

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091015\
 Data File : BF081581.D
 Acq On : 10 Sep 2015 23:24
 Operator : UM/IZ
 Sample : G3497-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4

Quant Time: Sep 11 07:19:20 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 00:38:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	48284	20.00	ng	0.01
21) Naphthalene-d8	11.18	136	187707	20.00	ng	0.01
38) Acenaphthene-d10	15.32	164	78558	20.00	ng	0.01
63) Phenanthrene-d10	18.82	188	133242	20.00	ng	0.01
75) Chrysene-d12	23.43	240	91365	20.00	ng	0.01
86) Perylene-d12	24.87	264	54132	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	497881	159.98	ng	0.05
7) Phenol-d6	7.73	99	679932	165.06	ng	0.03
23) Nitrobenzene-d5	9.58	82	445494	114.51	ng	0.01
41) 2,4,6-Tribromophenol	17.22	330	98490	140.80	ng	0.01
44) 2-Fluorobiphenyl	13.83	172	655195	106.88	ng	0.01
78) Terphenyl-d14	22.16	244	391432	99.73	ng	0.01

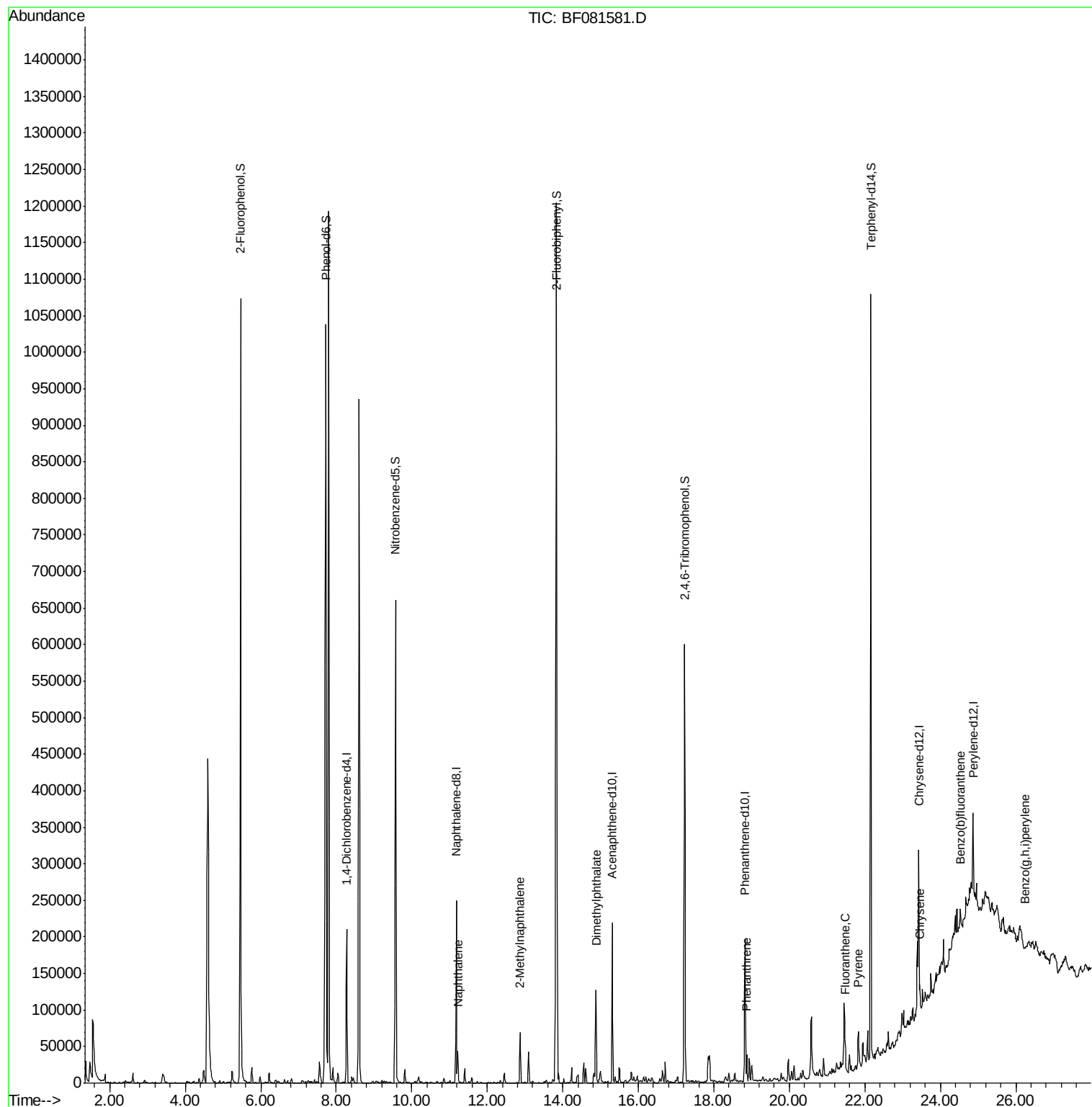
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.22	128	32548	3.25	ng	99
37) 2-Methylnaphthalene	12.87	142	25448	3.91	ng	# 80
49) Dimethylphthalate	14.88	163	93234	15.28	ng	# 96
70) Phenanthrene	18.88	178	28868	3.90	ng	96
74) Fluoranthene	21.48	202	24017	3.00	ng	87
77) Pyrene	21.83	202	22342	3.30	ng	# 93
82) Chrysene	23.45	228	14427	2.77	ng	# 86
87) Benzo(b)fluoranthene	24.53	252	11619m	3.01	ng	
91) Benzo(g,h,i)perylene	26.25	276	5216	2.16	ng	# 78

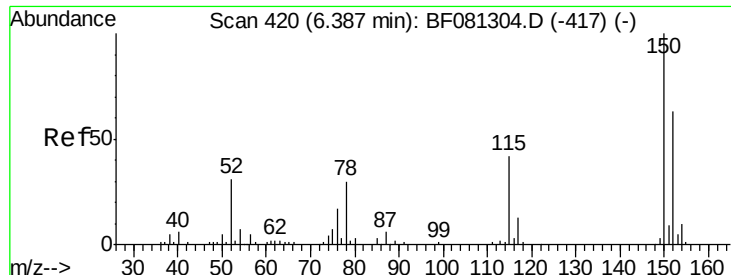
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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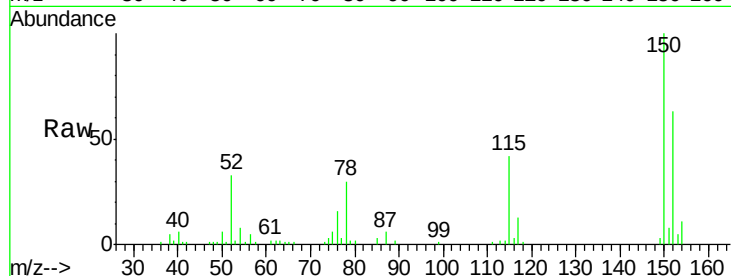


#1

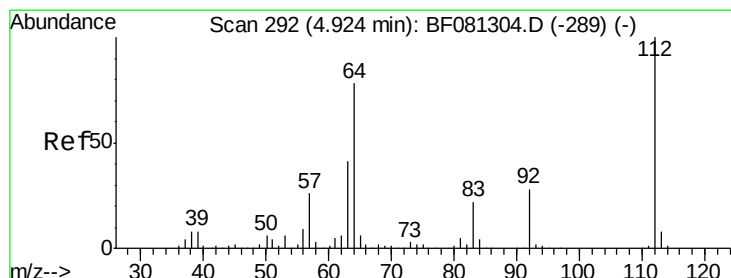
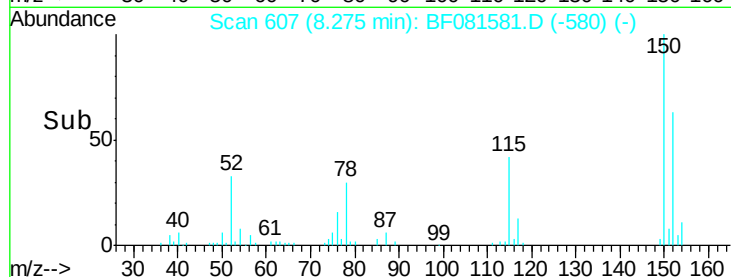
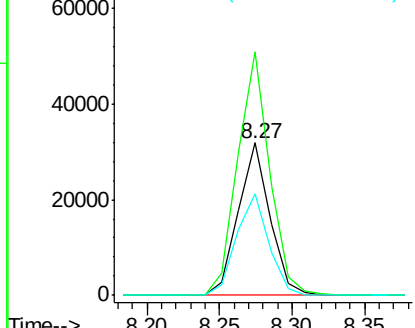
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF081581.D
Acq: 10 Sep 2015 23:24

Instrument :
BNA_F
ClientSampleId :
B4

Tgt Ion:152 Resp: 48284
Ion Ratio Lower Upper
152 100
150 159.5 124.7 187.1
115 66.5 39.0 58.4#



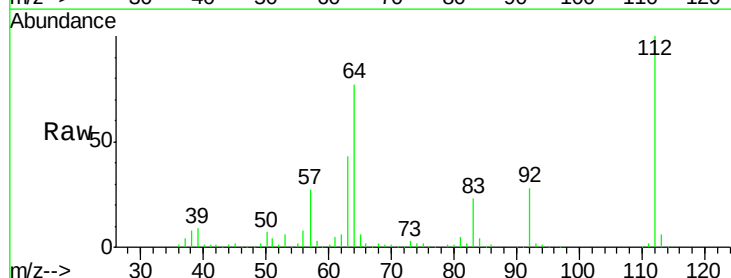
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



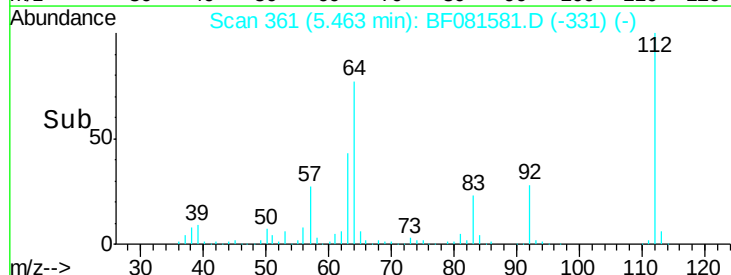
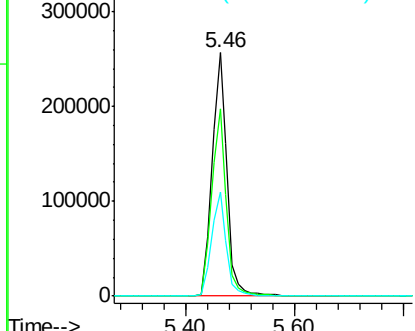
#5

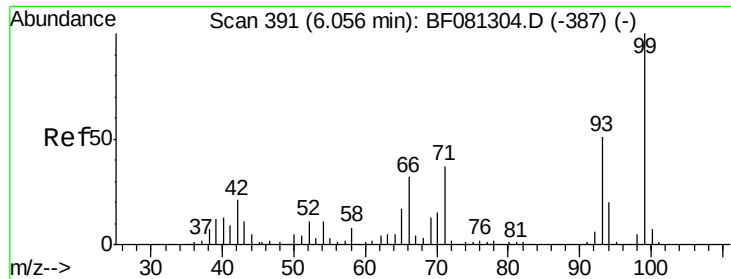
2-Fluorophenol
Concen: 159.98 ng
RT: 5.46 min Scan# 361
Delta R.T. 0.05 min
Lab File: BF081581.D
Acq: 10 Sep 2015 23:24

Tgt Ion:112 Resp: 497881
Ion Ratio Lower Upper
112 100
64 76.8 39.7 59.5#
63 42.6 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: 165.06 ng

RT: 7.73 min Scan# 559

Delta R.T. 0.03 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

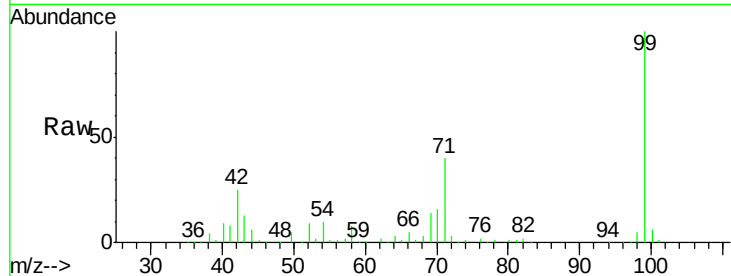
Tgt Ion: 99 Resp: 679932

Ion Ratio Lower Upper

99 100

42 24.6 13.7 20.5#

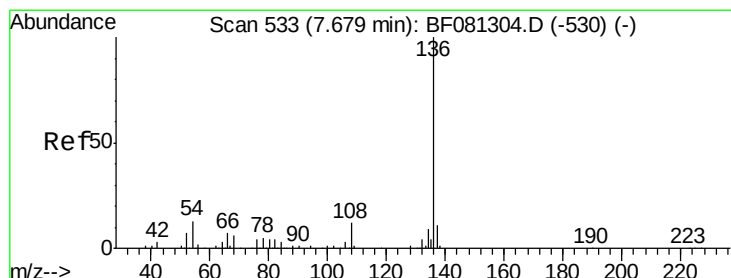
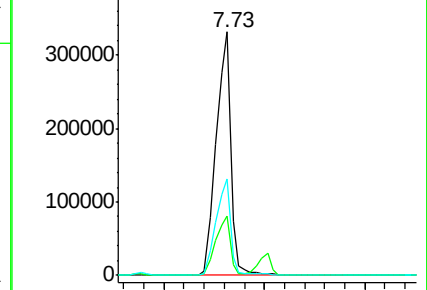
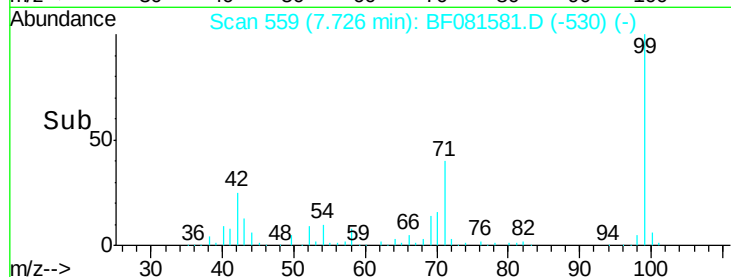
71 39.6 14.2 21.2#



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: 11.18 min Scan# 861

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Tgt Ion: 136 Resp: 187707

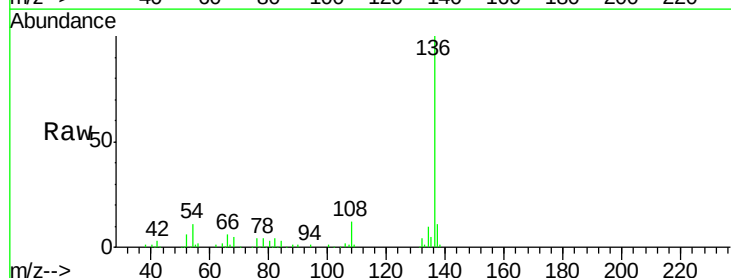
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 10.9 8.2 12.2

68 4.6 5.8 8.6#

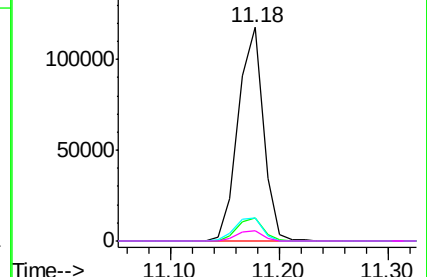
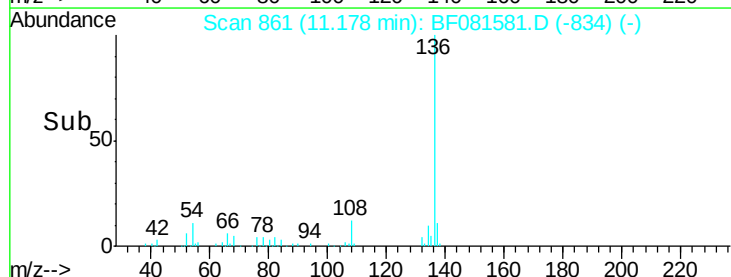


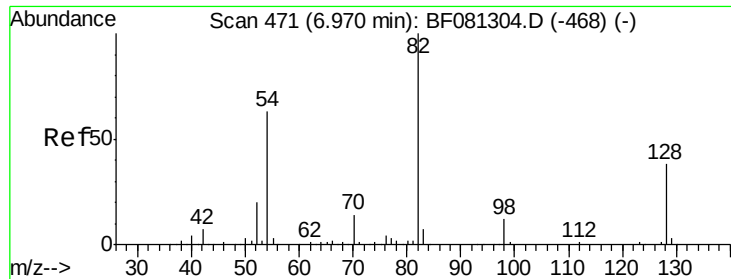
Abundance Ion 136.00 (135.70 to 136.70): E

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: 114.51 ng

RT: 9.58 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampled :

B4

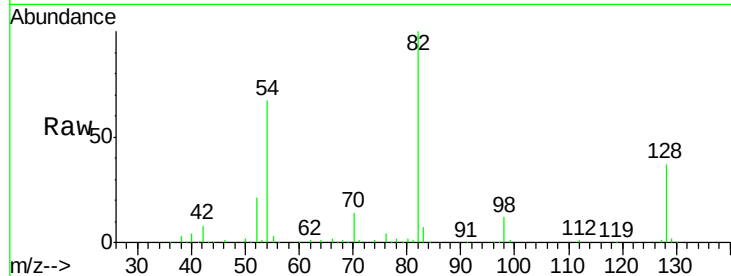
Tgt Ion: 82 Resp: 445494

Ion Ratio Lower Upper

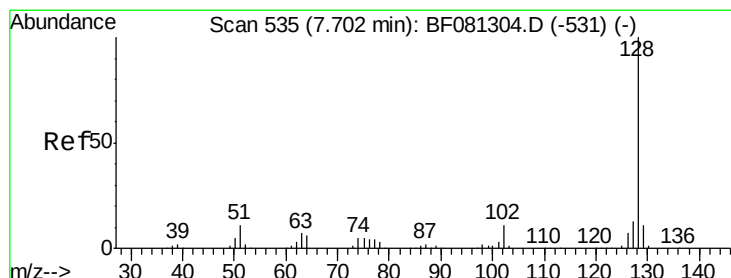
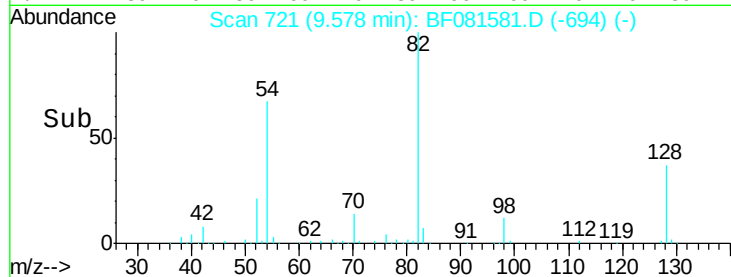
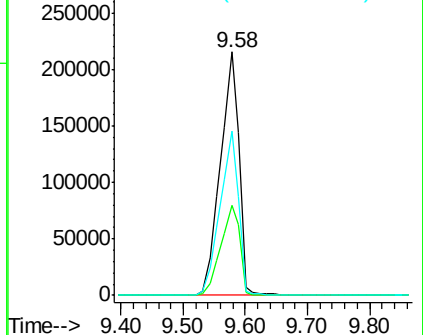
82 100

128 36.9 51.0 76.6#

54 67.3 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



#31

Naphthalene

Concen: 3.25 ng

RT: 11.22 min Scan# 865

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

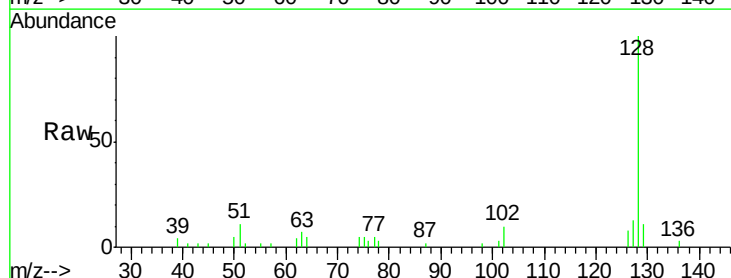
Tgt Ion: 128 Resp: 32548

Ion Ratio Lower Upper

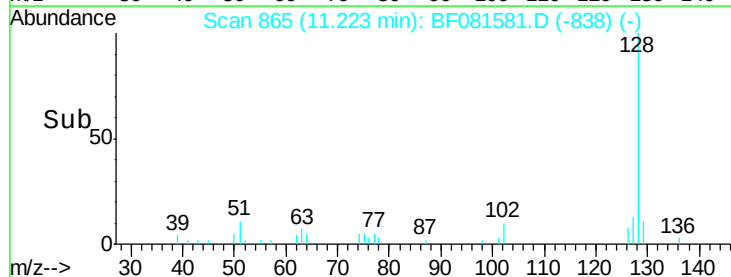
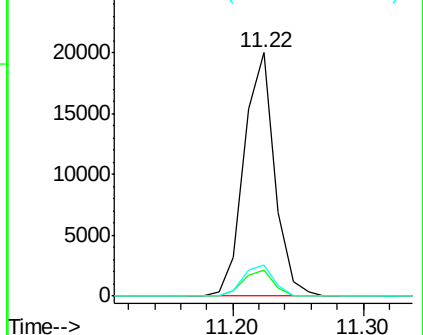
128 100

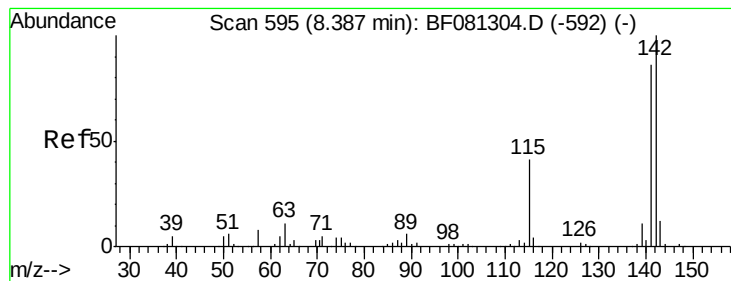
129 10.7 8.4 12.6

127 12.9 9.9 14.9



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: 3.91 ng

RT: 12.87 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

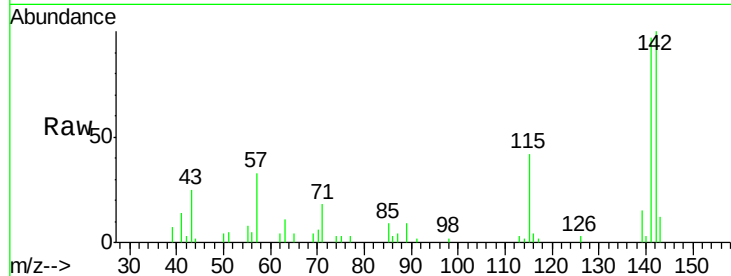
Tgt Ion:142 Resp: 25448

Ion Ratio Lower Upper

142 100

141 97.2 67.5 101.3

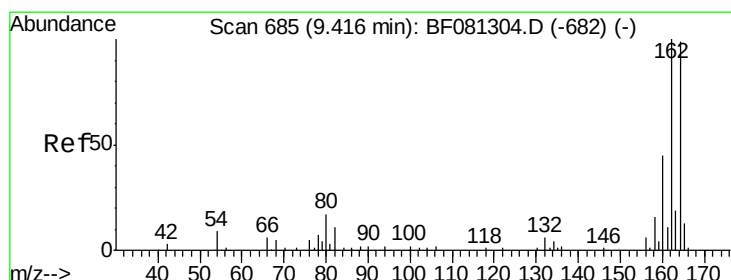
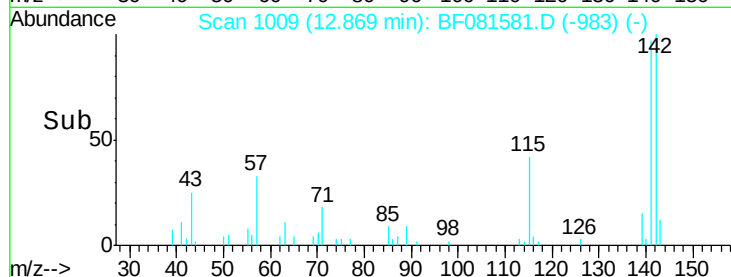
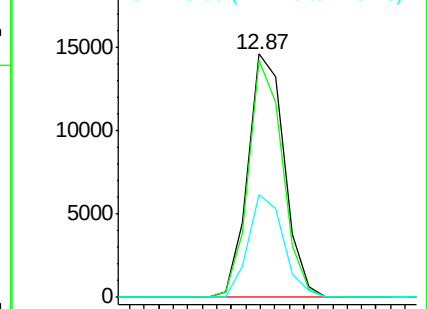
115 42.4 18.2 27.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 1223

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

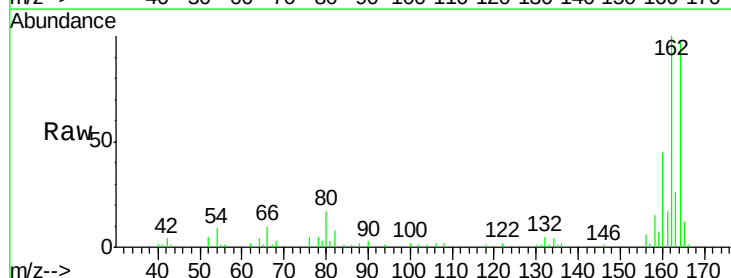
Tgt Ion:164 Resp: 78558

Ion Ratio Lower Upper

164 100

162 103.2 75.2 112.8

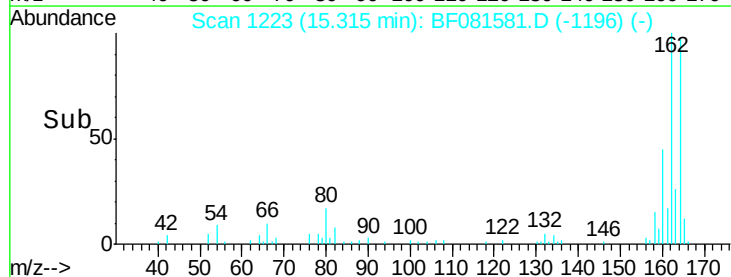
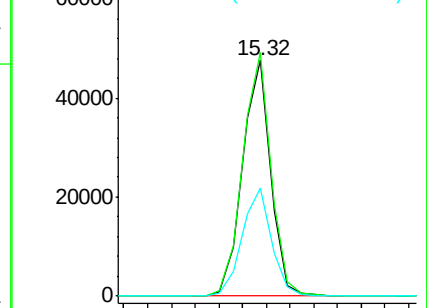
160 46.0 31.5 47.3

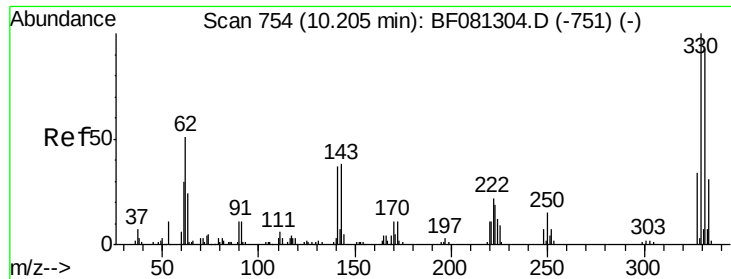


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

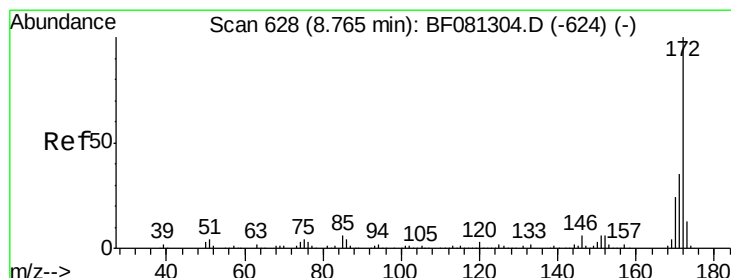
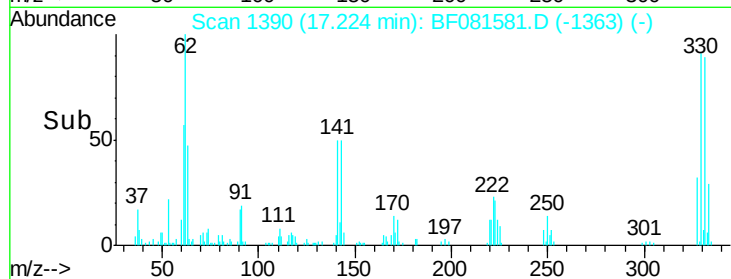
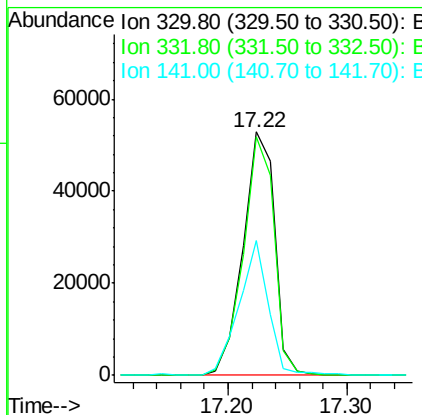
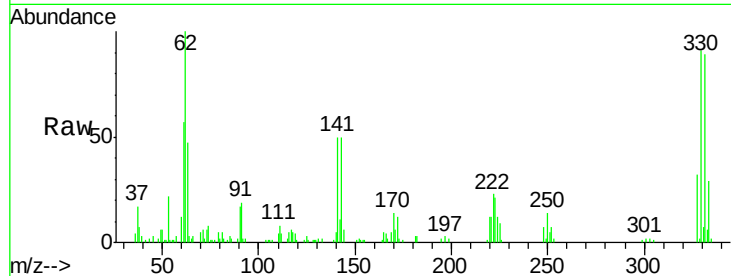




#41
 2,4,6-Tribromophenol
 Concen: 140.80 ng
 RT: 17.22 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BF081581.D
 Acq: 10 Sep 2015 23:24

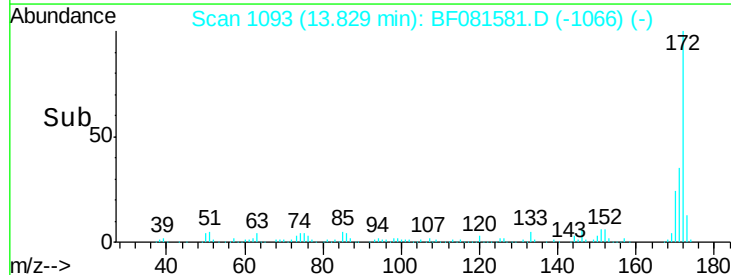
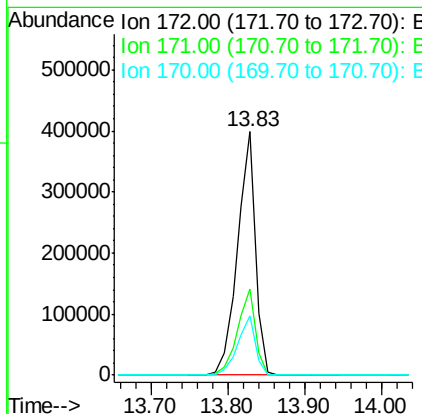
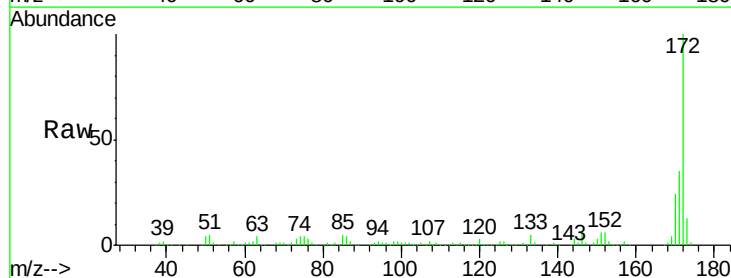
Instrument :
 BNA_F
 ClientSampleId :
 B4

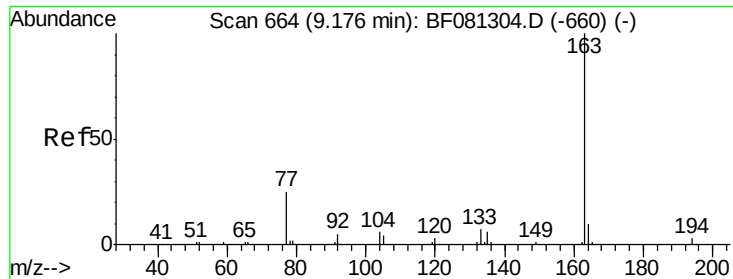
Tgt Ion:330 Resp: 98490
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 114.8
 141 51.6 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 106.88 ng
 RT: 13.83 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: BF081581.D
 Acq: 10 Sep 2015 23:24

Tgt Ion:172 Resp: 655195
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.2 17.4 26.2





#49

Dimethylphthalate

Concen: 15.28 ng

RT: 14.88 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

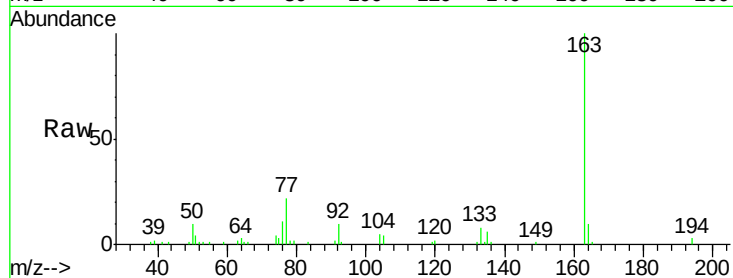
Tgt Ion:163 Resp: 93234

Ion Ratio Lower Upper

163 100

194 2.9 4.4 6.6#

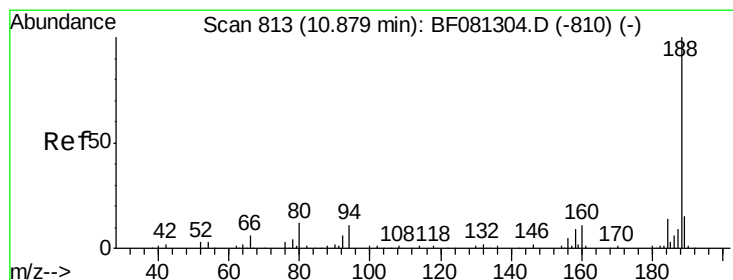
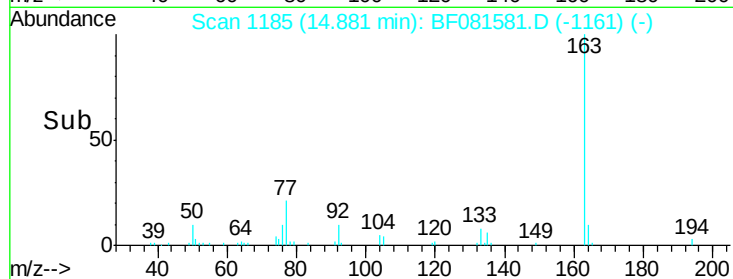
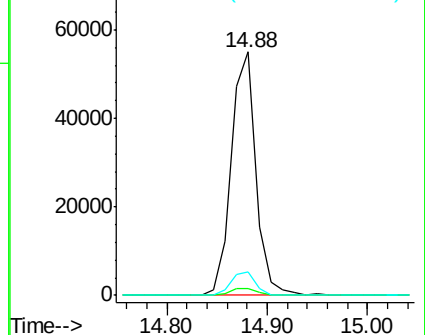
164 9.7 8.3 12.5



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: 18.82 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

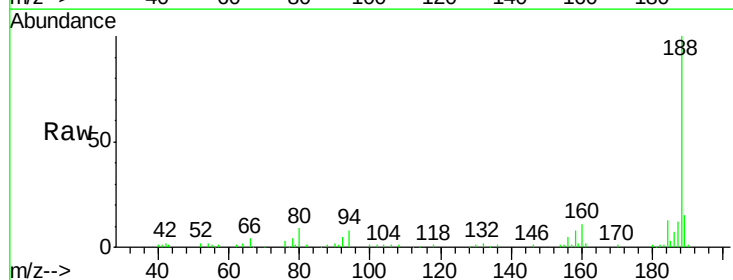
Tgt Ion:188 Resp: 133242

Ion Ratio Lower Upper

188 100

94 7.7 11.1 16.7#

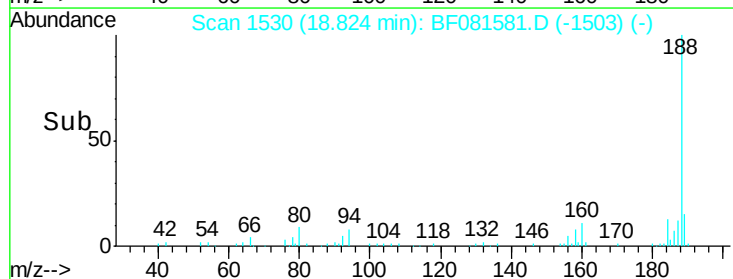
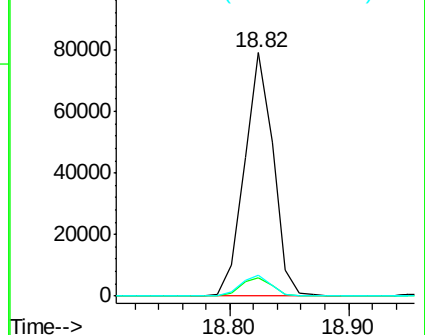
80 8.5 11.0 16.4#

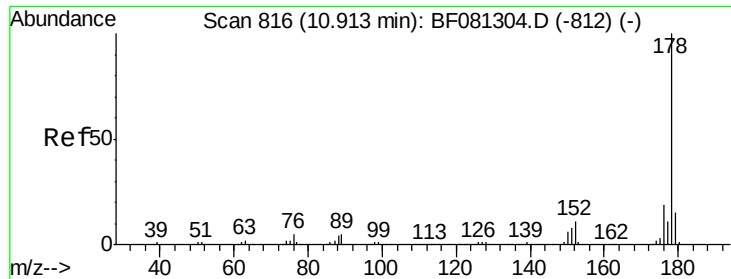


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.90 ng

RT: 18.88 min Scan# 1535

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

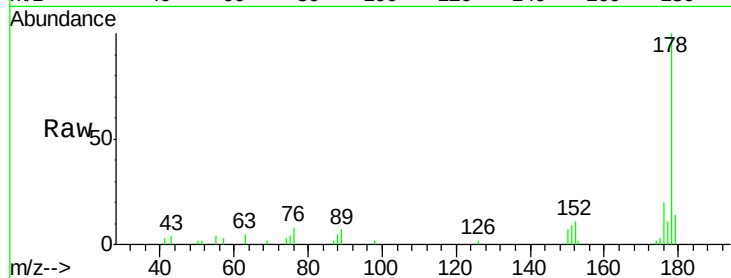
Tgt Ion:178 Resp: 28868

Ion Ratio Lower Upper

178 100

176 19.9 13.8 20.8

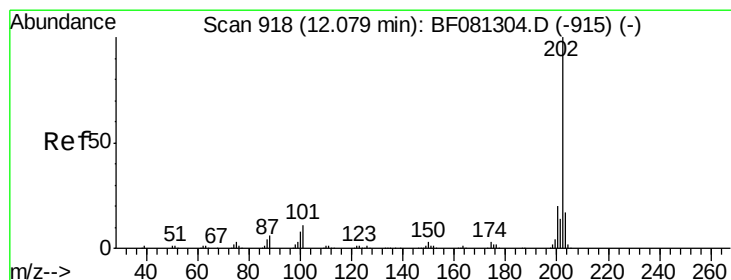
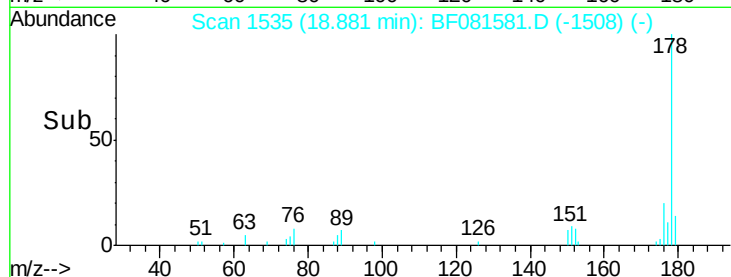
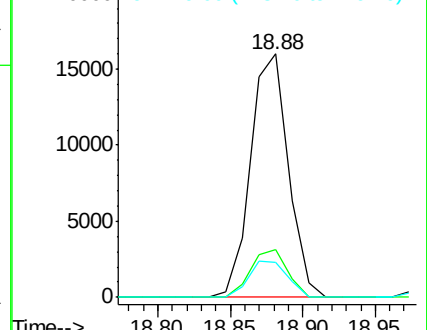
179 14.2 12.2 18.2



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: 3.00 ng

RT: 21.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

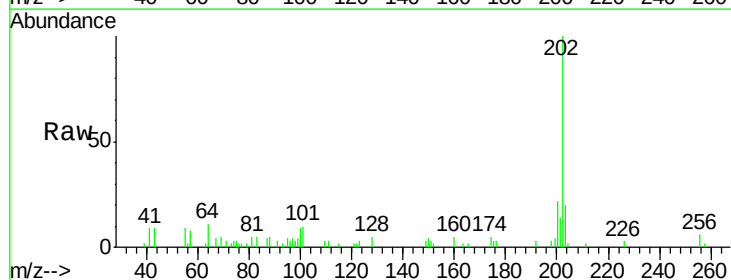
Tgt Ion:202 Resp: 24017

Ion Ratio Lower Upper

202 100

101 9.6 0.0 38.3

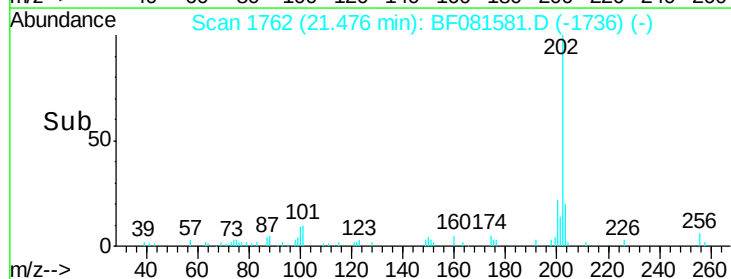
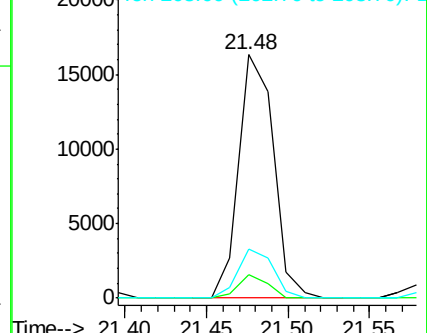
203 20.2 0.0 37.3

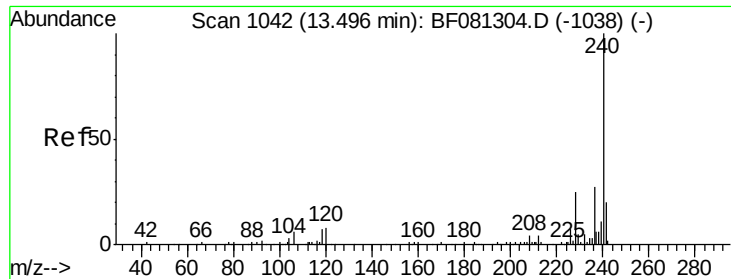


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.43 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

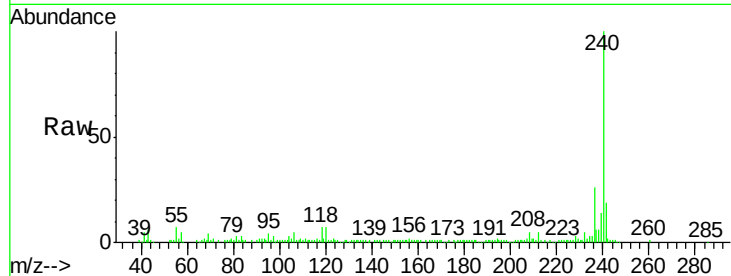
Tgt Ion:240 Resp: 91365

Ion Ratio Lower Upper

240 100

120 7.0 16.2 24.2#

236 25.5 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

100000

80000

60000

40000

20000

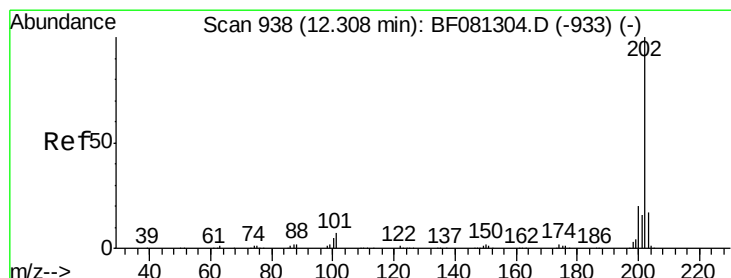
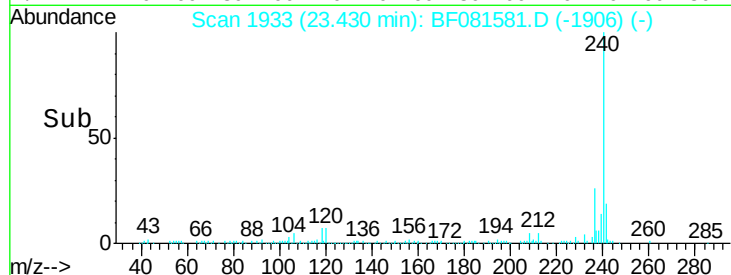
0

23.43

23.40

23.50

Time-->



#77

Pyrene

Concen: 3.30 ng

RT: 21.83 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

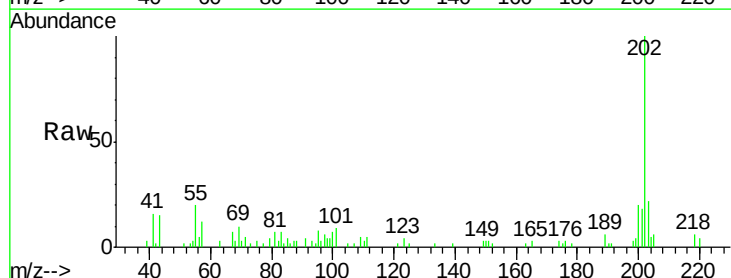
Tgt Ion:202 Resp: 22342

Ion Ratio Lower Upper

202 100

200 20.1 15.0 22.4

203 22.3 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

20000

15000

10000

5000

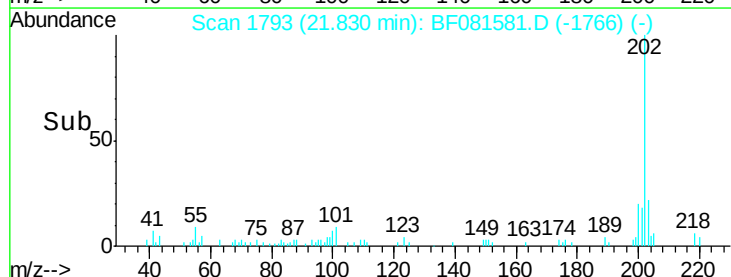
0

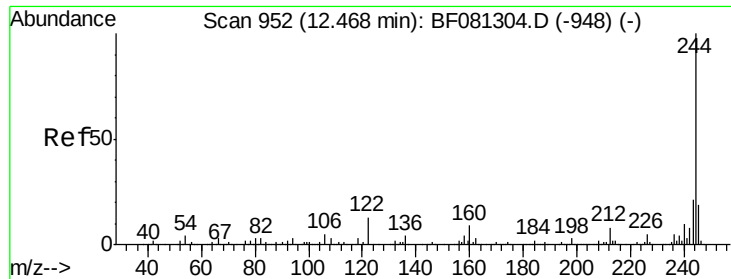
21.83

21.80

21.90

Time-->

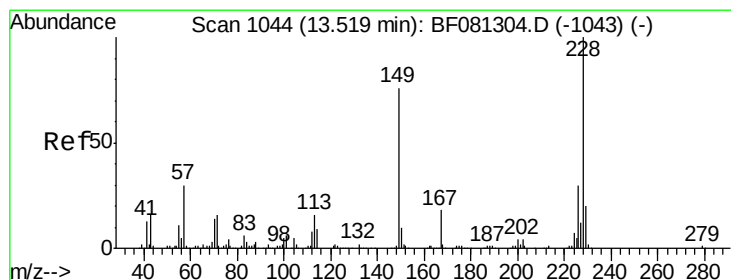
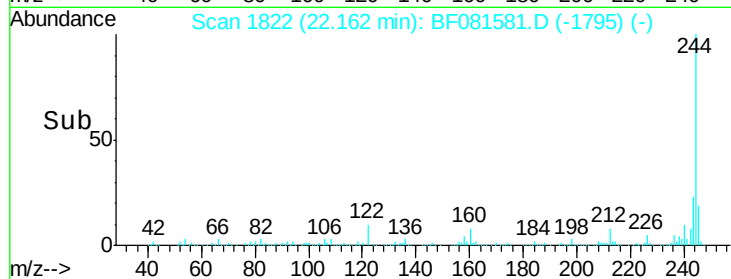
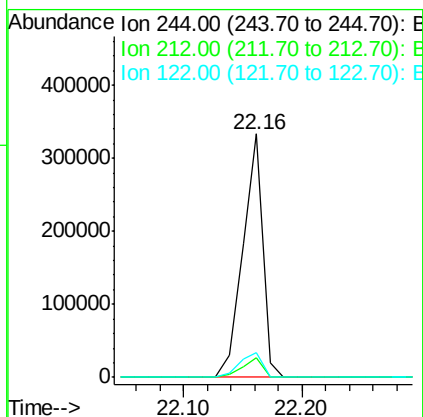
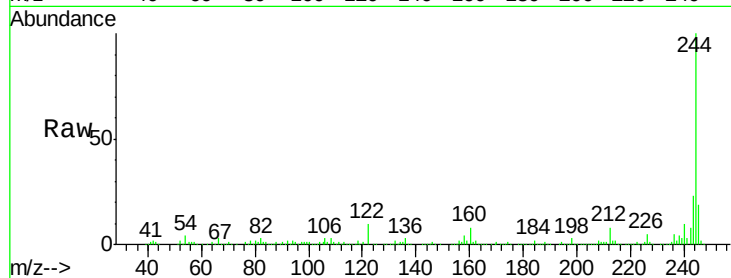




#78
 Terphenyl-d14
 Concen: 99.73 ng
 RT: 22.16 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BF081581.D
 Acq: 10 Sep 2015 23:24

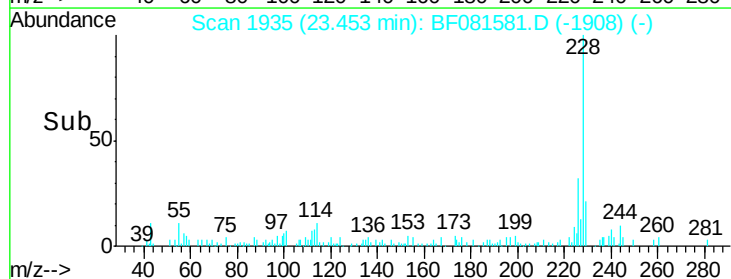
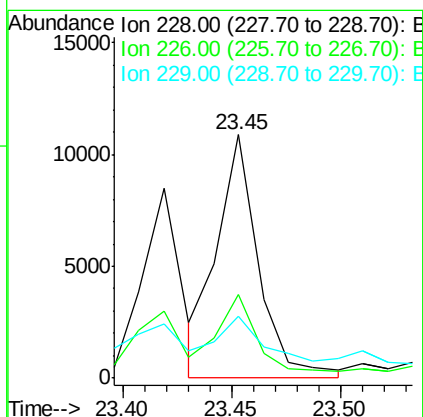
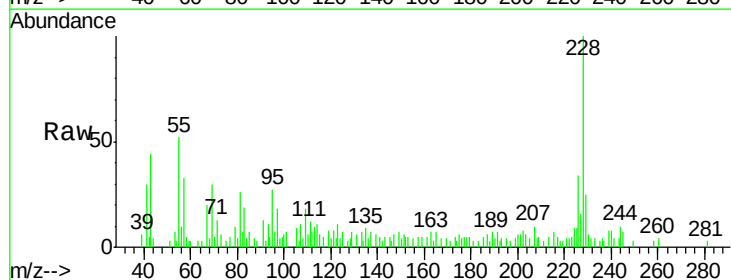
Instrument :
 BNA_F
 ClientSampleId :
 B4

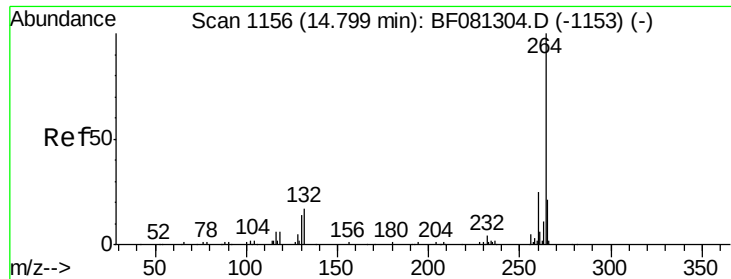
Tgt Ion: 244 Resp: 391432
 Ion Ratio Lower Upper
 244 100
 212 8.2 4.3 6.5#
 122 10.1 17.4 26.2#



#82
 Chrysene
 Concen: 2.77 ng
 RT: 23.45 min Scan# 1935
 Delta R.T. 0.01 min
 Lab File: BF081581.D
 Acq: 10 Sep 2015 23:24

Tgt Ion: 228 Resp: 14427
 Ion Ratio Lower Upper
 228 100
 226 34.2 21.0 31.4#
 229 25.3 15.6 23.4#

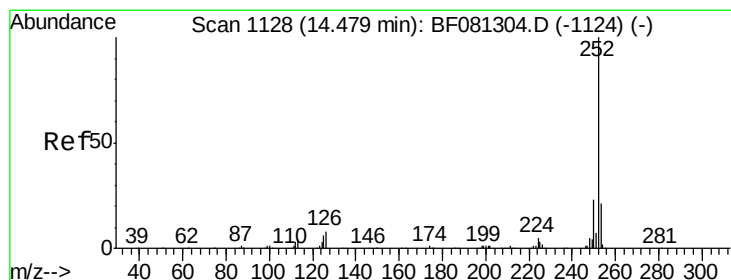
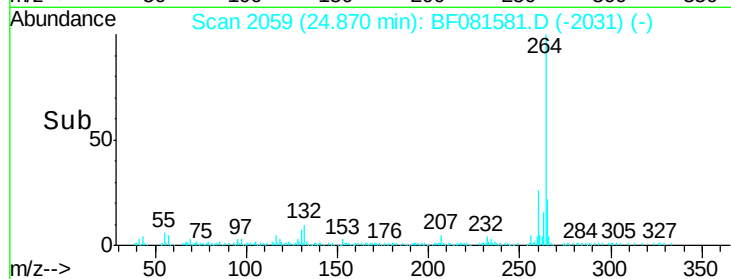
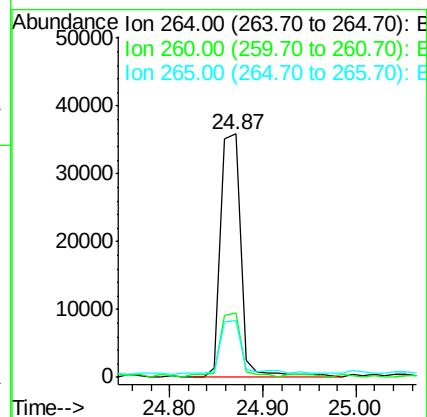
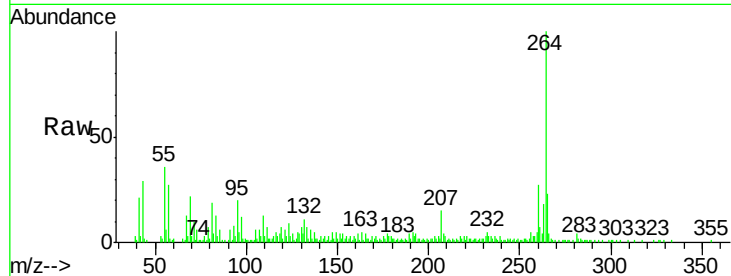




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.87 min Scan# 2059
Delta R.T. 0.02 min
Lab File: BF081581.D
Acq: 10 Sep 2015 23:24

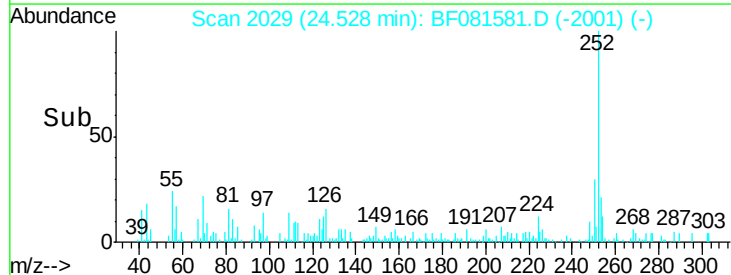
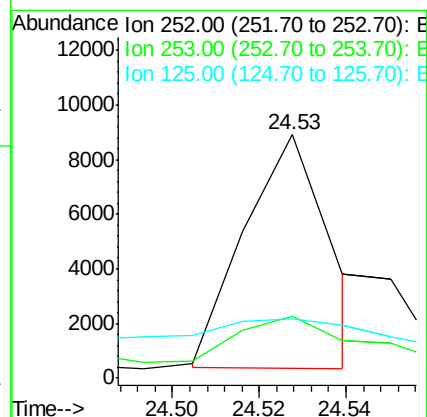
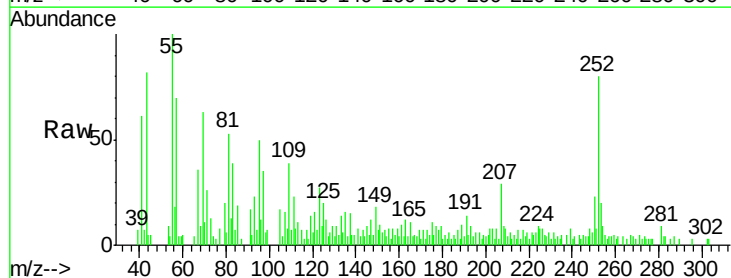
Instrument :
BNA_F
ClientSampled :
B4

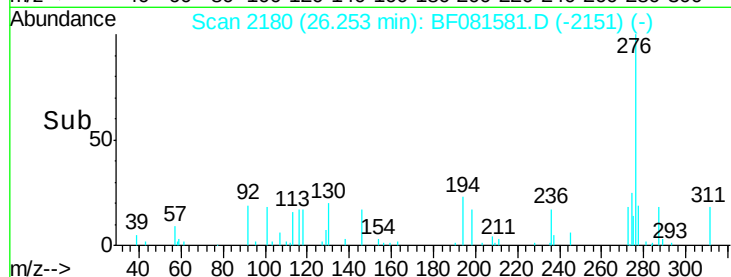
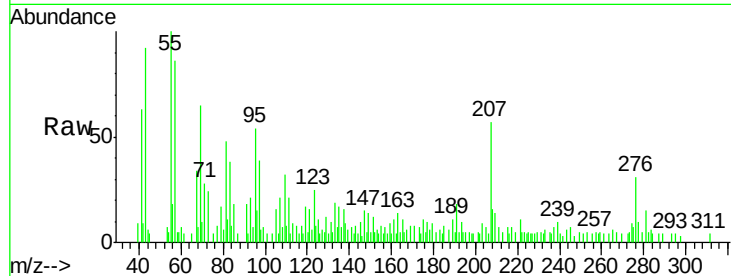
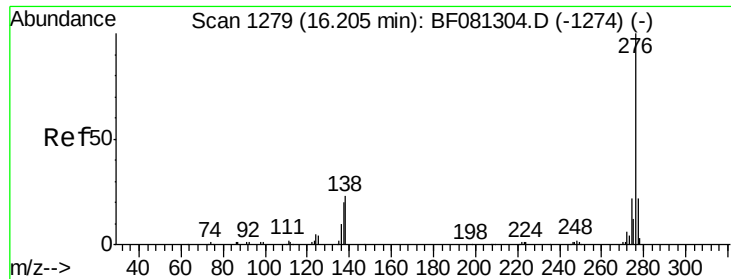
Tgt Ion:264 Resp: 54132
Ion Ratio Lower Upper
264 100
260 26.7 16.7 25.1#
265 23.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.01 ng m
RT: 24.53 min Scan# 2029
Delta R.T. 0.02 min
Lab File: BF081581.D
Acq: 10 Sep 2015 23:24

Tgt Ion:252 Resp: 11619
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 24.5 17.1 25.7





#91

Benzo(g,h,i)perylene

Concen: 2.16 ng

RT: 26.25 min Scan# 2180

Delta R.T. 0.03 min

Lab File: BF081581.D

Acq: 10 Sep 2015 23:24

Instrument :

BNA_F

ClientSampleId :

B4

Tgt Ion: 276 Resp: 5216

Ion Ratio Lower Upper

276 100

277 33.7 17.8 26.6#

138 30.2 34.6 51.8#

