

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102315\
 Data File : BF082486.D
 Acq On : 24 Oct 2015 1:12
 Operator : UM/IZ
 Sample : G4129-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15-14-4-4.5

Quant Time: Oct 24 04:56:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 24 04:47:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	275030	20.00	ng	0.15
21) Naphthalene-d8	8.05	136	390832	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	201083	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	364769	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	262448	20.00	ng	-0.01
86) Perylene-d12	15.41	264	209162	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	544981	39.99	ng	0.00
7) Phenol-d6	6.40	99	682399	38.48	ng	-0.01
23) Nitrobenzene-d5	7.33	82	473587	81.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	167280	88.71	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	828659	68.34	ng	-0.01
78) Terphenyl-d14	12.88	244	793054	80.07	ng	0.00

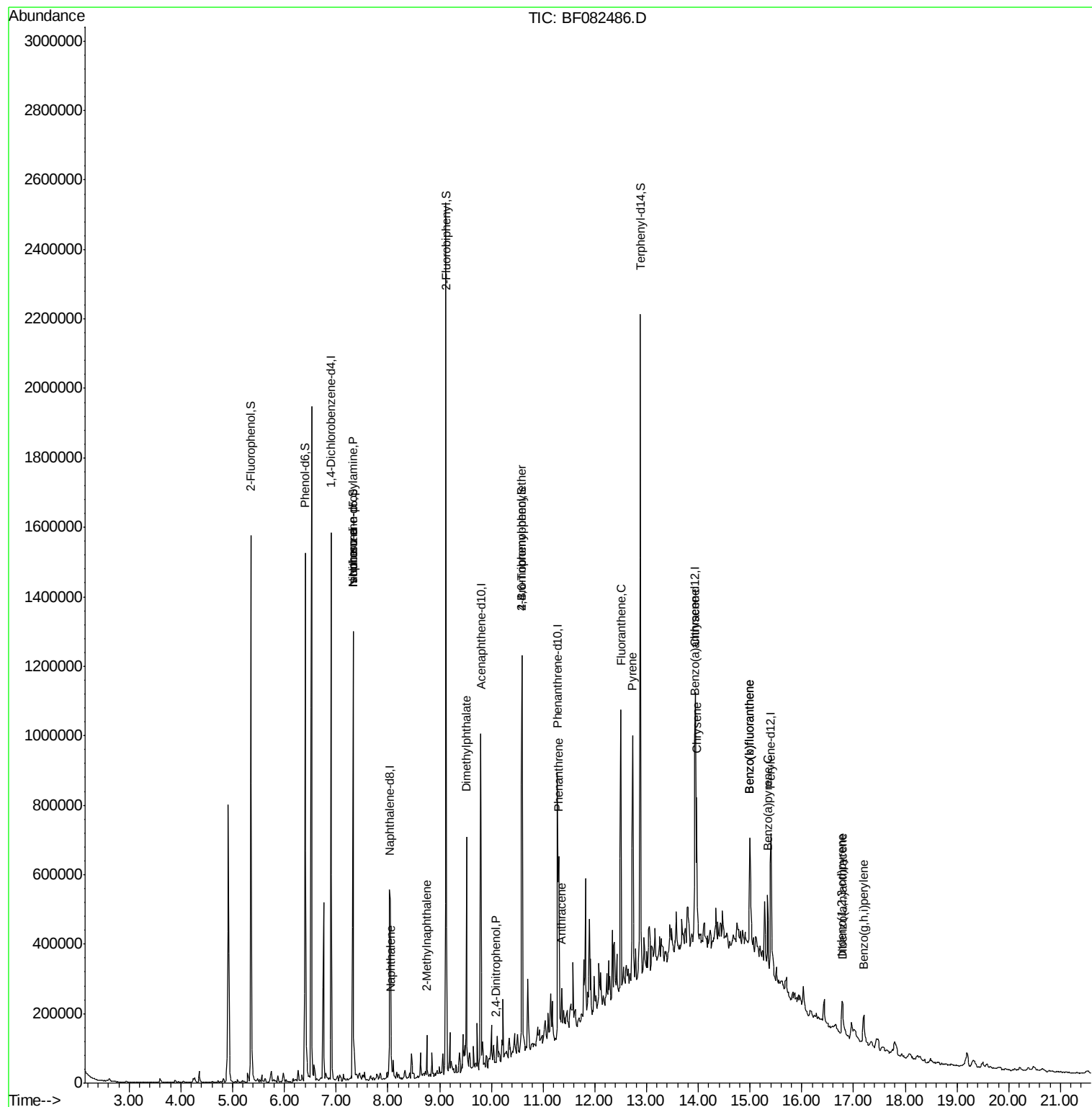
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.33	70	65366	5.25	ng	# 76
25) Isophorone	7.33	82	356431	30.34	ng	# 66
31) Naphthalene	8.06	128	52398	3.09	ng	99
37) 2-Methylnaphthalene	8.75	142	37699	3.21	ng	97
49) Dimethylphthalate	9.52	163	238741	16.86	ng	99
53) 2,4-Dinitrophenol	10.08	184	760	6.81	ng	# 20
55) 4-Nitrophenol	9.90	139	924	Below Cal		# 10
66) 4-Bromophenyl-phenylether	10.59	248	12860	3.52	ng	# 1
70) Phenanthrene	11.30	178	279177	15.61	ng	98
71) Anthracene	11.36	178	60810	3.30	ng	98
74) Fluoranthene	12.50	202	381910	19.89	ng	97
77) Pvrene	12.73	202	378046	24.27	ng	98
80) Benzo(a)anthracene	13.93	228	161190	11.80	ng	95
82) Chrysene	13.97	228	143161	9.95	ng	97
85) Indeno(1,2,3-cd)pyrene	16.78	276	65160	5.70	ng	98
87) Benzo(b)fluoranthene	15.00	252	213110	16.75	ng	# 97
88) Benzo(k)fluoranthene	15.00	252	213110	19.92	ng	# 95
89) Benzo(a)pyrene	15.34	252	104379	9.54	ng	# 94
90) Dibenzo(a,h)anthracene	16.79	278	19765	2.21	ng	# 76
91) Benzo(a,h,i)perylene	17.20	276	72255	8.30	ng	99

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

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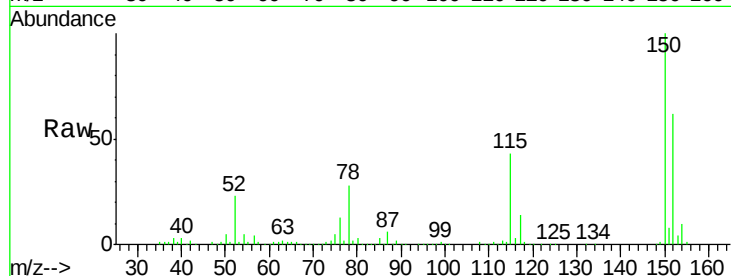




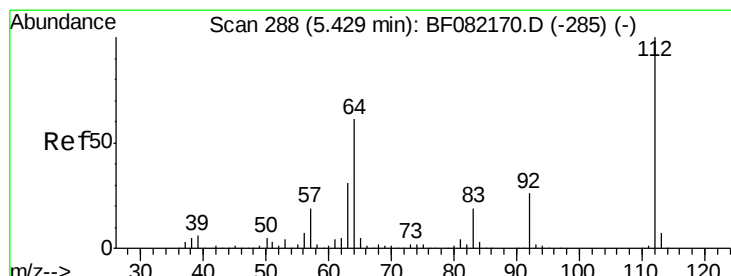
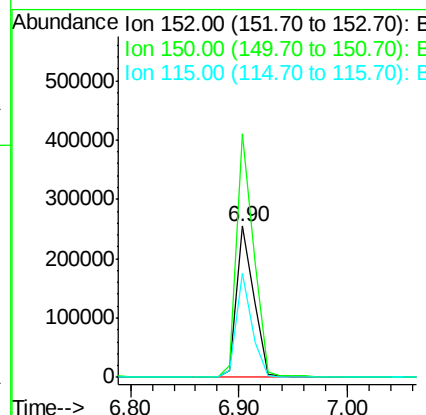
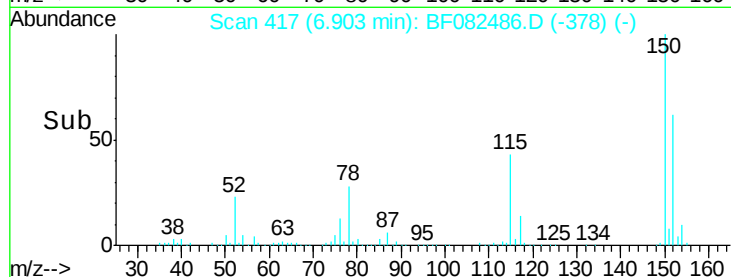
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 417
 Delta R.T. 0.15 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

Instrument :
 BNA_F
 ClientSampleId :
 SB15-14-4-4.5

Tot Ion:152 Resp: 275030
 Ion Ratio Lower Upper
 152 100
 150 161.2 129.0 193.4
 115 69.0 52.1 78.1

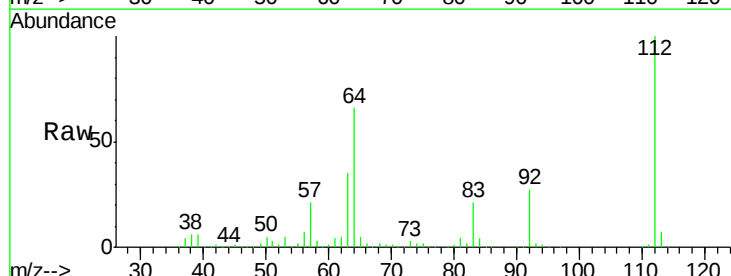


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

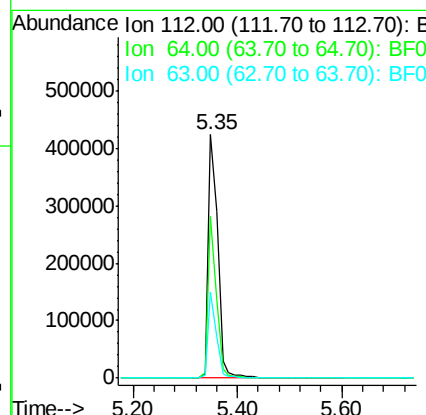
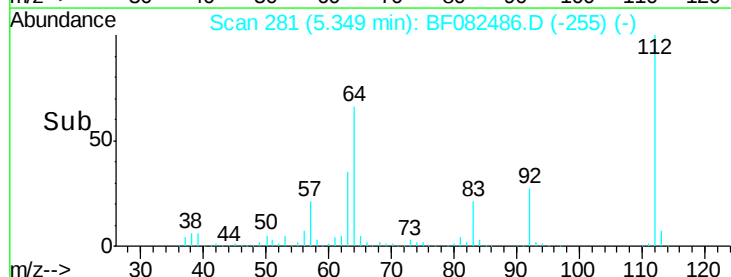


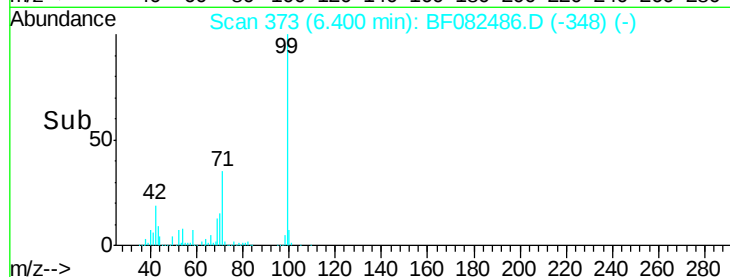
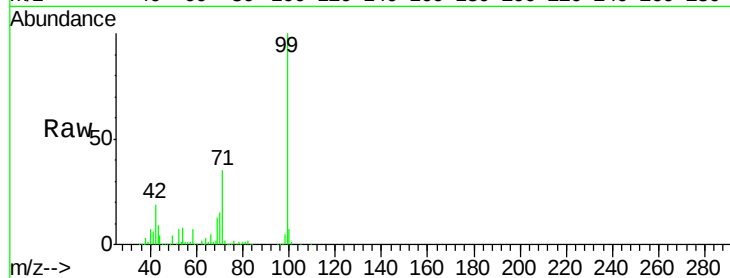
#5
 2-Fluorophenol
 Concen: 39.99 ng
 RT: 5.35 min Scan# 281
 Delta R.T. 0.00 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

Tgt Ion:112 Resp: 544981
 Ion Ratio Lower Upper
 112 100
 64 66.3 48.6 73.0
 63 35.2 25.1 37.7



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: 38.48 ng

RT: 6.40 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

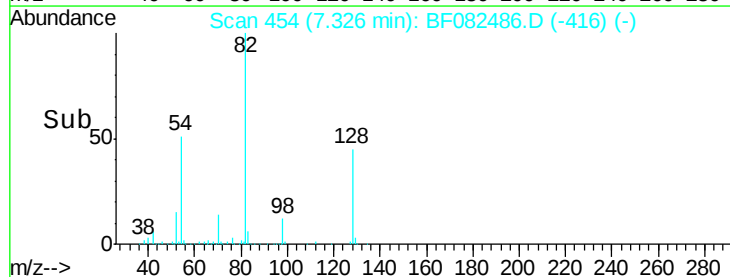
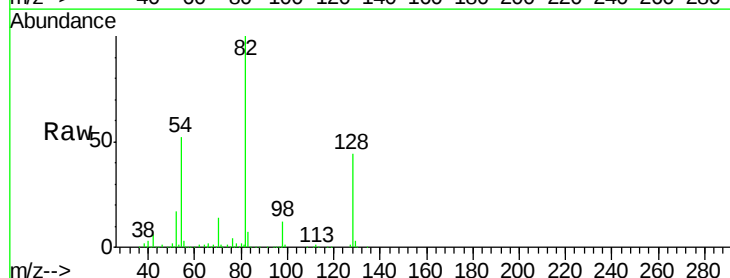
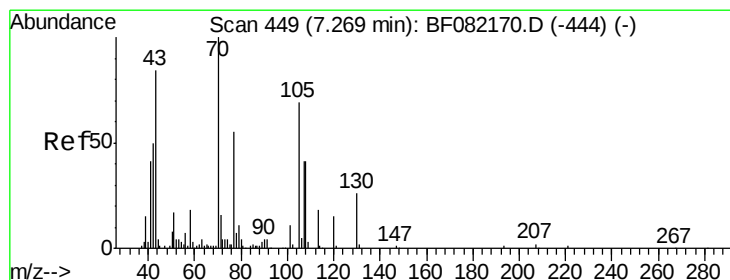
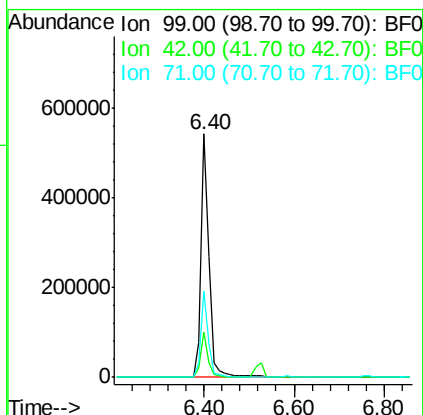
Tot Ion: 99 Resp: 682399

Ion Ratio Lower Upper

99 100

42 18.6 13.2 19.8

71 35.2 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.25 ng

RT: 7.33 min Scan# 454

Delta R.T. 0.14 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Tgt Ion: 70 Resp: 65366

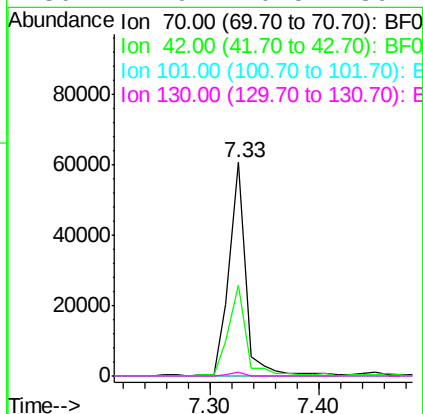
Ion Ratio Lower Upper

70 100

42 42.5 39.8 59.8

101 0.0 8.6 13.0#

130 1.9 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

Tot Ion:136 Resp: 390832

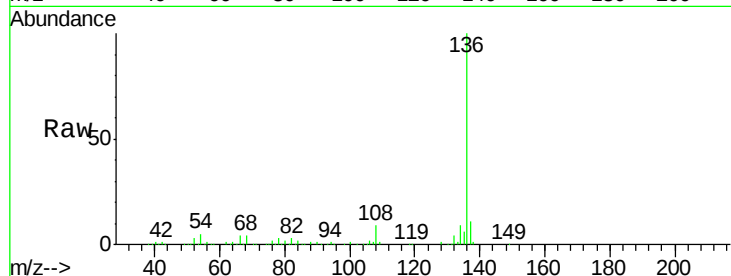
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 5.3 7.5 11.3#

68 3.7 4.6 7.0#

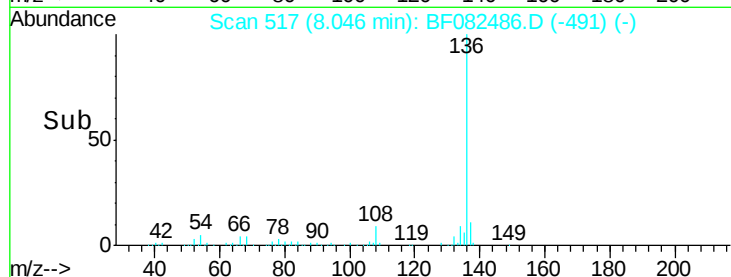


Abundance Ion 136.00 (135.70 to 136.70): E

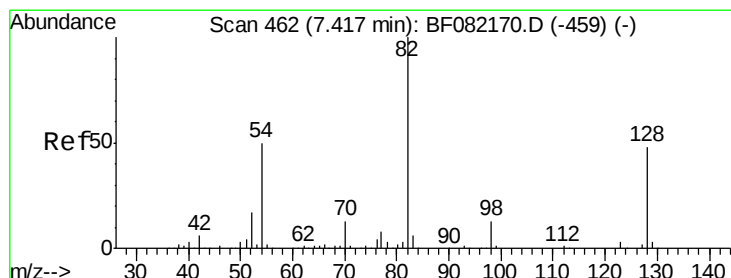
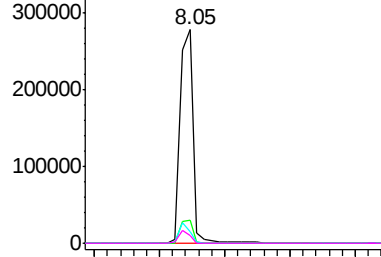
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 81.37 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

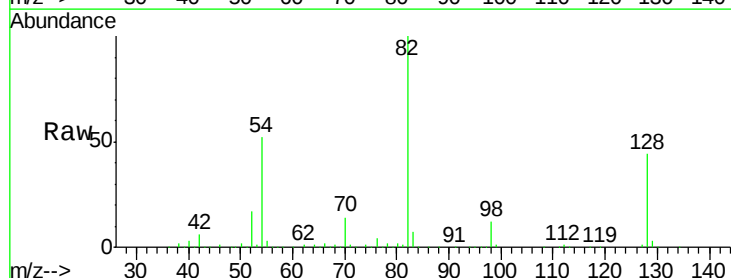
Tgt Ion: 82 Resp: 473587

Ion Ratio Lower Upper

82 100

128 44.5 38.7 58.1

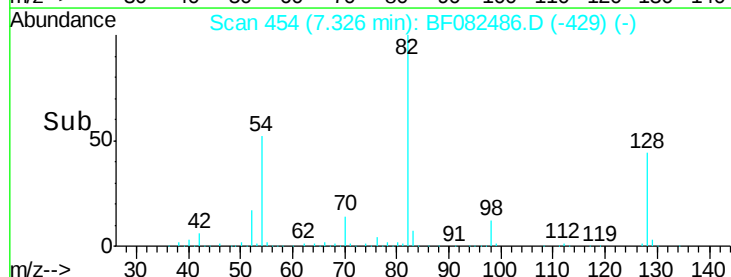
54 51.7 40.1 60.1



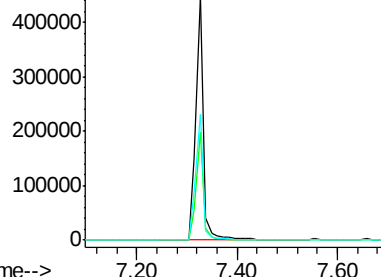
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 30.34 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.26 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

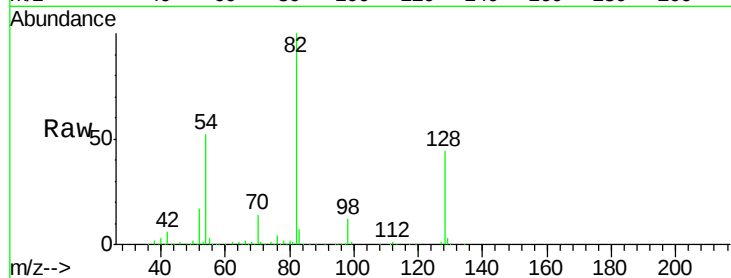
Tot Ion: 82 Resp: 356431

Ion Ratio Lower Upper

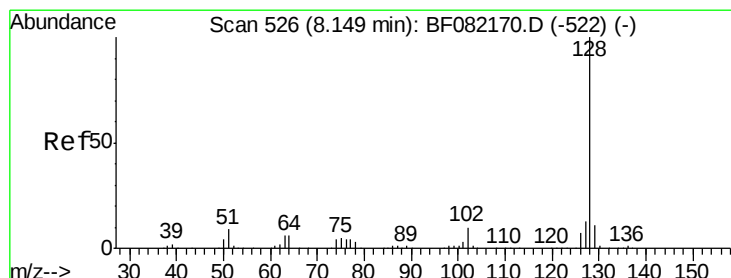
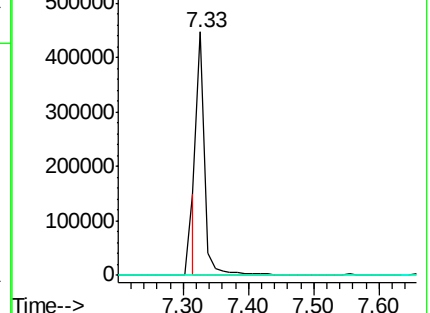
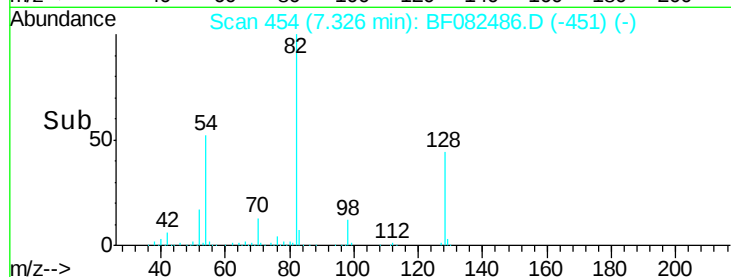
82 100

95 0.1 5.6 8.4#

138 0.0 13.6 20.4#



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



#31

Naphthalene

Concen: 3.09 ng

RT: 8.06 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

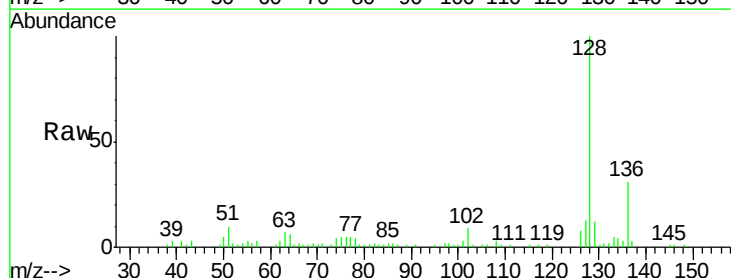
Tgt Ion: 128 Resp: 52398

Ion Ratio Lower Upper

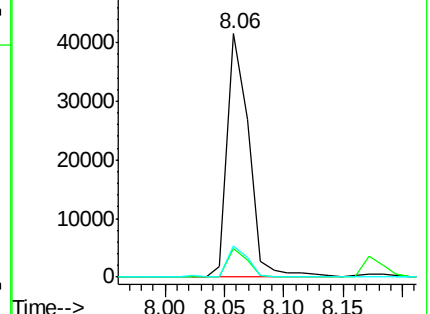
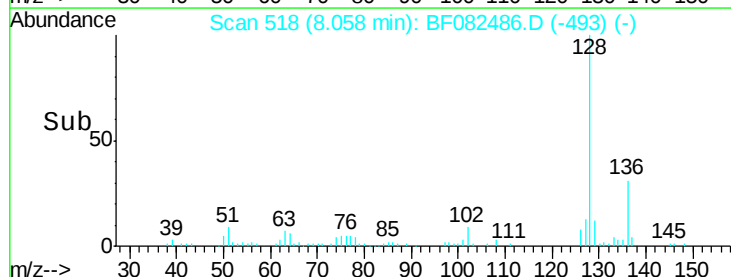
128 100

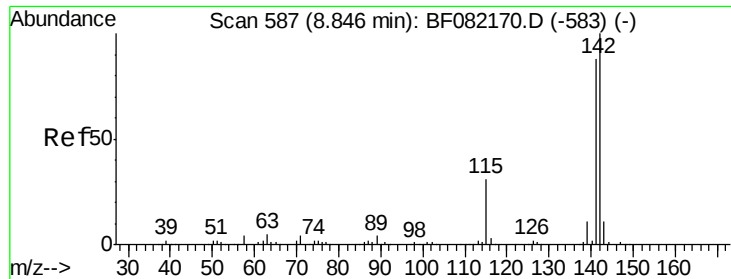
129 11.8 9.1 13.7

127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

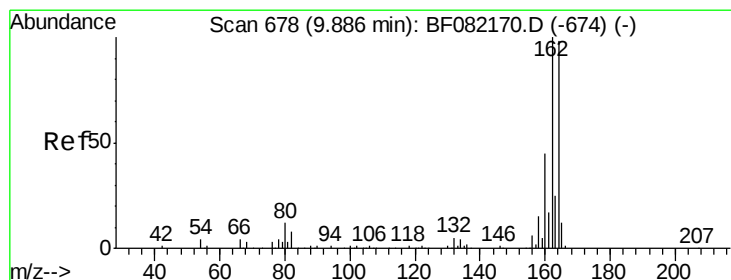
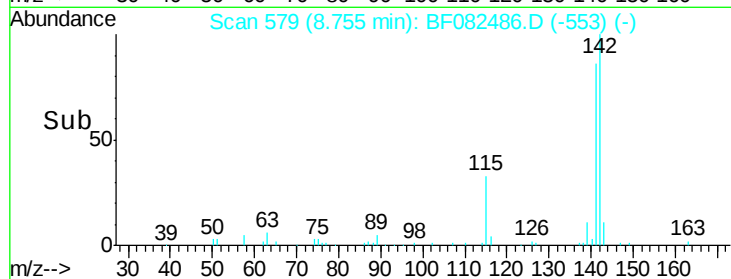
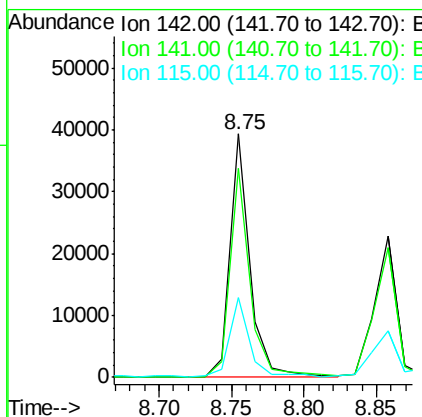
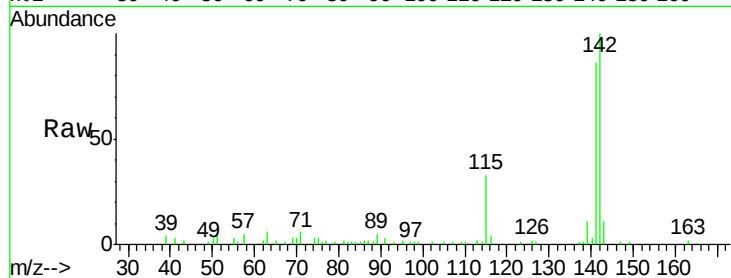




#37
2-Methylnaphthalene
Concen: 3.21 ng
RT: 8.75 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

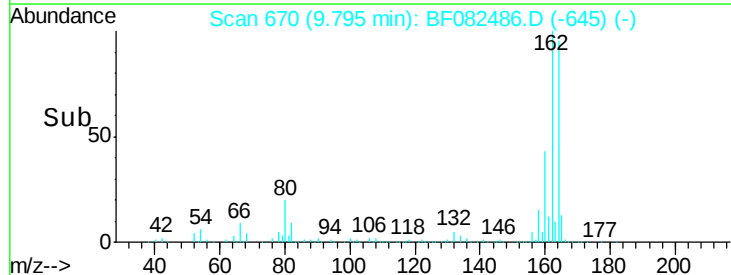
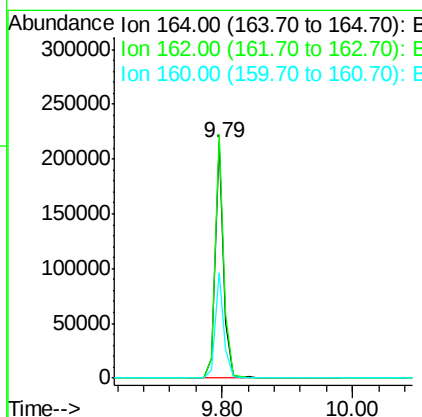
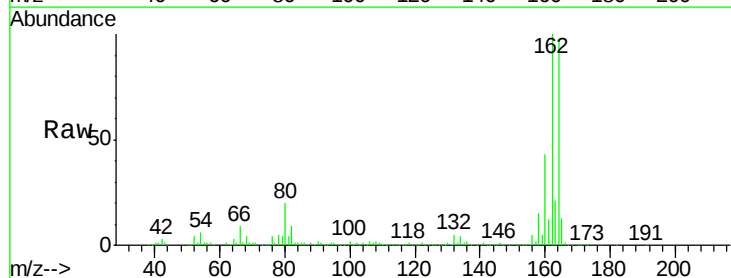
Instrument :
BNA_F
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SB15-14-4-4.5

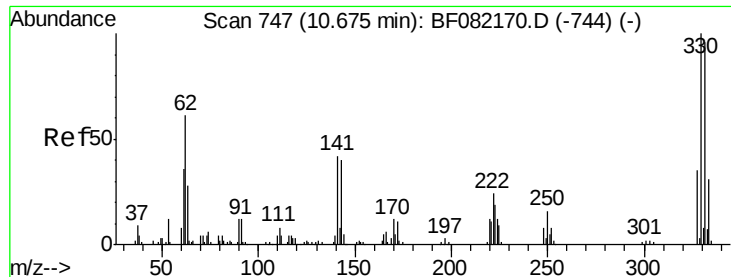
Tot Ion:142 Resp: 37699
Ion Ratio Lower Upper
142 100
141 85.7 70.4 105.6
115 32.8 24.6 37.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:164 Resp: 201083
Ion Ratio Lower Upper
164 100
162 103.4 81.6 122.4
160 44.6 36.4 54.6

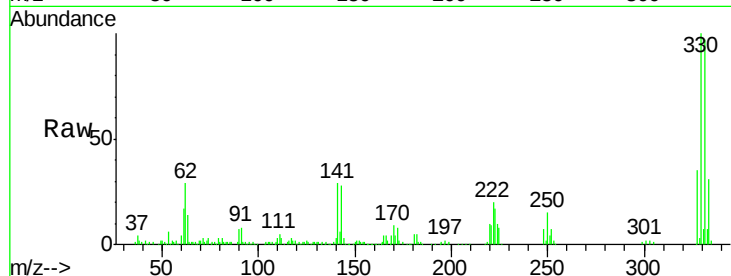




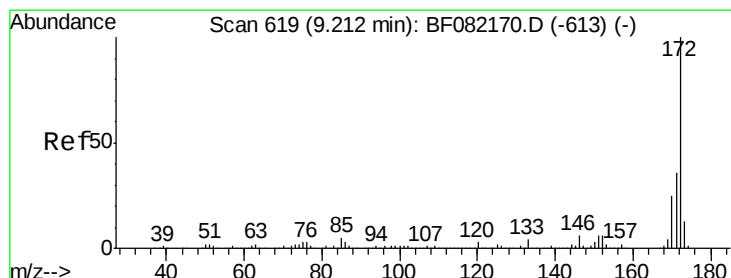
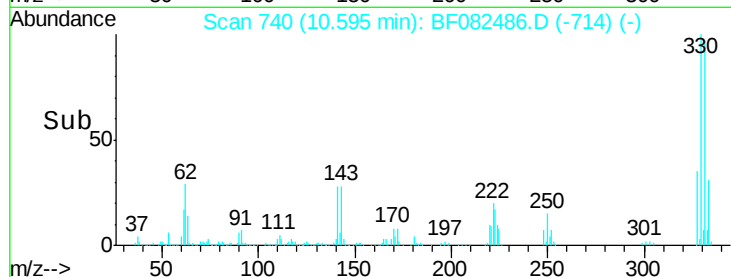
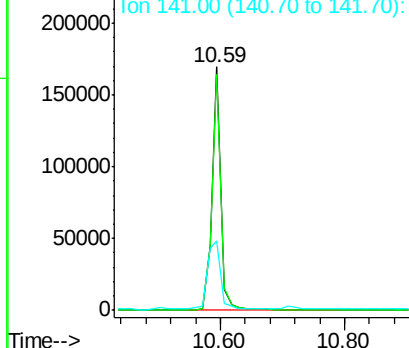
#41
 2,4,6-Tribromophenol
 Concen: 88.71 ng
 RT: 10.59 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

Instrument :
 BNA_F
 ClientSampleId :
 SB15-14-4-4.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.1	115.7
141	42.3	29.8	44.8

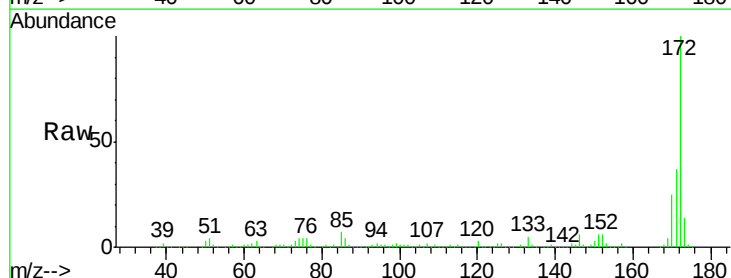


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

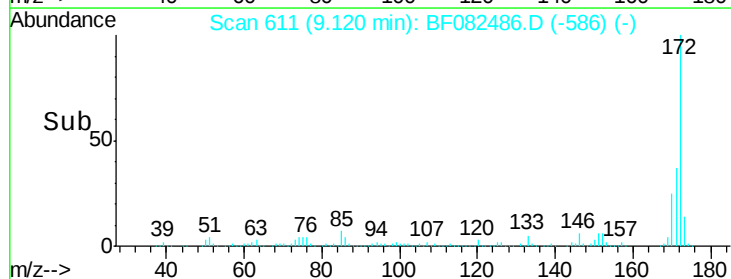
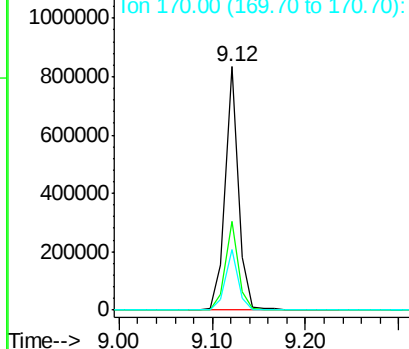


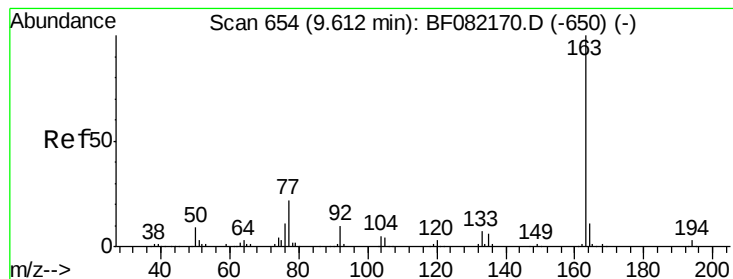
#44
 2-Fluorobiphenyl
 Concen: 68.34 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.6	19.7	29.5



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: 16.86 ng

RT: 9.52 min Scan# 646

Delta R.T. -0.02 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

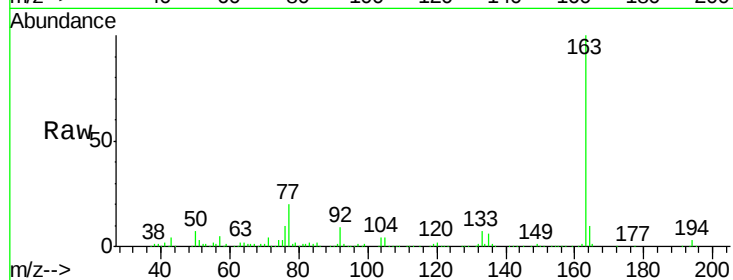
Tot Ion:163 Resp: 238741

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

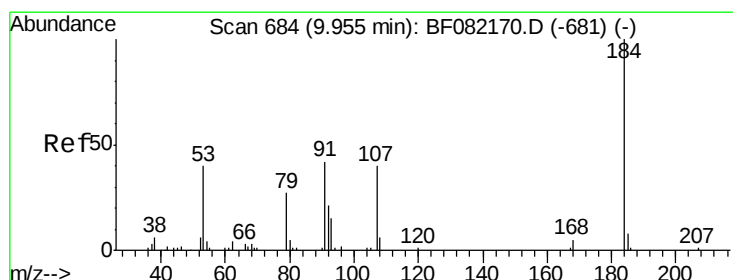
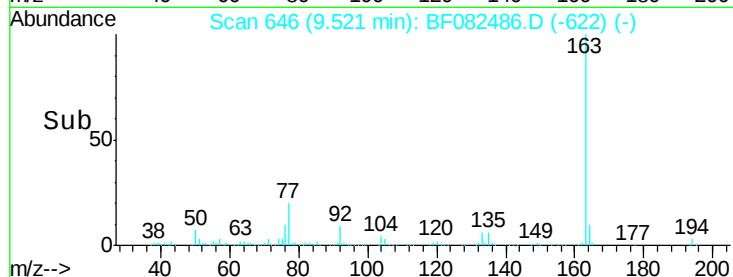
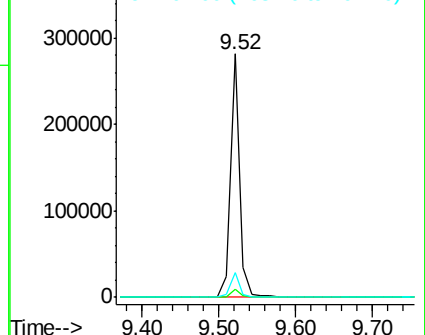
164 10.2 8.5 12.7



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



#53

2,4-Dinitrophenol

Concen: 6.81 ng

RT: 10.08 min Scan# 695

Delta R.T. 0.19 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

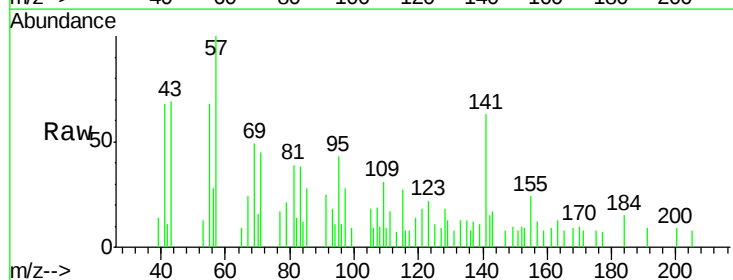
Tgt Ion:184 Resp: 760

Ion Ratio Lower Upper

184 100

63 0.0 45.1 67.7#

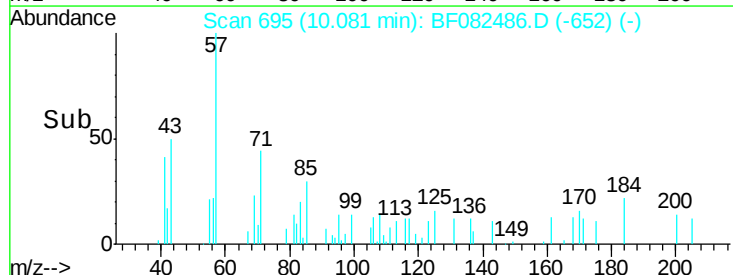
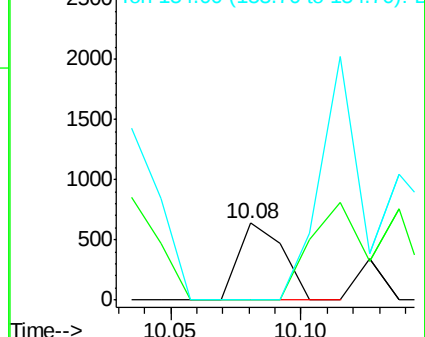
154 0.0 51.2 76.8#

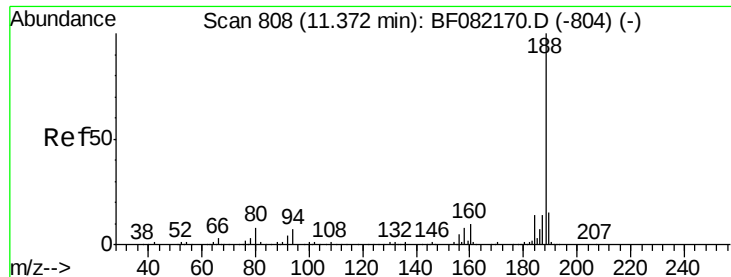


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

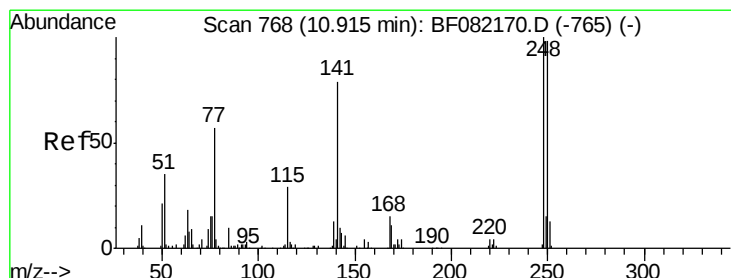
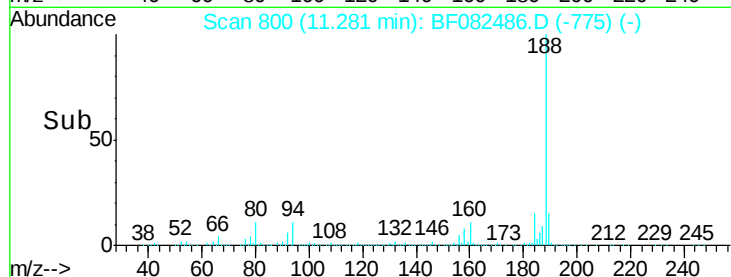
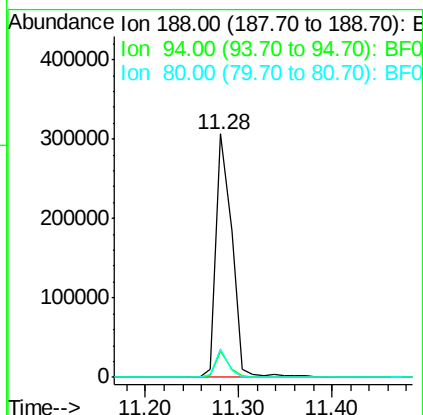
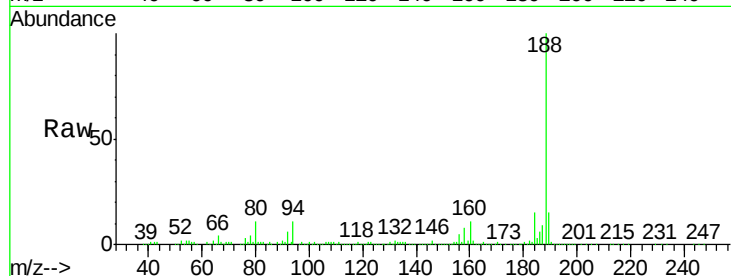




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

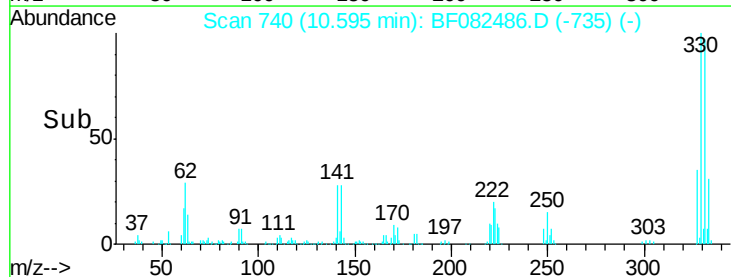
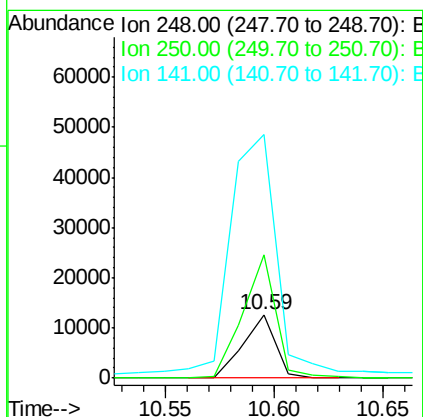
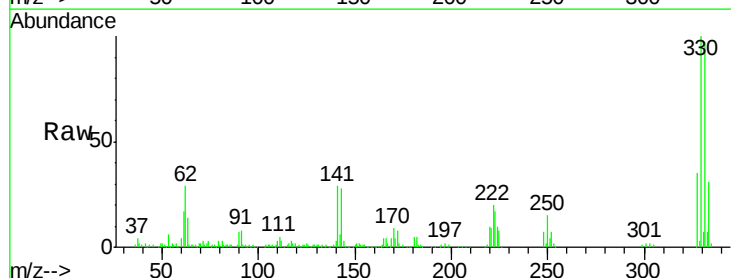
Instrument :
BNA_F
ClientSampleId :
SB15-14-4-4.5

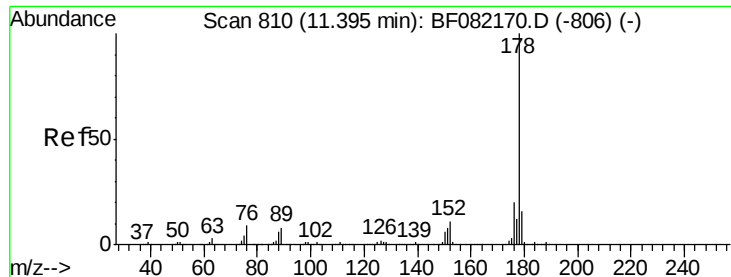
Tot Ion:188 Resp: 364769
Ion Ratio Lower Upper
188 100
94 10.9 5.8 8.6#
80 11.5 6.4 9.6#



#66
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 10.59 min Scan# 740
Delta R.T. -0.24 min
Lab File: BF082486.D
Acq: 24 Oct 2015 1:12

Tgt Ion:248 Resp: 12860
Ion Ratio Lower Upper
248 100
250 194.5 78.6 117.8#
141 384.1 63.3 94.9#





#70

Phenanthrene

Concen: 15.61 ng

RT: 11.30 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

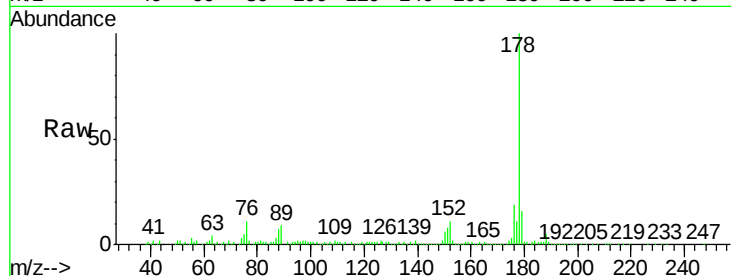
Tot Ion:178 Resp: 279177

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

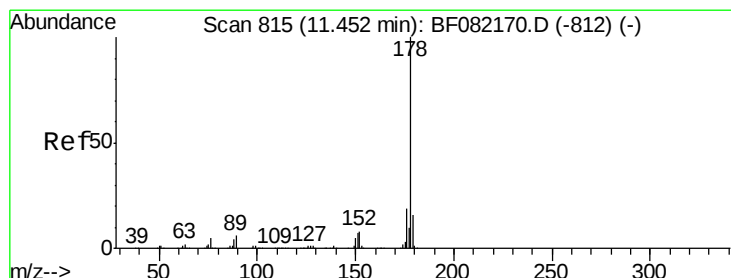
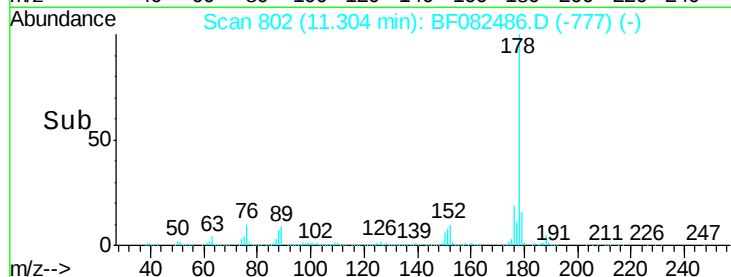
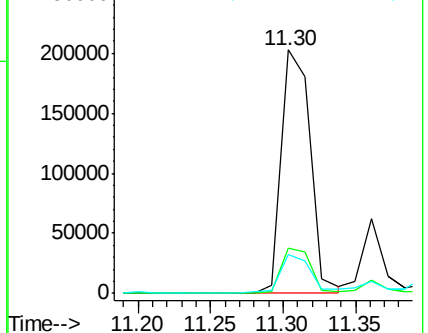
179 15.8 12.6 19.0



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



#71

Anthracene

Concen: 3.30 ng

RT: 11.36 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

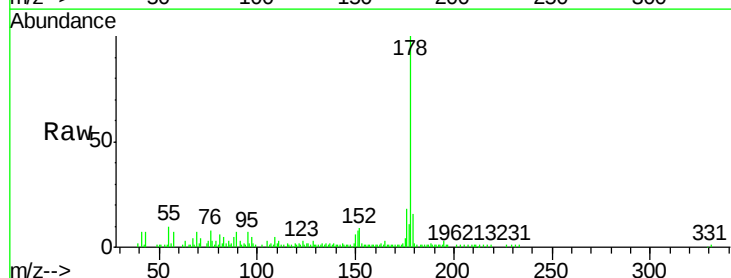
Tgt Ion:178 Resp: 60810

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.0

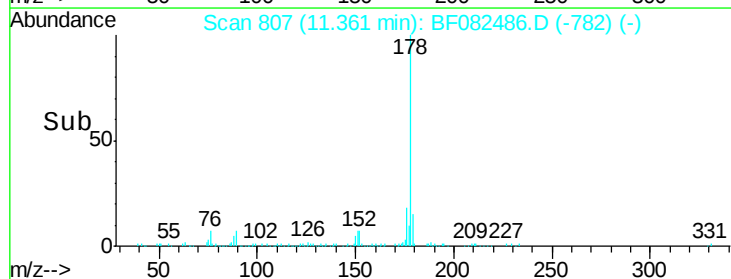
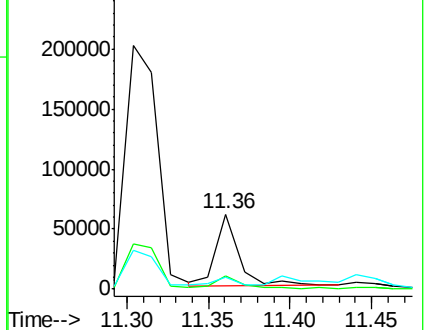
179 16.2 12.5 18.7

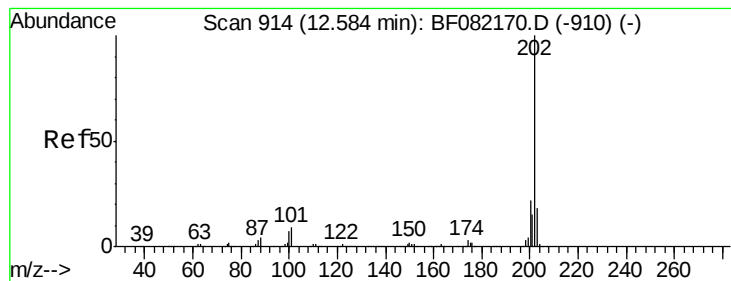


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.89 ng

RT: 12.50 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

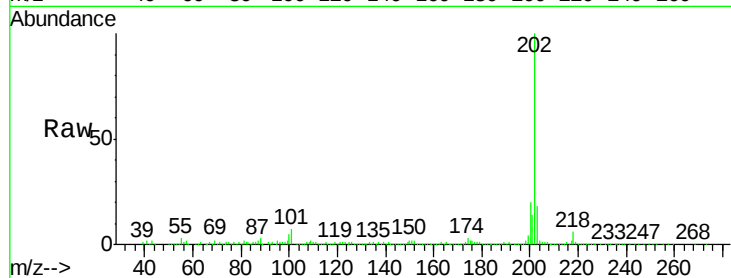
Tot Ion:202 Resp: 381910

Ion Ratio Lower Upper

202 100

101 7.1 0.0 29.3

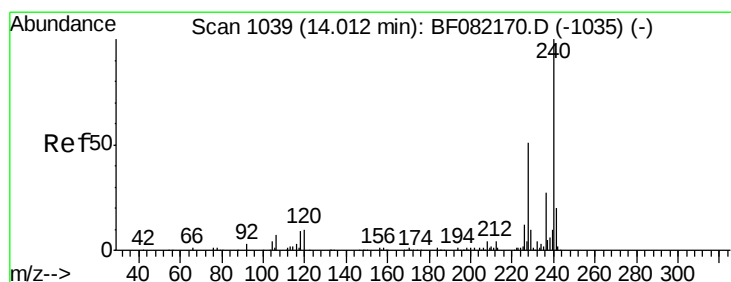
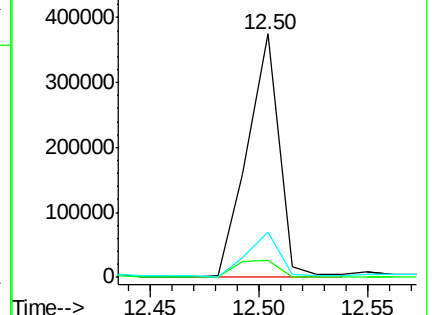
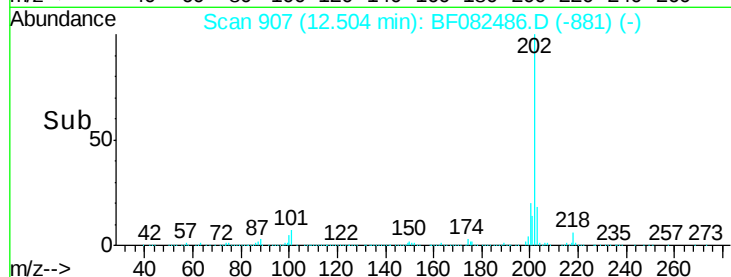
203 18.5 0.0 37.8



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# 1033

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

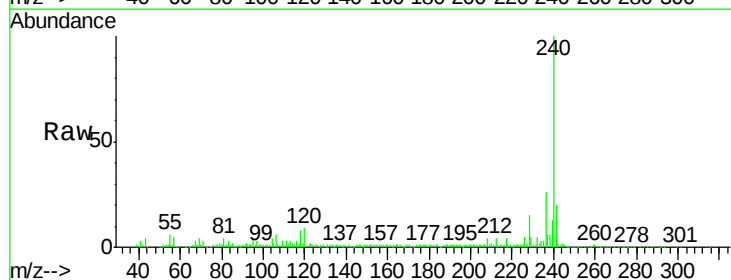
Tgt Ion:240 Resp: 262448

Ion Ratio Lower Upper

240 100

120 8.7 8.1 12.1

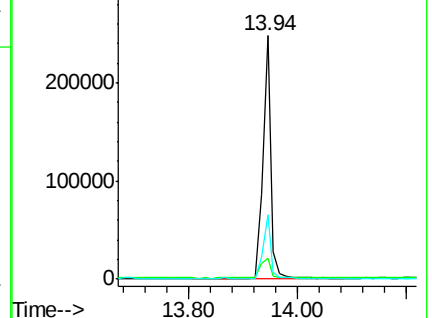
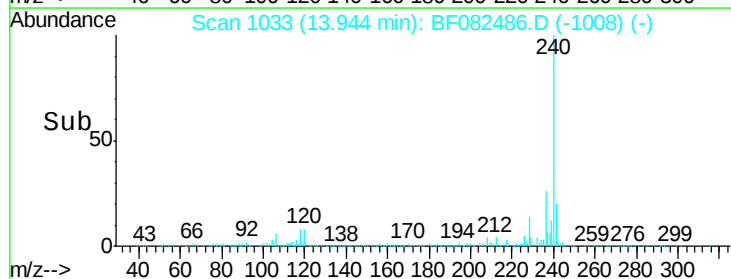
236 26.3 21.3 31.9

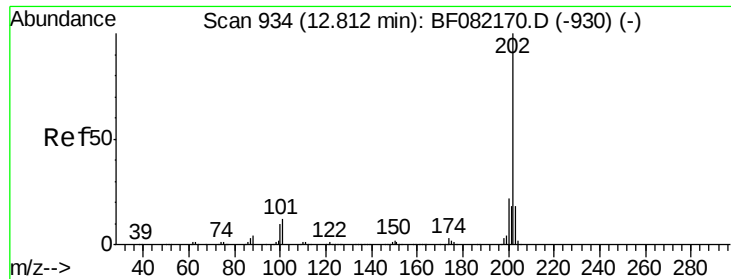


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.27 ng

RT: 12.73 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

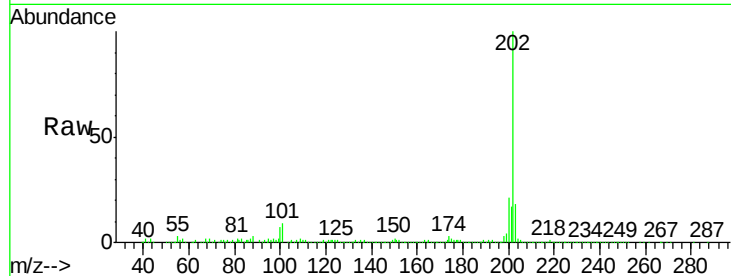
Tot Ion:202 Resp: 378046

Ion Ratio Lower Upper

202 100

200 21.2 17.9 26.9

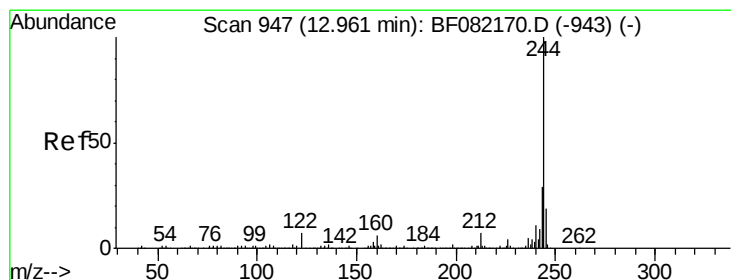
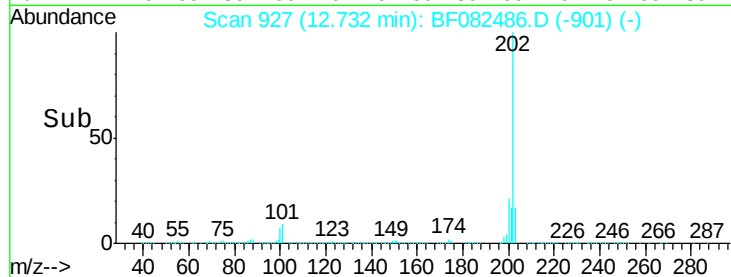
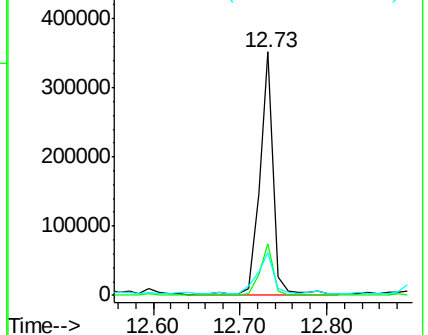
203 17.7 14.5 21.7



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: 80.07 ng

RT: 12.88 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

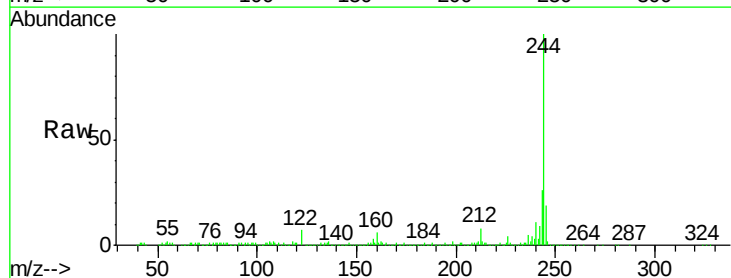
Tgt Ion:244 Resp: 793054

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

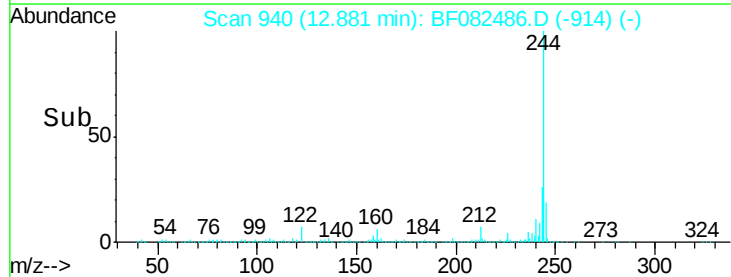
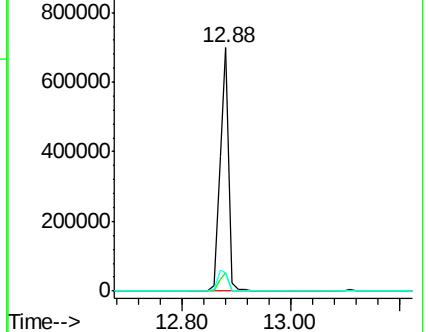
122 7.4 5.9 8.9

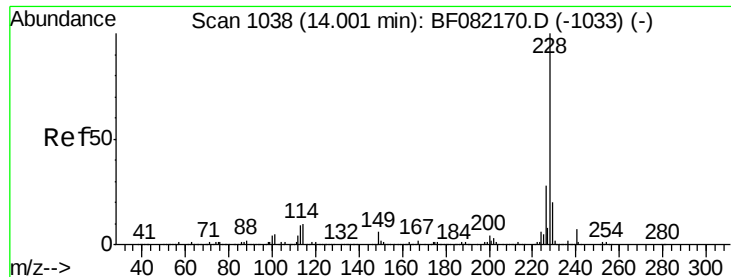


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.80 ng

RT: 13.93 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

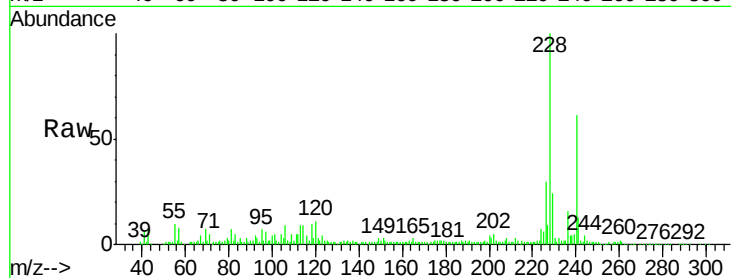
Tot Ion:228 Resp: 161190

Ion Ratio Lower Upper

228 100

226 29.7 22.3 33.5

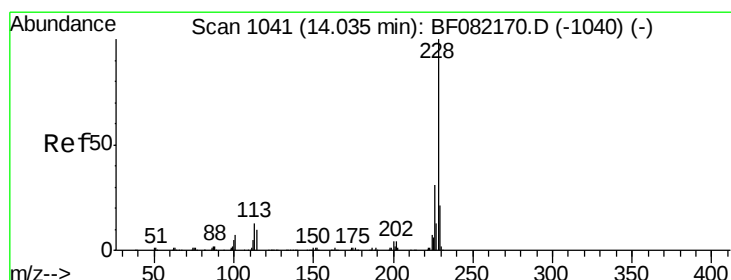
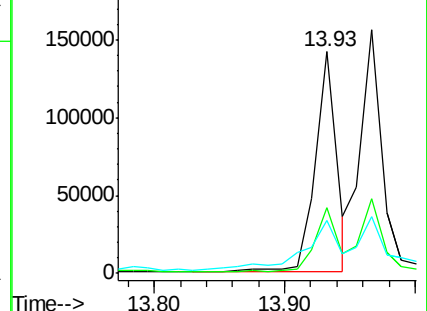
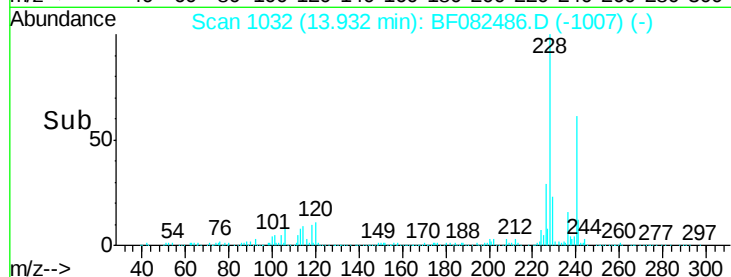
229 23.6 16.2 24.2



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: 9.95 ng

RT: 13.97 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

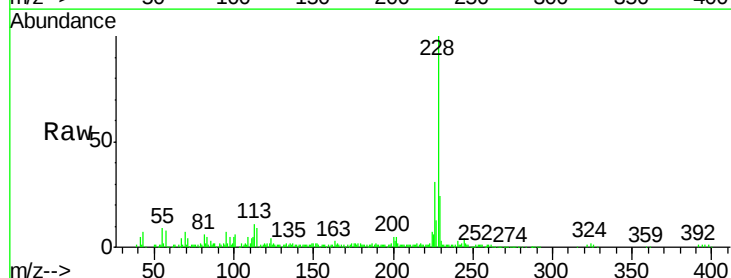
Tgt Ion:228 Resp: 143161

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

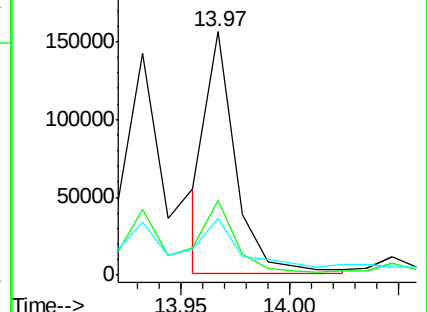
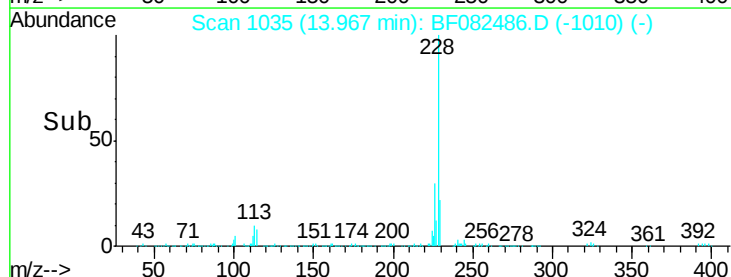
229 23.5 16.3 24.5

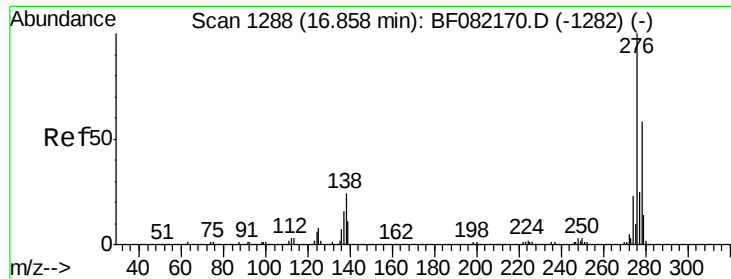


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

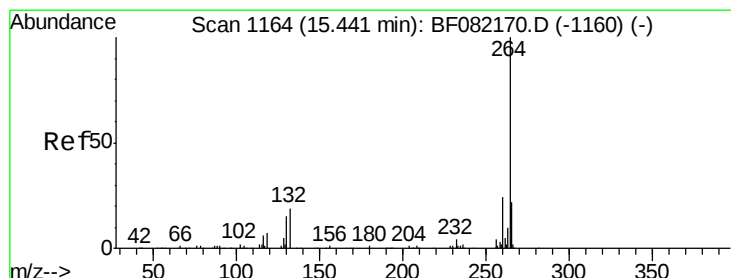
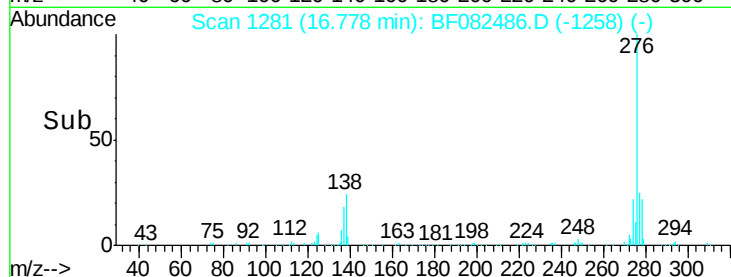
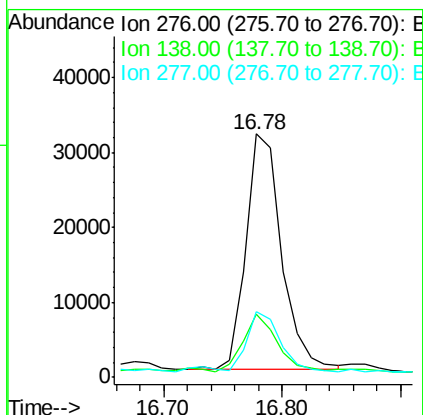
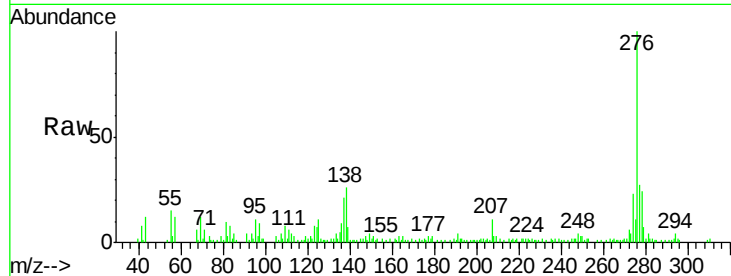




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.70 ng
 RT: 16.78 min Scan# 1281
 Delta R.T. -0.03 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

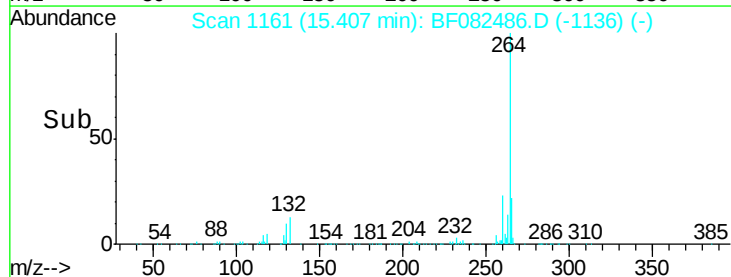
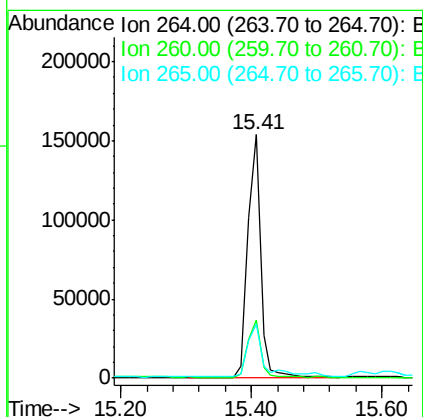
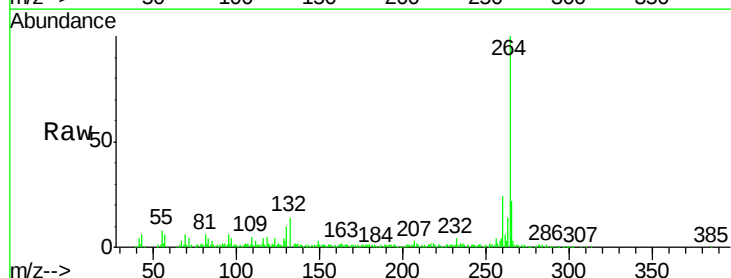
Instrument :
 BNA_F
 ClientSampleId :
 SB15-14-4-4.5

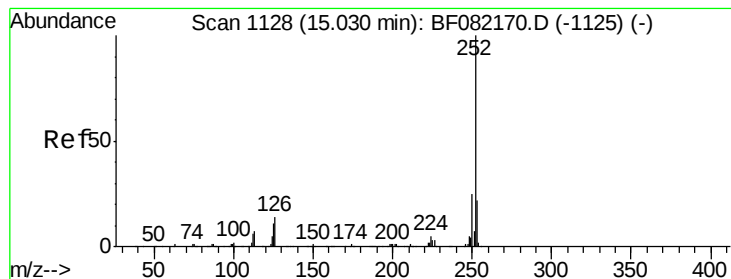
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	19.7	29.5
277	25.2	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BF082486.D
 Acq: 24 Oct 2015 1:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	22.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 16.75 ng

RT: 15.00 min Scan# 1125

Delta R.T. -0.02 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

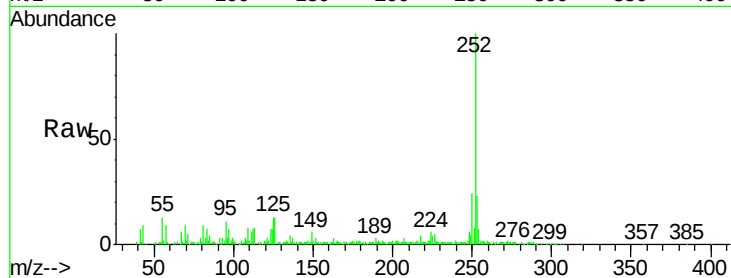
Instrument :

BNA_F

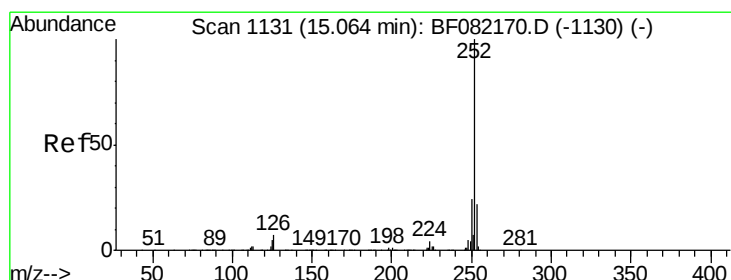
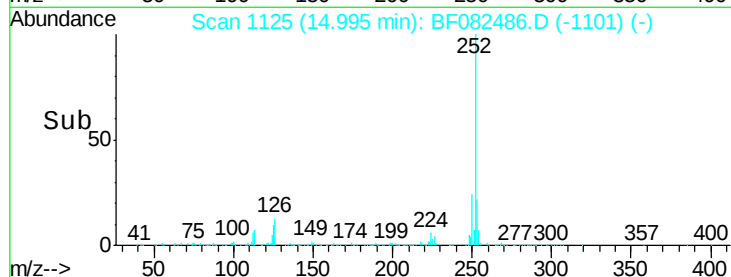
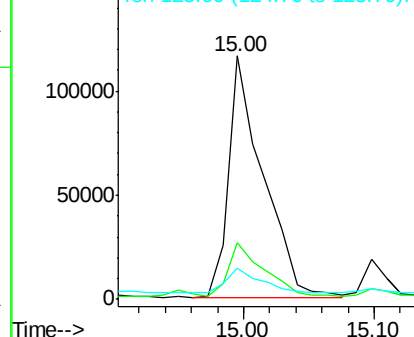
ClientSampleId :

SB15-14-4-4.5

Tot Ion:	252	Resp:	213110
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.9	8.6	12.8#



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: 19.92 ng

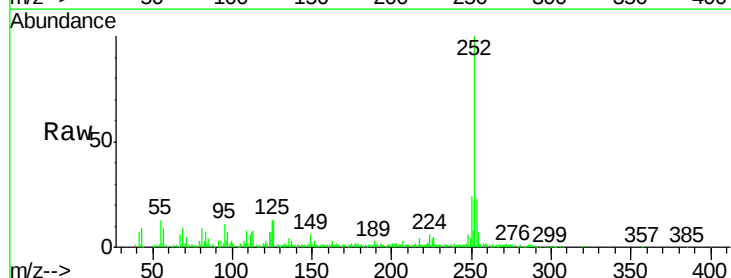
RT: 15.00 min Scan# 1125

Delta R.T. -0.05 min

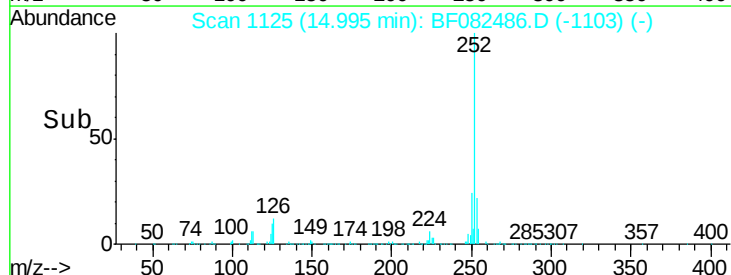
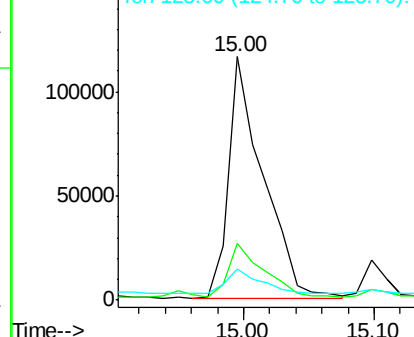
Lab File: BF082486.D

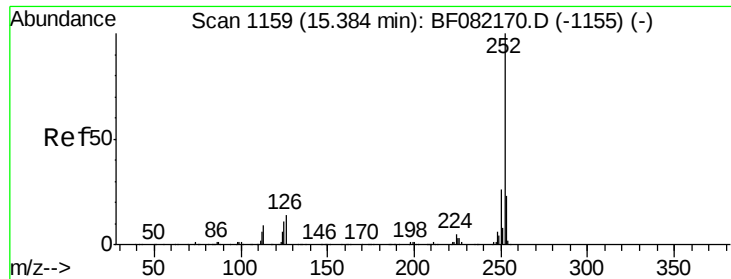
Acq: 24 Oct 2015 1:12

Tgt Ion:	252	Resp:	213110
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.9	6.7	10.1#



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: 9.54 ng

RT: 15.34 min Scan# 1155

Delta R.T. -0.02 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

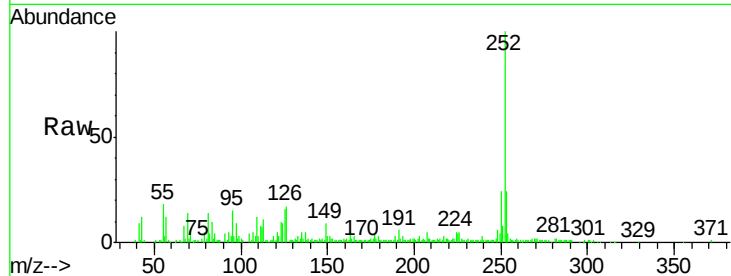
Tot Ion:252 Resp: 104379

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

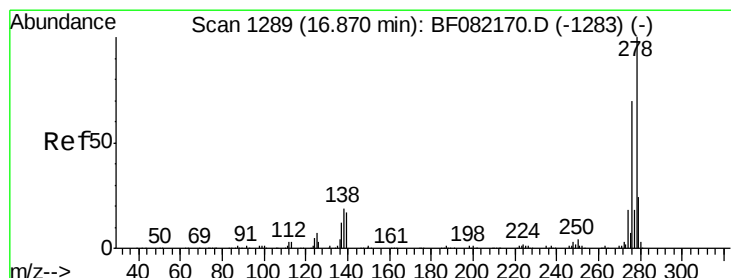
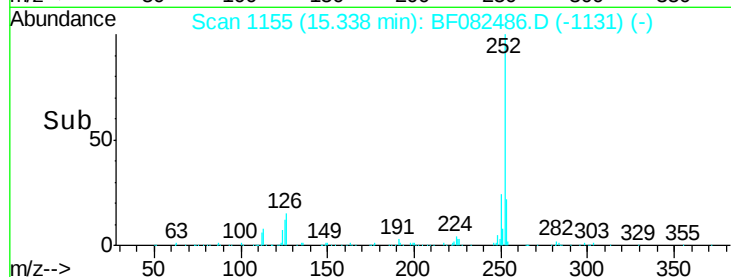
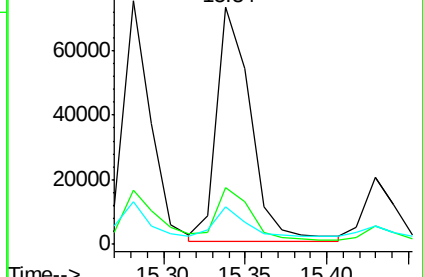
125 16.1 8.9 13.3#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.21 ng

RT: 16.79 min Scan# 1282

Delta R.T. -0.03 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

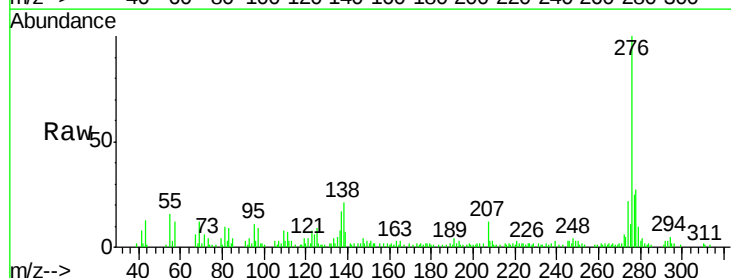
Tgt Ion:278 Resp: 19765

Ion Ratio Lower Upper

278 100

139 26.6 13.3 19.9#

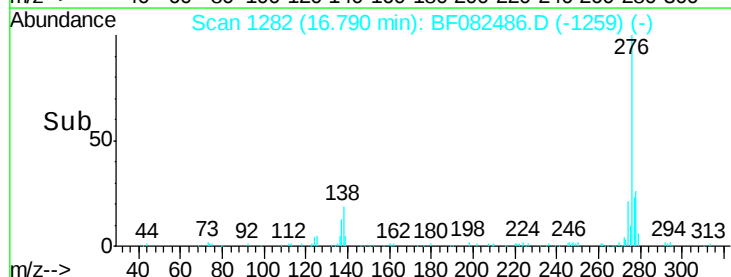
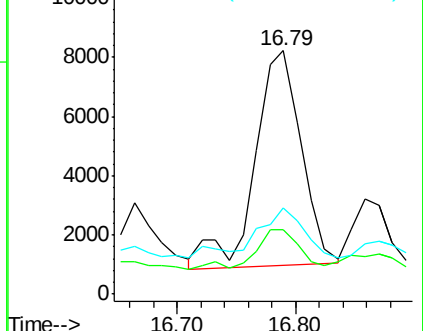
279 35.4 18.9 28.3#

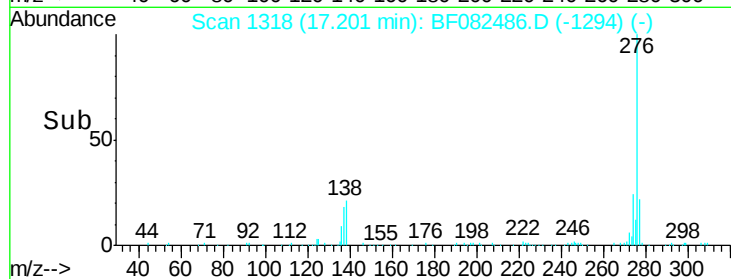
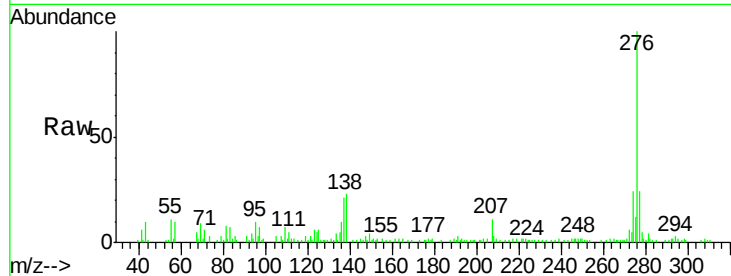
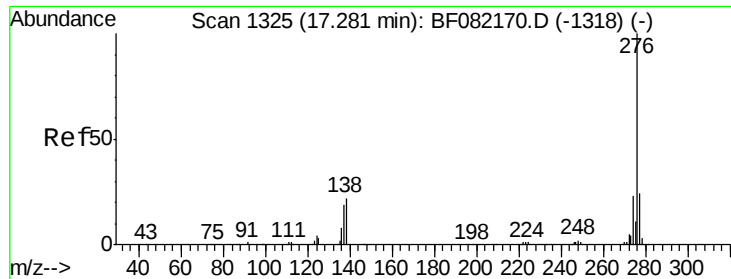


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.30 ng

RT: 17.20 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF082486.D

Acq: 24 Oct 2015 1:12

Instrument :

BNA_F

ClientSampleId :

SB15-14-4-4.5

Tot Ion: 276 Resp: 72255

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 23.0 17.4 26.2

