

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081591.D
 Acq On : 11 Sep 2015 19:19
 Operator : UM/IZ
 Sample : G3511-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Quant Time: Sep 14 05:56:54 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

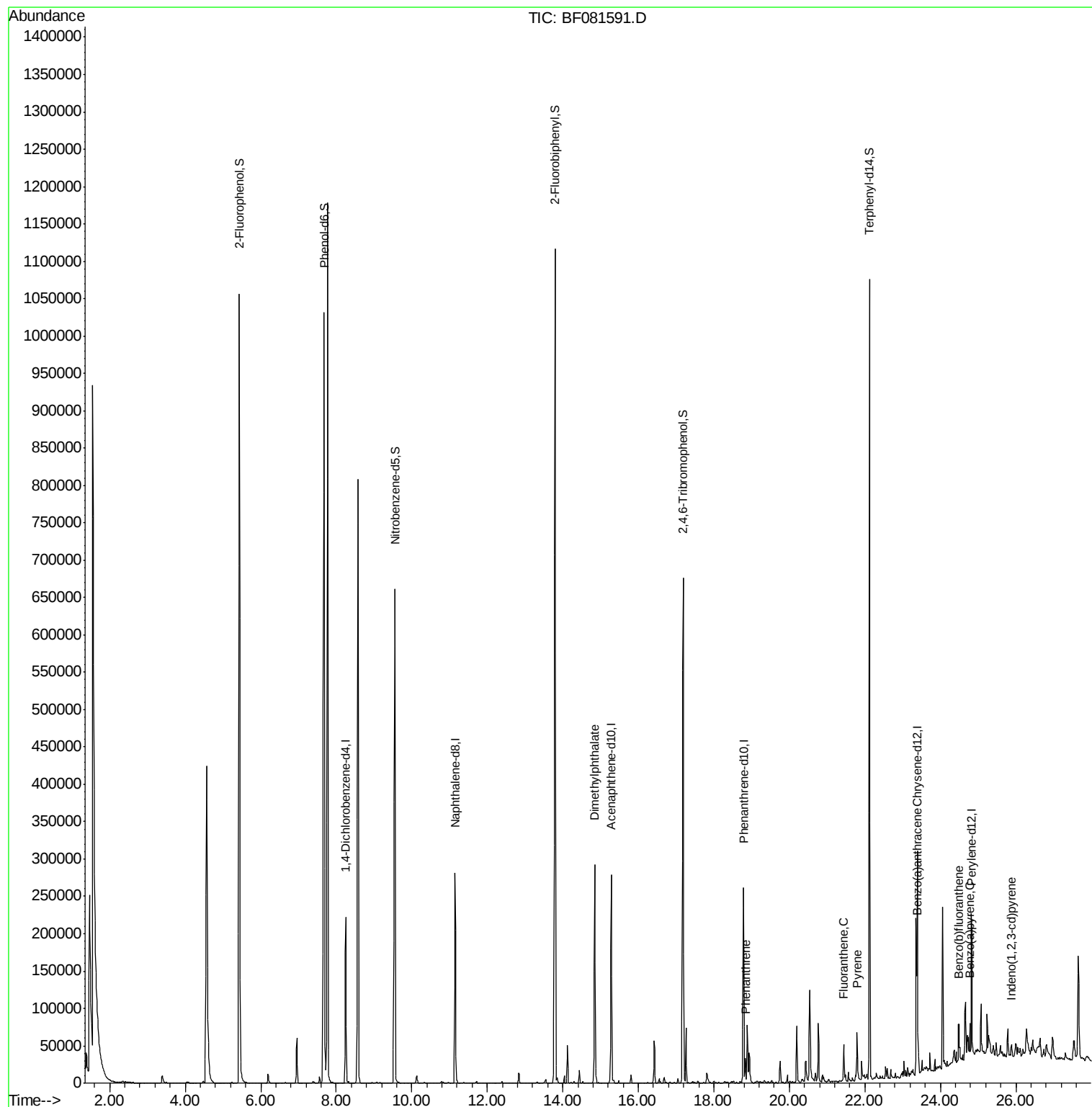
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	55168	20.00	ng	0.00
21) Naphthalene-d8	11.14	136	221083	20.00	ng	-0.01
38) Acenaphthene-d10	15.28	164	99395	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	184698	20.00	ng	0.00
75) Chrysene-d12	23.40	240	103245	20.00	ng	-0.01
86) Perylene-d12	24.84	264	91130	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	475971	133.86	ng	0.03
7) Phenol-d6	7.68	99	645689	137.19	ng	0.00
23) Nitrobenzene-d5	9.55	82	437863	95.55	ng	0.00
41) 2,4,6-Tribromophenol	17.19	330	121741	137.56	ng	-0.01
44) 2-Fluorobiphenyl	13.80	172	659885	85.08	ng	-0.01
78) Terphenyl-d14	22.13	244	395508	89.17	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.85	163	190080	24.61	ng	# 97
70) Phenanthrene	18.84	178	23947	2.33	ng	97
74) Fluoranthene	21.44	202	32868	2.96	ng	91
77) Pyrene	21.80	202	27913	3.65	ng	# 94
80) Benzo(a)anthracene	23.38	228	14221	2.16	ng	92
85) Indeno(1,2,3-cd)pyrene	25.89	276	9118	2.11	ng	# 83
87) Benzo(b)fluoranthene	24.49	252	16865m	2.59	ng	
89) Benzo(a)pyrene	24.78	252	13119	2.38	ng	# 89

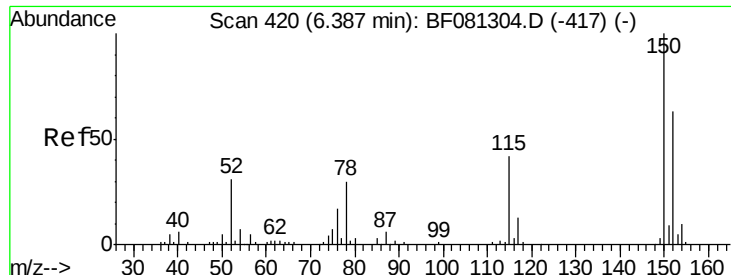
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.25 min Scan# 605

Delta R.T. 0.00 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

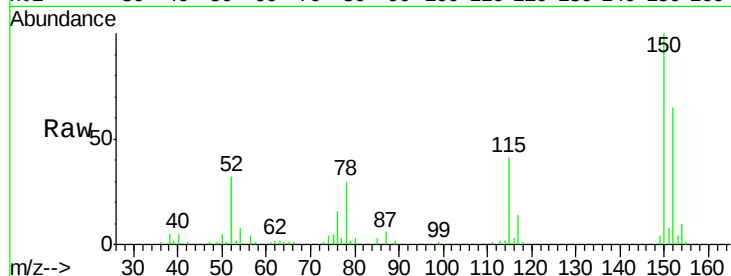
Tgt Ion:152 Resp: 55168

Ion Ratio Lower Upper

152 100

150 153.0 124.7 187.1

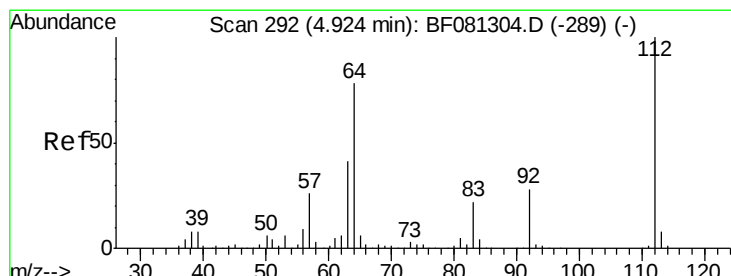
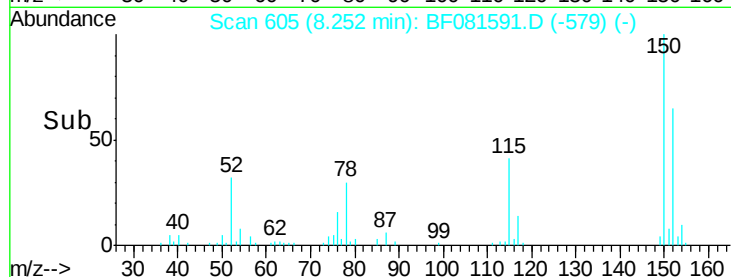
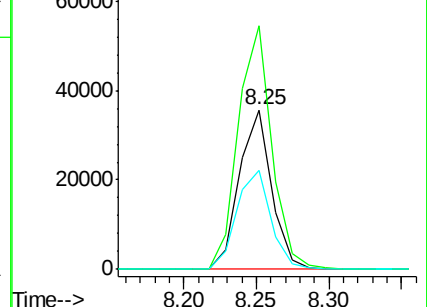
115 62.5 39.0 58.4#



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: 133.86 ng

RT: 5.43 min Scan# 358

Delta R.T. 0.03 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

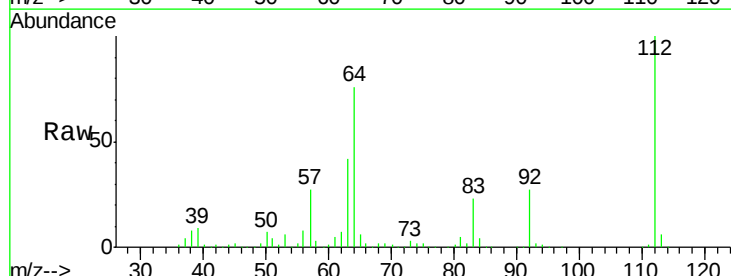
Tgt Ion:112 Resp: 475971

Ion Ratio Lower Upper

112 100

64 76.4 39.7 59.5#

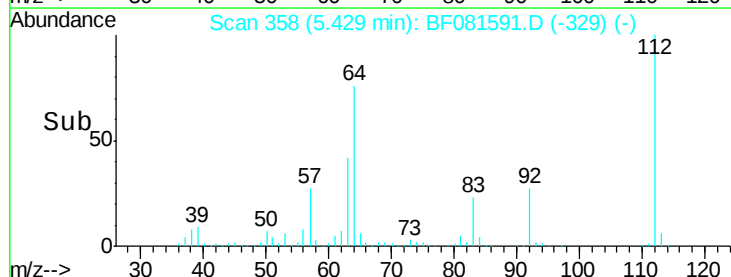
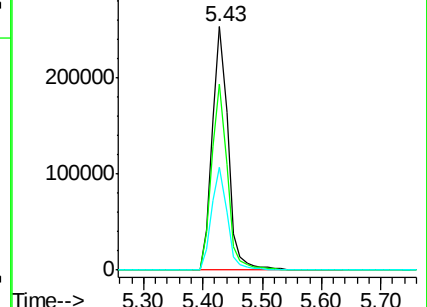
63 42.0 17.4 26.0#

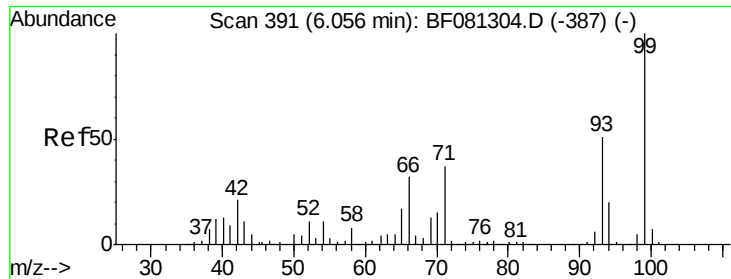


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.19 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

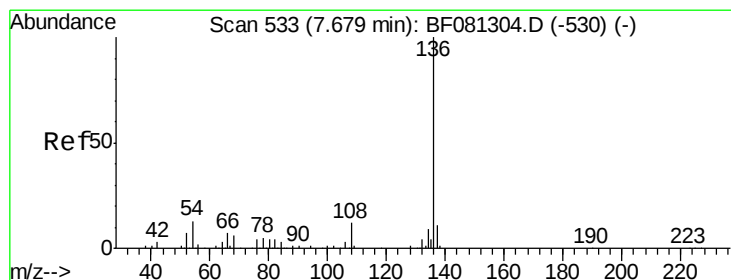
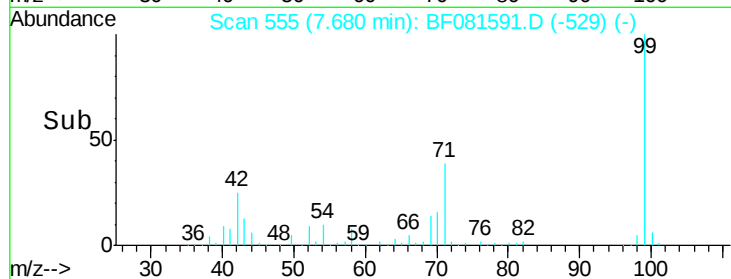
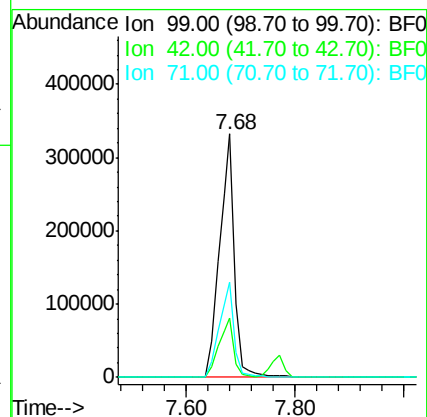
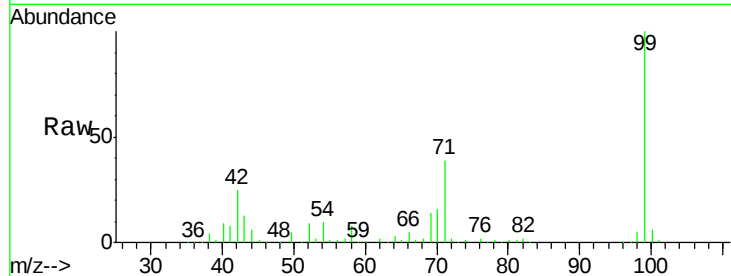
Tgt Ion: 99 Resp: 645689

Ion Ratio Lower Upper

99 100

42 24.5 13.7 20.5#

71 39.0 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.14 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Tgt Ion: 136 Resp: 221083

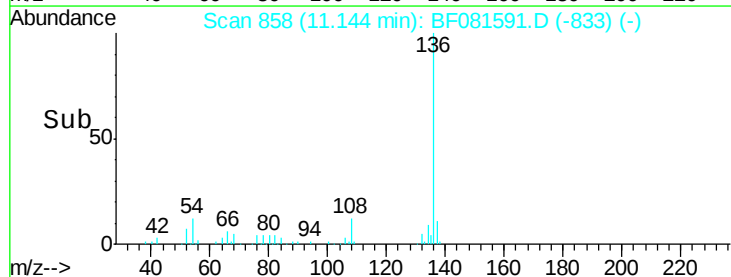
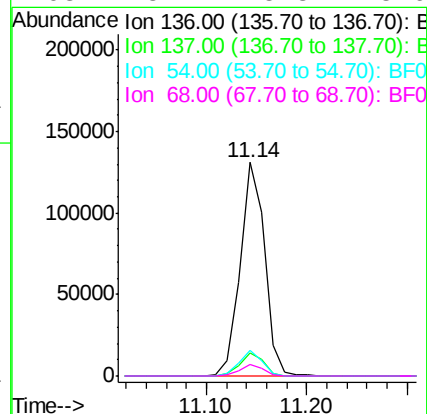
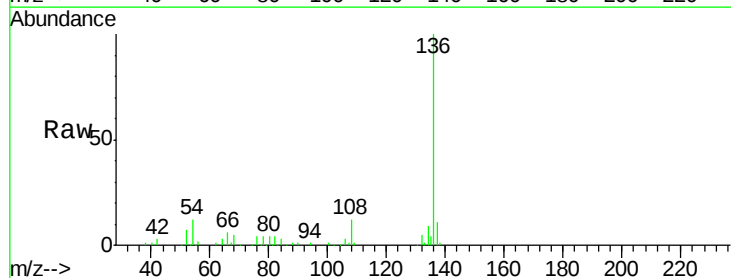
Ion Ratio Lower Upper

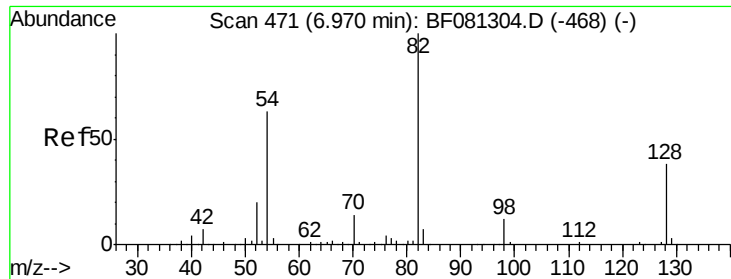
136 100

137 10.7 9.0 13.6

54 12.0 8.2 12.2

68 5.4 5.8 8.6#

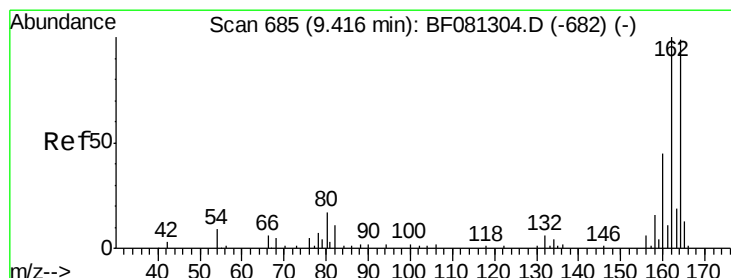
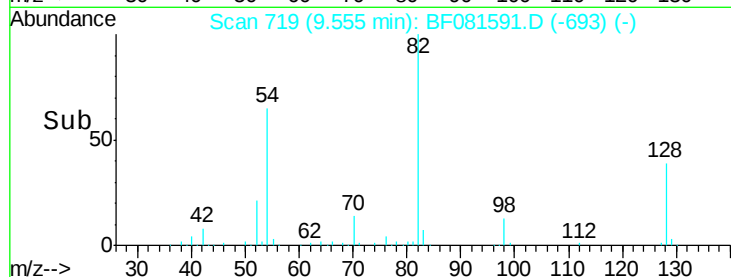
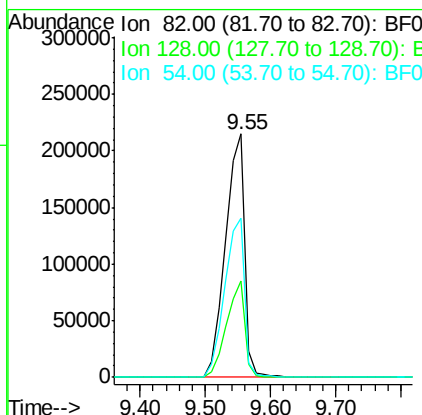
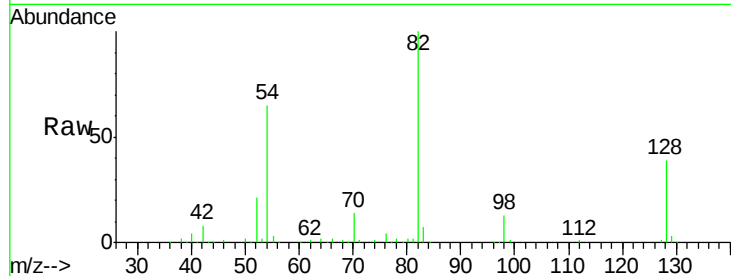




#23
 Nitrobenzene-d5
 Concen: 95.55 ng
 RT: 9.55 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

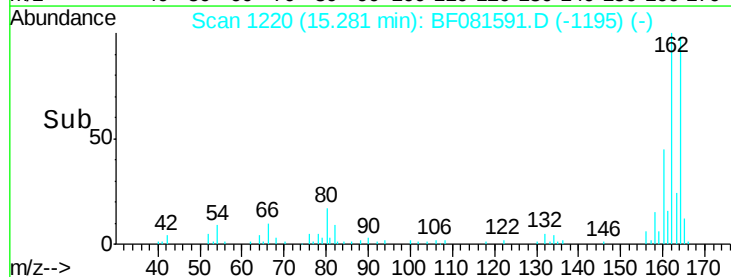
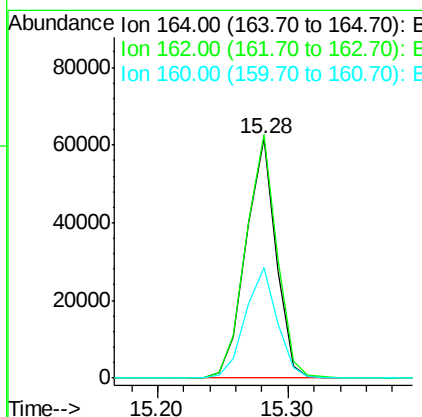
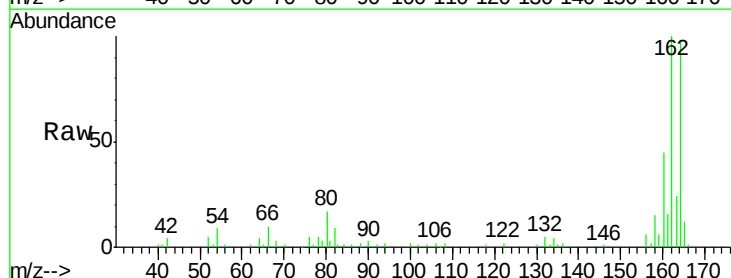
Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

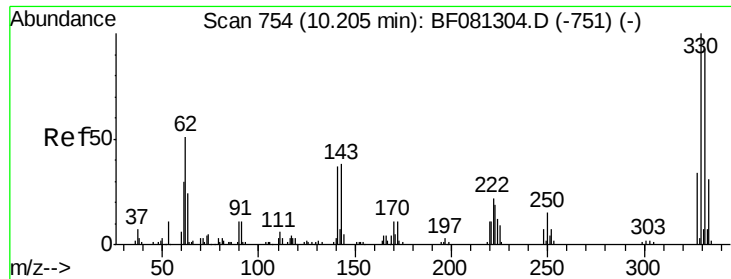
Tgt Ion: 82 Resp: 437863
 Ion Ratio Lower Upper
 82 100
 128 39.3 51.0 76.6#
 54 65.4 47.5 71.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

Tgt Ion: 164 Resp: 99395
 Ion Ratio Lower Upper
 164 100
 162 101.8 75.2 112.8
 160 46.1 31.5 47.3

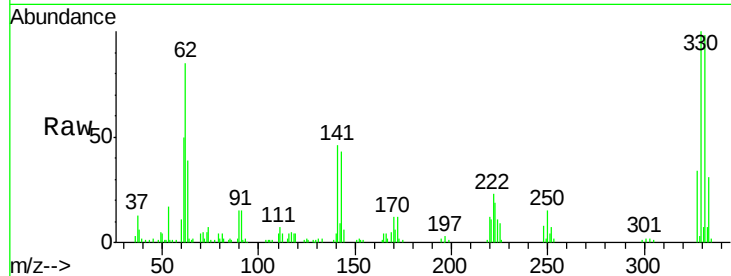




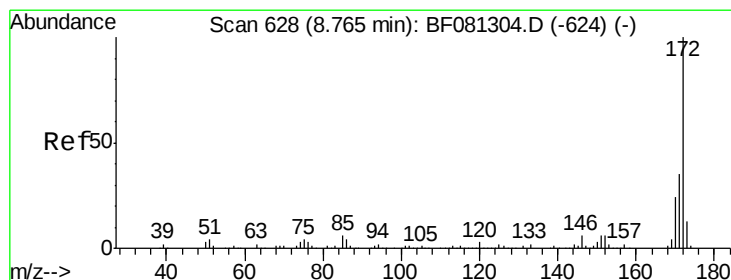
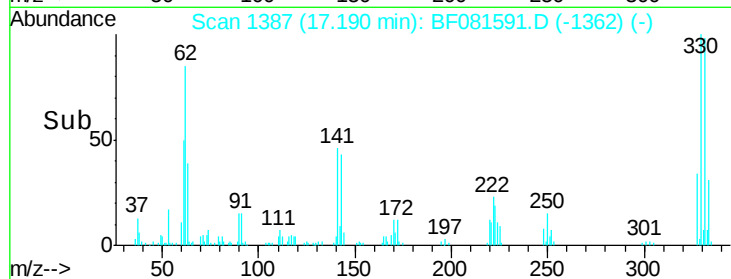
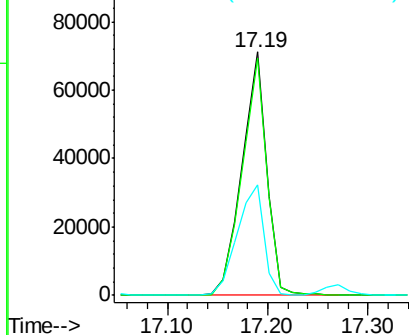
#41
 2,4,6-Tribromophenol
 Concen: 137.56 ng
 RT: 17.19 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion:330 Resp: 121741
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 49.3 29.7 44.5#

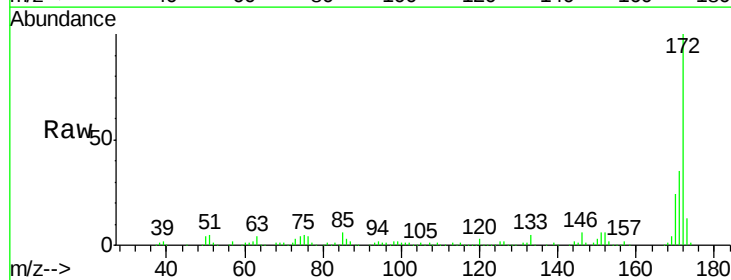


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

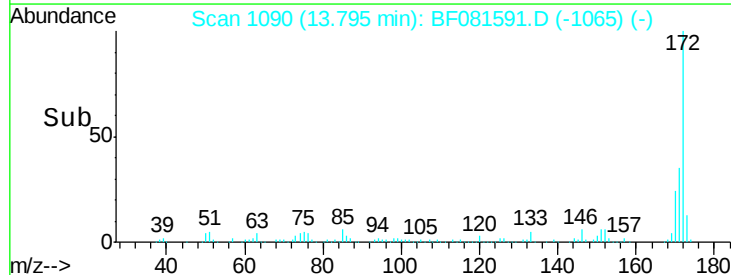
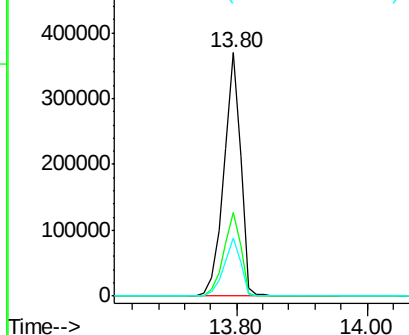


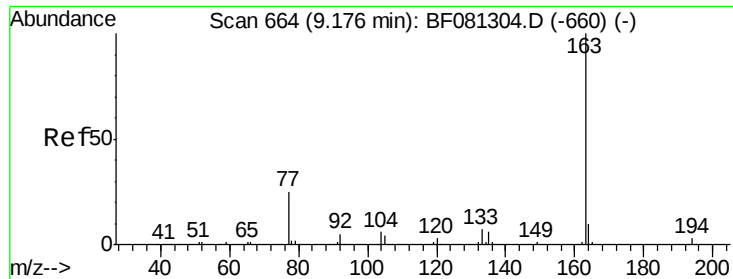
#44
 2-Fluorobiphenyl
 Concen: 85.08 ng
 RT: 13.80 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

Tgt Ion:172 Resp: 659885
 Ion Ratio Lower Upper
 172 100
 171 34.5 26.1 39.1
 170 23.9 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





#49

Dimethylphthalate

Concen: 24.61 ng

RT: 14.85 min Scan# 1182

Delta R.T. -0.03 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

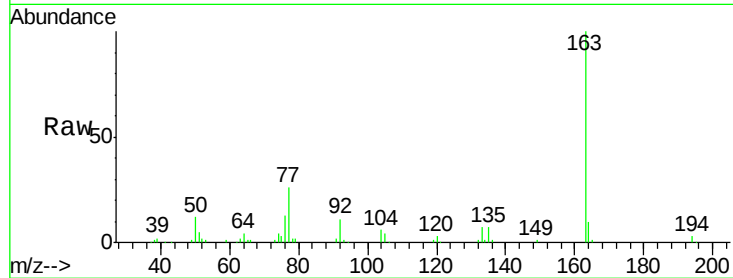
Tgt Ion:163 Resp: 190080

Ion Ratio Lower Upper

163 100

194 3.4 4.4 6.6#

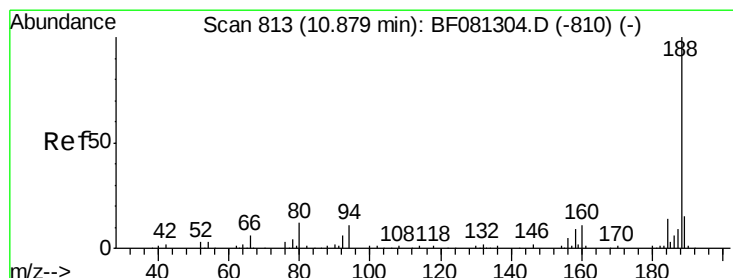
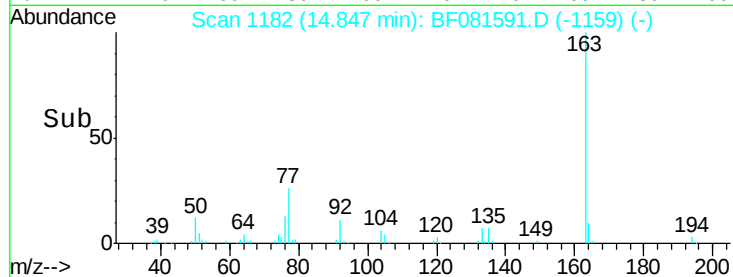
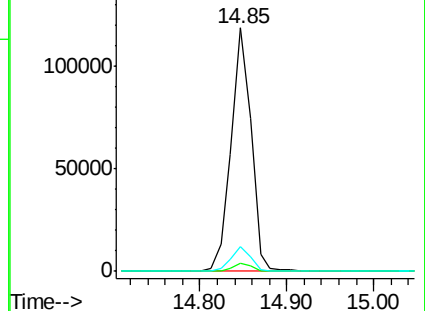
164 10.1 8.3 12.5



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: BF081591.D

Acq: 11 Sep 2015 19:19

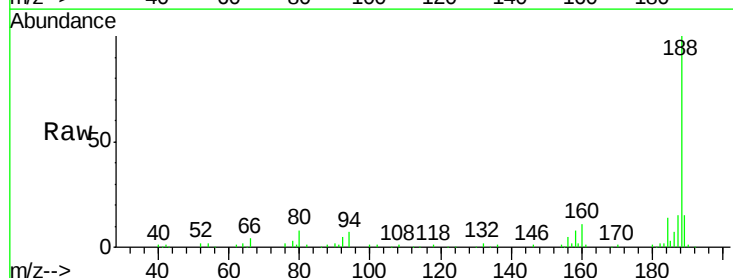
Tgt Ion:188 Resp: 184698

Ion Ratio Lower Upper

188 100

94 7.2 11.1 16.7#

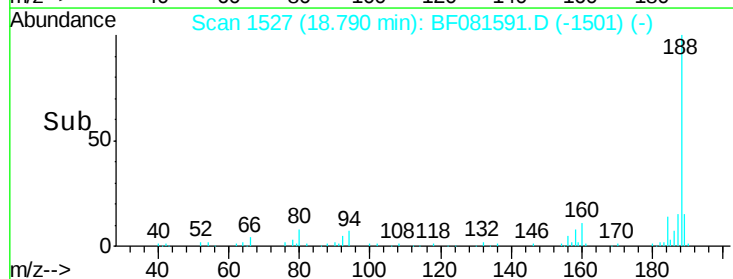
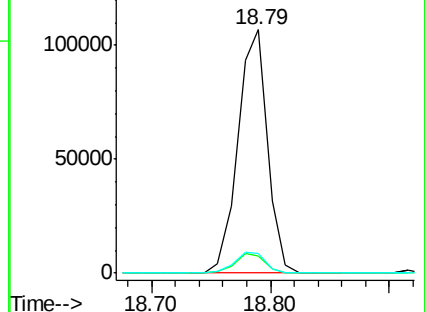
80 8.0 11.0 16.4#

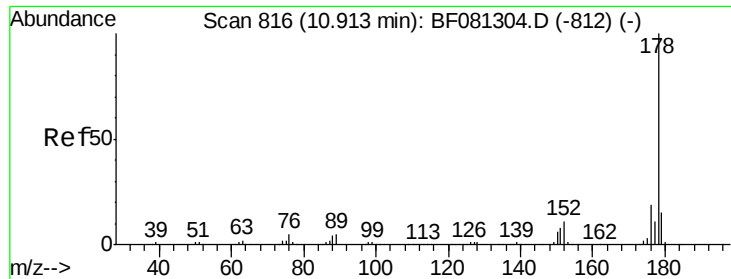


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

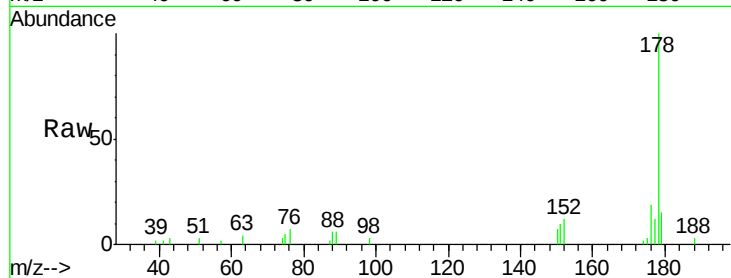




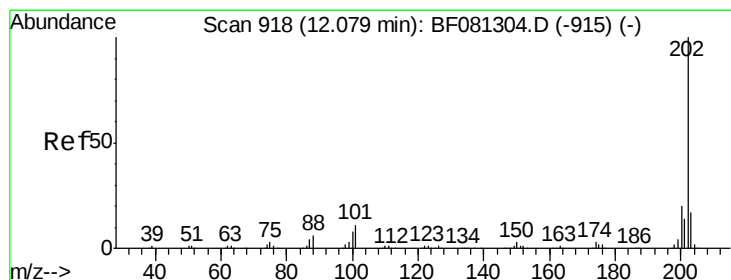
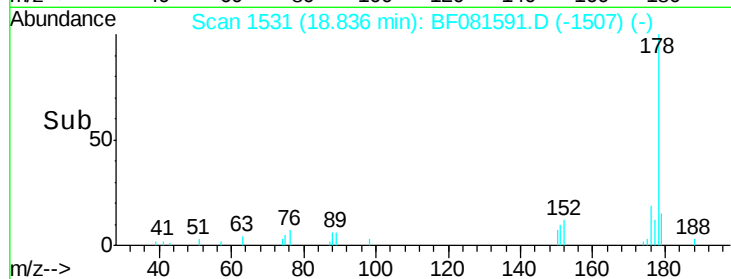
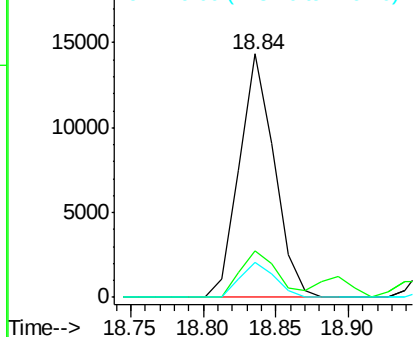
#70
Phenanthrene
Concen: 2.33 ng
RT: 18.84 min Scan# 1531
Delta R.T. -0.02 min
Lab File: BF081591.D
Acq: 11 Sep 2015 19:19

Instrument :
BNA_F
ClientSampleId :
SB-02(0-0.16)

Tgt Ion:178 Resp: 23947
Ion Ratio Lower Upper
178 100
176 19.2 13.8 20.8
179 14.5 12.2 18.2

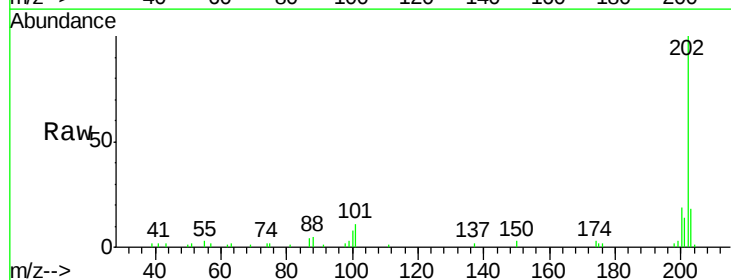


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

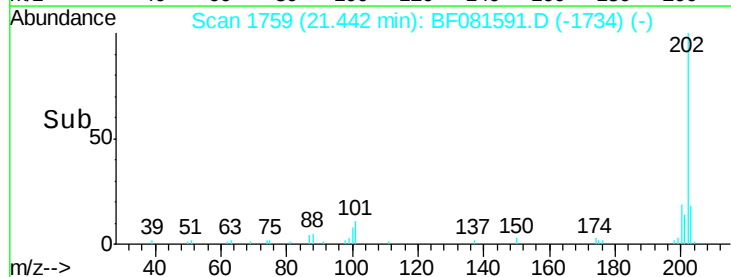
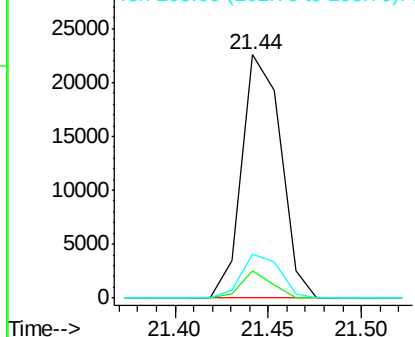


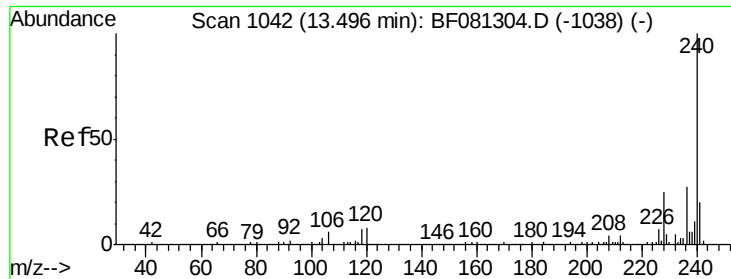
#74
Fluoranthene
Concen: 2.96 ng
RT: 21.44 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF081591.D
Acq: 11 Sep 2015 19:19

Tgt Ion:202 Resp: 32868
Ion Ratio Lower Upper
202 100
101 11.3 0.0 38.3
203 17.8 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: 23.40 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

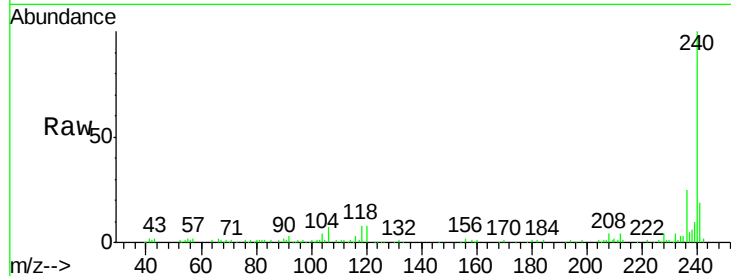
Tgt Ion:240 Resp: 103245

Ion Ratio Lower Upper

240 100

120 8.3 16.2 24.2#

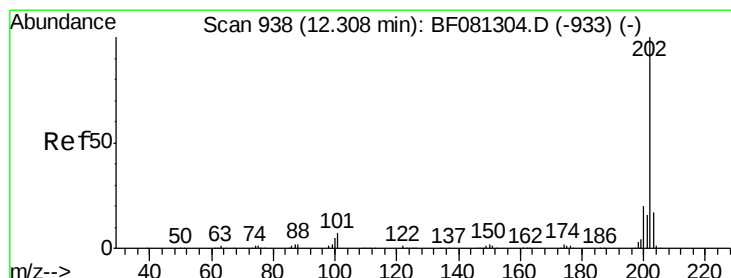
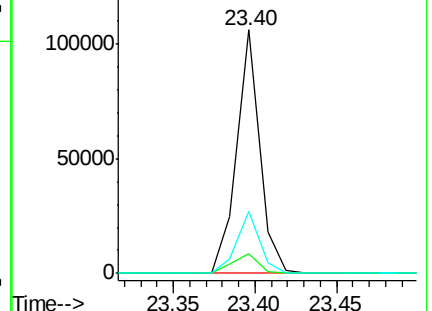
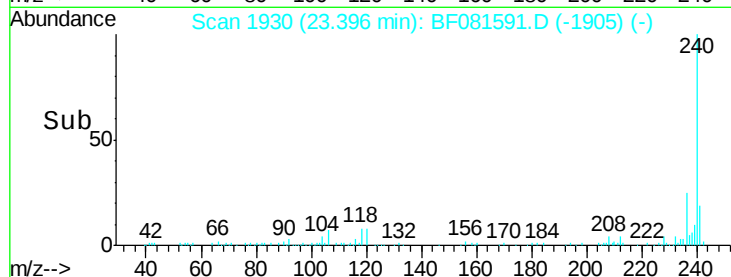
236 25.4 18.4 27.6



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: 3.65 ng

RT: 21.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

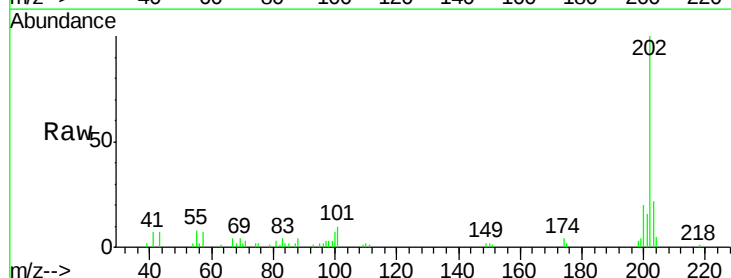
Tgt Ion:202 Resp: 27913

Ion Ratio Lower Upper

202 100

200 19.8 15.0 22.4

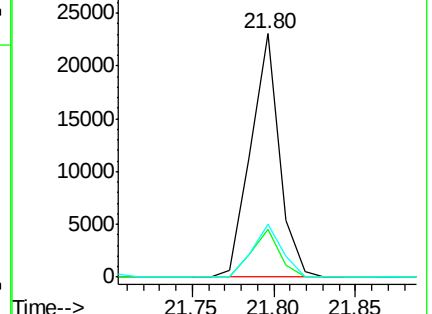
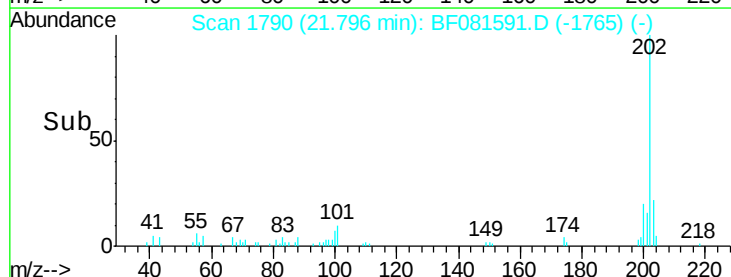
203 21.9 14.1 21.1#

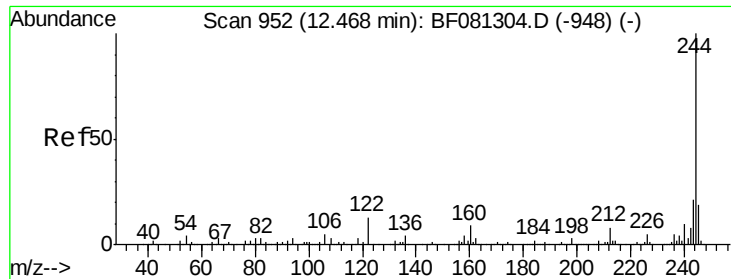


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.17 ng

RT: 22.13 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

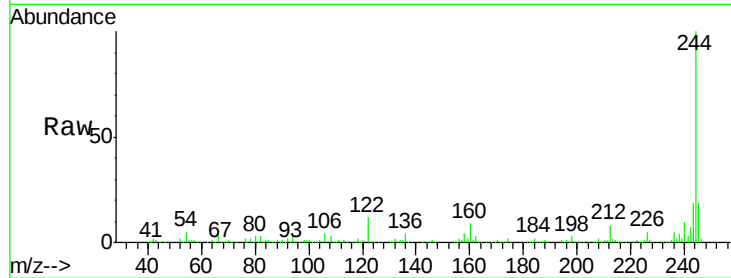
Tgt Ion:244 Resp: 395508

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

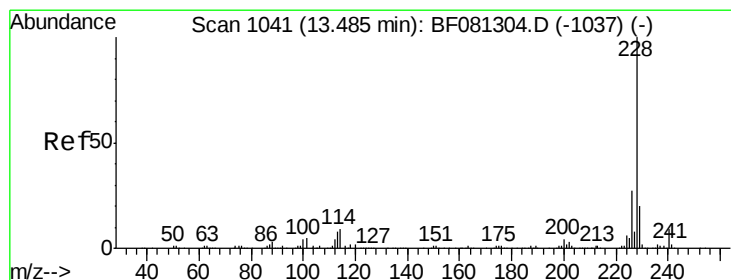
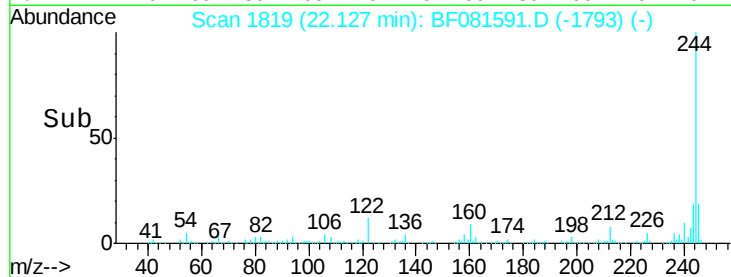
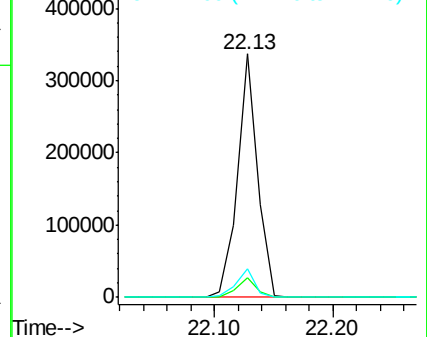
122 11.7 17.4 26.2#



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: 2.16 ng

RT: 23.38 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

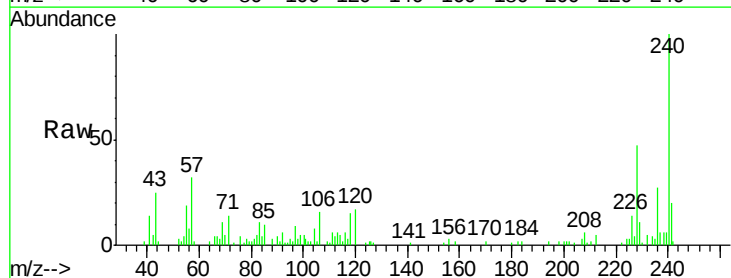
Tgt Ion:228 Resp: 14221

Ion Ratio Lower Upper

228 100

226 29.7 20.0 30.0

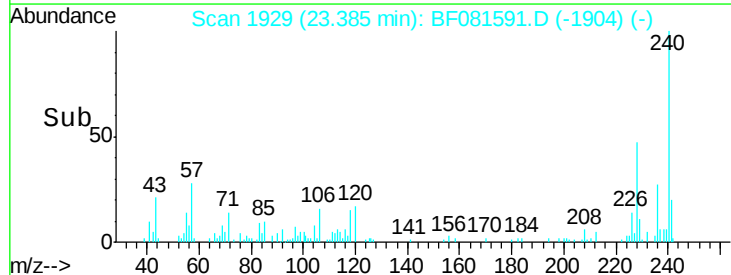
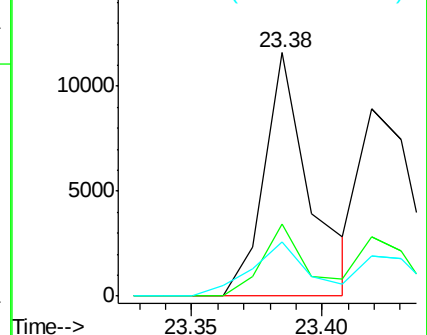
229 22.5 15.4 23.2

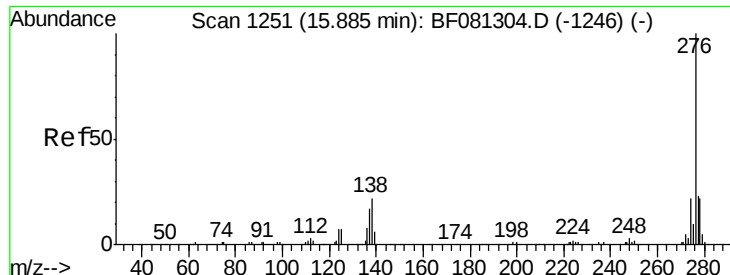


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

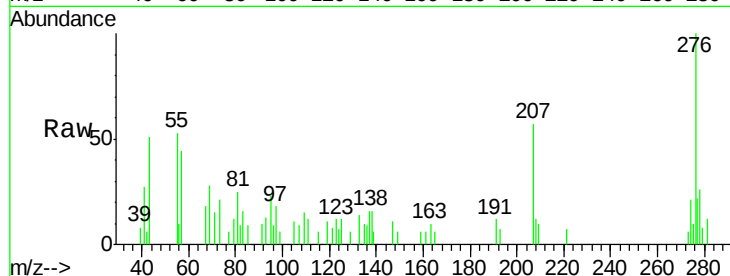




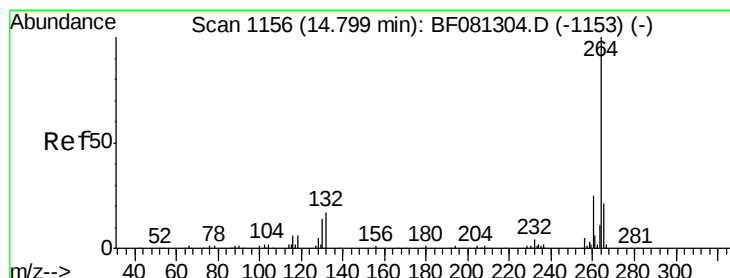
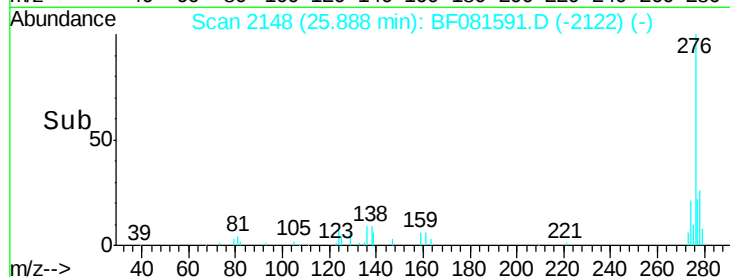
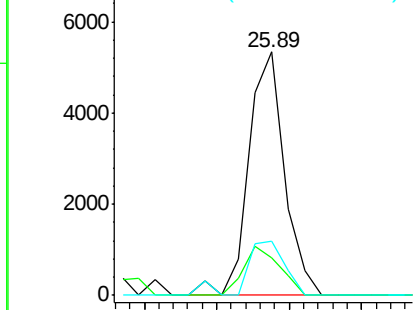
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.11 ng
 RT: 25.89 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-02(0-0.16)

Tgt Ion: 276 Resp: 9118
 Ion Ratio Lower Upper
 276 100
 138 20.6 25.7 38.5#
 277 24.1 15.6 23.4#

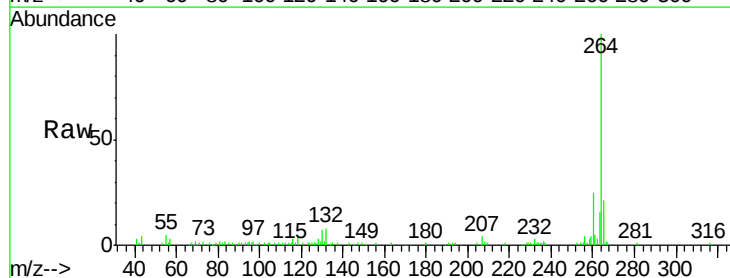


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

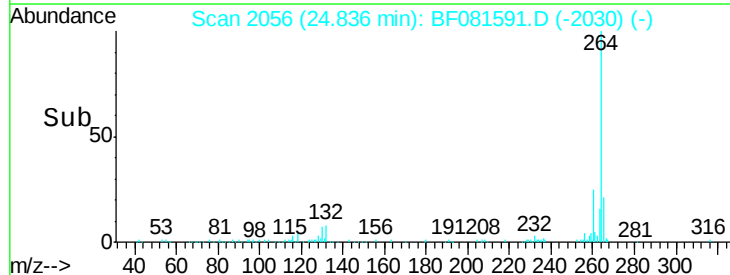
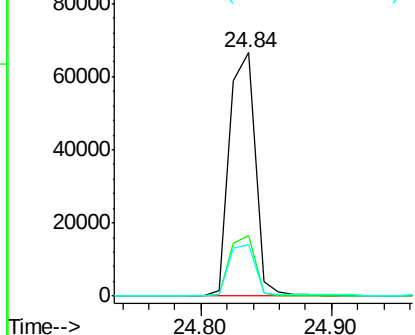


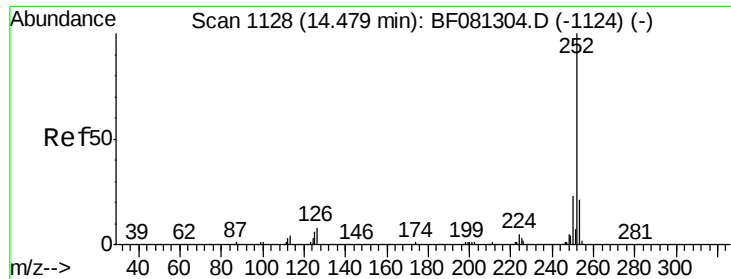
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.84 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: BF081591.D
 Acq: 11 Sep 2015 19:19

Tgt Ion: 264 Resp: 91130
 Ion Ratio Lower Upper
 264 100
 260 24.8 16.7 25.1
 265 21.1 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: 2.59 ng m

RT: 24.49 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

Instrument :

BNA_F

ClientSampleId :

SB-02(0-0.16)

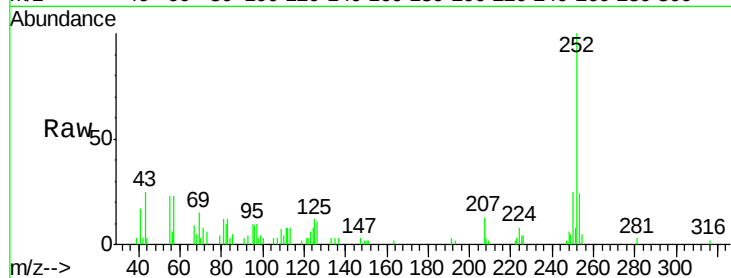
Tgt Ion:252 Resp: 16865

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

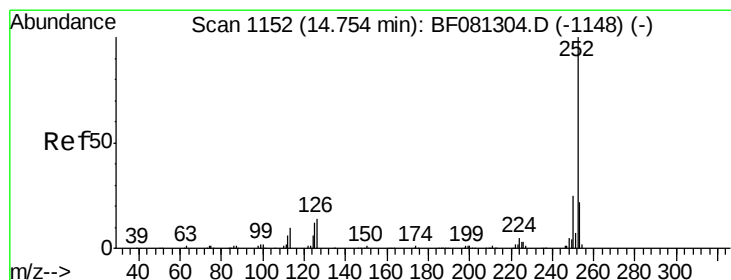
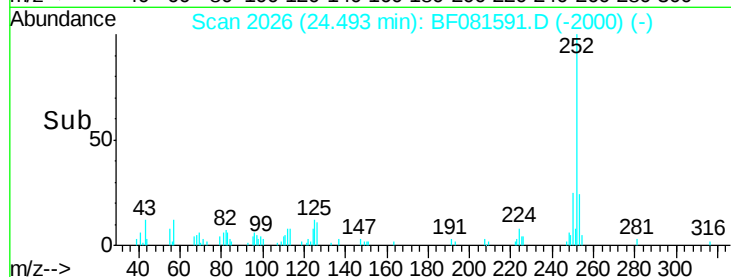
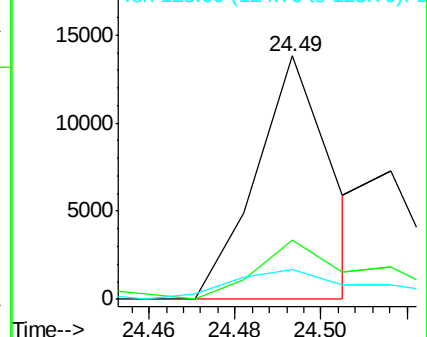
125 12.4 17.1 25.7#



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



#89

Benzo(a)pyrene

Concen: 2.38 ng

RT: 24.78 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF081591.D

Acq: 11 Sep 2015 19:19

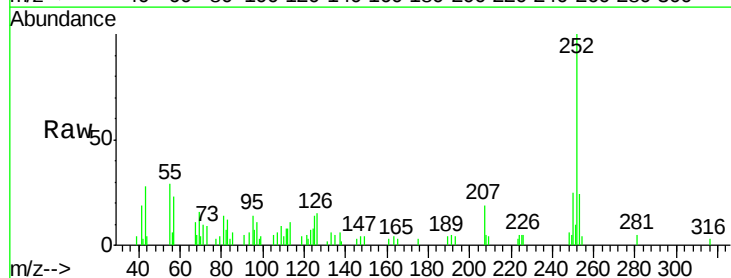
Tgt Ion:252 Resp: 13119

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

125 14.4 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

