

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081595.D
 Acq On : 11 Sep 2015 21:47
 Operator : UM/IZ
 Sample : G3511-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Quant Time: Sep 14 07:06:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 23:14:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	55707	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	214365	20.00	ng	-0.01
38) Acenaphthene-d10	15.28	164	97060	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	176879	20.00	ng	0.00
75) Chrysene-d12	23.41	240	109490	20.00	ng	0.00
86) Perylene-d12	24.85	264	104209	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	440949	122.81	ng	0.03
7) Phenol-d6	7.68	99	608736	128.08	ng	0.00
23) Nitrobenzene-d5	9.55	82	405402	91.24	ng	0.00
41) 2,4,6-Tribromophenol	17.19	330	109622	126.84	ng	-0.01
44) 2-Fluorobiphenyl	13.80	172	675675	89.21	ng	-0.01
78) Terphenyl-d14	22.14	244	459773	97.75	ng	0.01

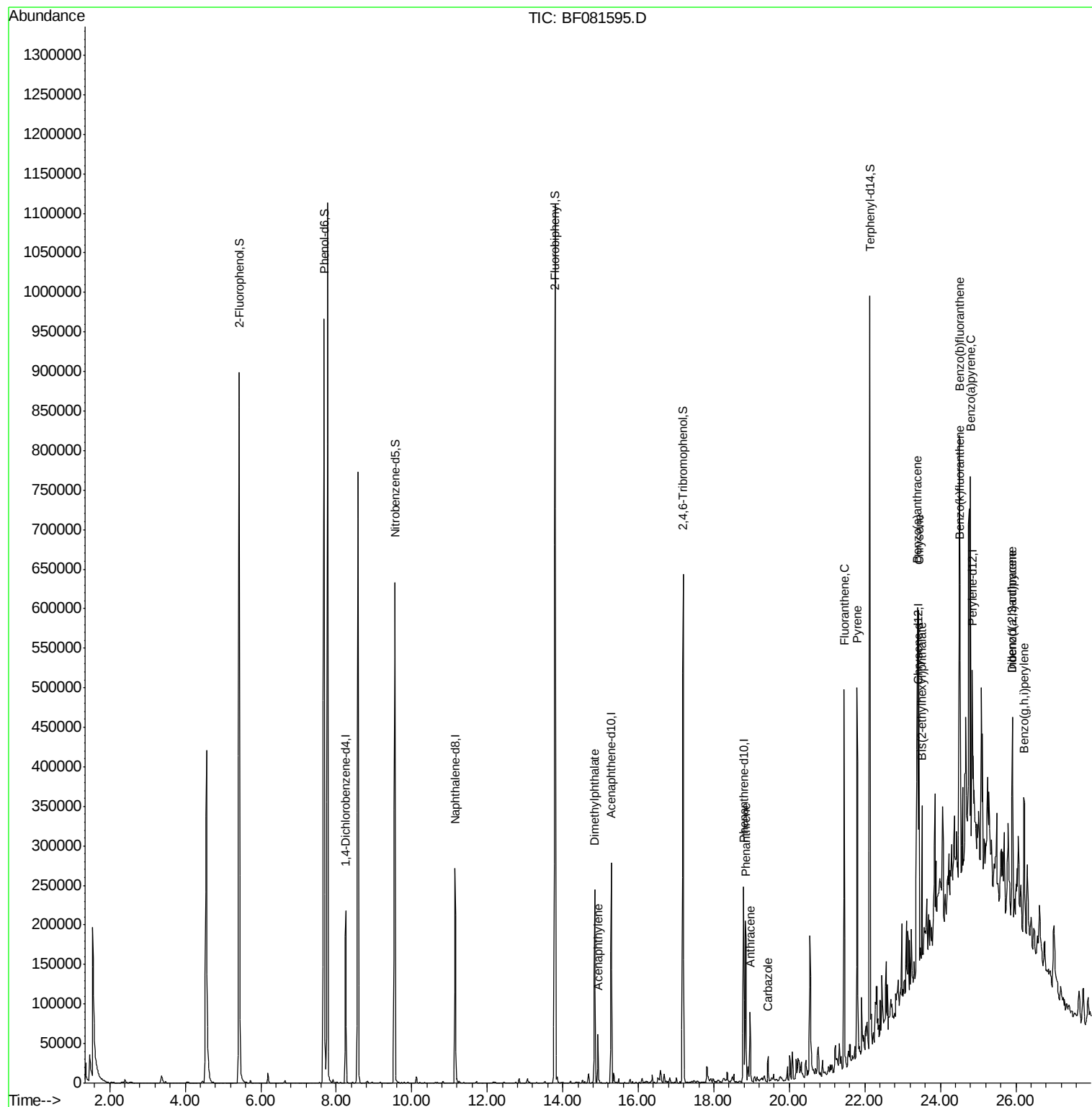
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	14.93	152	50471	4.41	ng	97
49) Dimethylphthalate	14.85	163	155683	20.64	ng	# 97
70) Phenanthrene	18.84	178	147961	15.05	ng	97
71) Anthracene	18.96	178	60732	6.01	ng	99
72) Carbazole	19.44	167	25076	2.65	ng	96
74) Fluoranthene	21.45	202	268845	25.26	ng	89
77) Pyrene	21.80	202	247022	30.46	ng	99
80) Benzo(a)anthracene	23.40	228	153446	22.01	ng	95
82) Chrysene	23.43	228	168421	26.95	ng	92
83) Bis(2-ethylhexyl)phthalate	23.51	149	28795	6.19	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.91	276	121662	26.53	ng	# 81
87) Benzo(b)fluoranthene	24.50	252	265122m	35.64	ng	
88) Benzo(k)fluoranthene	24.52	252	85918m	13.92	ng	
89) Benzo(a)pyrene	24.80	252	213138	33.81	ng	# 81
90) Dibenzo(a,h)anthracene	25.91	278	63077m	12.95	ng	
91) Benzo(g,h,i)perylene	26.22	276	125633	27.02	ng	# 75

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
Data File : BF081595.D
Acq On : 11 Sep 2015 21:47
Operator : UM/IZ
Sample : G3511-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Quant Time: Sep 14 07:06:32 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 11 23:14:51 2015
Response via : Initial Calibration



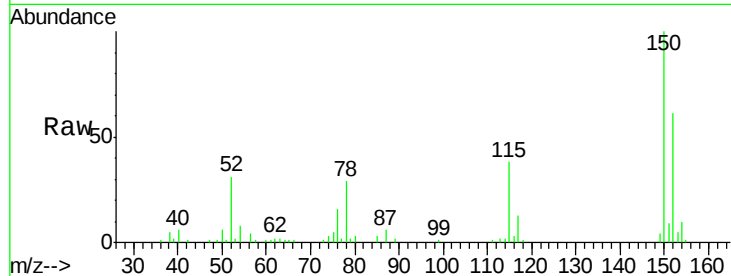


#1

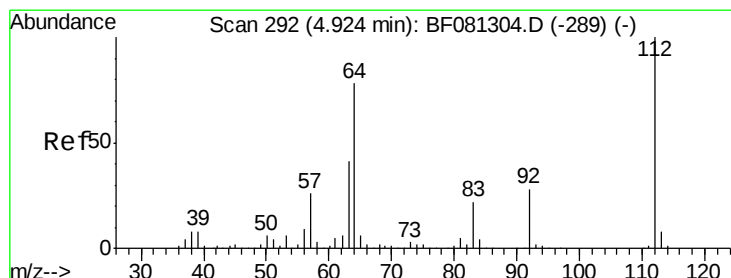
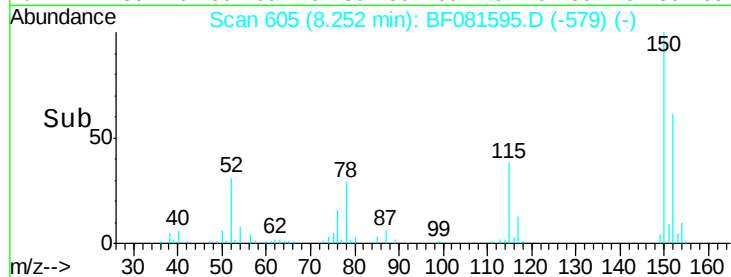
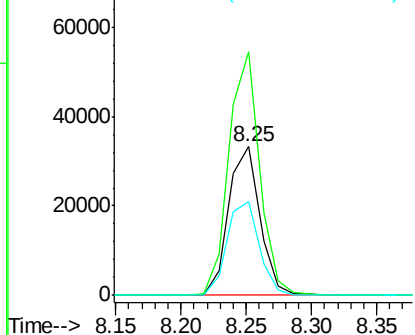
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.25 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF081595.D
Acq: 11 Sep 2015 21:47

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tgt Ion:152 Resp: 55707
Ion Ratio Lower Upper
152 100
150 163.9 124.7 187.1
115 62.9 39.0 58.4#



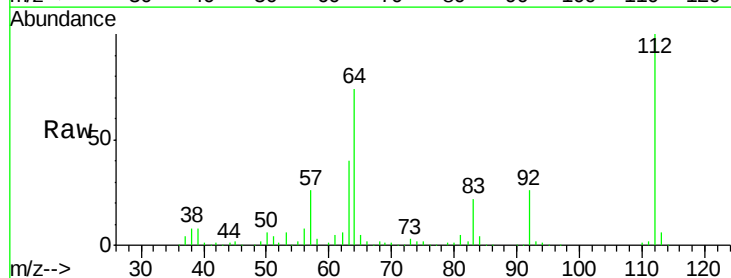
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



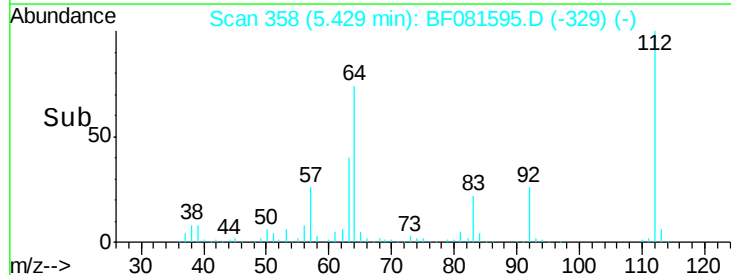
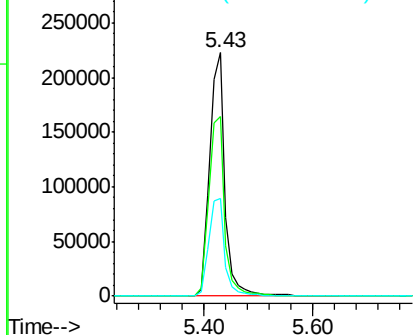
#5

2-Fluorophenol
Concen: 122.81 ng
RT: 5.43 min Scan# 358
Delta R.T. 0.03 min
Lab File: BF081595.D
Acq: 11 Sep 2015 21:47

Tgt Ion:112 Resp: 440949
Ion Ratio Lower Upper
112 100
64 73.8 39.7 59.5#
63 40.1 17.4 26.0#



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: 128.08 ng

RT: 7.68 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

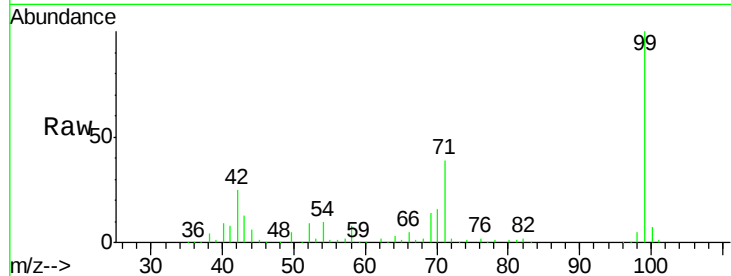
Tgt Ion: 99 Resp: 608736

Ion Ratio Lower Upper

99 100

42 24.7 13.7 20.5#

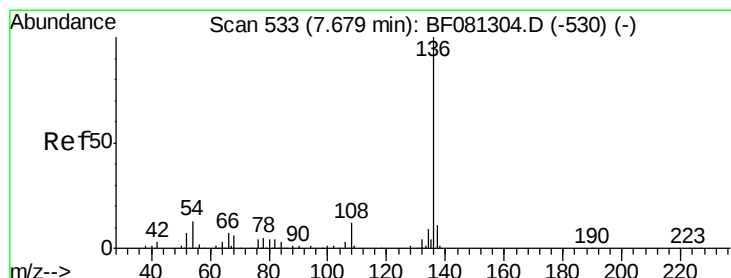
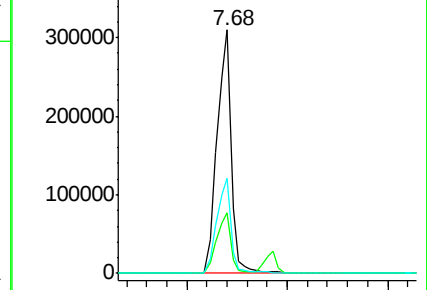
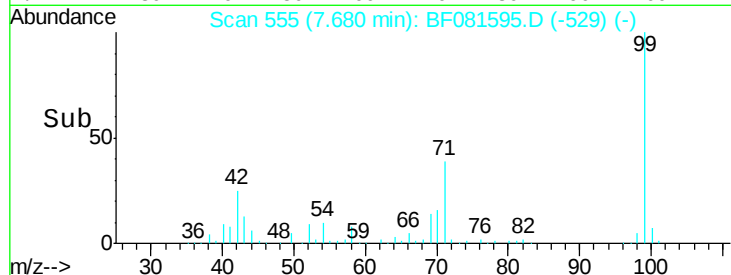
71 38.8 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.14 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Tgt Ion: 136 Resp: 214365

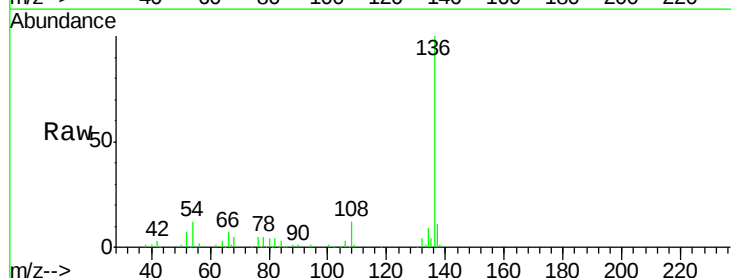
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 12.3 8.2 12.2#

68 5.3 5.8 8.6#

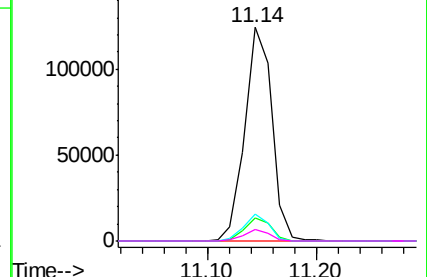
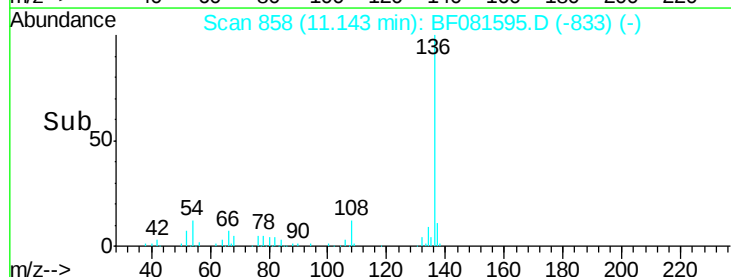


Abundance Ion 136.00 (135.70 to 136.70): E

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

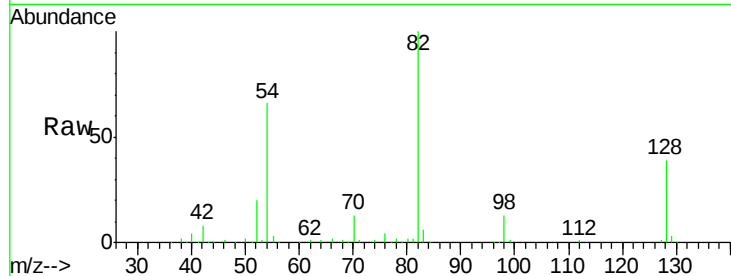




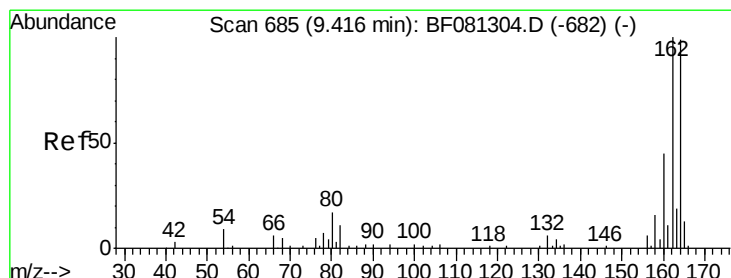
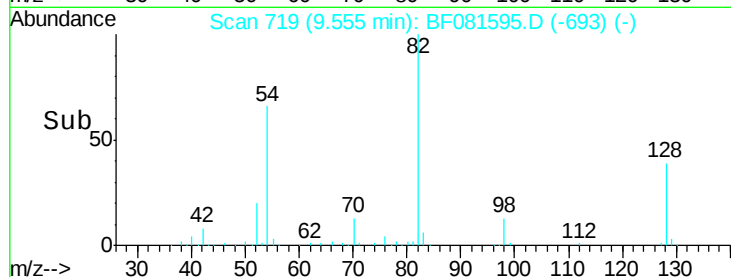
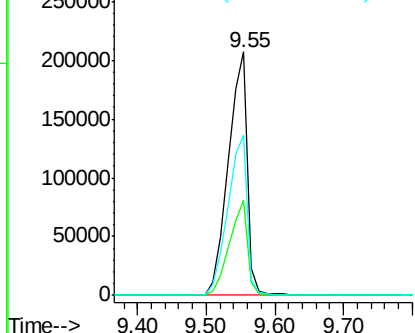
#23
 Nitrobenzene-d5
 Concen: 91.24 ng
 RT: 9.55 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Instrument :
 BNA_F
 ClientSampleID :
 SB-06(0-0.16)

Tgt Ion: 82 Resp: 405402
 Ion Ratio Lower Upper
 82 100
 128 39.2 51.0 76.6#
 54 66.2 47.5 71.3

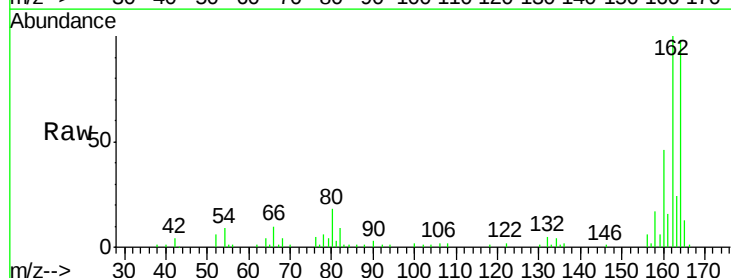


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

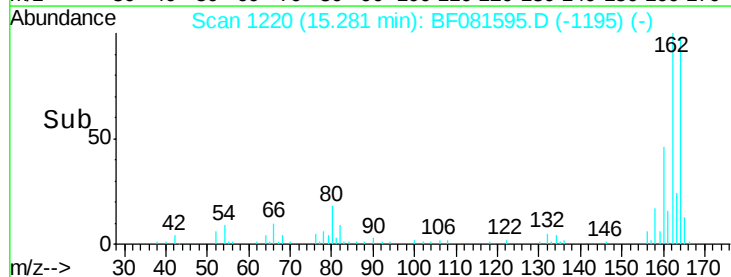
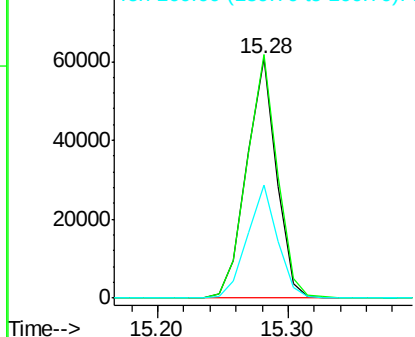


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Tgt Ion: 164 Resp: 97060
 Ion Ratio Lower Upper
 164 100
 162 101.6 75.2 112.8
 160 47.1 31.5 47.3



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

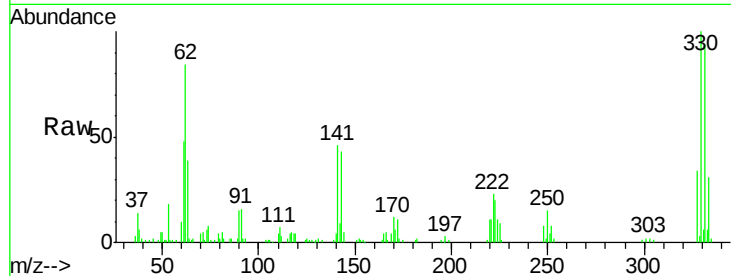




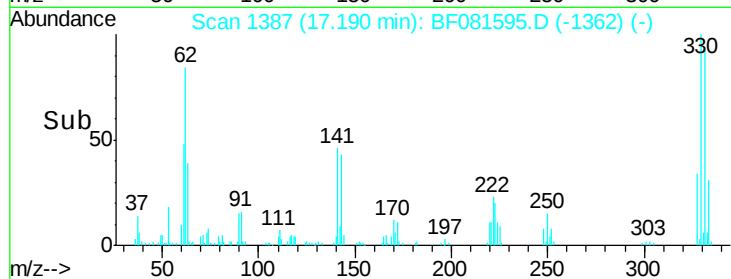
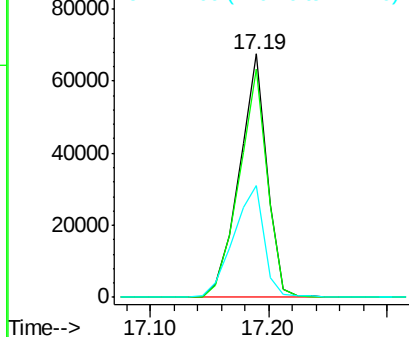
#41
 2,4,6-Tribromophenol
 Concen: 126.84 ng
 RT: 17.19 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Tgt Ion:330 Resp: 109622
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 50.5 29.7 44.5#

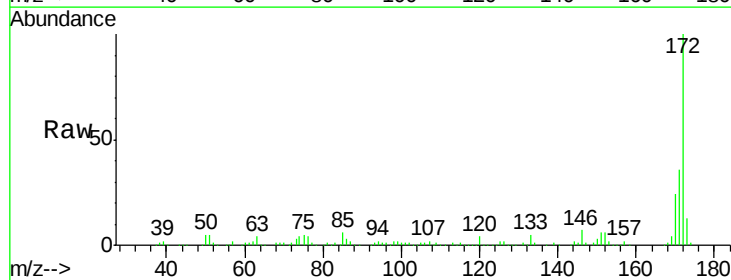


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

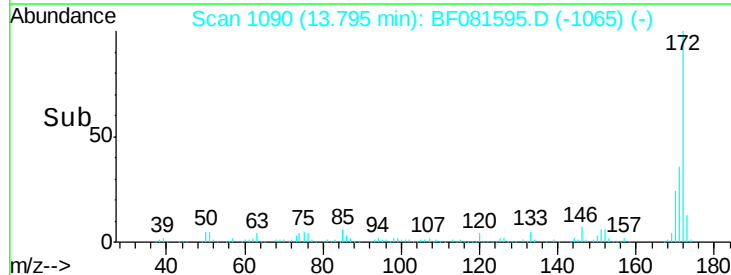
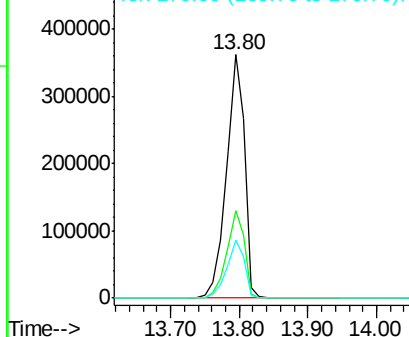


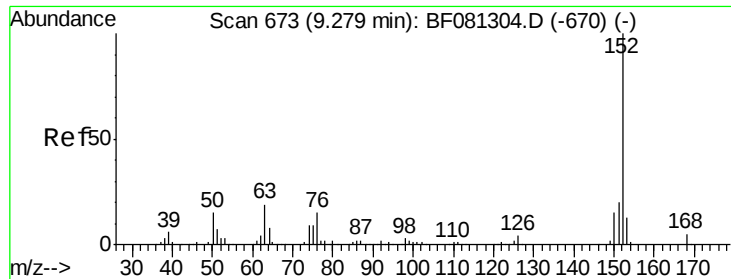
#44
 2-Fluorobiphenyl
 Concen: 89.21 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Tgt Ion:172 Resp: 675675
 Ion Ratio Lower Upper
 172 100
 171 35.8 26.1 39.1
 170 23.8 17.4 26.2



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





#48

Acenaphthylene

Concen: 4.41 ng

RT: 14.93 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

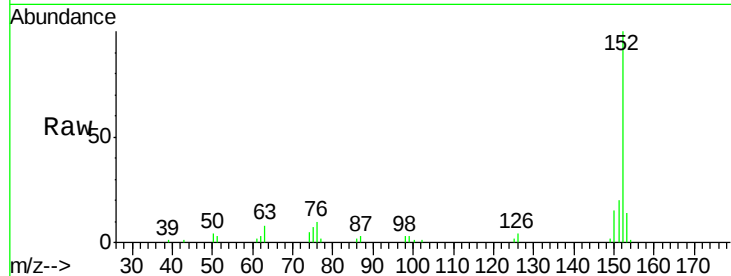
Tgt Ion:152 Resp: 50471

Ion Ratio Lower Upper

152 100

151 20.0 14.6 22.0

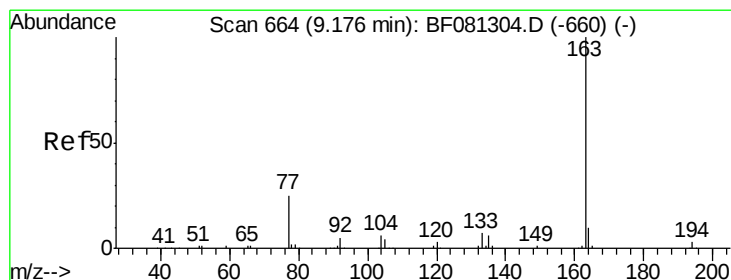
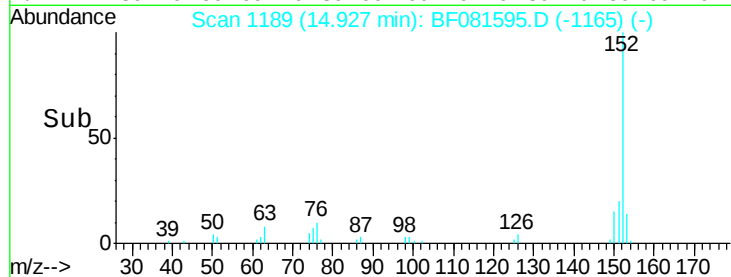
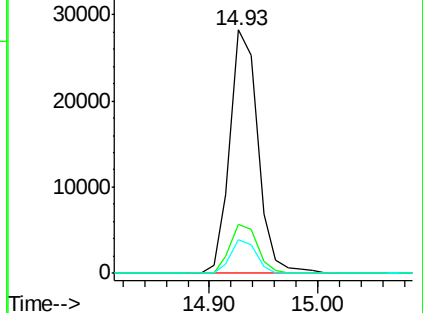
153 13.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 20.64 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

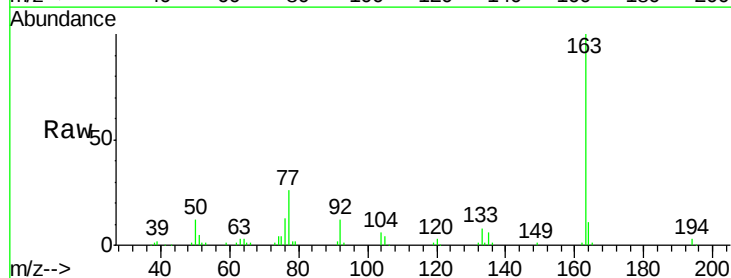
Tgt Ion:163 Resp: 155683

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

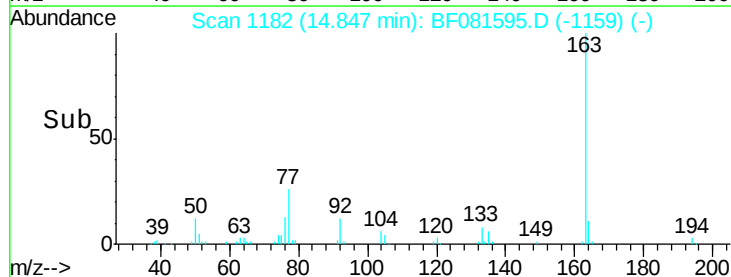
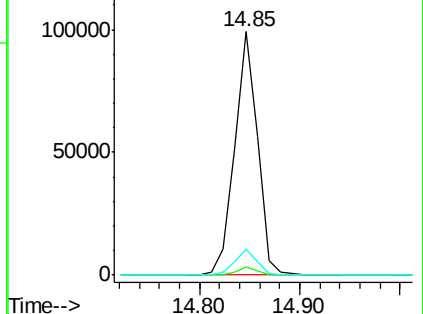
164 10.7 8.3 12.5

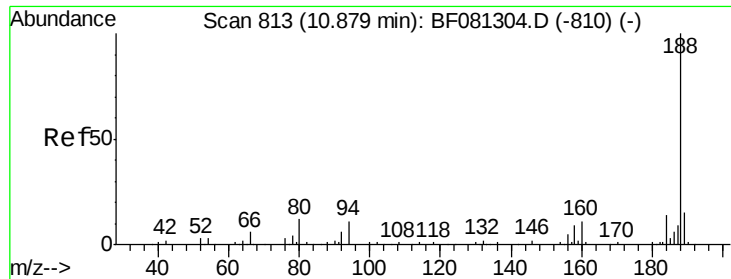


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

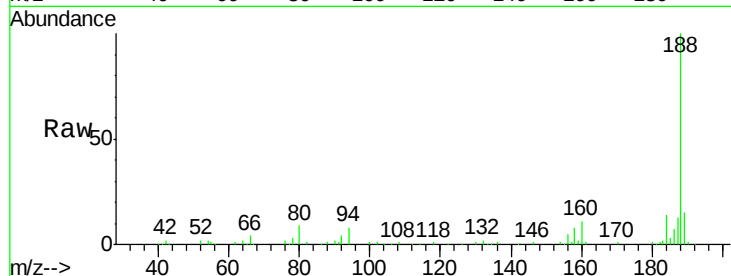




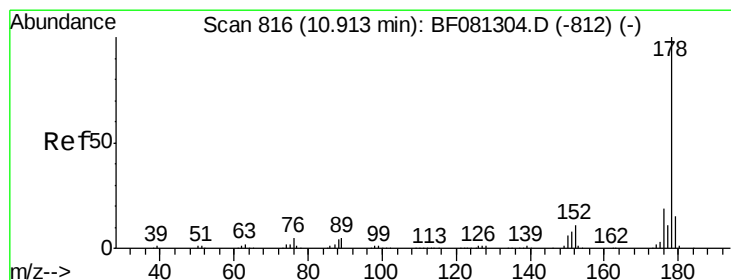
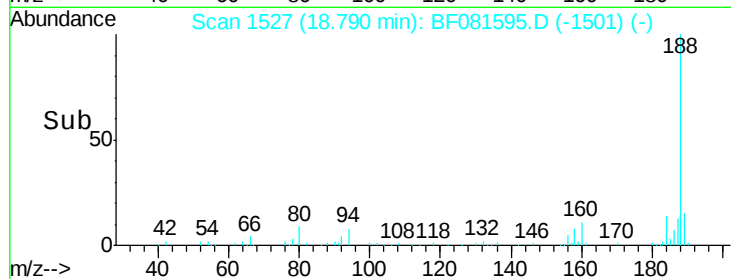
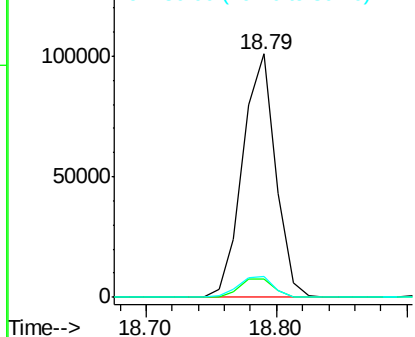
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.79 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF081595.D
Acq: 11 Sep 2015 21:47

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tgt Ion:188 Resp: 176879
Ion Ratio Lower Upper
188 100
94 7.6 11.1 16.7#
80 8.6 11.0 16.4#

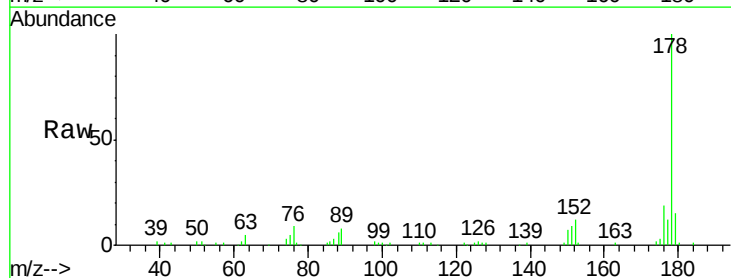


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

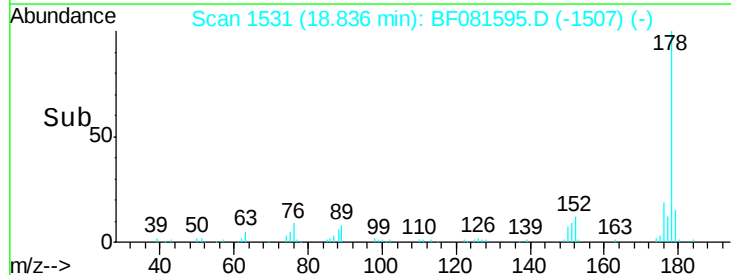
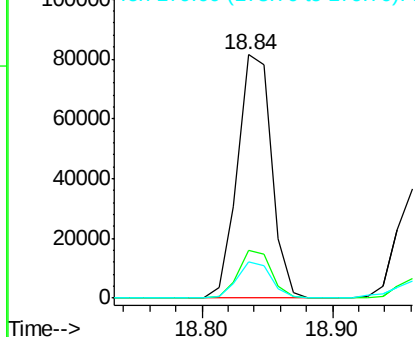


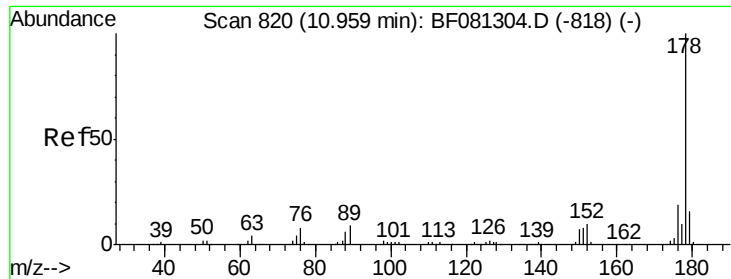
#70
Phenanthrene
Concen: 15.05 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.02 min
Lab File: BF081595.D
Acq: 11 Sep 2015 21:47

Tgt Ion:178 Resp: 147961
Ion Ratio Lower Upper
178 100
176 19.4 13.8 20.8
179 14.8 12.2 18.2



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

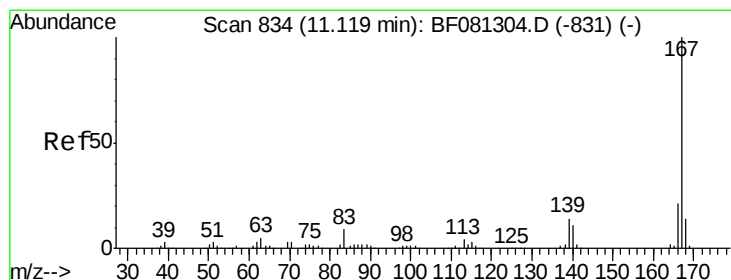
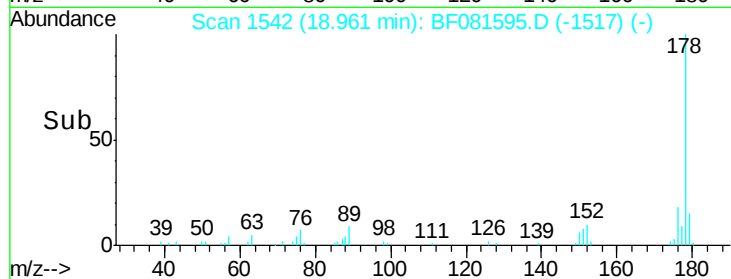
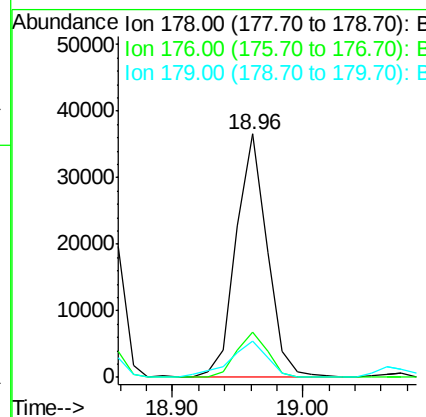
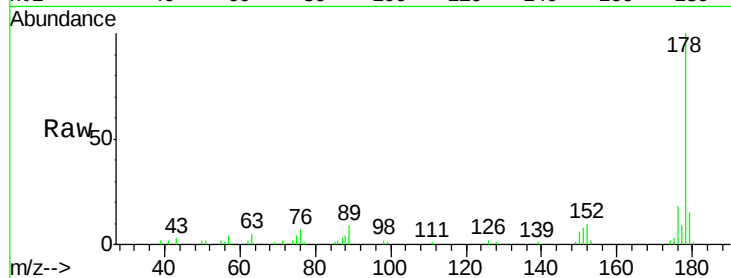




#71
 Anthracene
 Concen: 6.01 ng
 RT: 18.96 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

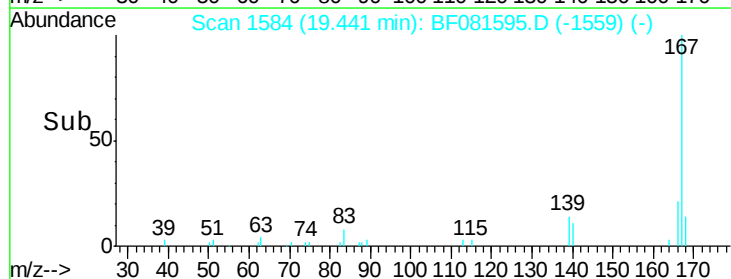
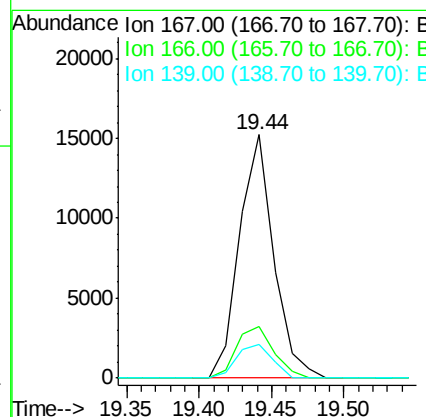
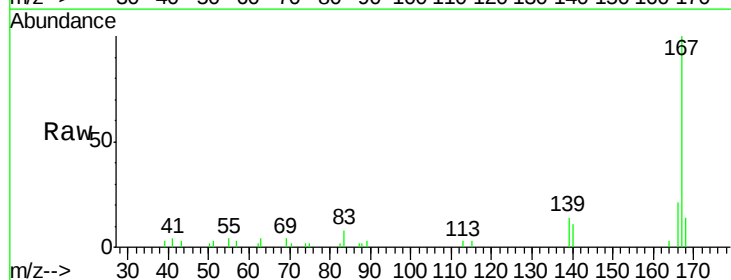
Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

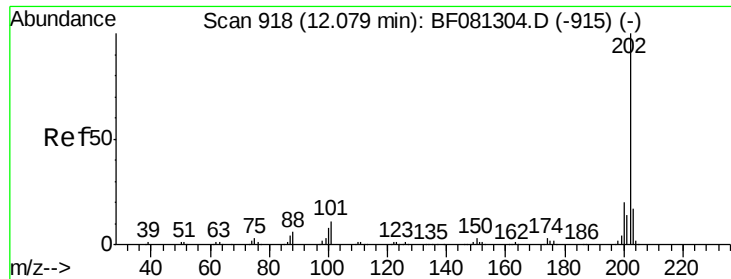
Tgt Ion:178 Resp: 60732
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.1 21.1
 179 15.1 12.2 18.2



#72
 Carbazole
 Concen: 2.65 ng
 RT: 19.44 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Tgt Ion:167 Resp: 25076
 Ion Ratio Lower Upper
 167 100
 166 21.3 15.7 23.5
 139 13.9 9.5 14.3





#74

Fluoranthene

Concen: 25.26 ng

RT: 21.45 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

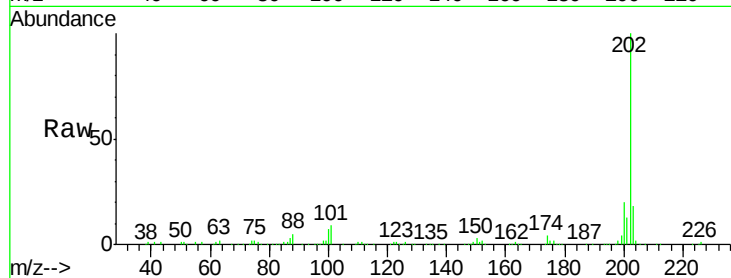
Tgt Ion: 202 Resp: 268845

Ion Ratio Lower Upper

202 100

101 9.0 0.0 38.3

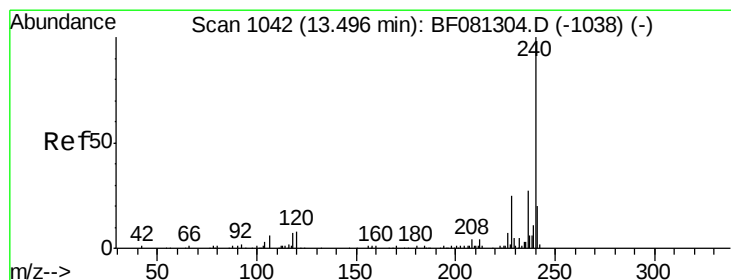
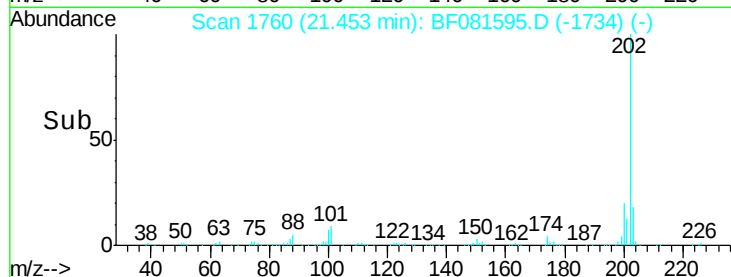
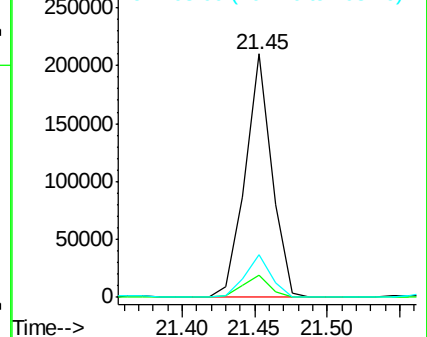
203 17.5 0.0 37.3



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: 23.41 min Scan# 1931

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

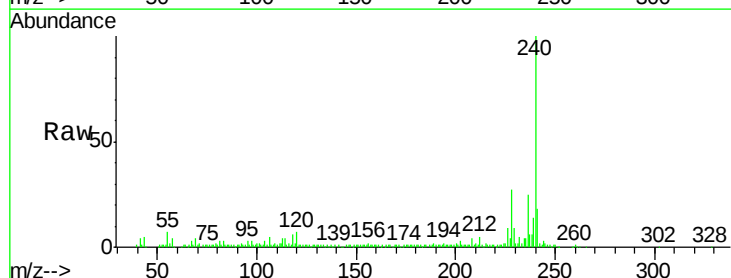
Tgt Ion: 240 Resp: 109490

Ion Ratio Lower Upper

240 100

120 6.8 16.2 24.2#

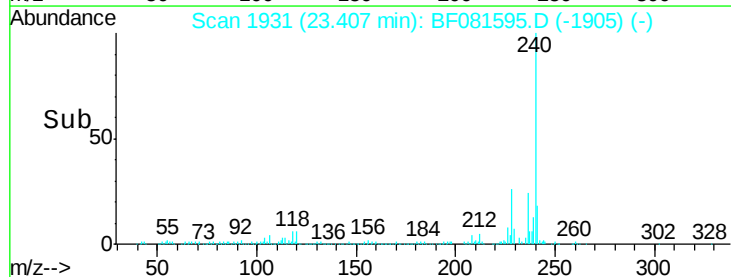
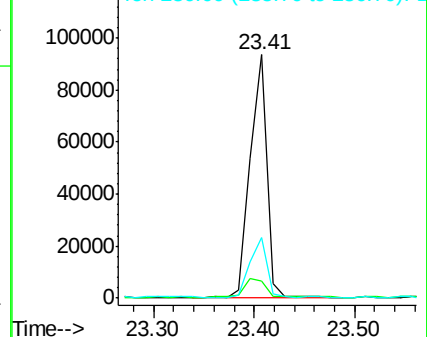
236 24.8 18.4 27.6

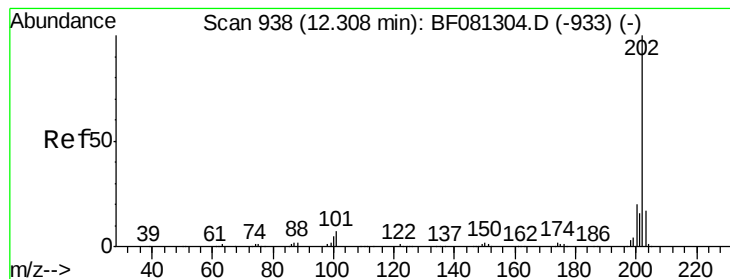


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 30.46 ng

RT: 21.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

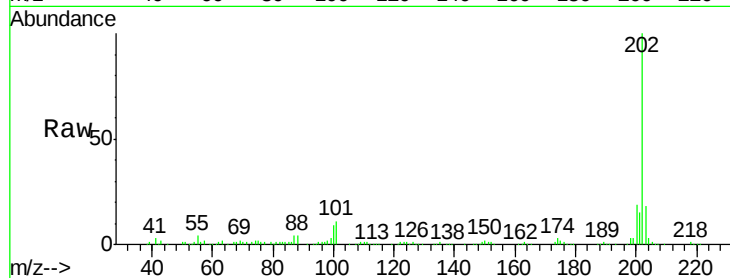
Tgt Ion: 202 Resp: 247022

Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

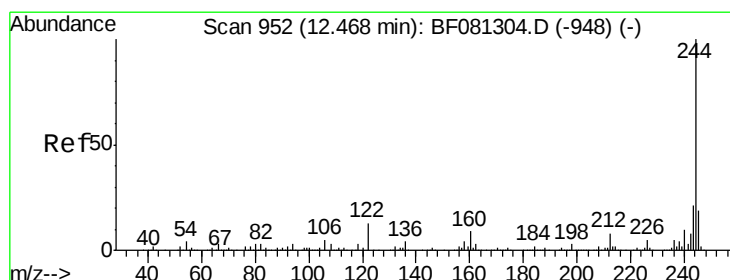
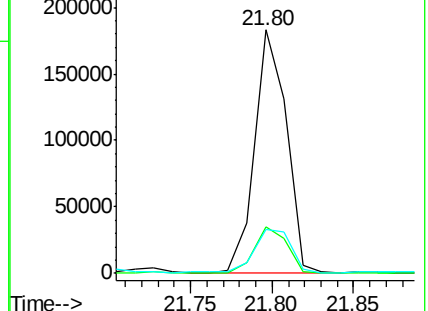
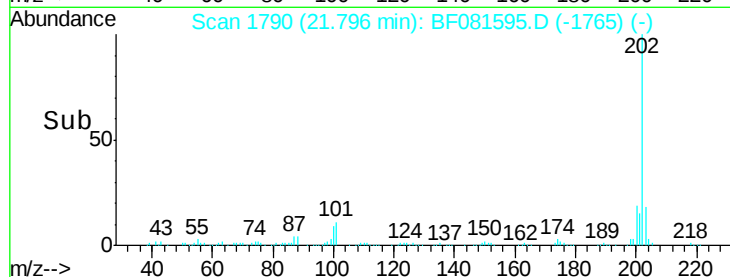
203 18.2 14.1 21.1



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: 97.75 ng

RT: 22.14 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

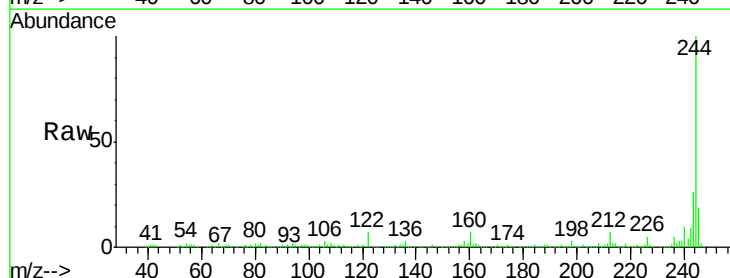
Tgt Ion: 244 Resp: 459773

Ion Ratio Lower Upper

244 100

212 7.4 4.3 6.5#

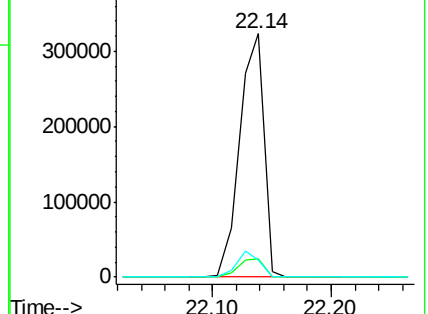
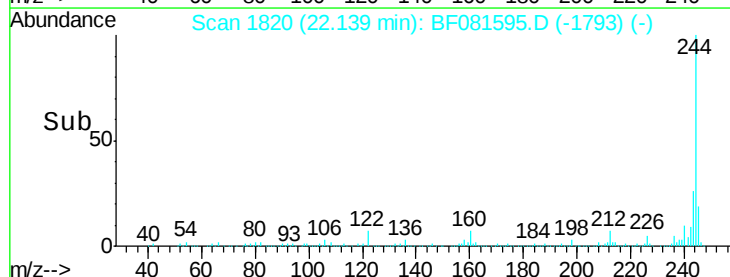
122 7.0 17.4 26.2#

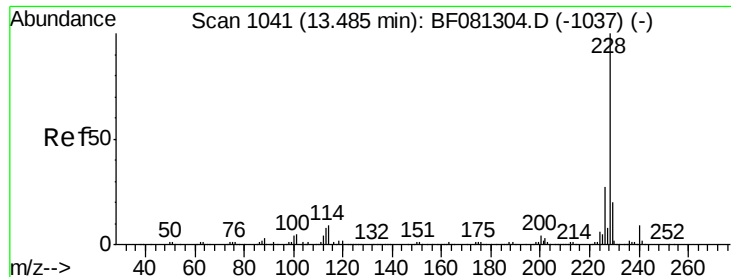


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 22.01 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

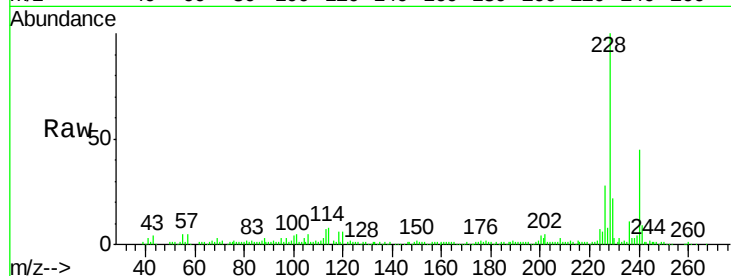
Tgt Ion:228 Resp: 153446

Ion Ratio Lower Upper

228 100

226 27.6 20.0 30.0

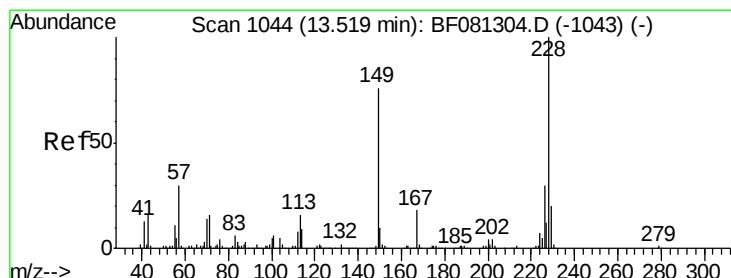
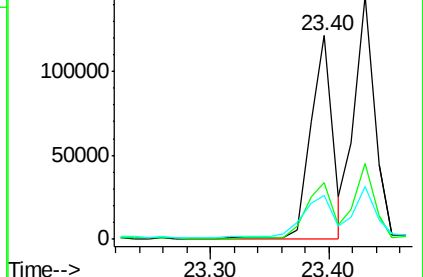
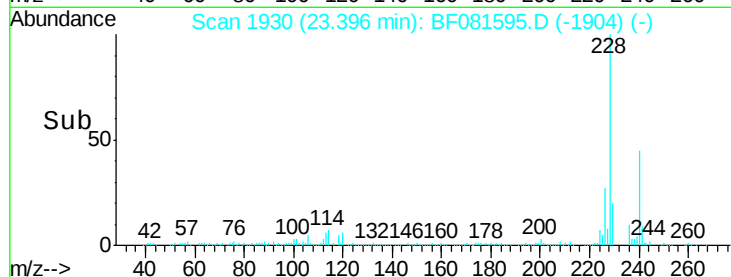
229 21.5 15.4 23.2



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: 26.95 ng

RT: 23.43 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

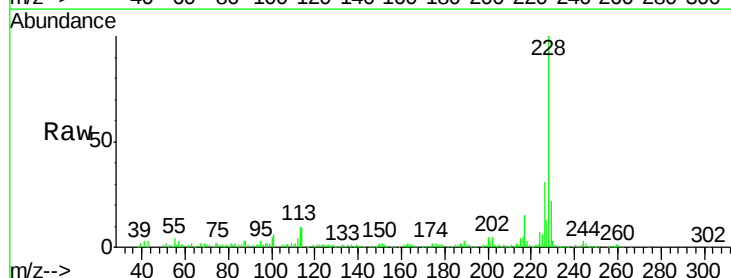
Tgt Ion:228 Resp: 168421

Ion Ratio Lower Upper

228 100

226 31.1 21.0 31.4

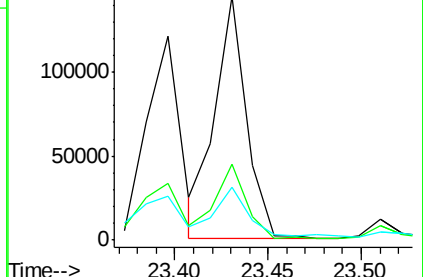
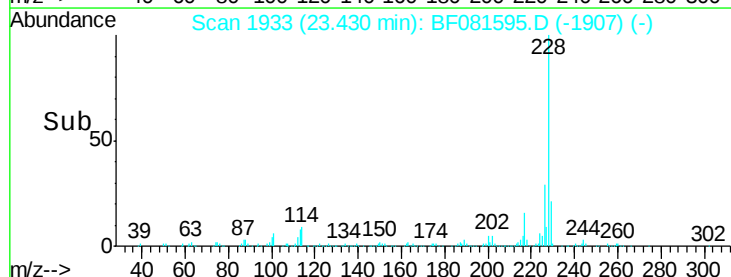
229 21.9 15.6 23.4

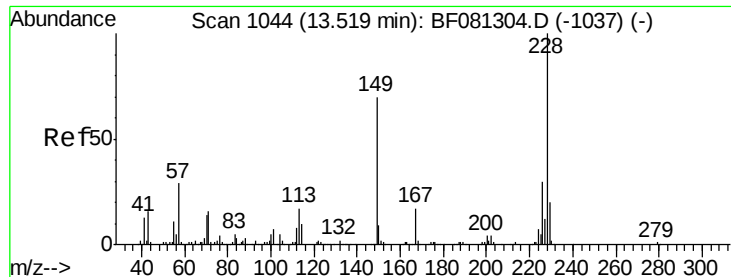


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

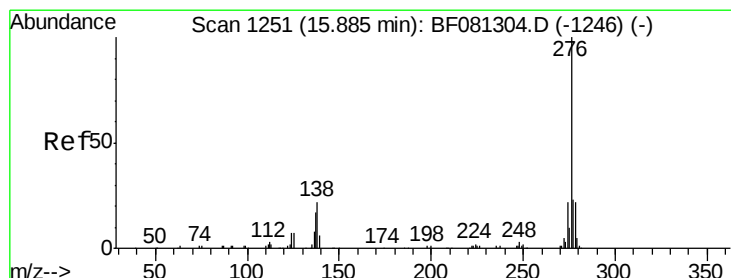
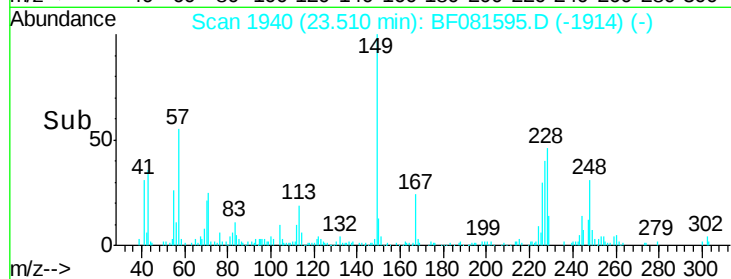
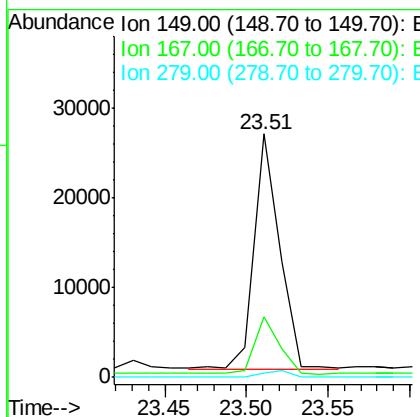
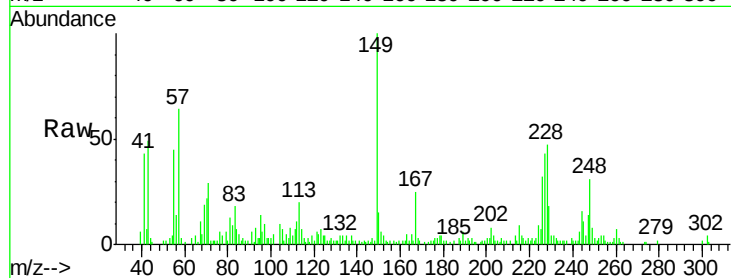




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.19 ng
 RT: 23.51 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

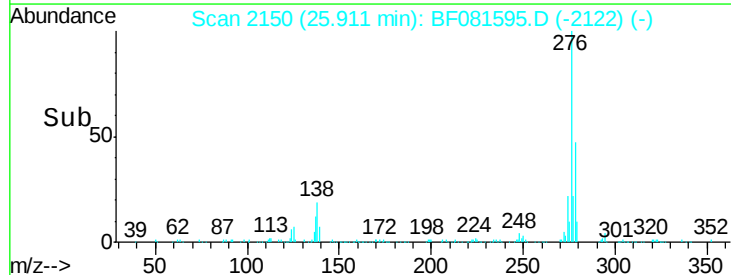
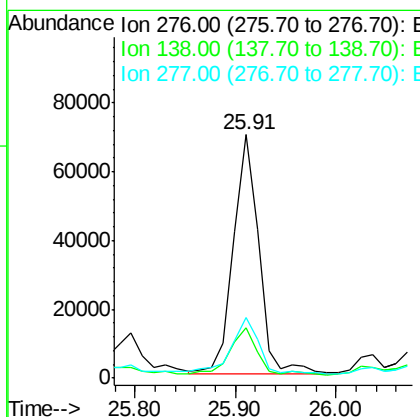
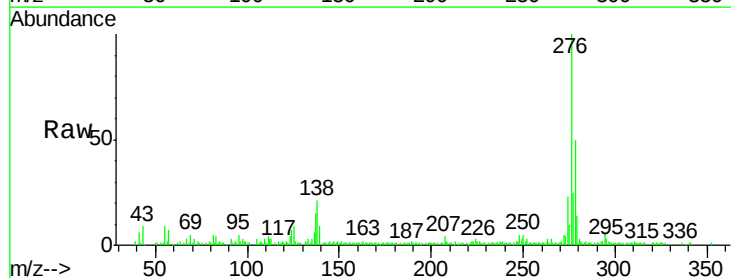
Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

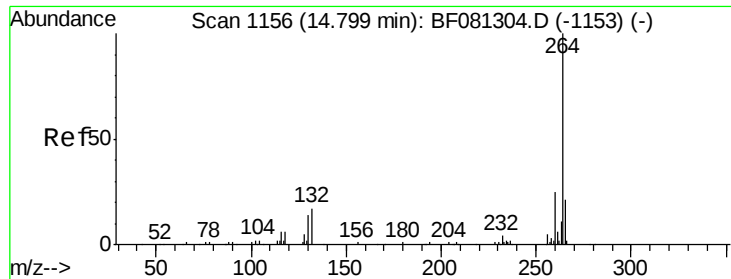
Tgt Ion:149 Resp: 28795
 Ion Ratio Lower Upper
 149 100
 167 24.6 24.2 36.2
 279 1.7 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 26.53 ng
 RT: 25.91 min Scan# 2150
 Delta R.T. 0.02 min
 Lab File: BF081595.D
 Acq: 11 Sep 2015 21:47

Tgt Ion:276 Resp: 121662
 Ion Ratio Lower Upper
 276 100
 138 20.2 25.7 38.5#
 277 26.4 15.6 23.4#





#86

Perylene-d12

Concen: 20.00 ng

RT: 24.85 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

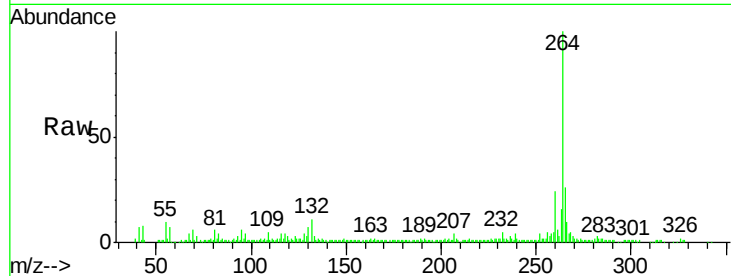
Tgt Ion:264 Resp: 104209

Ion Ratio Lower Upper

264 100

260 23.9 16.7 25.1

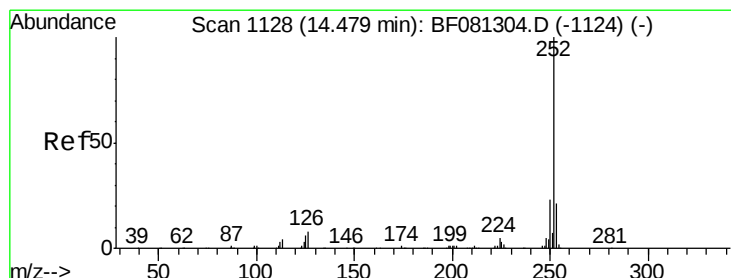
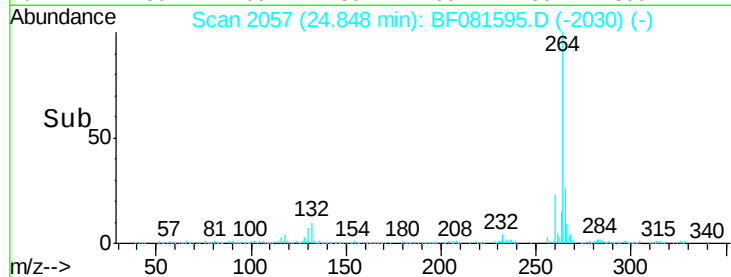
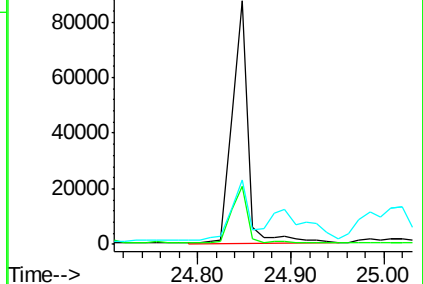
265 26.4 17.2 25.8#



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: 35.64 ng m

RT: 24.50 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

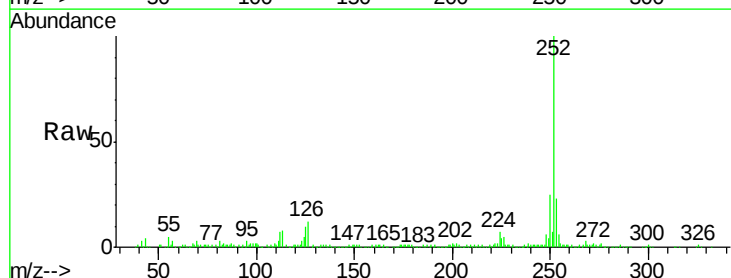
Tgt Ion:252 Resp: 265122

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

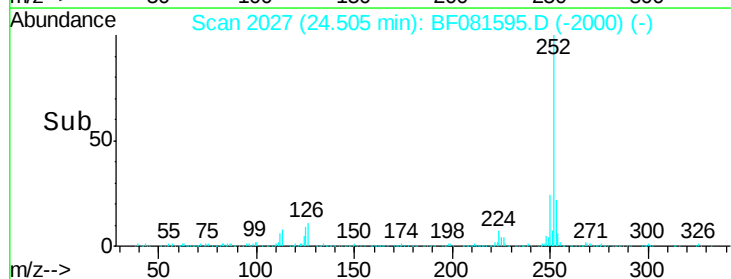
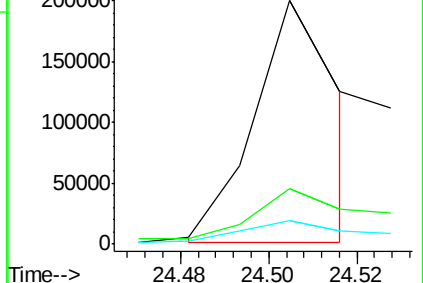
125 9.8 17.1 25.7#

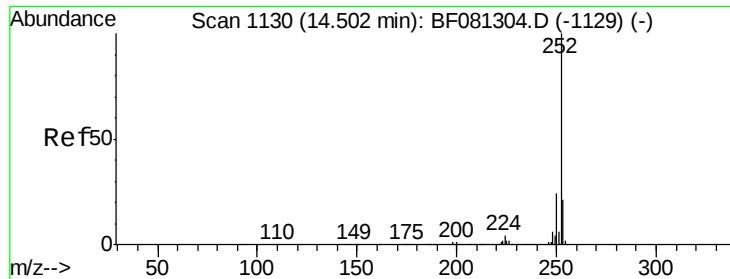


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.92 ng m

RT: 24.52 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

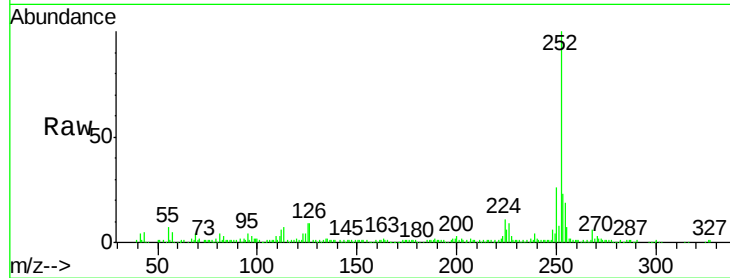
Tgt Ion:252 Resp: 85918

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

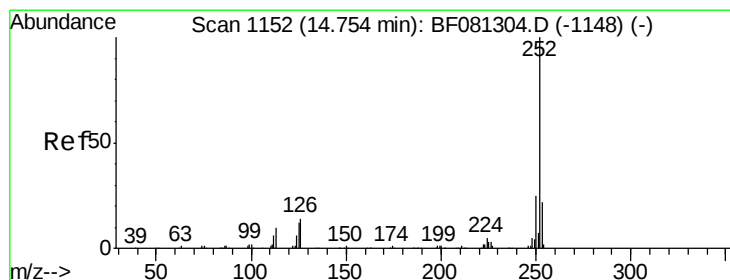
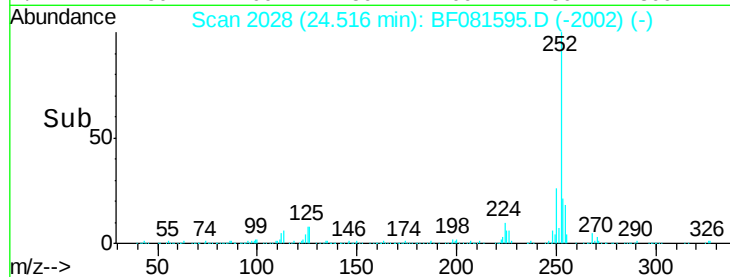
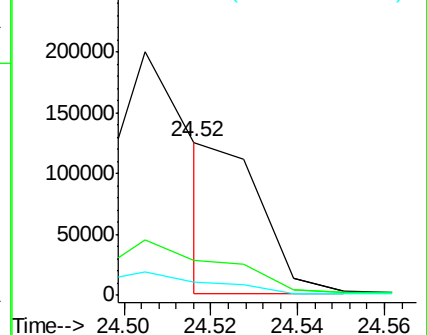
125 8.6 16.0 24.0#



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



#89

Benzo(a)pyrene

Concen: 33.81 ng

RT: 24.80 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

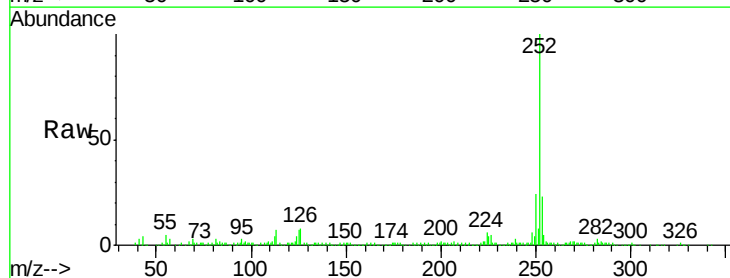
Tgt Ion:252 Resp: 213138

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

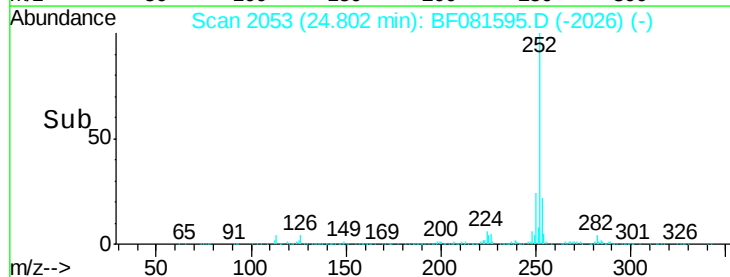
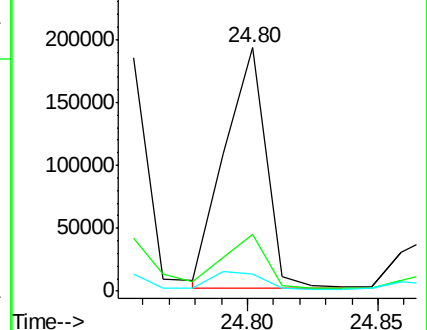
125 6.9 18.0 27.0#

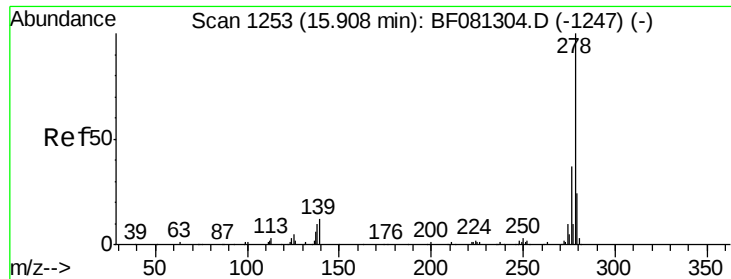


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 12.95 ng m

RT: 25.91 min Scan# 2150

Delta R.T. 0.01 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

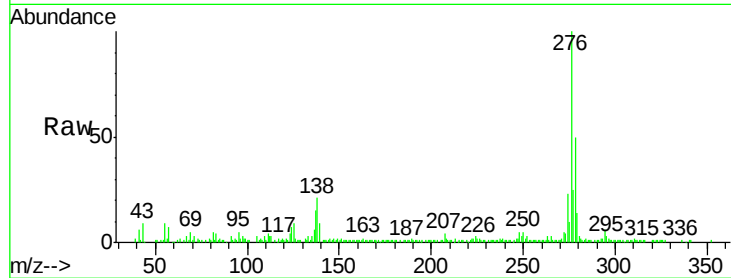
Tgt Ion:278 Resp: 63077

Ion Ratio Lower Upper

278 100

139 17.4 26.3 39.5#

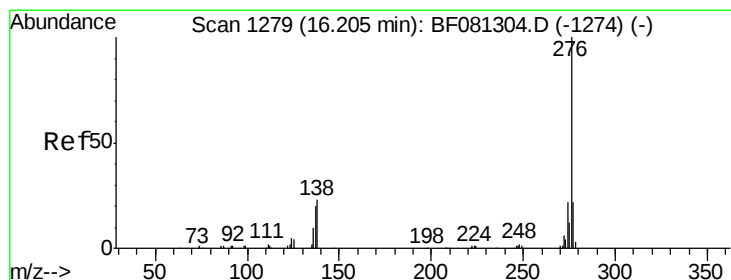
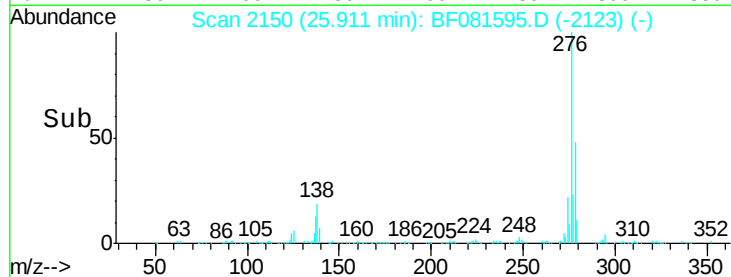
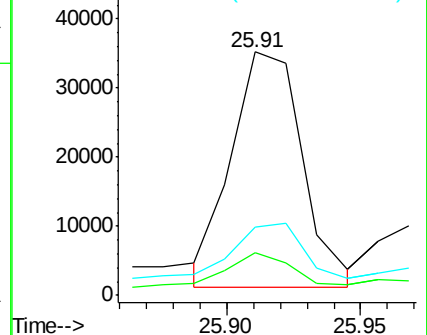
279 28.2 18.2 27.4#



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(g,h,i)perylene

Concen: 27.02 ng

RT: 26.22 min Scan# 2177

Delta R.T. 0.02 min

Lab File: BF081595.D

Acq: 11 Sep 2015 21:47

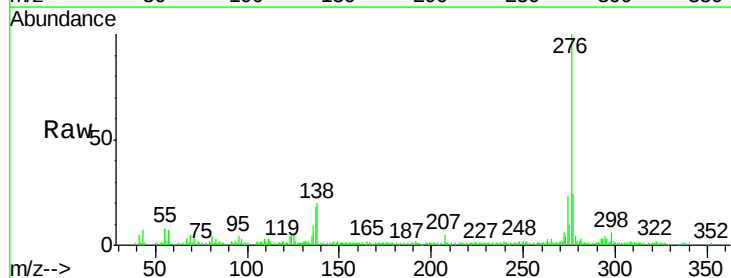
Tgt Ion:276 Resp: 125633

Ion Ratio Lower Upper

276 100

277 23.9 17.8 26.6

138 20.0 34.6 51.8#



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

