.7 0.0 35.4
203 17.1 0.0 38.1

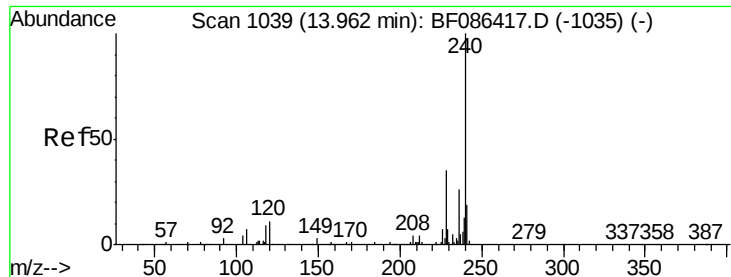


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.50 12.60





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

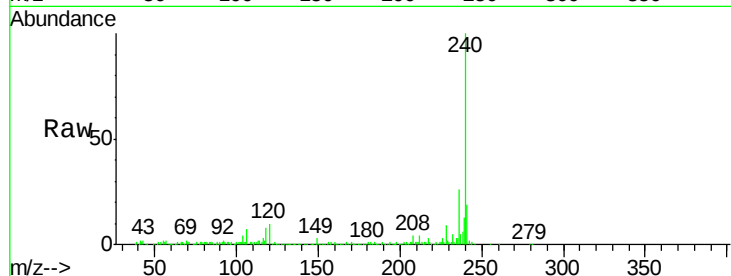
Tot Ion:240 Resp: 316297

Ion Ratio Lower Upper

240 100

120 9.9 11.2 16.8#

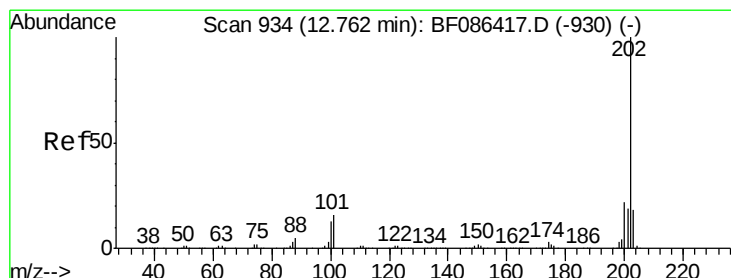
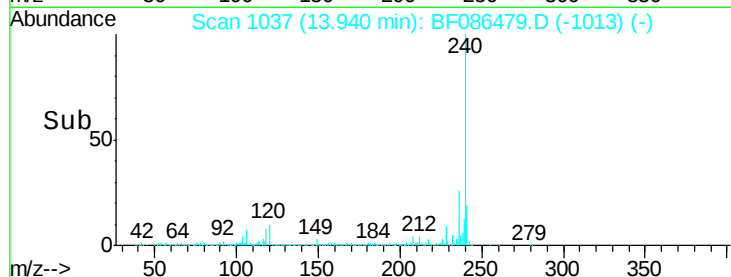
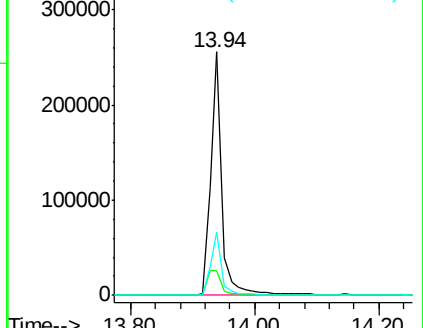
236 25.8 21.2 31.8



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: 8.97 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

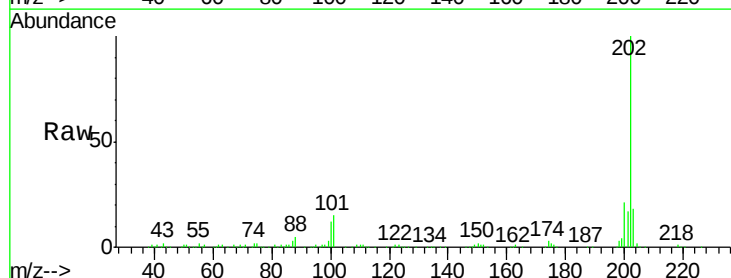
Tgt Ion:202 Resp: 204518

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

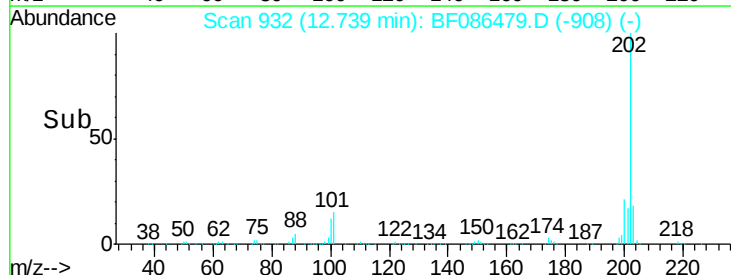
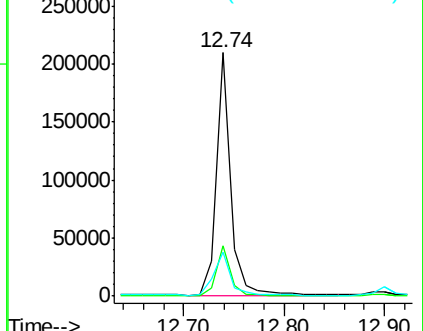
203 18.1 14.2 21.4

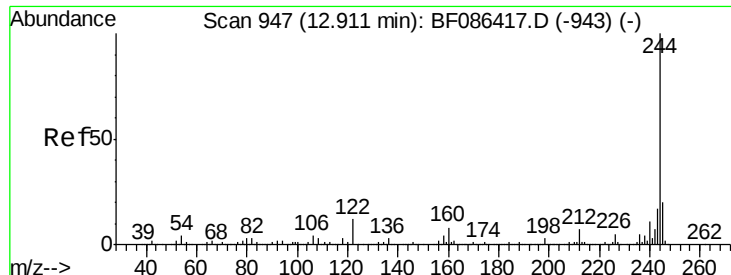


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.04 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

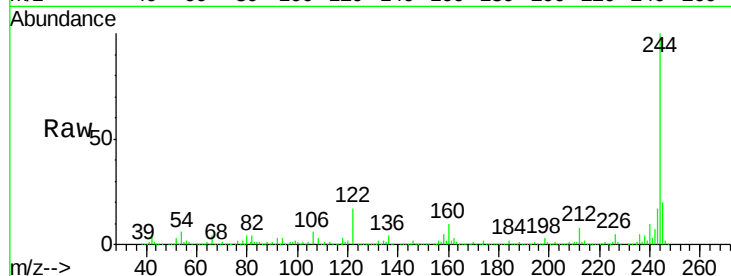
Tot Ion:244 Resp: 861954

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

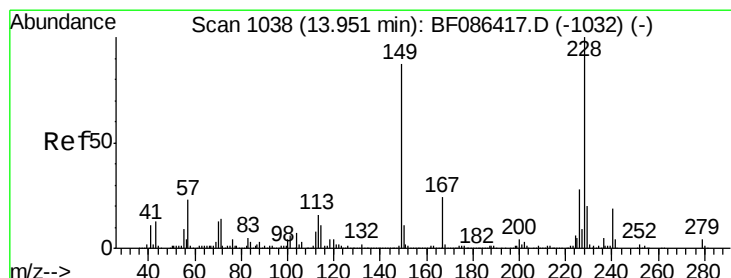
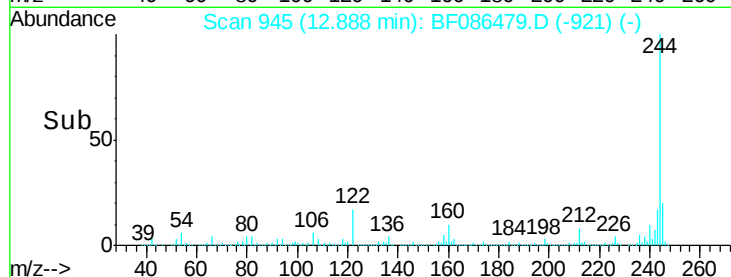
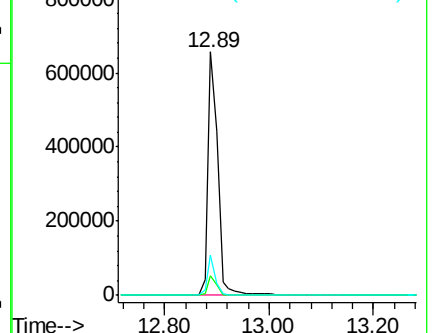
122 16.5 12.0 18.0



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: 6.74 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

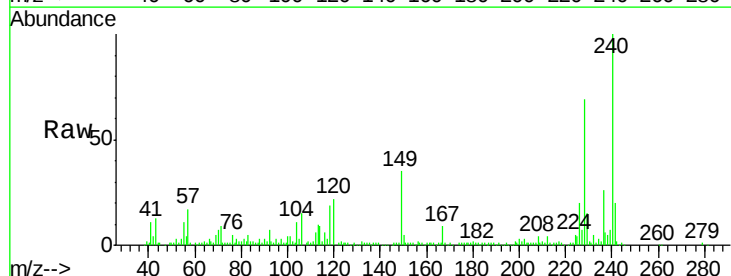
Tgt Ion:228 Resp: 113601

Ion Ratio Lower Upper

228 100

226 29.0 22.5 33.7

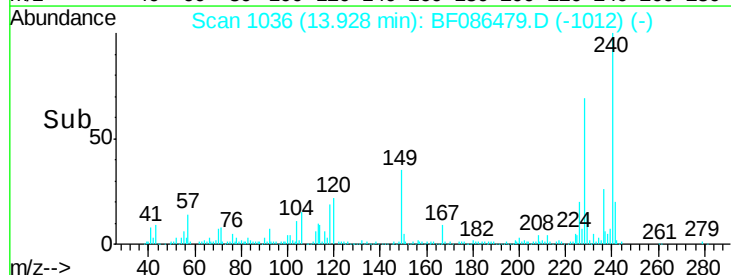
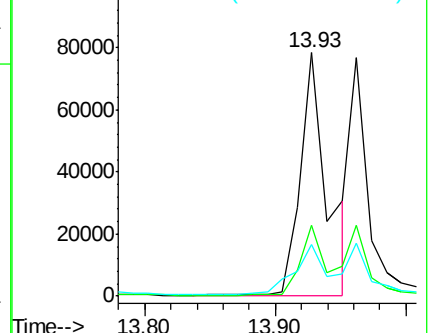
229 21.4 16.6 25.0

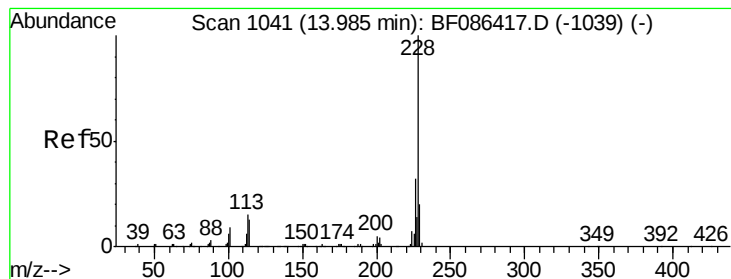


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.20 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

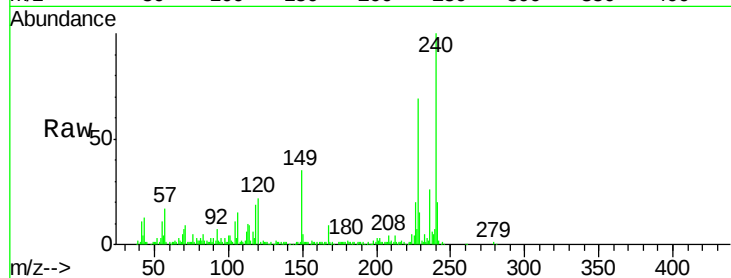
Tot Ion:228 Resp: 113601

Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

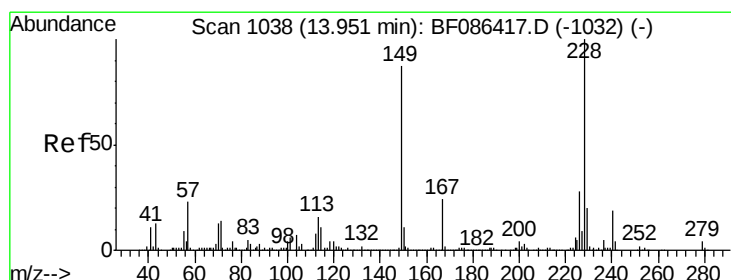
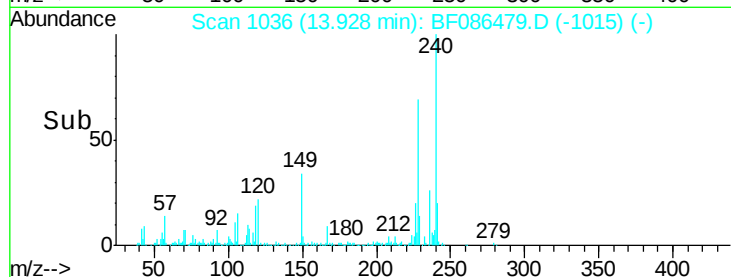
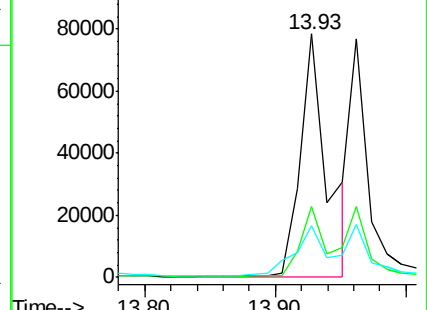
229 21.4 15.8 23.8



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: 2.91 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

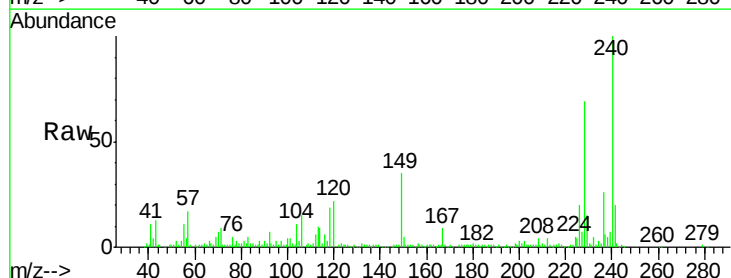
Tgt Ion:149 Resp: 35689

Ion Ratio Lower Upper

149 100

167 26.5 21.8 32.6

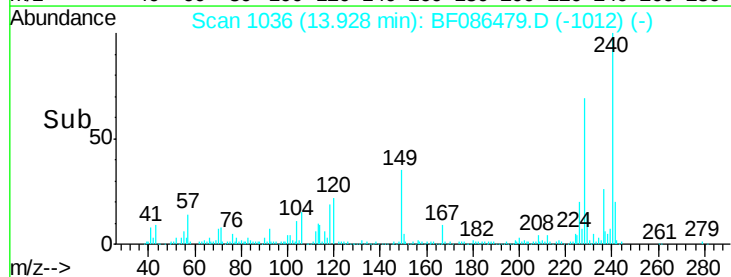
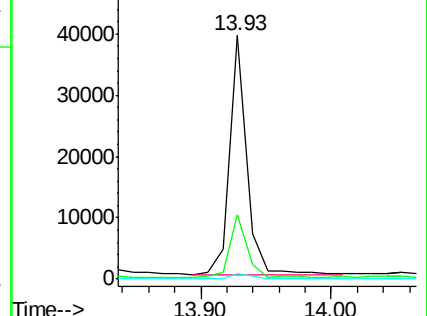
279 2.3 2.6 4.0#

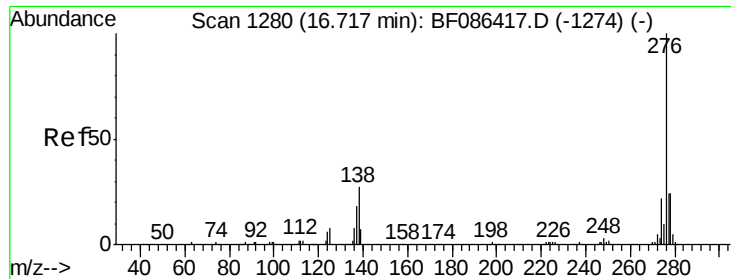


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

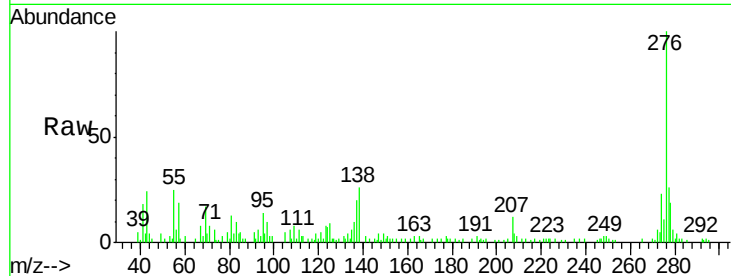




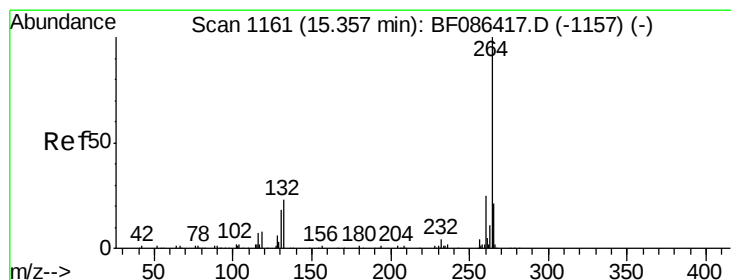
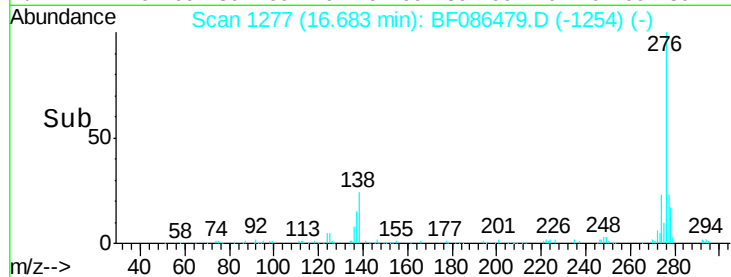
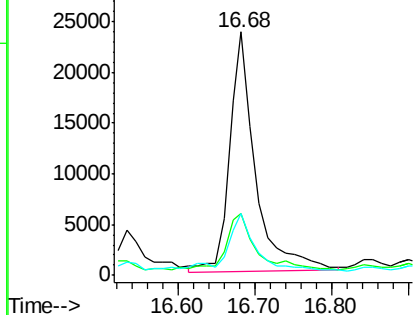
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.10 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.03 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-9(0-6FTBGS)

Tot Ion:276 Resp: 55699
Ion Ratio Lower Upper
276 100
138 28.9 25.6 38.4
277 27.1 20.5 30.7

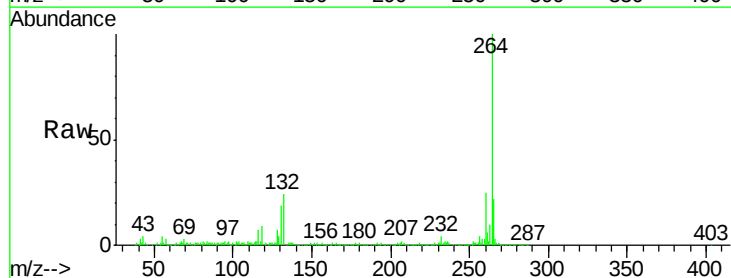


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

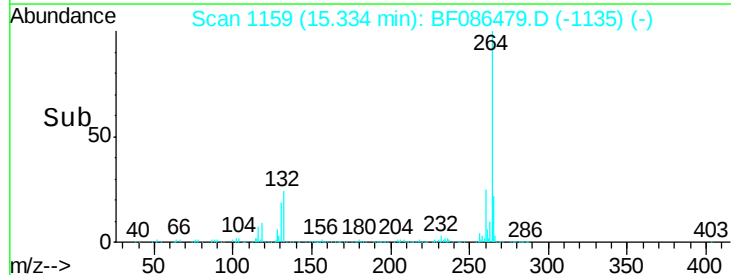
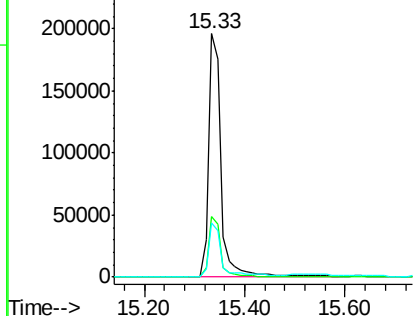


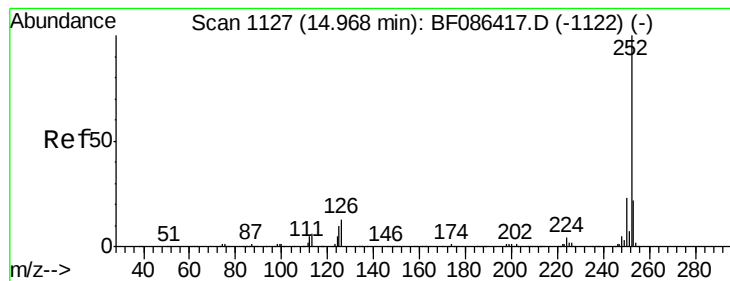
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF086479.D
Acq: 28 Apr 2016 22:51

Tgt Ion:264 Resp: 336236
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 22.3 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: 9.00 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

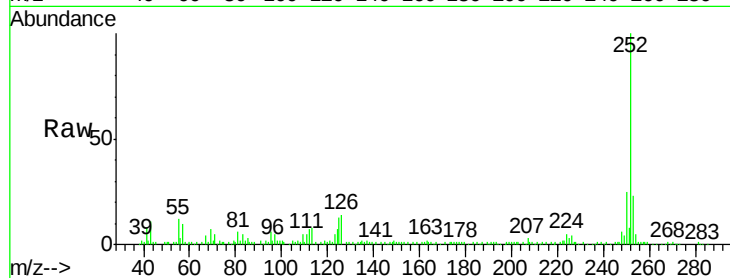
Tot Ion:252 Resp: 177953

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

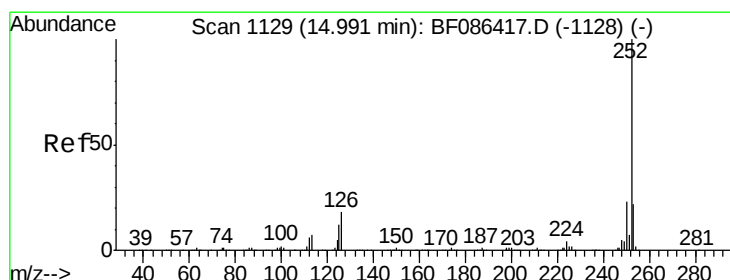
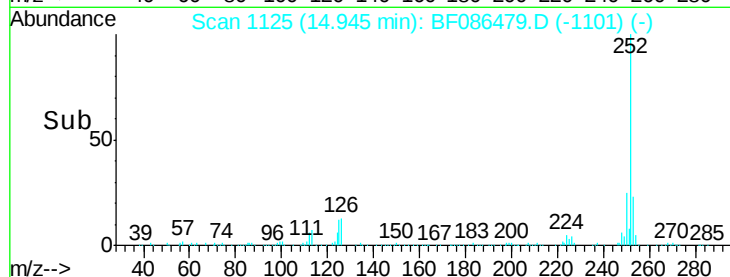
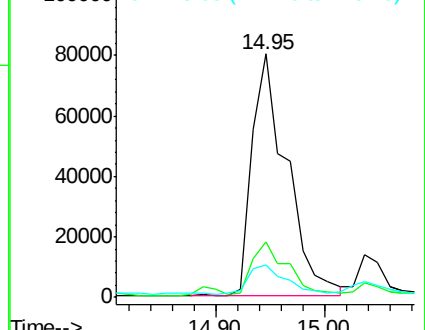
125 13.4 11.4 17.0



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: 8.63 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.05 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

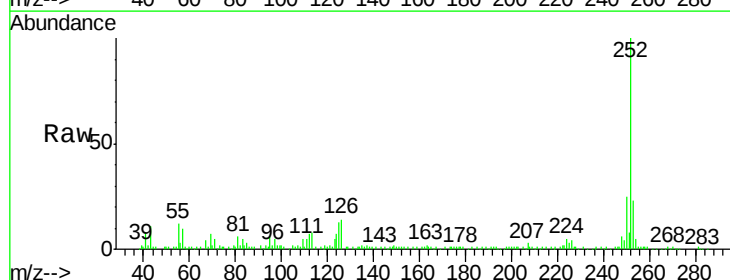
Tgt Ion:252 Resp: 177953

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

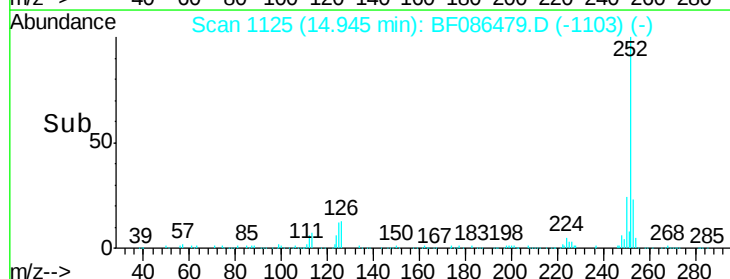
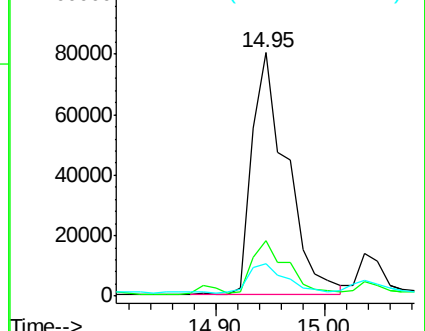
125 13.4 9.1 13.7

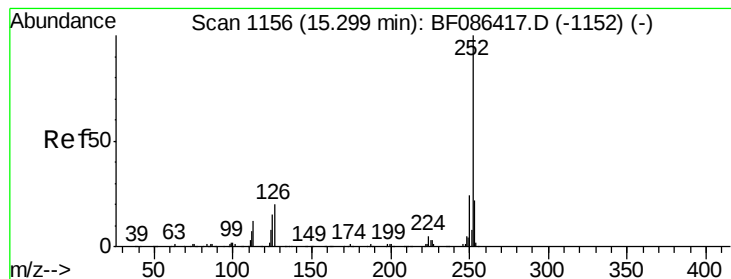


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.90 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-9(0-6FTBGS)

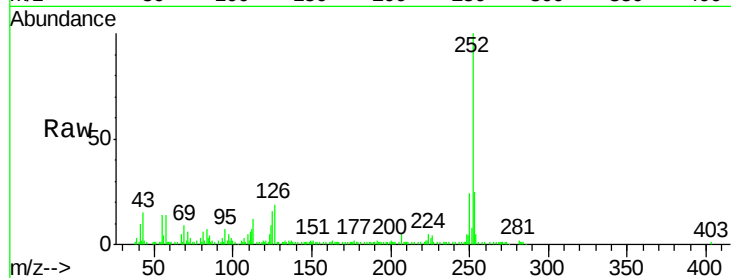
Tot Ion:252 Resp: 91477

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

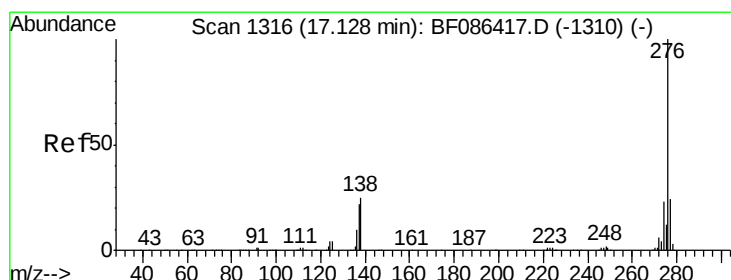
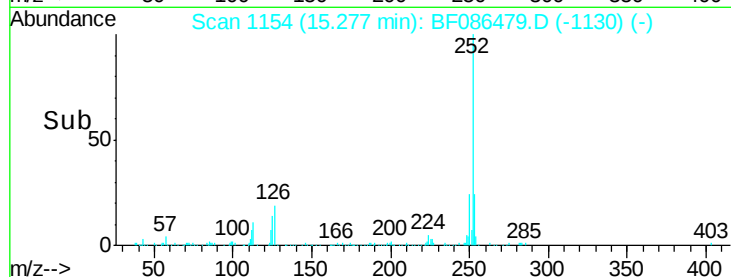
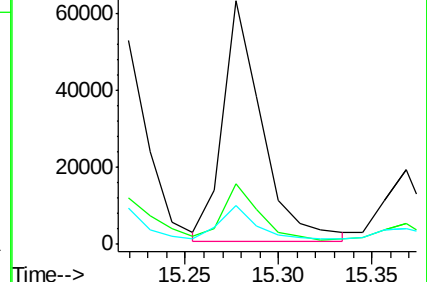
125 15.8 9.0 13.6#



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



#91

Benzo(g,h,i)perylene

Concen: 3.21 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BF086479.D

Acq: 28 Apr 2016 22:51

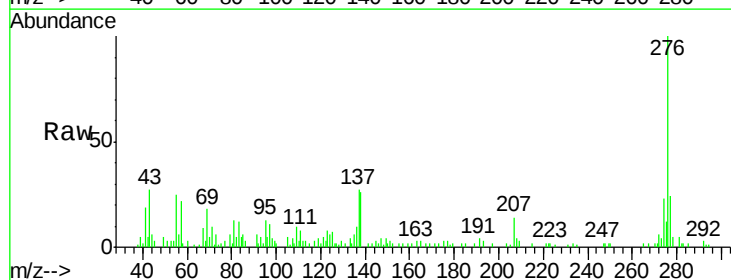
Tgt Ion:276 Resp: 49175

Ion Ratio Lower Upper

276 100

277 24.5 19.6 29.4

138 26.2 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

