

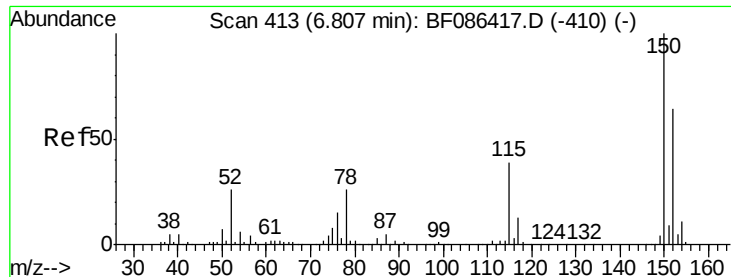
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086483.D
 Acq On : 29 Apr 2016 00:46
 Operator : UM/SJ
 Sample : H2654-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Apr 29 08:56:29 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	145592	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	608044	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	249995	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	380543	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	308662	20.00	ng	-0.02
86) Perylene-d12	15.35	264	278362	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	864319	102.40	ng	0.00
7) Phenol-d6	6.43	99	1201463	101.99	ng	-0.01
23) Nitrobenzene-d5	7.36	82	800062	70.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	193492	73.39	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1075971	72.94	ng	-0.02
78) Terphenyl-d14	12.89	244	698050	49.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	106237	13.64	ng	# 78
25) Isophorone	7.36	82	587512	27.06	ng	# 68
49) Dimethylphthalate	9.55	163	231136	12.28	ng	99
56) 2,4-Dinitrotoluene	9.82	165	31531	6.36	ng	# 16
66) 4-Bromophenyl-phenylether	10.61	248	11503	2.93	ng	# 1
70) Phenanthrene	11.33	178	81542	4.08	ng	97
74) Fluoranthene	12.51	202	138634	6.88	ng	98
77) Pyrene	12.74	202	128821	5.79	ng	98
80) Benzo(a)anthracene	13.93	228	74142	4.51	ng	99
82) Chrysene	13.96	228	56463	3.16	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	29137	2.20	ng	97
87) Benzo(b)fluoranthene	14.95	252	100938	6.16	ng	# 96
88) Benzo(k)fluoranthene	14.95	252	99939	5.85	ng	# 93
89) Benzo(a)pyrene	15.28	252	50092	3.24	ng	# 88

(#) = 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: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

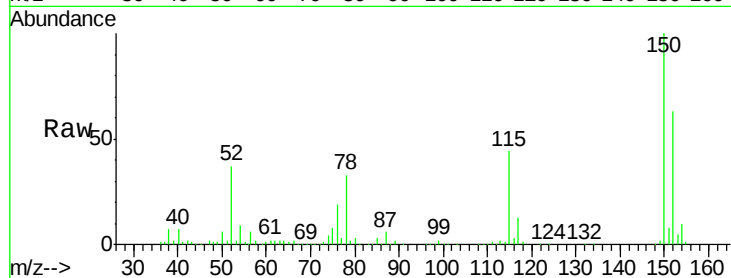
Tot Ion:152 Resp: 145592

Ion Ratio Lower Upper

152 100

150 159.6 125.8 188.6

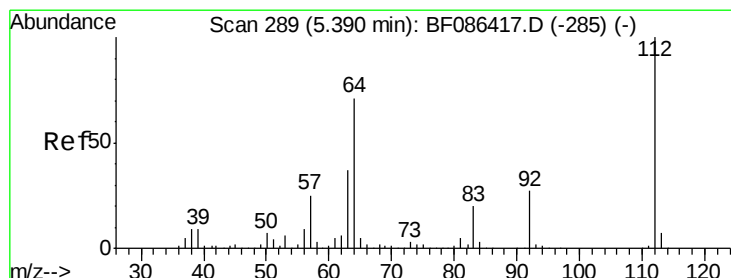
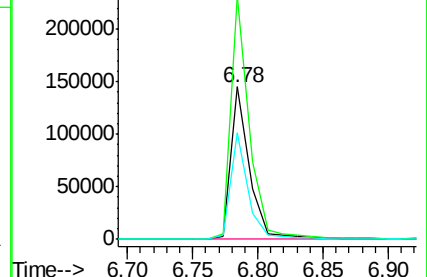
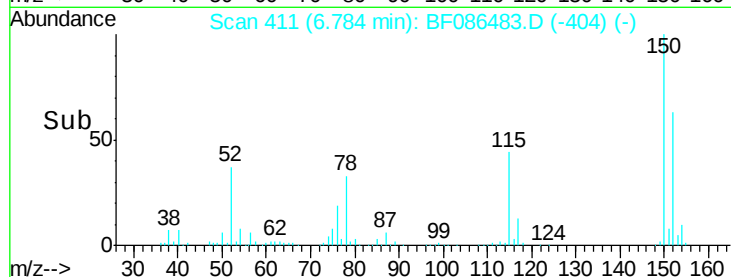
115 69.9 51.5 77.3



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: 102.40 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

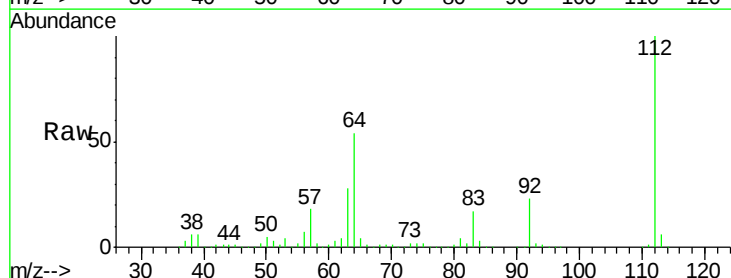
Tgt Ion:112 Resp: 864319

Ion Ratio Lower Upper

112 100

64 54.2 52.1 78.1

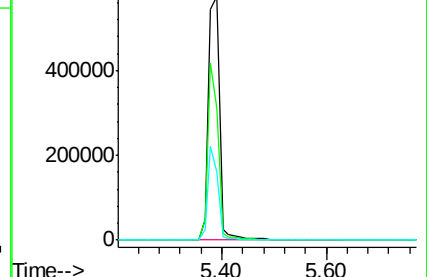
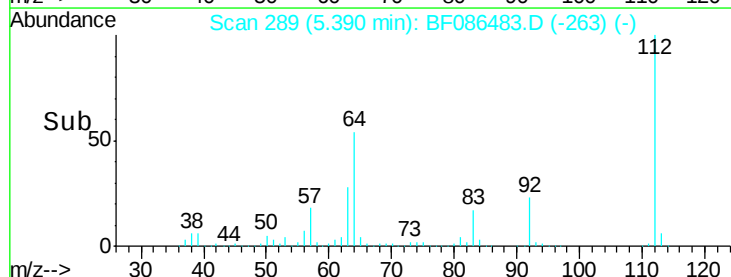
63 28.2 25.7 38.5

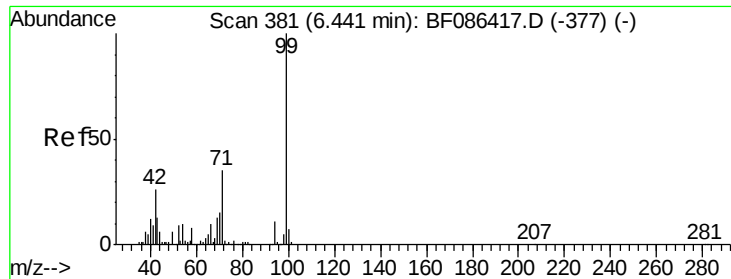


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.99 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

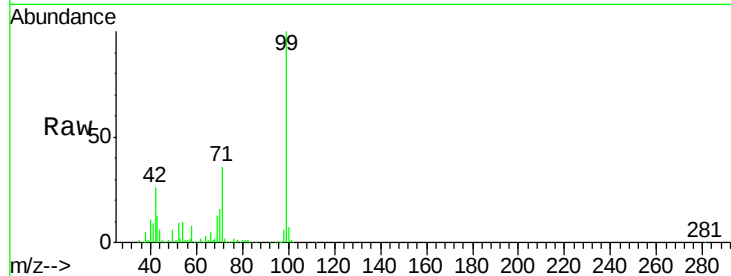
Tot Ion: 99 Resp: 1201463

Ion Ratio Lower Upper

99 100

42 26.4 13.6 20.4#

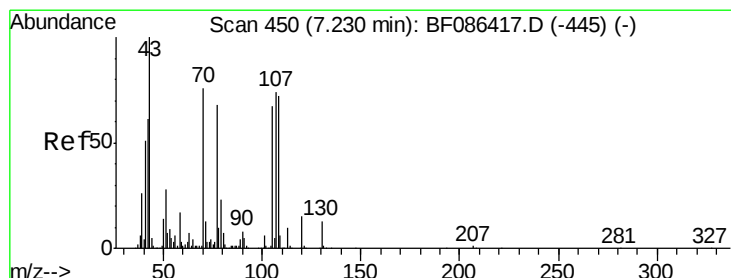
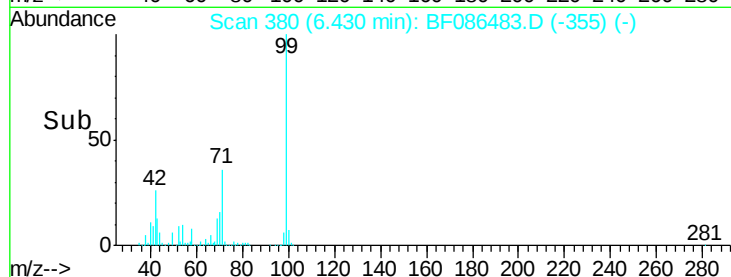
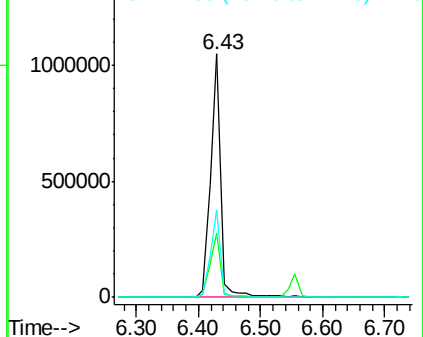
71 35.7 24.6 36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.64 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.13 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Tgt Ion: 70 Resp: 106237

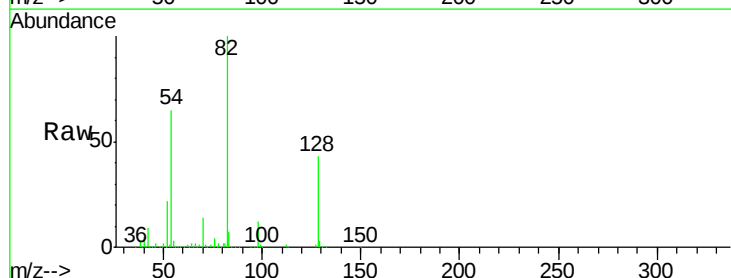
Ion Ratio Lower Upper

70 100

42 62.7 43.1 64.7

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

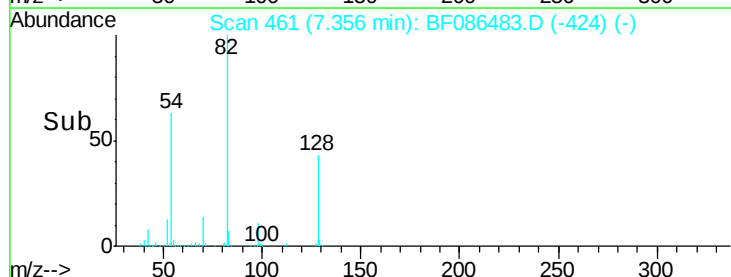
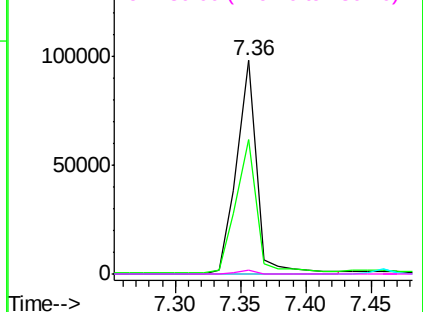


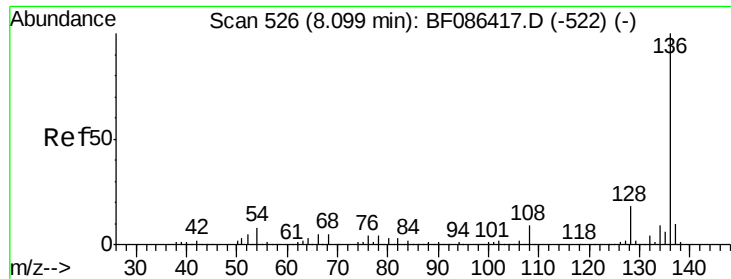
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

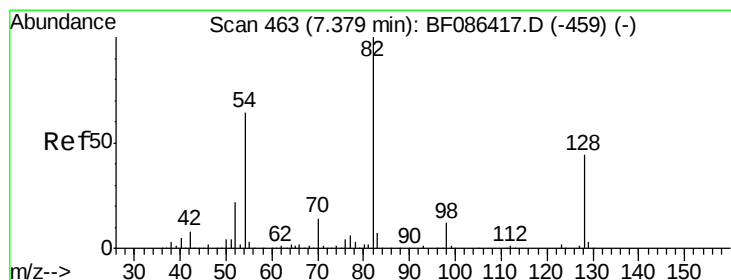
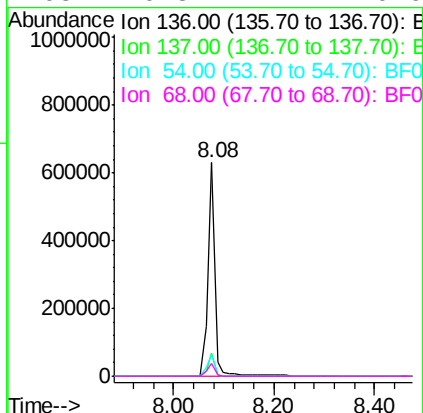
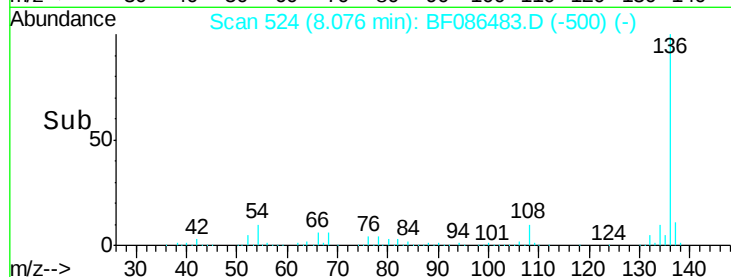
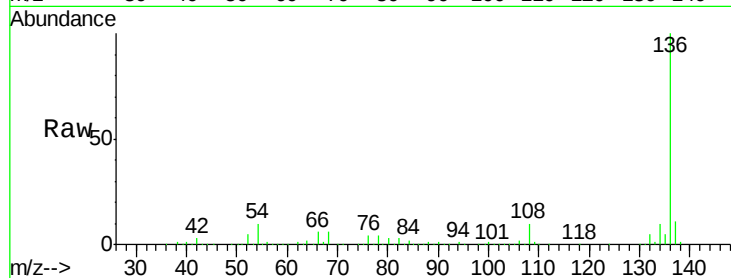




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

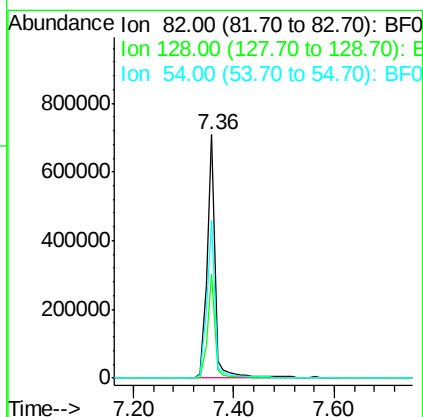
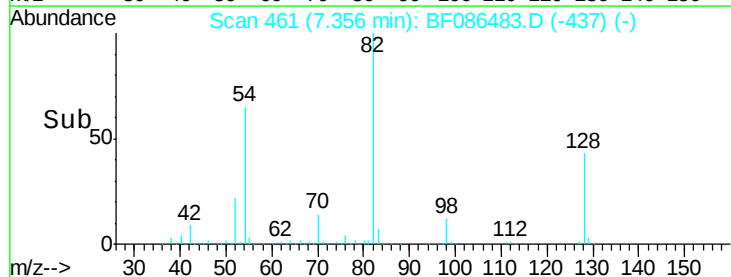
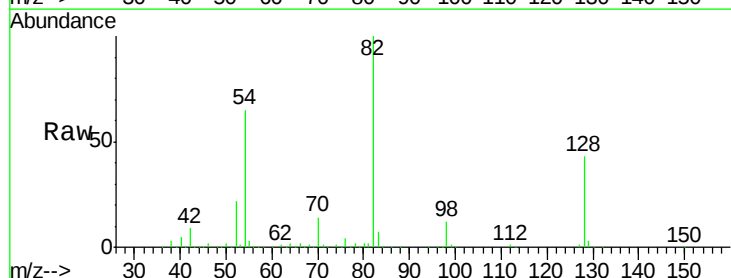
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-6(0-6FTBGS)

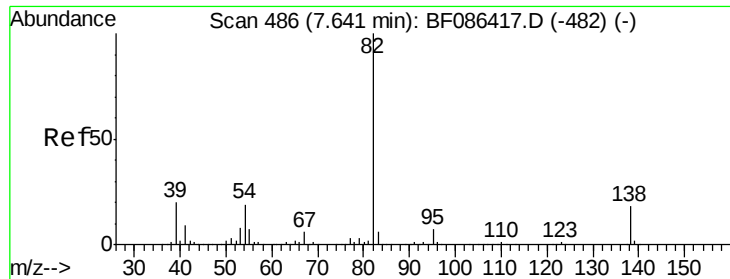
Tot Ion:136	Resp:	608044
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	10.3	5.0 7.4#
68	6.3	4.4 6.6



#23
Nitrobenzene-d5
Concen: 70.92 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

Tgt Ion: 82	Resp:	800062
Ion Ratio	Lower	Upper
82	100	
128	42.8	40.6 61.0
54	64.8	38.1 57.1#





#25

Isophorone

Concen: 27.06 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.29 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

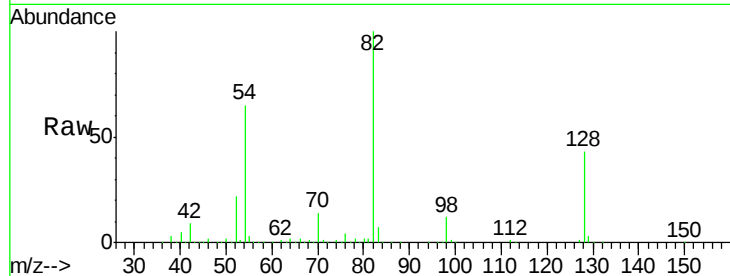
Tot Ion: 82 Resp: 587512

Ion Ratio Lower Upper

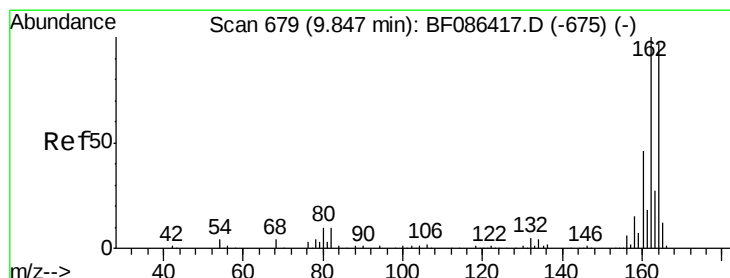
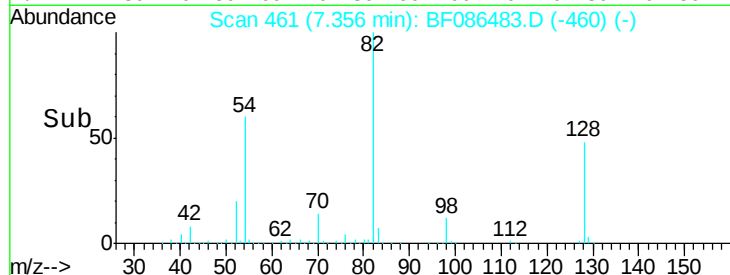
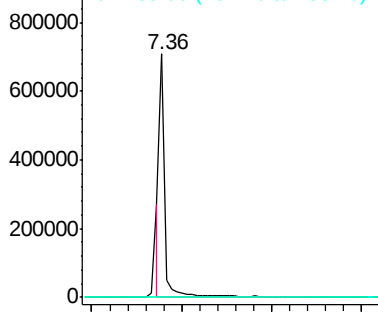
82 100

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: 9.82 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

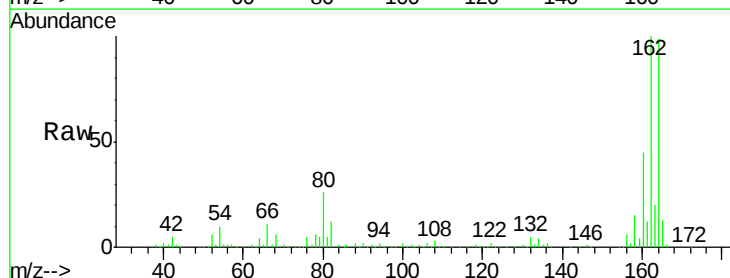
Tgt Ion:164 Resp: 249995

Ion Ratio Lower Upper

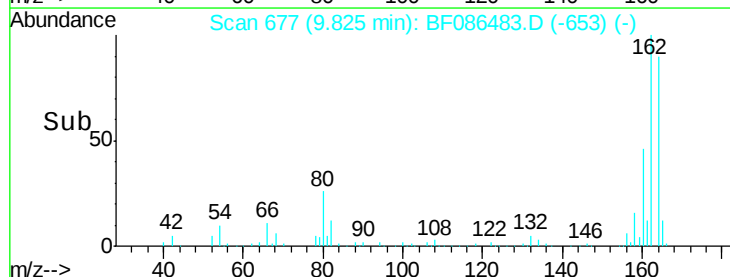
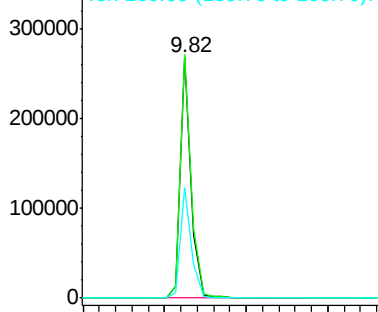
164 100

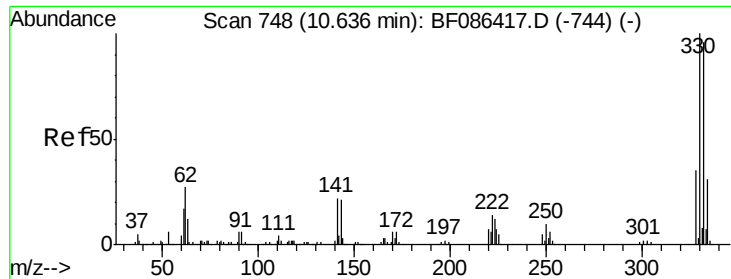
162 101.2 82.8 124.2

160 45.7 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

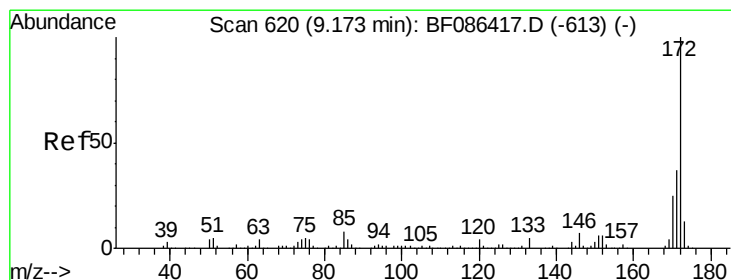
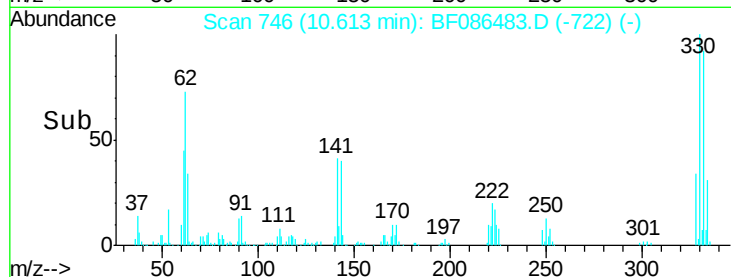
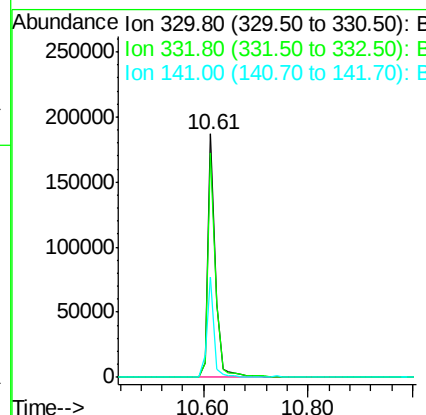
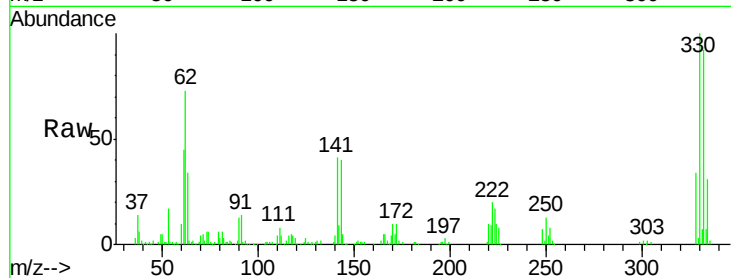




#41
 2,4,6-Tribromophenol
 Concen: 73.39 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086483.D
 Acq: 29 Apr 2016 00:46

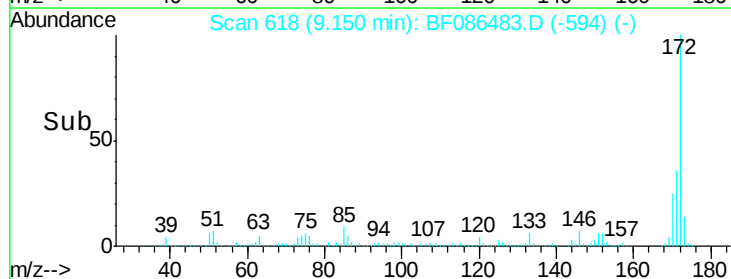
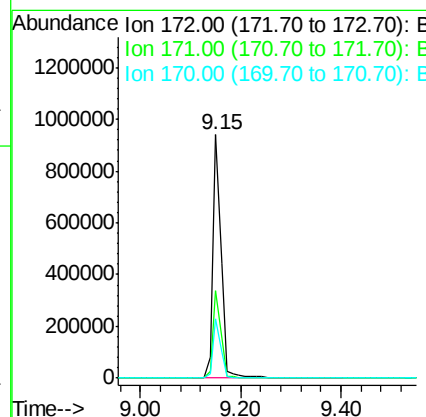
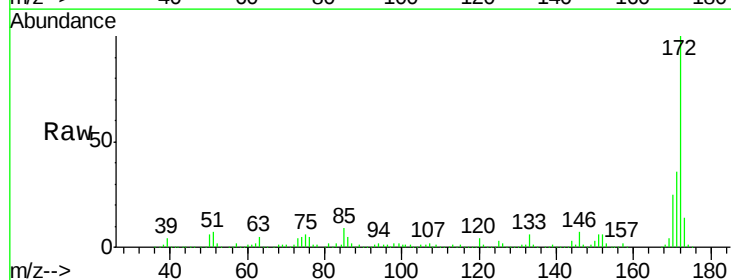
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-6(0-6FTBGS)

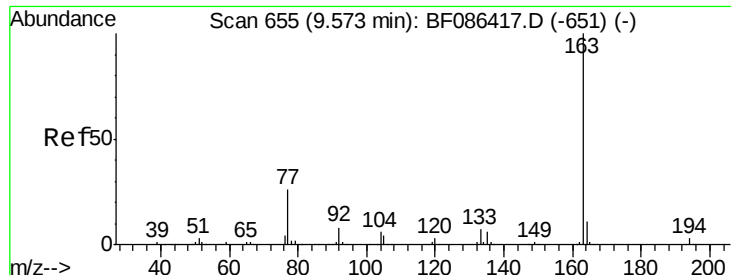
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	79.0	118.4
141	38.6	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 72.94 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086483.D
 Acq: 29 Apr 2016 00:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.5	19.8	29.8

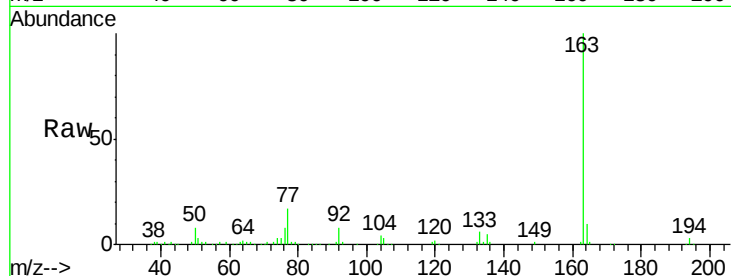




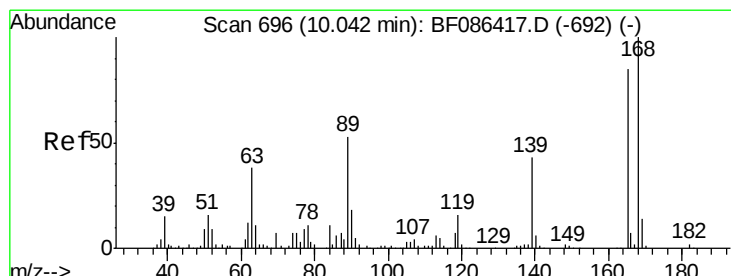
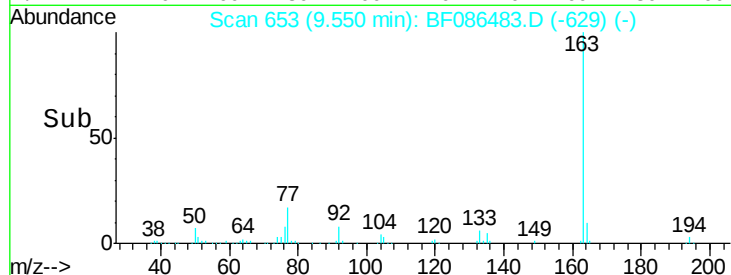
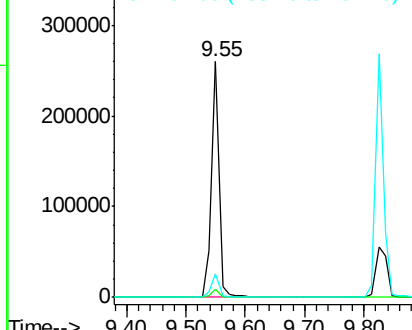
#49
Dimethylphthalate
Concen: 12.28 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

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

Tot Ion:163 Resp: 231136
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.2 12.4

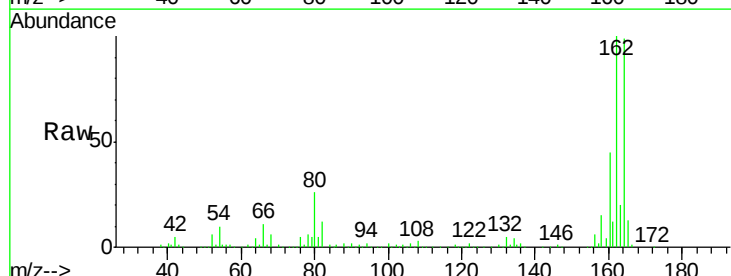


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

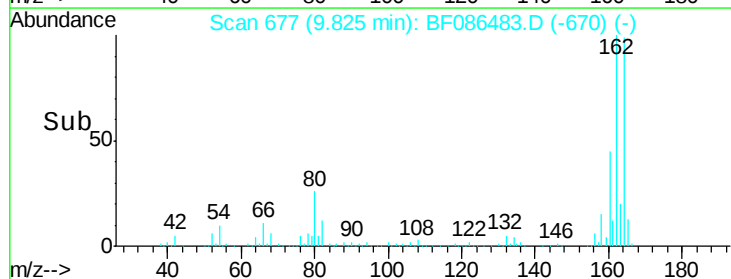
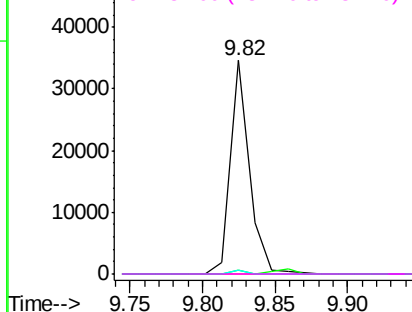


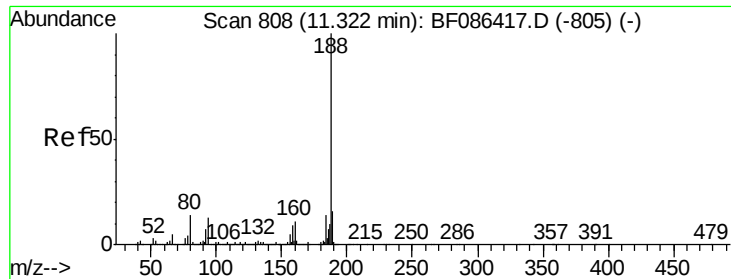
#56
2,4-Dinitrotoluene
Concen: 6.36 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

Tgt Ion:165 Resp: 31531
Ion Ratio Lower Upper
165 100
63 1.7 44.3 66.5#
89 1.8 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: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

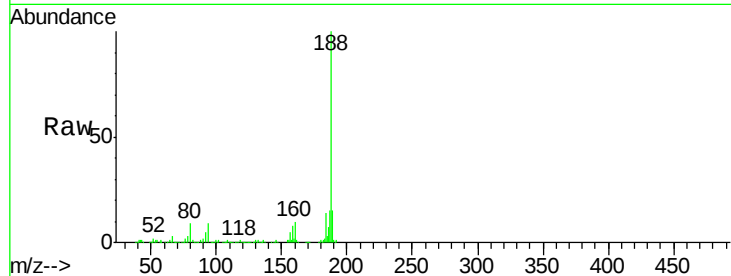
Tot Ion:188 Resp: 380543

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

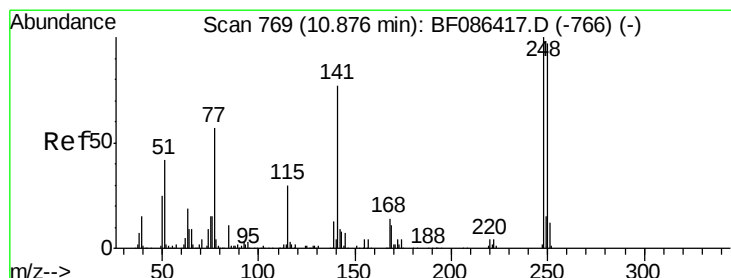
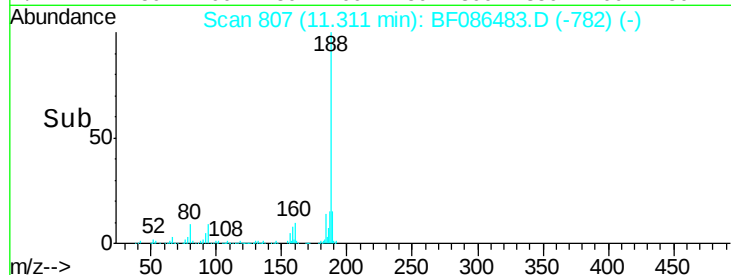
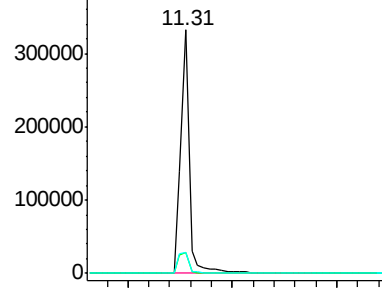
80 8.6 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 2.93 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

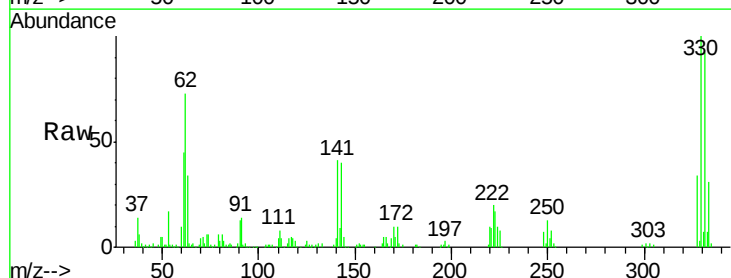
Tgt Ion:248 Resp: 11503

Ion Ratio Lower Upper

248 100

250 198.9 78.6 117.8#

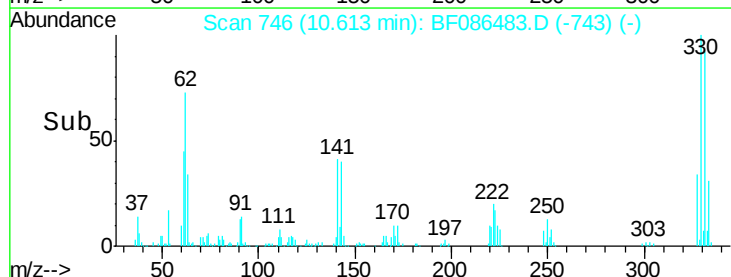
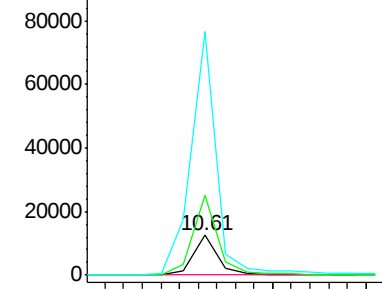
141 610.8 76.0 114.0#

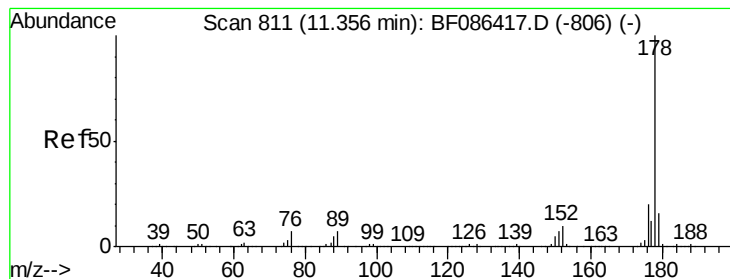


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.08 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

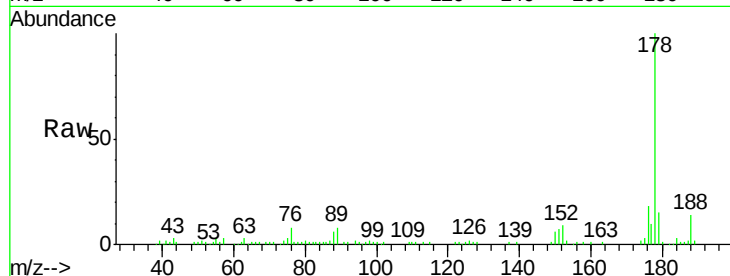
Tot Ion:178 Resp: 81542

Ion Ratio Lower Upper

178 100

176 18.2 16.0 24.0

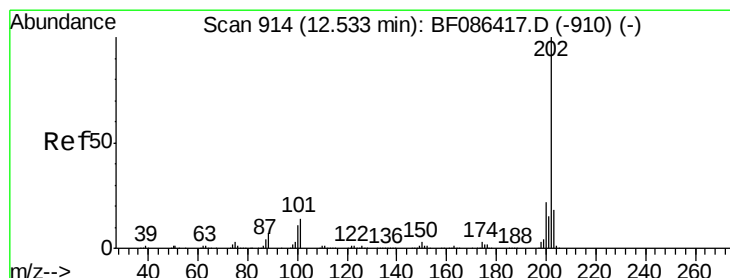
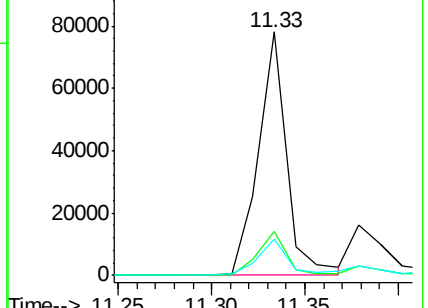
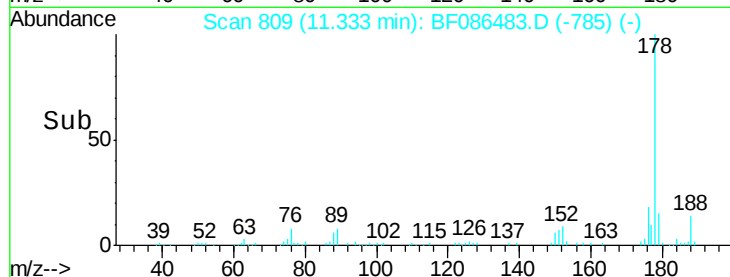
179 14.9 12.6 18.8



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: 6.88 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

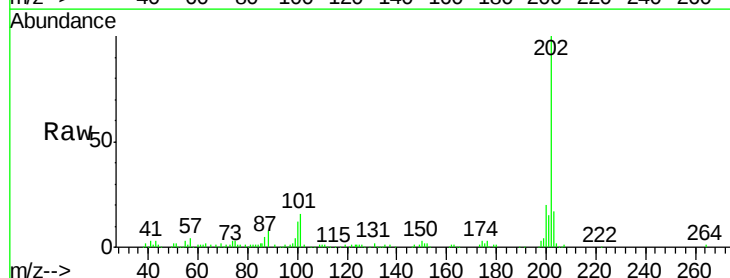
Tgt Ion:202 Resp: 138634

Ion Ratio Lower Upper

202 100

101 15.9 0.0 35.4

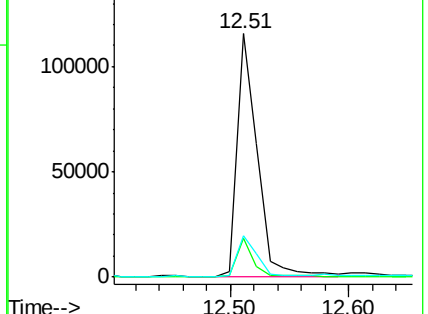
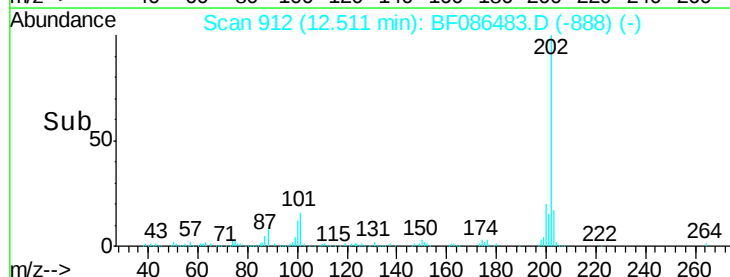
203 17.2 0.0 38.1

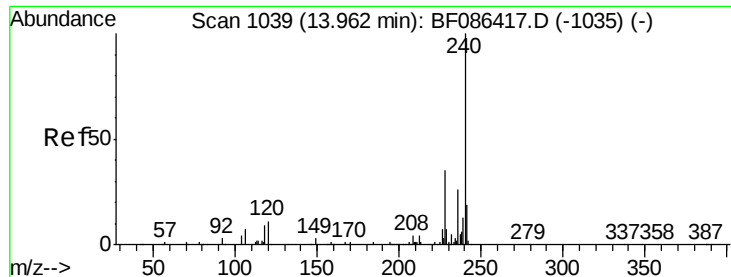


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

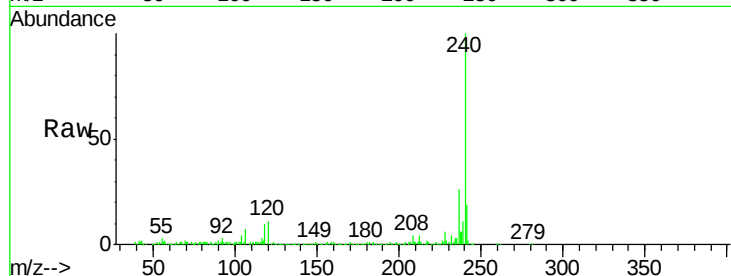
Tot Ion:240 Resp: 308662

Ion Ratio Lower Upper

240 100

120 11.2 11.2 16.8

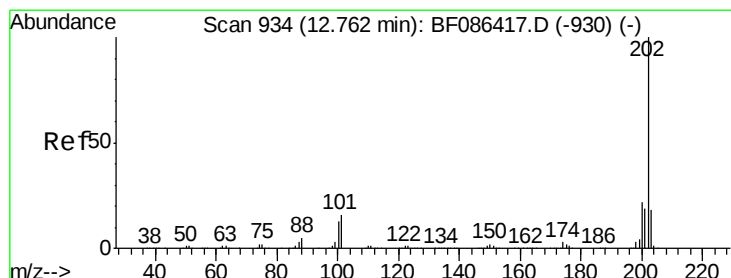
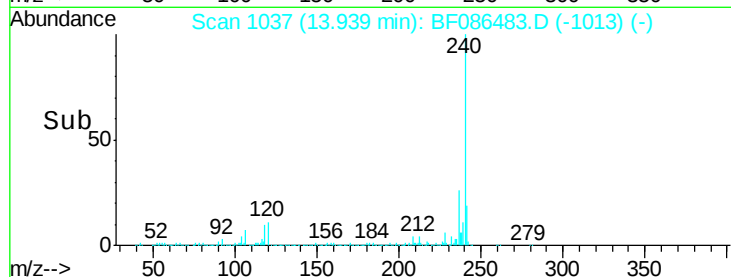
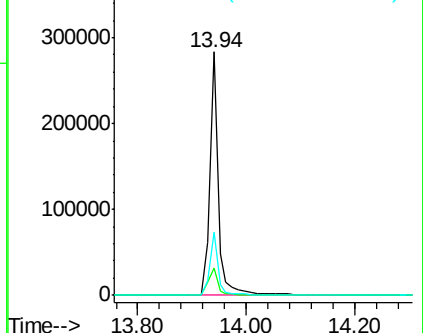
236 25.7 21.2 31.8



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: 5.79 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

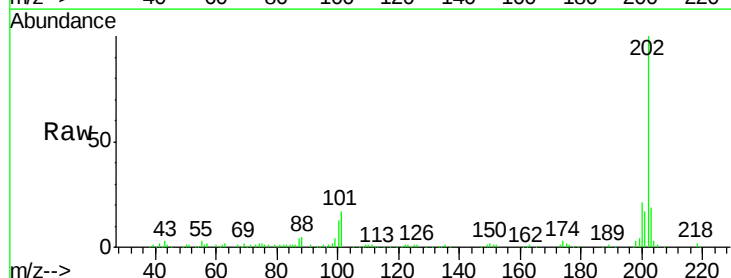
Tgt Ion:202 Resp: 128821

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

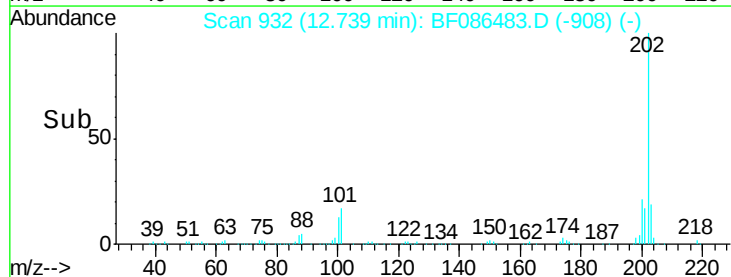
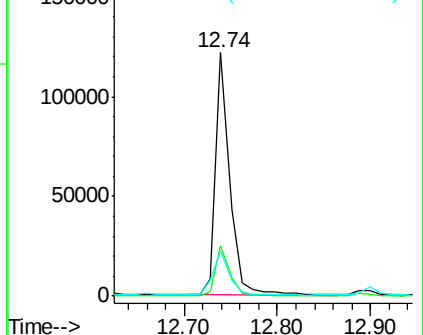
203 18.6 14.2 21.4

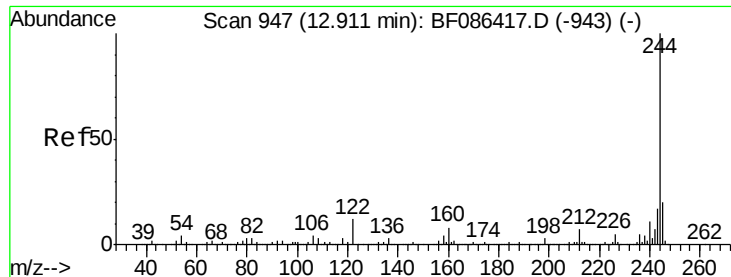


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

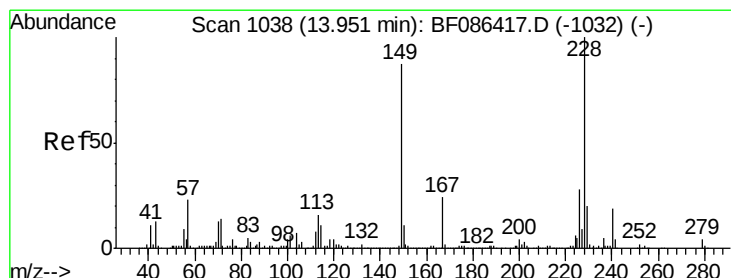
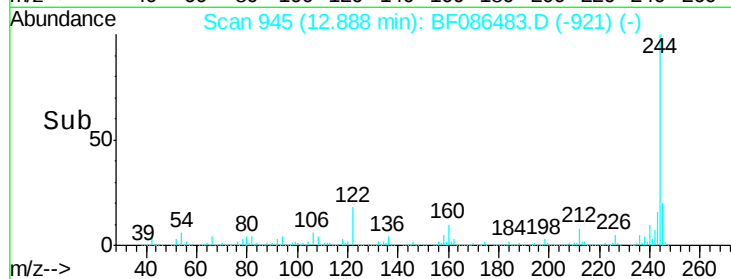
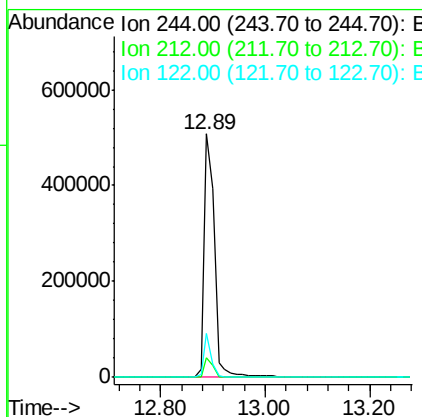
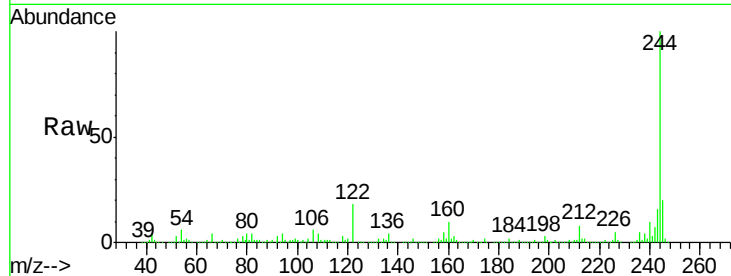




#78
 Terphenyl-d14
 Concen: 49.82 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.02 min
 Lab File: BF086483.D
 Acq: 29 Apr 2016 00:46

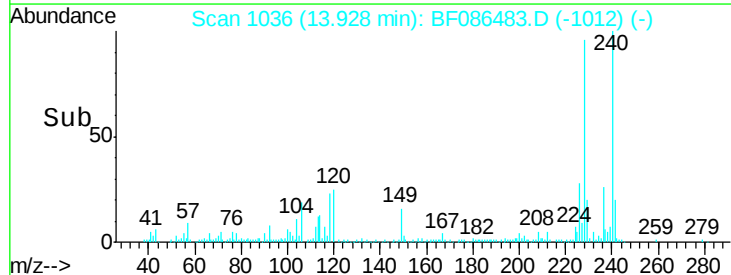
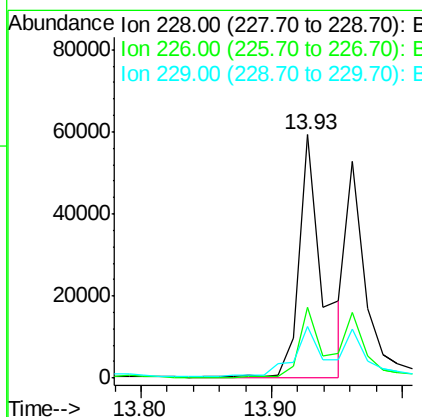
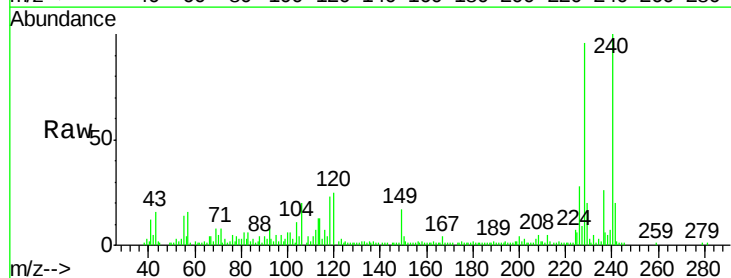
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-6(0-6FTBGS)

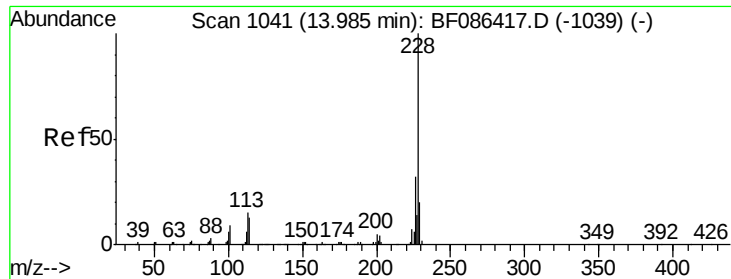
Tot Ion:244 Resp: 698050
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 17.9 12.0 18.0



#80
 Benzo(a)anthracene
 Concen: 4.51 ng
 RT: 13.93 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF086483.D
 Acq: 29 Apr 2016 00:46

Tgt Ion:228 Resp: 74142
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.5 33.7
 229 21.1 16.6 25.0





#82

Chrysene

Concen: 3.16 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

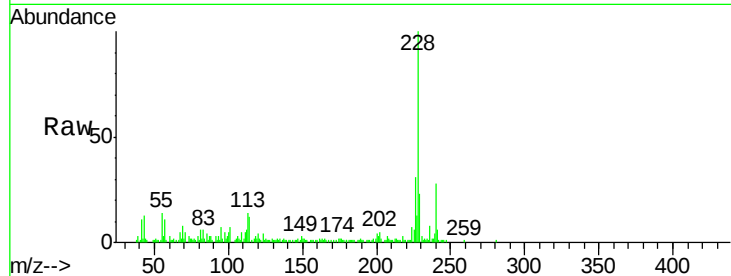
Tot Ion:228 Resp: 56463

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

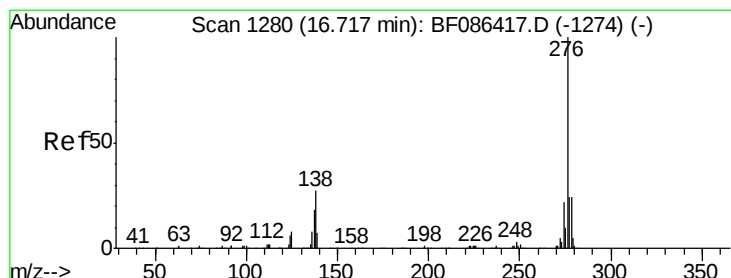
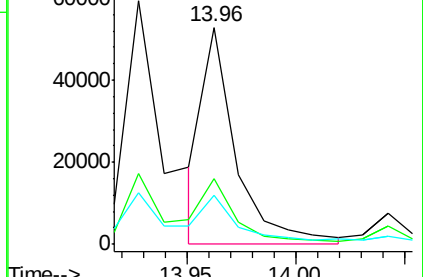
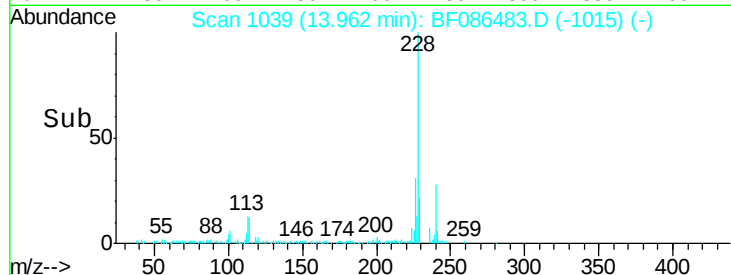
229 22.9 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.20 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

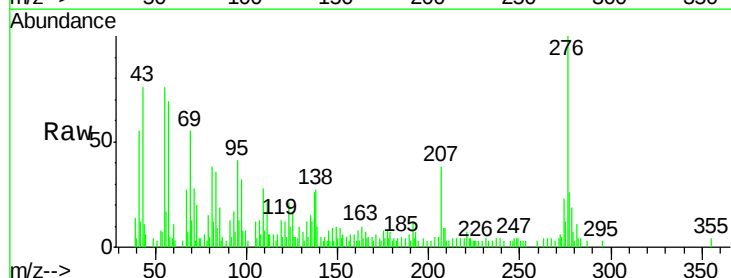
Tgt Ion:276 Resp: 29137

Ion Ratio Lower Upper

276 100

138 29.5 25.6 38.4

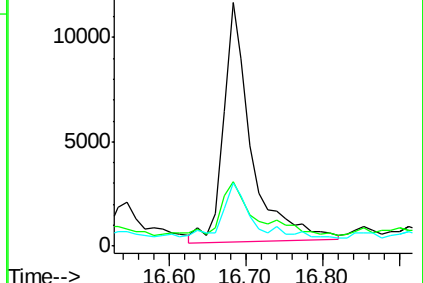
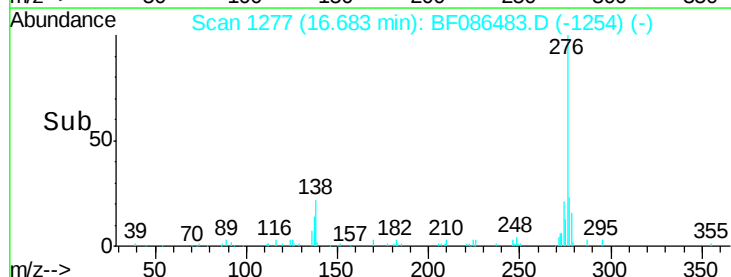
277 25.5 20.5 30.7

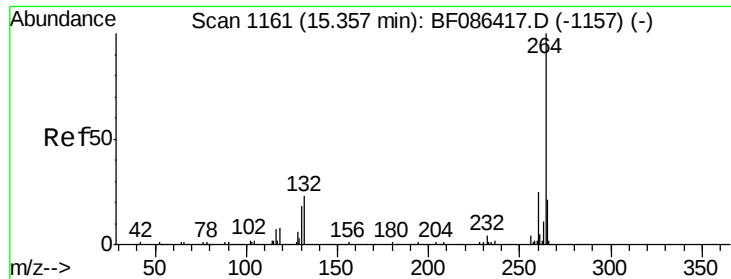


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

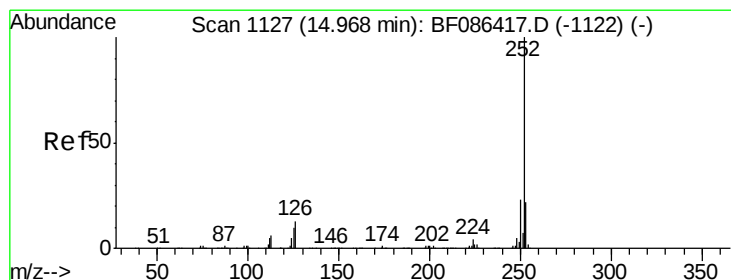
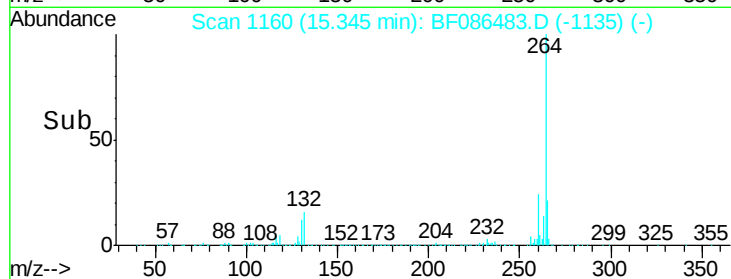
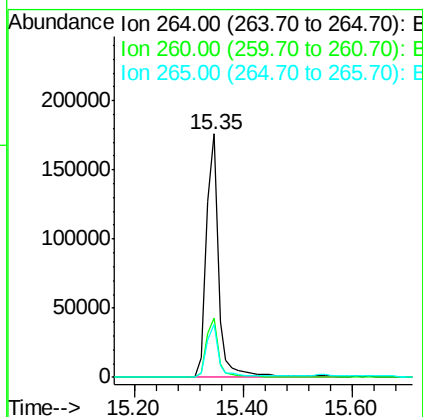
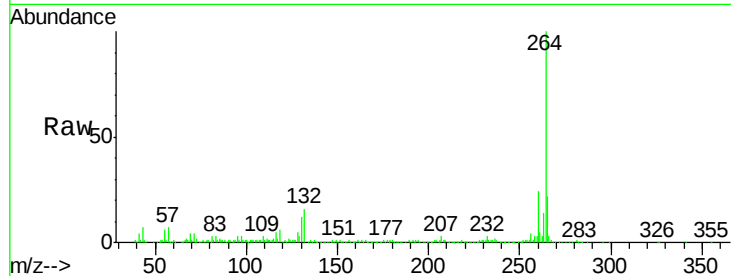




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

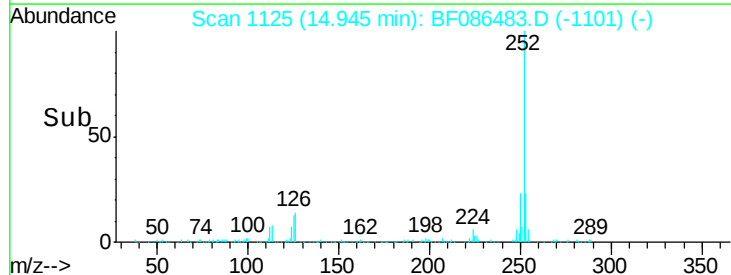
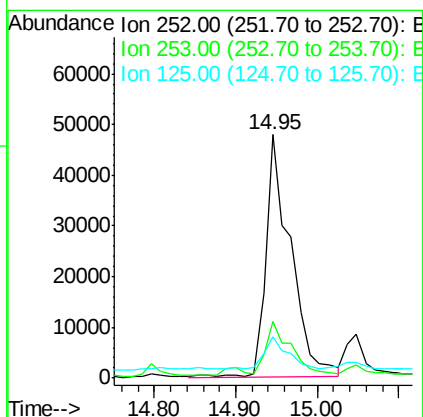
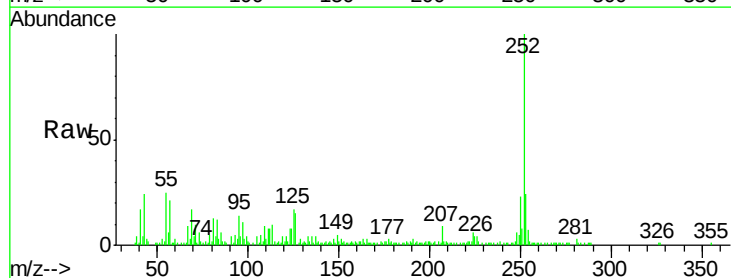
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-6(0-6FTBGS)

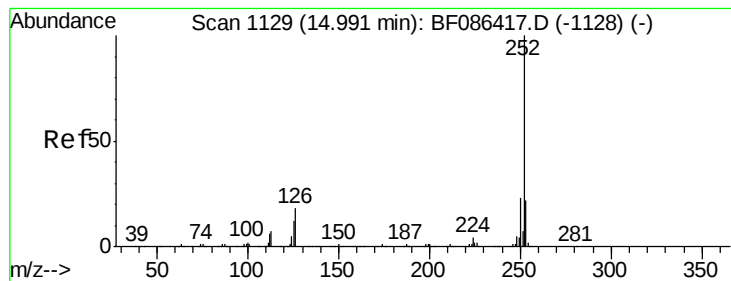
Tot Ion:264 Resp: 278362
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.5 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 6.16 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF086483.D
Acq: 29 Apr 2016 00:46

Tgt Ion:252 Resp: 100938
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 17.1 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 5.85 ng

RT: 14.95 min Scan# 1125

Delta R.T. -0.05 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

Instrument :

BNA_F

ClientSampleId :

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

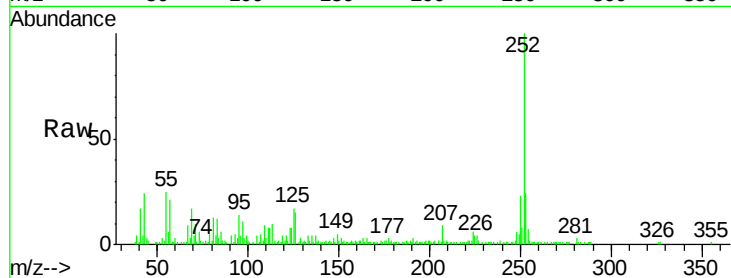
Tot Ion:252 Resp: 99939

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

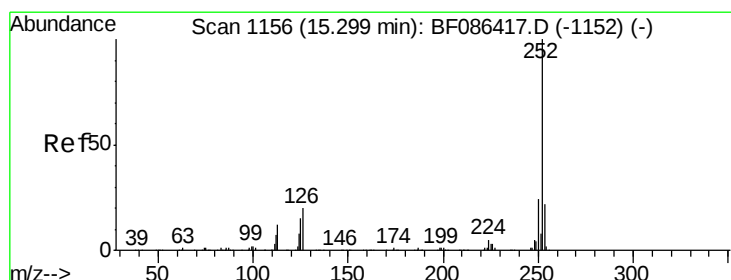
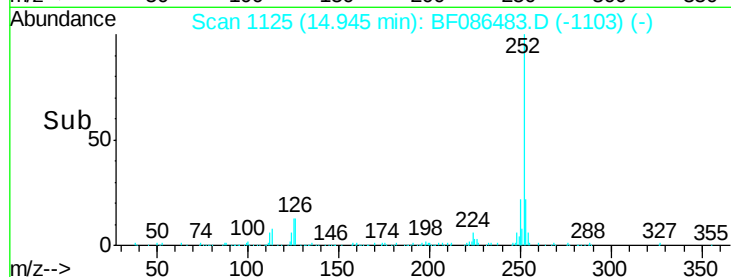
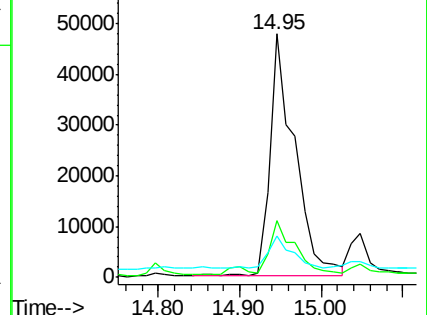
125 17.1 9.1 13.7#



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: 3.24 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF086483.D

Acq: 29 Apr 2016 00:46

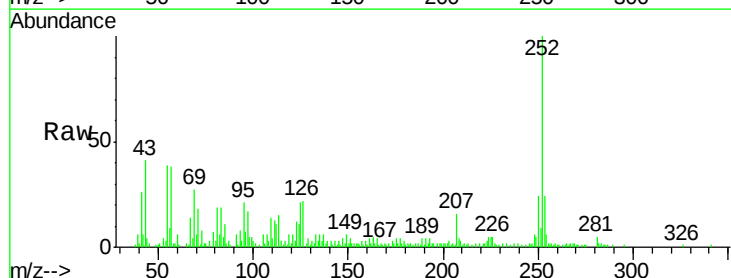
Tgt Ion:252 Resp: 50092

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 21.1 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

