

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081688.D
 Acq On : 17 Sep 2015 20:43
 Operator : UM/IZ
 Sample : G3620-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-2

Quant Time: Sep 18 00:56:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

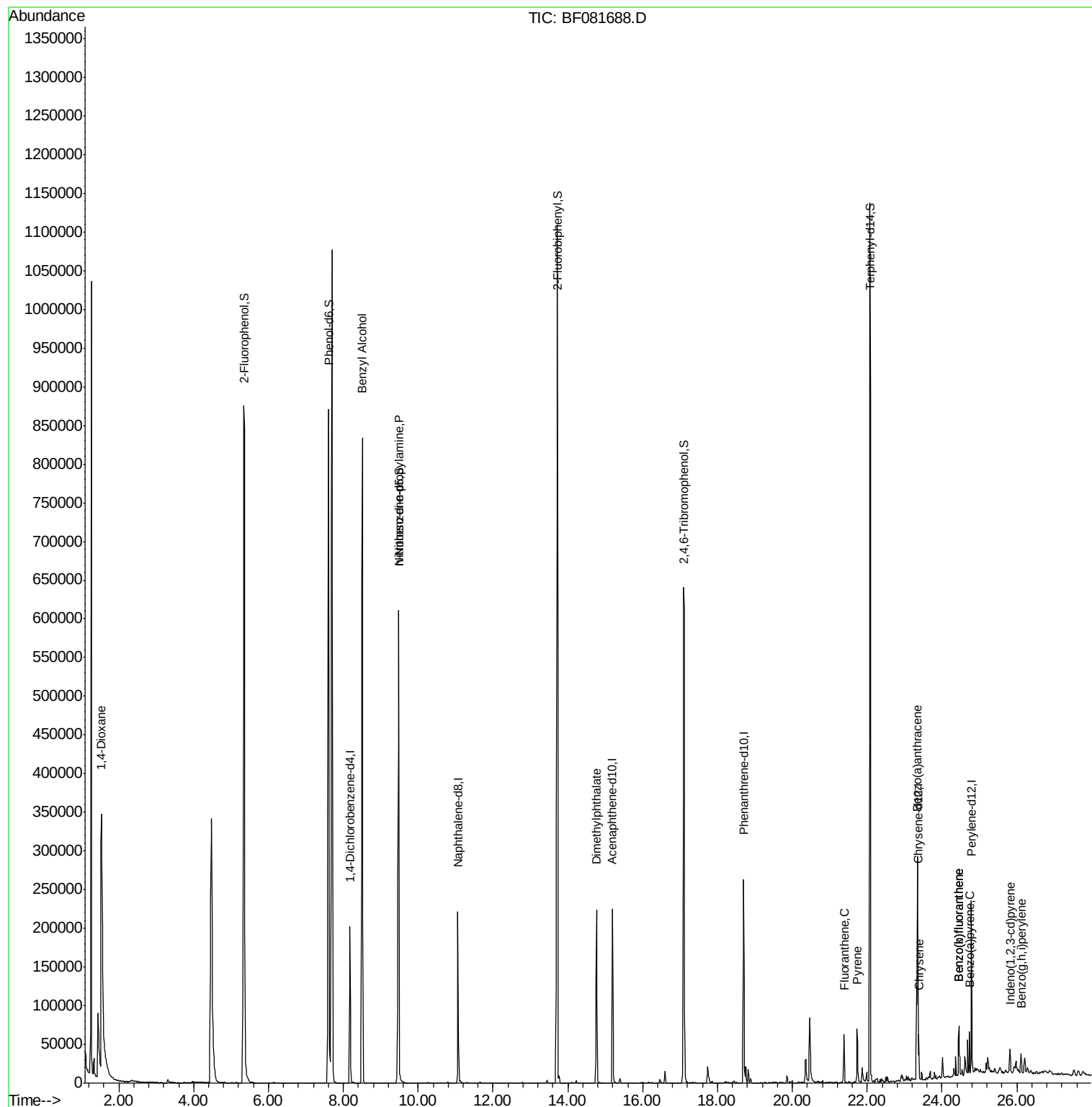
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	47265	20.00	ng	-0.04
21) Naphthalene-d8	11.06	136	191183	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	88872	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	176034	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	117488	20.00	ng	-0.03
86) Perylene-d12	24.78	264	80625	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	452734	148.61	ng	0.00
7) Phenol-d6	7.61	99	658378	163.27	ng	-0.03
23) Nitrobenzene-d5	9.48	82	427380	107.85	ng	-0.06
41) 2,4,6-Tribromophenol	17.11	330	128206	162.02	ng	-0.06
44) 2-Fluorobiphenyl	13.72	172	661108	95.33	ng	-0.06
78) Terphenyl-d14	22.07	244	563169	111.58	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	1.53	88	21576	15.77	ng	# 11
15) Benzyl Alcohol	8.50	79	6947	2.10	ng	# 26
19) n-Nitroso-di-n-propylamine	9.48	70	56545	20.60	ng	# 66
49) Dimethylphthalate	14.77	163	148737	21.54	ng	# 97
74) Fluoranthene	21.39	202	43290	4.09	ng	86
77) Pyrene	21.73	202	39378	4.52	ng	97
80) Benzo(a)anthracene	23.34	228	25113	3.36	ng	97
82) Chrysene	23.37	228	26337	3.93	ng	96
85) Indeno(1,2,3-cd)pyrene	25.82	276	17826	3.62	ng	# 79
87) Benzo(b)fluoranthene	24.45	252	47649	8.28	ng	# 86
88) Benzo(k)fluoranthene	24.45	252	47649	9.98	ng	# 88
89) Benzo(a)pyrene	24.73	252	22006	4.51	ng	# 82
91) Benzo(g,h,i)perylene	26.12	276	17153	4.77	ng	# 70

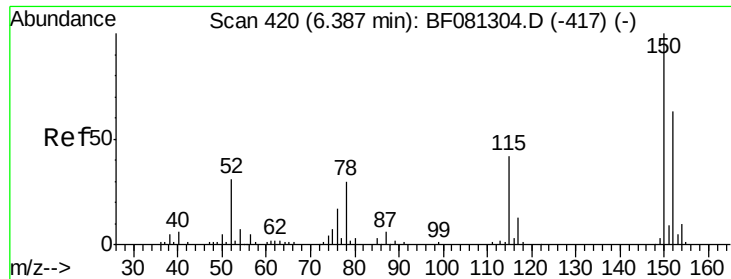
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 620

Delta R.T. -0.04 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

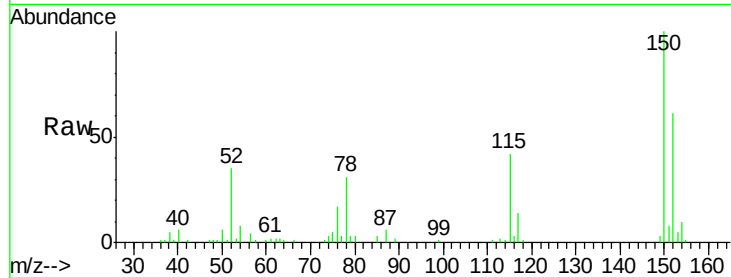
Tgt Ion:152 Resp: 47265

Ion Ratio Lower Upper

152 100

150 162.9 124.7 187.1

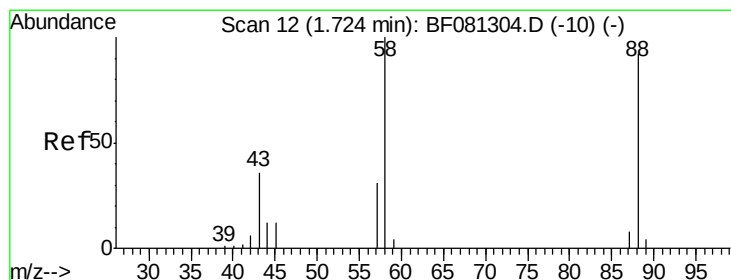
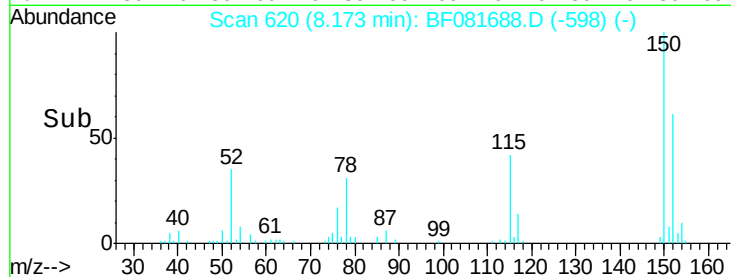
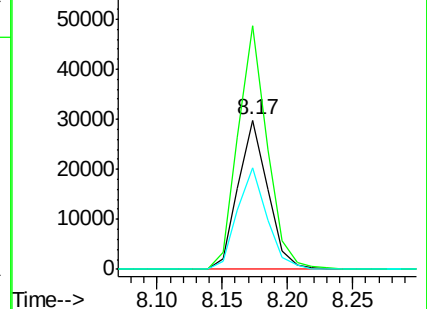
115 68.0 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 15.77 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

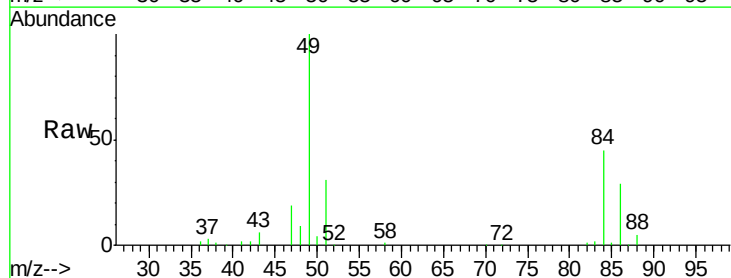
Tgt Ion: 88 Resp: 21576

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

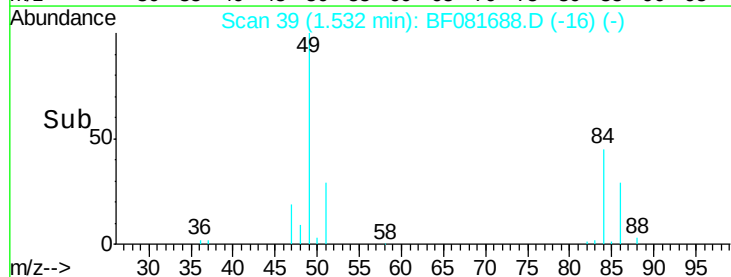
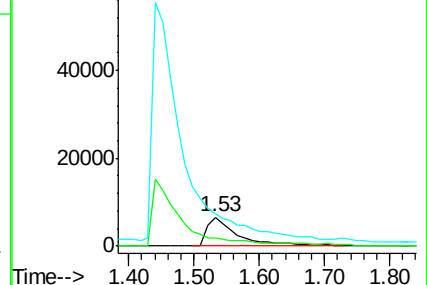
43 0.0 26.6 40.0#

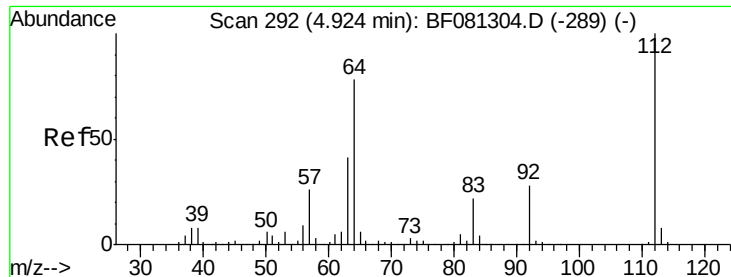


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 148.61 ng

RT: 5.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

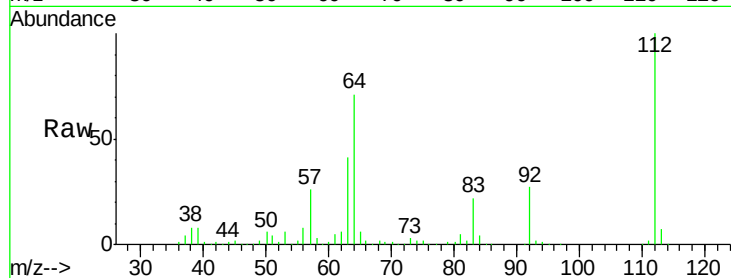
Tgt Ion: 112 Resp: 452734

Ion Ratio Lower Upper

112 100

64 70.6 39.7 59.5#

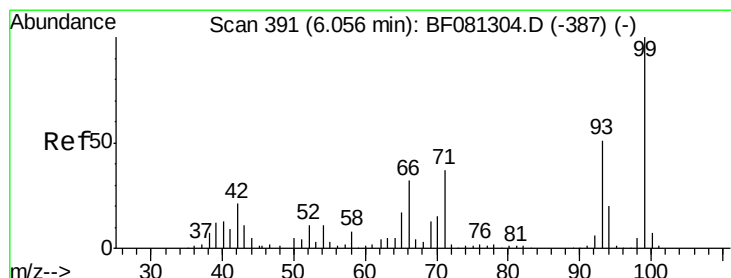
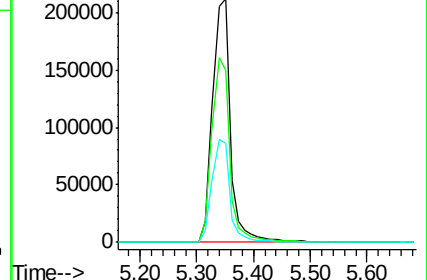
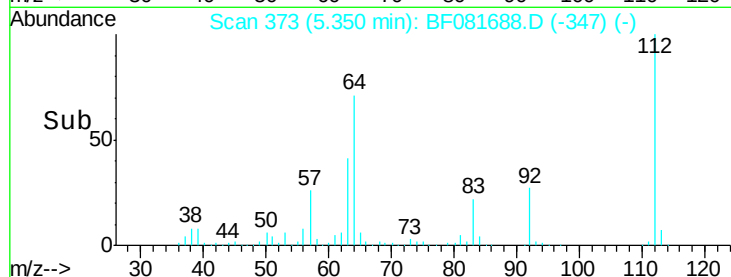
63 40.6 17.4 26.0#



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: 163.27 ng

RT: 7.61 min Scan# 571

Delta R.T. -0.03 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

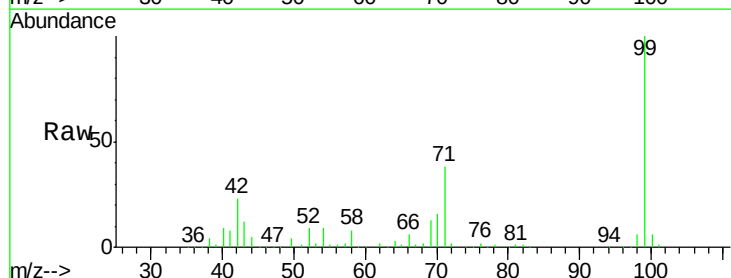
Tgt Ion: 99 Resp: 658378

Ion Ratio Lower Upper

99 100

42 23.1 13.7 20.5#

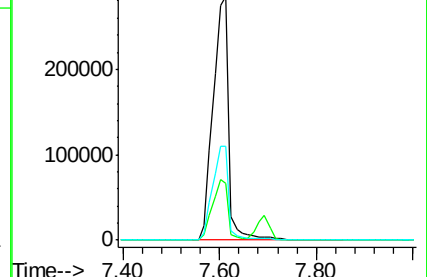
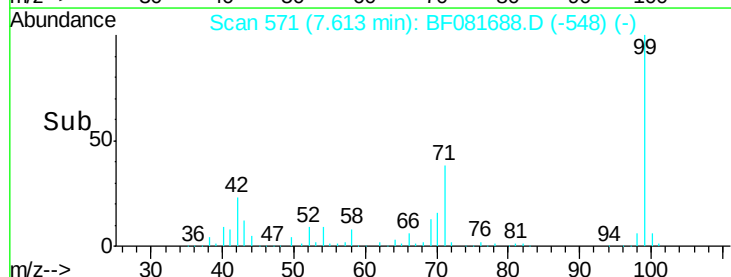
71 38.3 14.2 21.2#

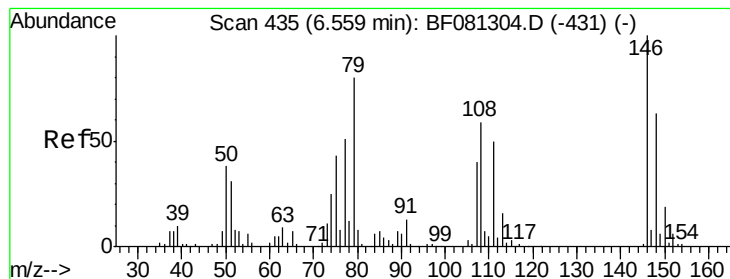


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 8.50 min Scan# 649

Delta R.T. -0.16 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampled :

DUP-2

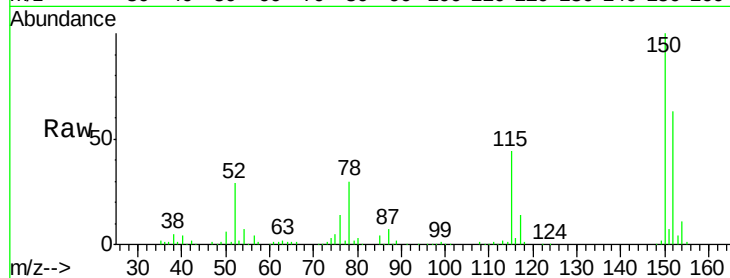
Tgt Ion: 79 Resp: 6947

Ion Ratio Lower Upper

79 100

108 29.8 88.6 132.8#

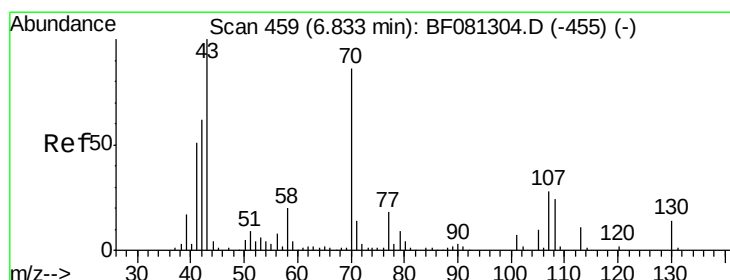
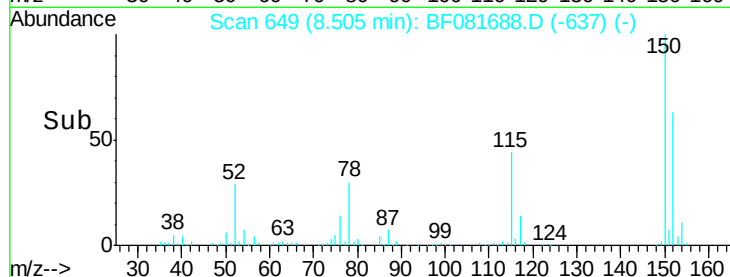
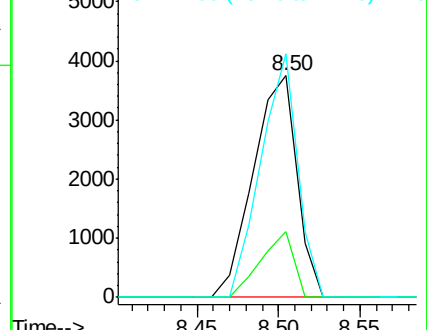
77 109.8 47.0 70.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.60 ng

RT: 9.48 min Scan# 734

Delta R.T. 0.18 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Tgt Ion: 70 Resp: 56545

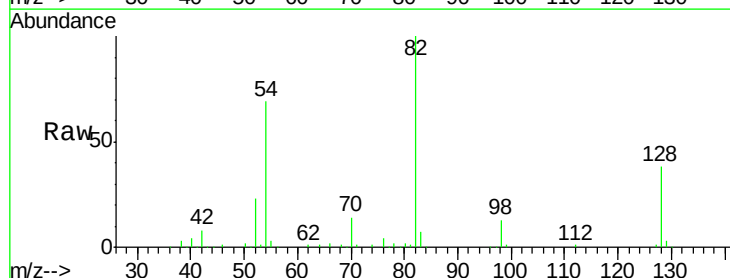
Ion Ratio Lower Upper

70 100

42 57.8 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

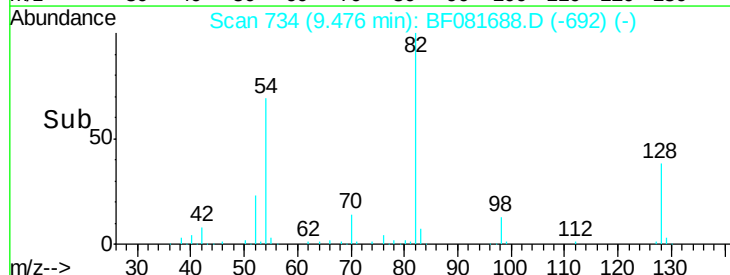
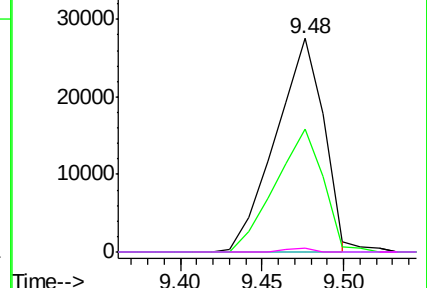


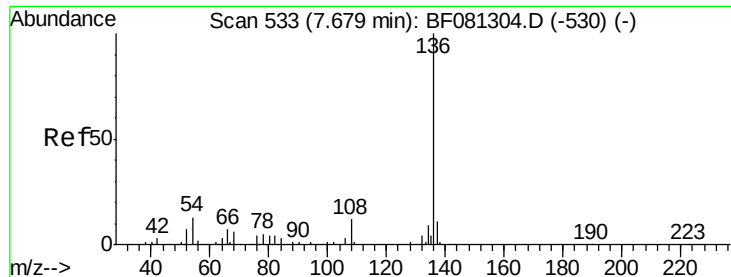
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.06 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

Tgt Ion: 136 Resp: 191183

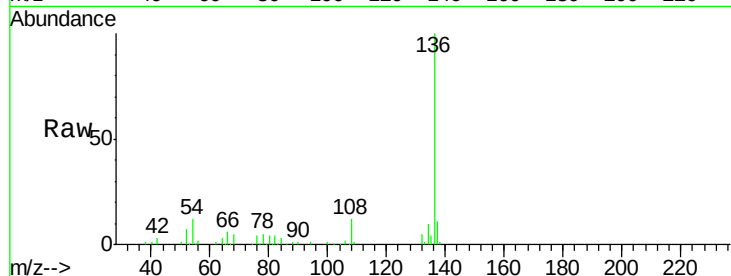
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 12.3 8.2 12.2#

68 5.1 5.8 8.6#

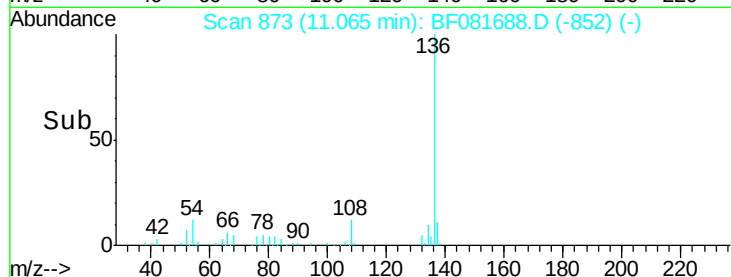


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

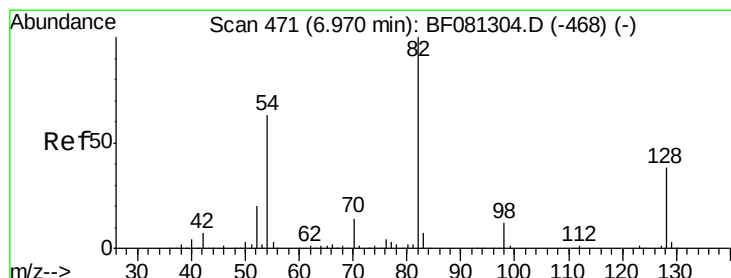
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

11.06



#23

Nitrobenzene-d5

Concen: 107.85 ng

RT: 9.48 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

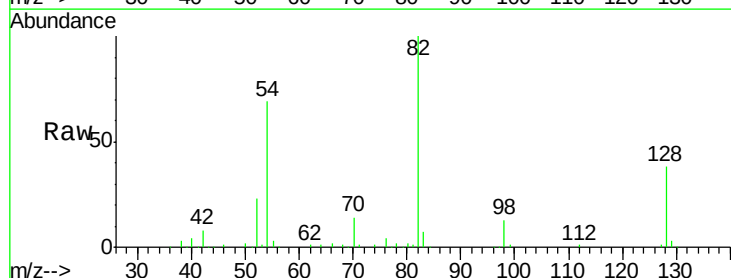
Tgt Ion: 82 Resp: 427380

Ion Ratio Lower Upper

82 100

128 37.6 51.0 76.6#

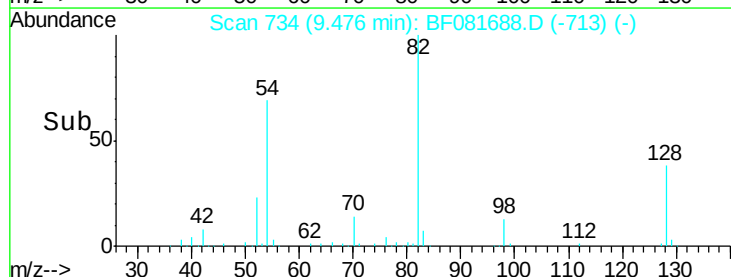
54 68.6 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

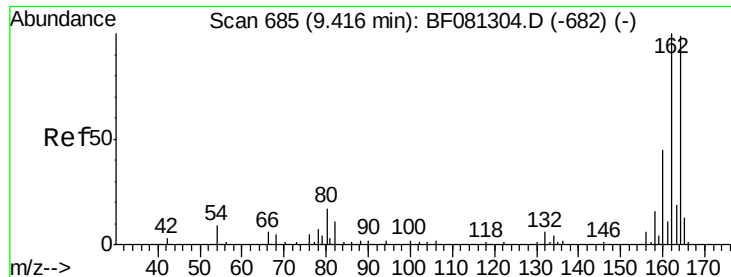
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

9.48



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.19 min Scan# 1234

Delta R.T. -0.07 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

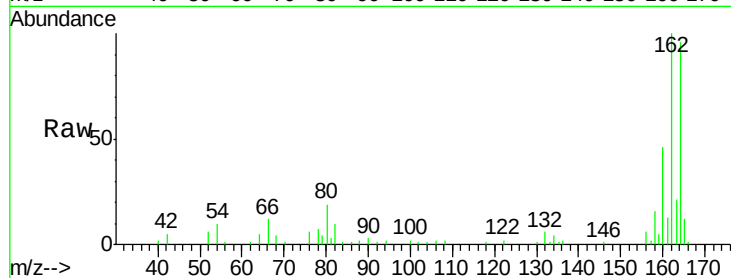
Tgt Ion:164 Resp: 88872

Ion Ratio Lower Upper

164 100

162 104.0 75.2 112.8

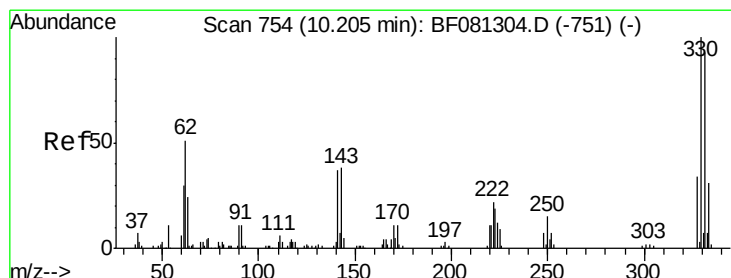
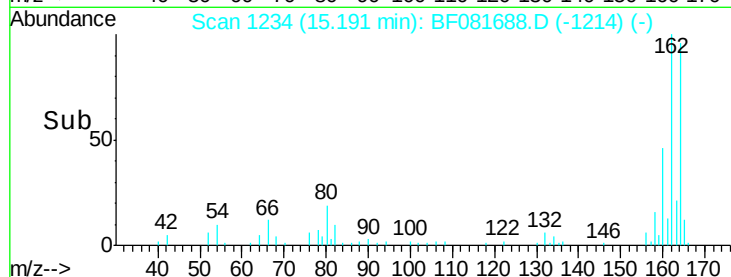
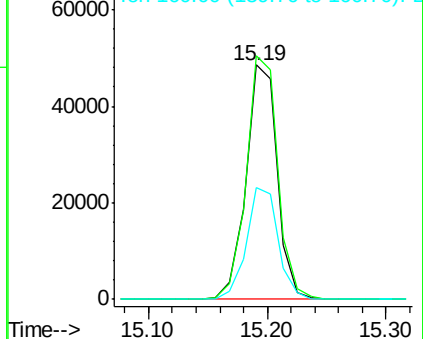
160 47.8 31.5 47.3#



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: 162.02 ng

RT: 17.11 min Scan# 1402

Delta R.T. -0.06 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

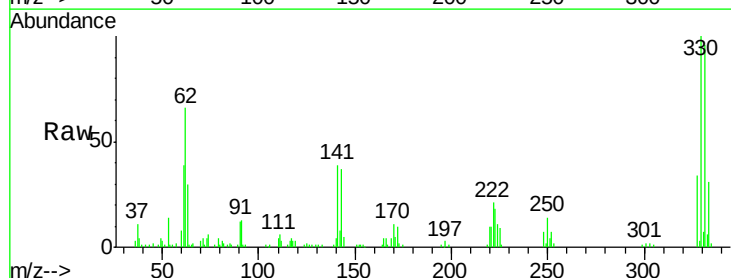
Tgt Ion:330 Resp: 128206

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

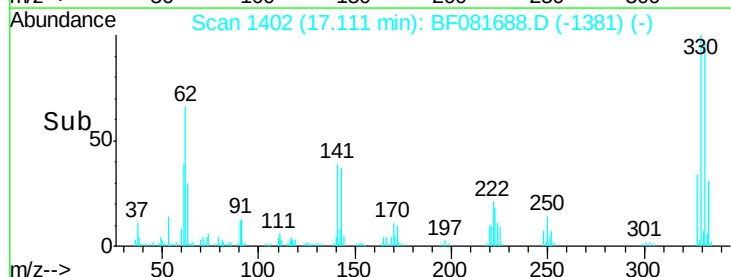
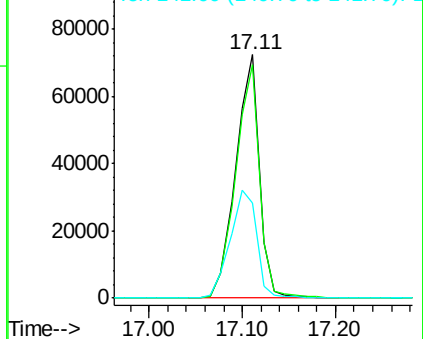
141 49.6 29.7 44.5#

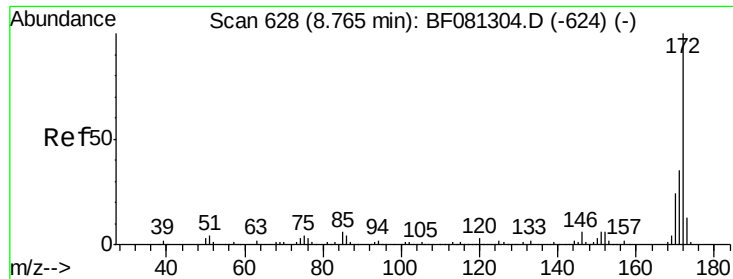


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

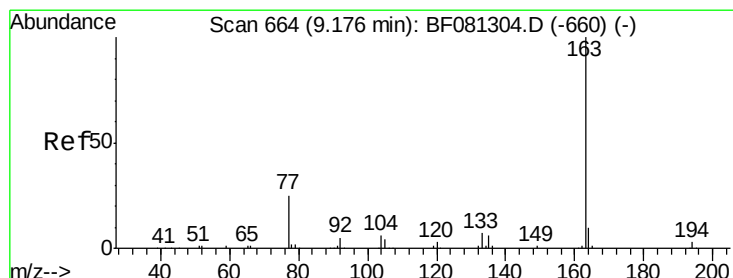
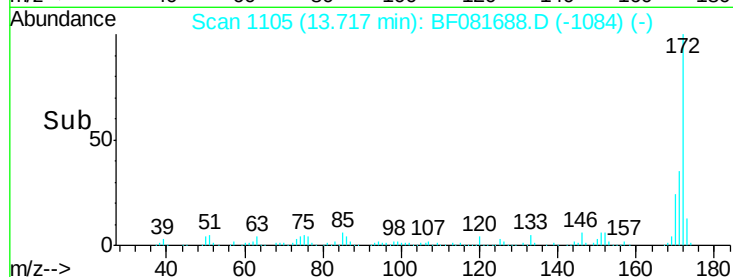
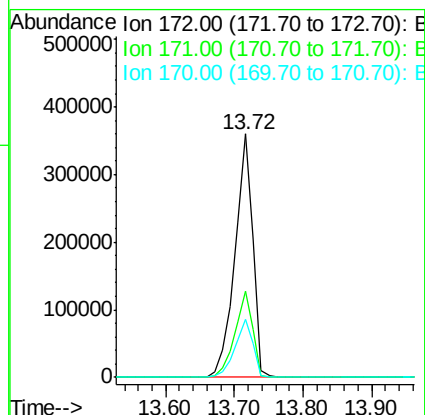
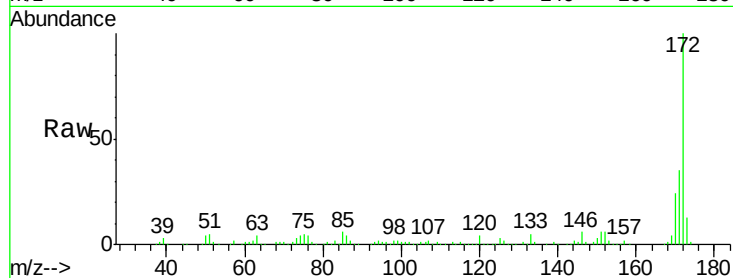




#44
2-Fluorobiphenyl
Concen: 95.33 ng
RT: 13.72 min Scan# 1105
Delta R.T. -0.06 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

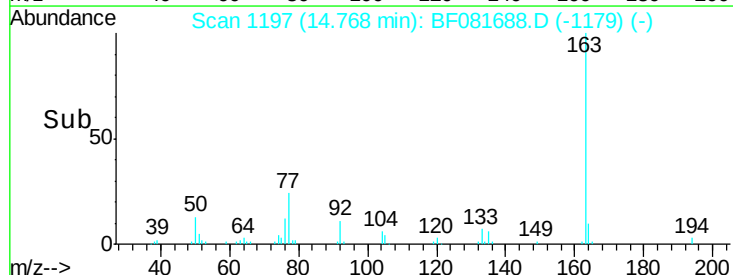
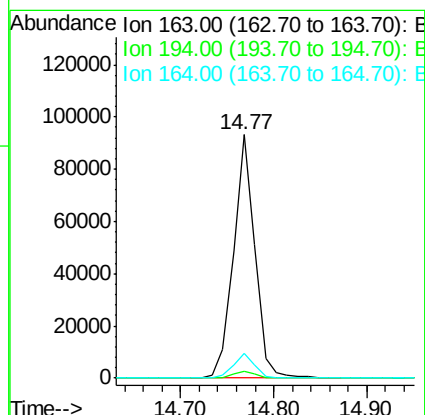
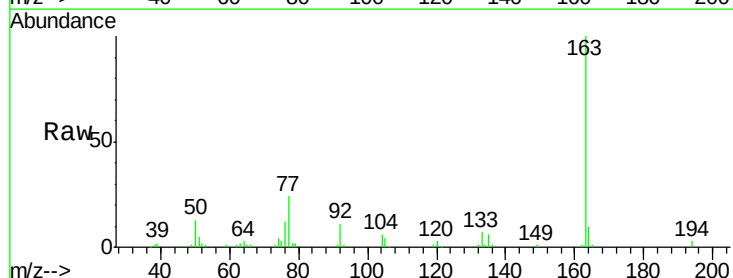
Instrument :
BNA_F
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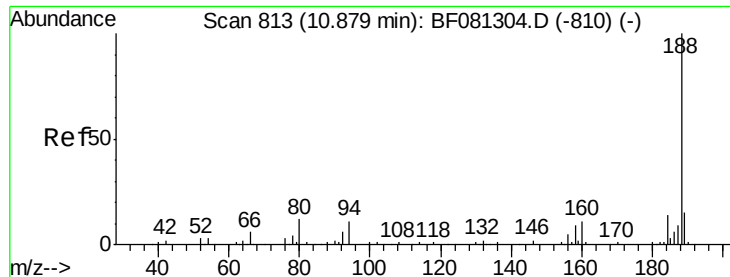
Tgt Ion:172 Resp: 661108
Ion Ratio Lower Upper
172 100
171 35.4 26.1 39.1
170 24.0 17.4 26.2



#49
Dimethylphthalate
Concen: 21.54 ng
RT: 14.77 min Scan# 1197
Delta R.T. -0.09 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

Tgt Ion:163 Resp: 148737
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 10.0 8.3 12.5

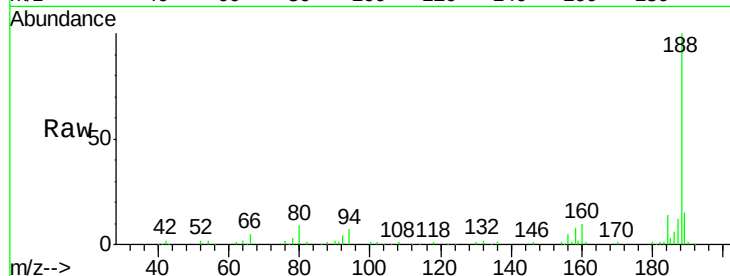




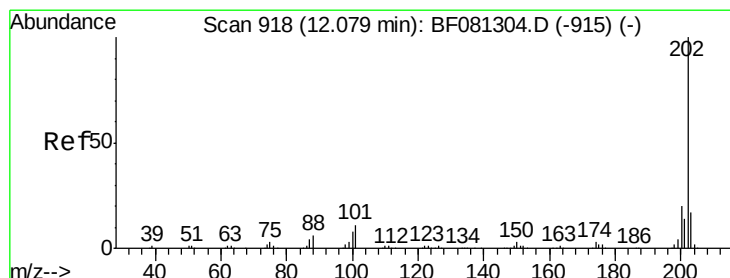
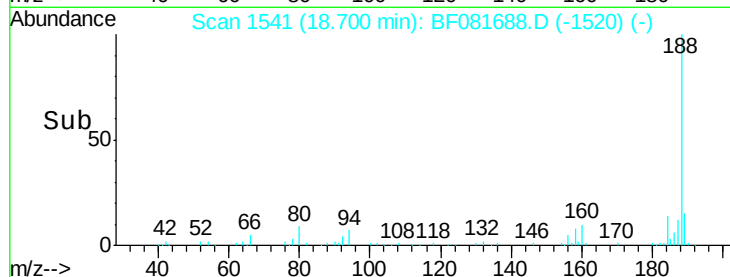
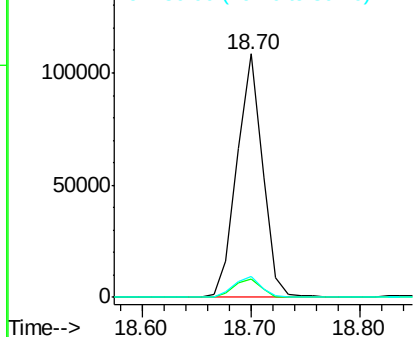
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

Instrument :
BNA_F
ClientSampleId :
DUP-2

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	11.1	16.7#
80	8.8	11.0	16.4#

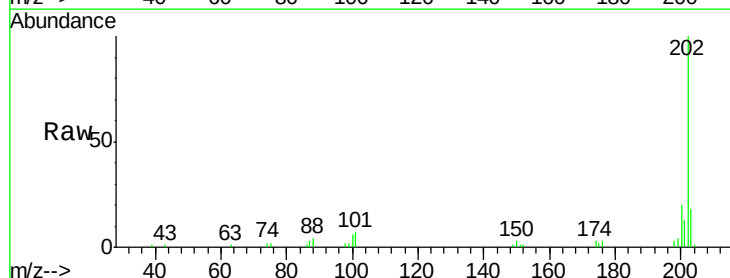


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

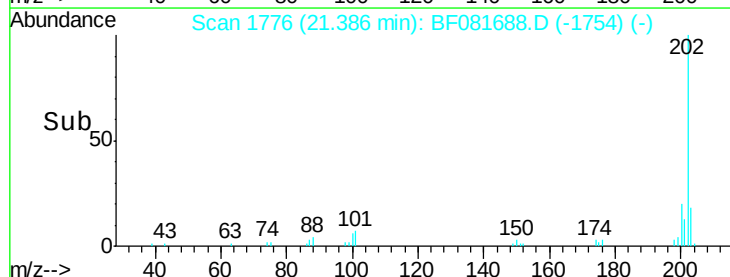
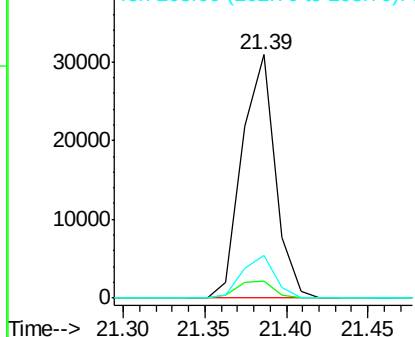


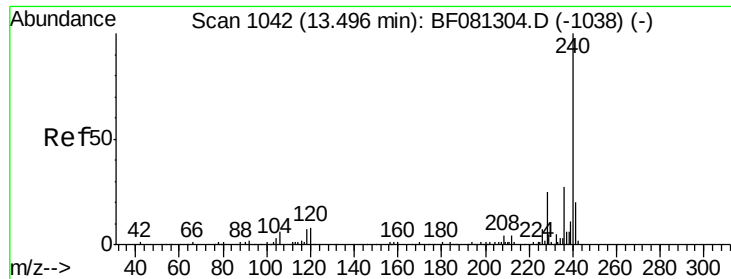
#74
Fluoranthene
Concen: 4.09 ng
RT: 21.39 min Scan# 1776
Delta R.T. -0.04 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	38.3
203	17.7	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: 23.35 min Scan# 1948

Delta R.T. -0.03 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

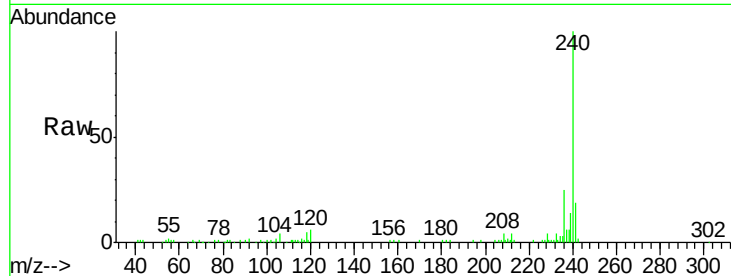
Tgt Ion:240 Resp: 117488

Ion Ratio Lower Upper

240 100

120 5.7 16.2 24.2#

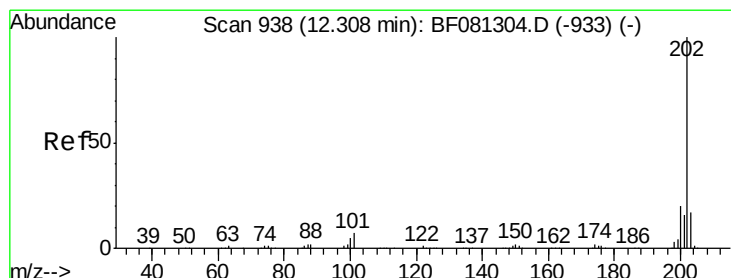
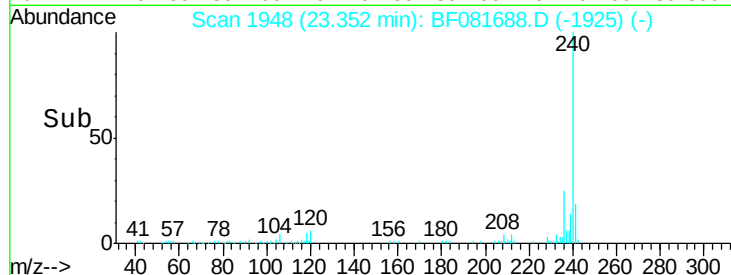
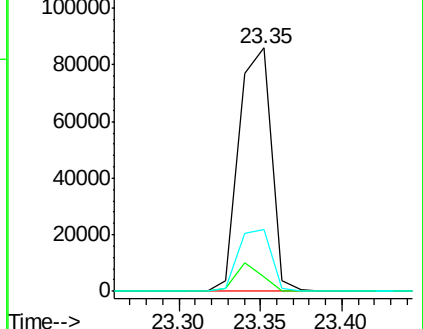
236 25.4 18.4 27.6



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: 4.52 ng

RT: 21.73 min Scan# 1806

Delta R.T. -0.06 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

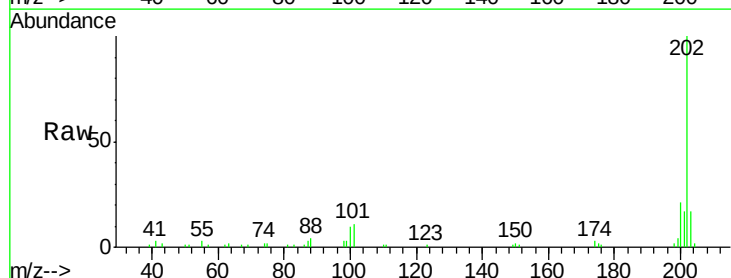
Tgt Ion:202 Resp: 39378

Ion Ratio Lower Upper

202 100

200 20.5 15.0 22.4

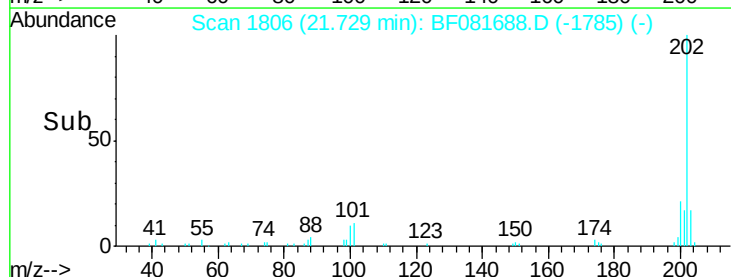
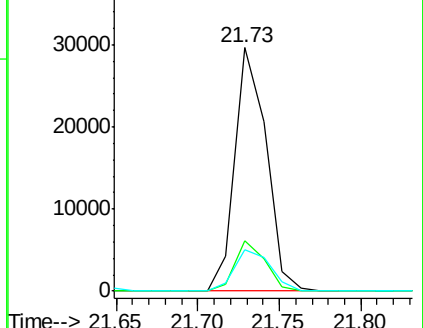
203 16.9 14.1 21.1

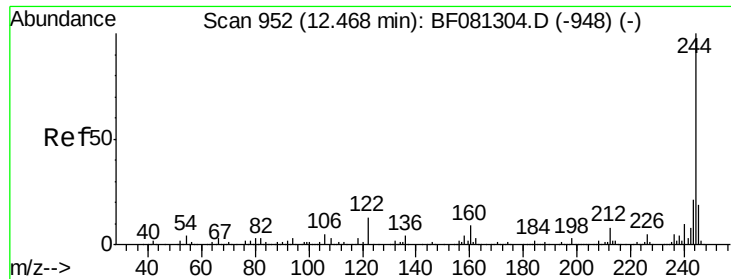


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 111.58 ng

RT: 22.07 min Scan# 1836

Delta R.T. -0.04 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

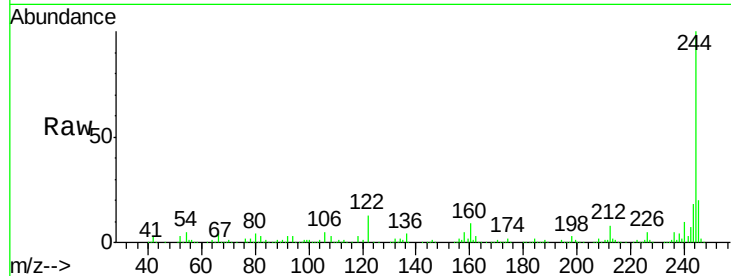
Tgt Ion:244 Resp: 563169

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

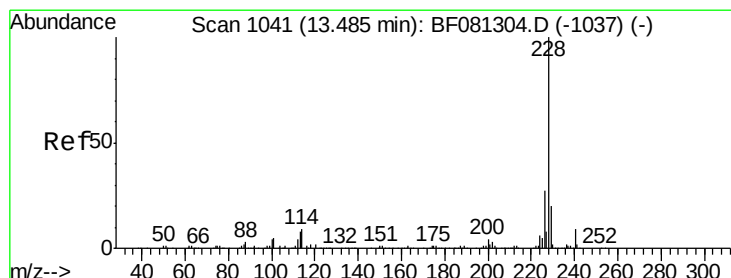
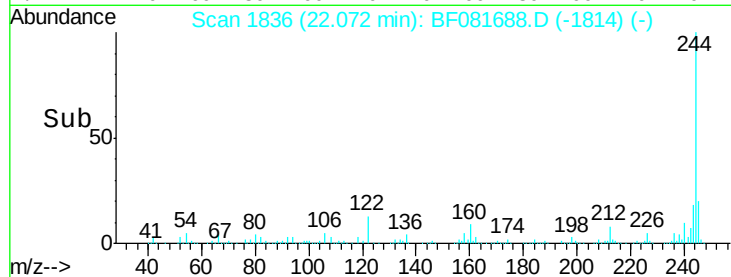
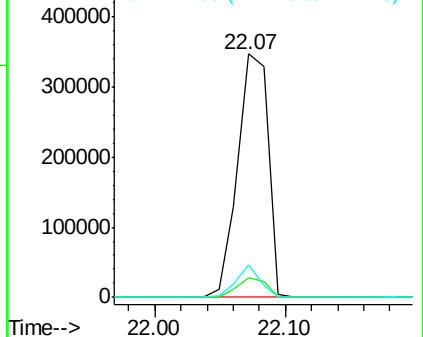
122 13.4 17.4 26.2#



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: 3.36 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

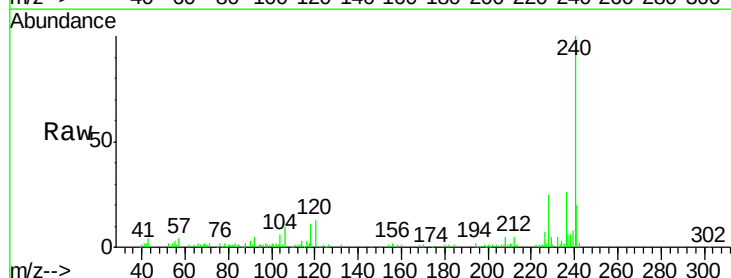
Tgt Ion:228 Resp: 25113

Ion Ratio Lower Upper

228 100

226 26.5 20.0 30.0

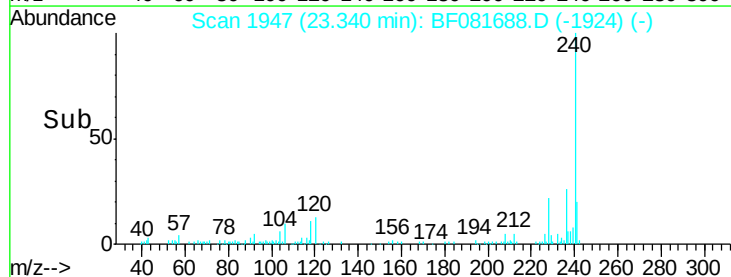
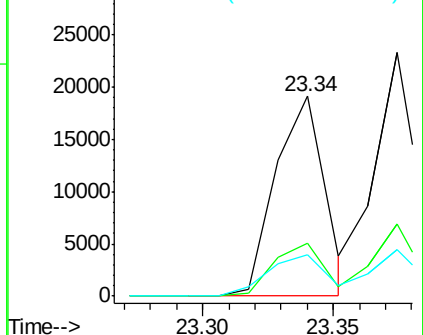
229 20.6 15.4 23.2

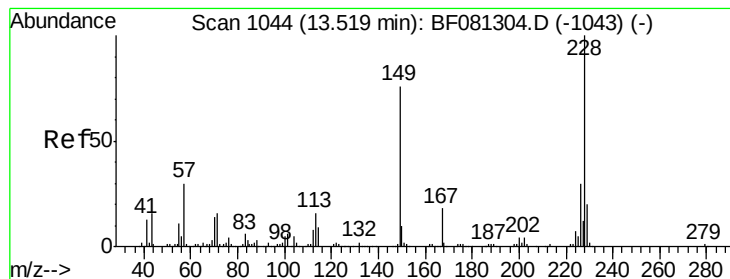


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.93 ng

RT: 23.37 min Scan# 1950

Delta R.T. -0.04 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2

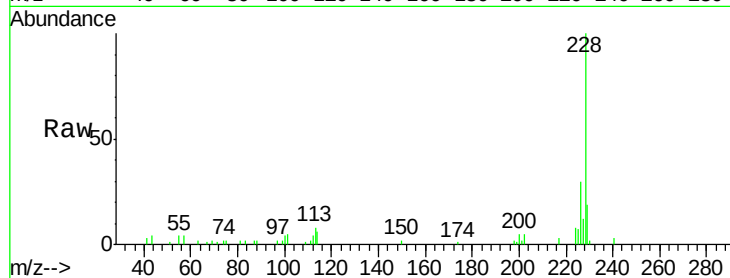
Tgt Ion:228 Resp: 26337

Ion Ratio Lower Upper

228 100

226 29.8 21.0 31.4

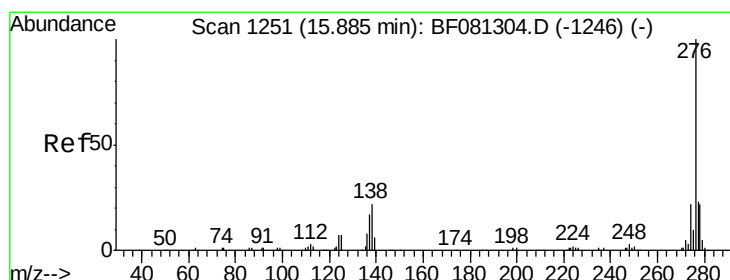
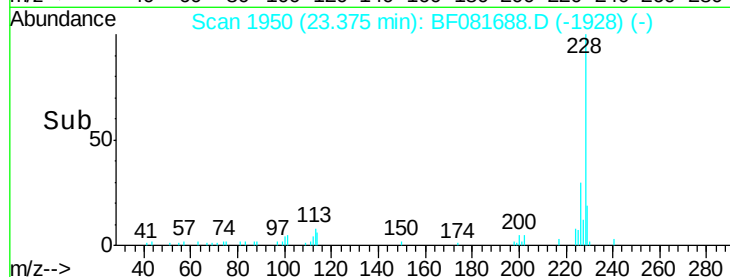
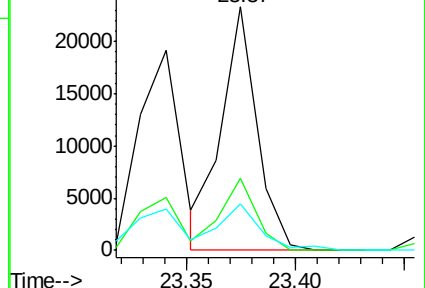
229 19.3 15.6 23.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.62 ng

RT: 25.82 min Scan# 2164

Delta R.T. -0.06 min

Lab File: BF081688.D

Acq: 17 Sep 2015 20:43

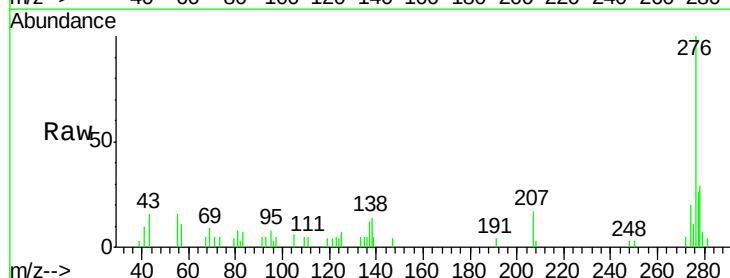
Tgt Ion:276 Resp: 17826

Ion Ratio Lower Upper

276 100

138 17.7 25.7 38.5#

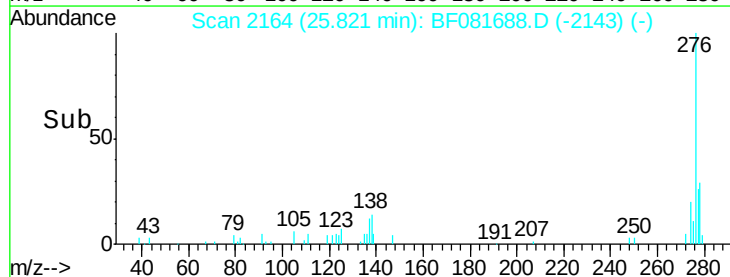
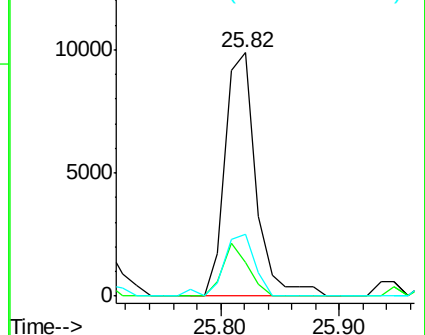
277 25.3 15.6 23.4#

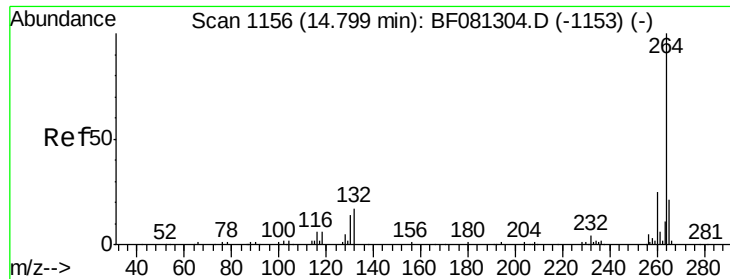


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

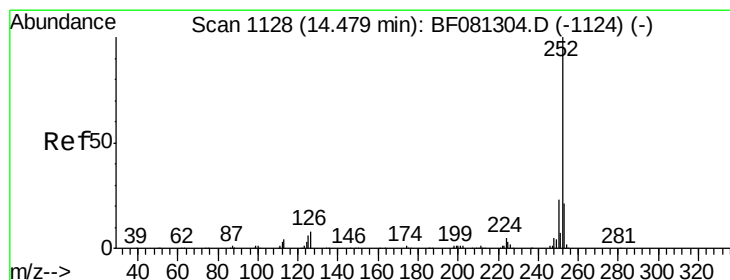
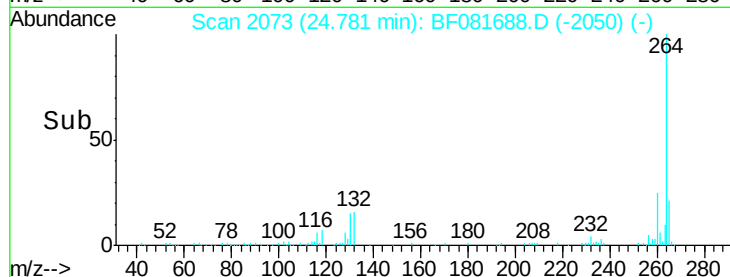
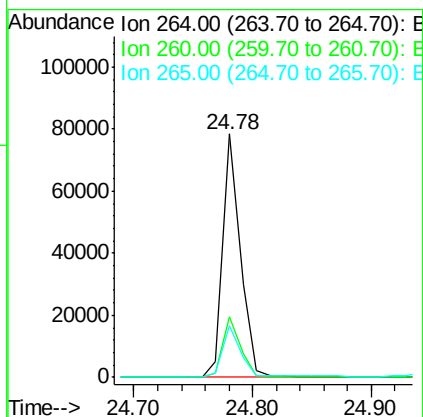
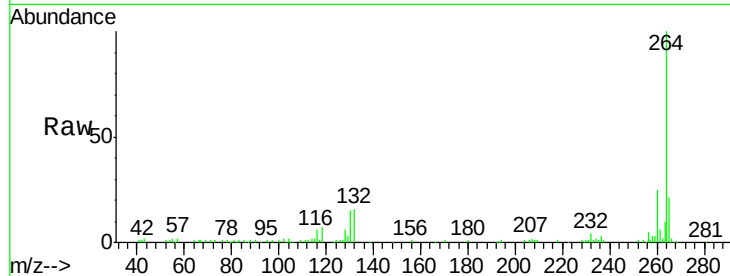




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.78 min Scan# 2073
Delta R.T. -0.03 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

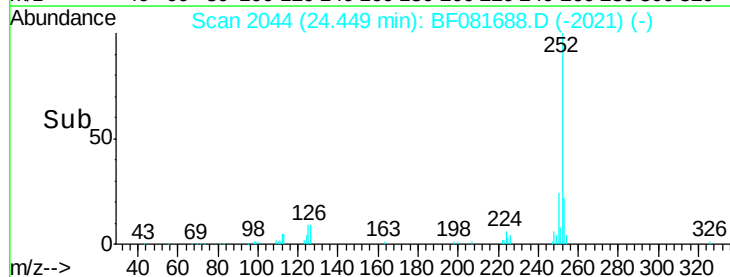
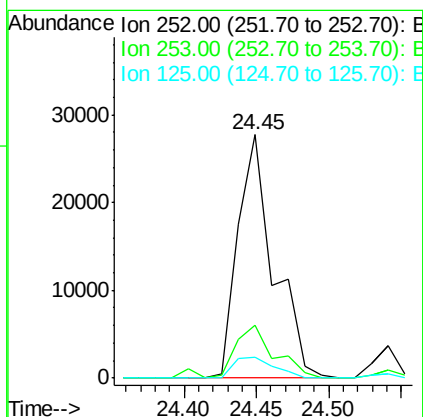
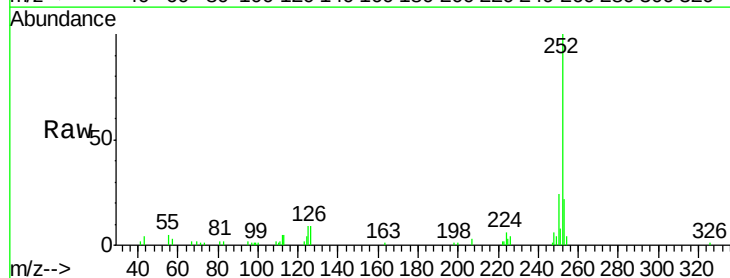
Instrument :
BNA_F
ClientSampled :
DUP-2

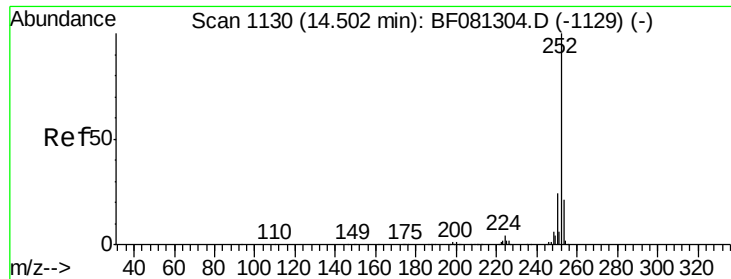
Tgt Ion: 264 Resp: 80625
Ion Ratio Lower Upper
264 100
260 25.1 16.7 25.1#
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 8.28 ng
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

Tgt Ion: 252 Resp: 47649
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 8.8 17.1 25.7#

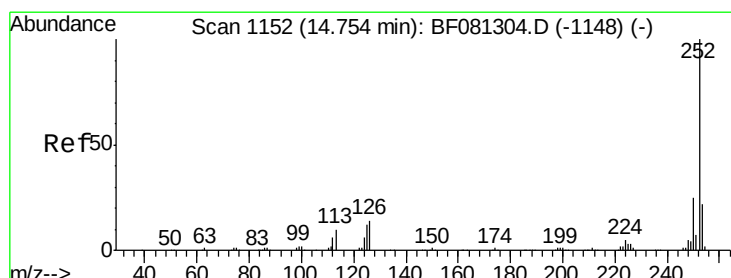
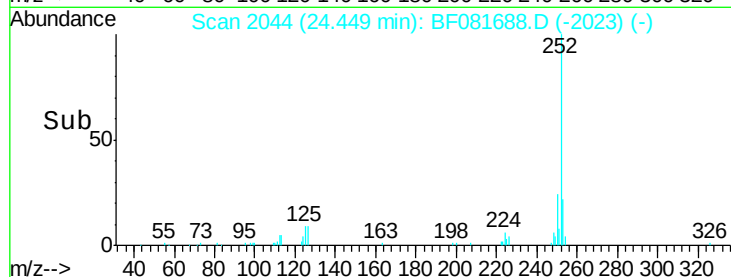
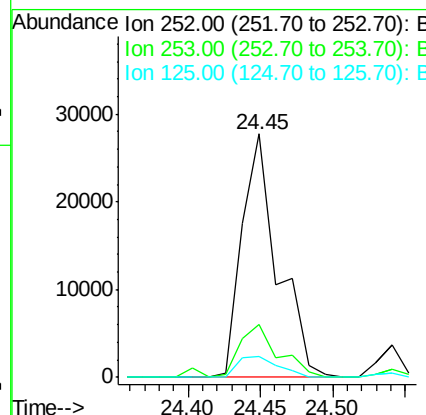
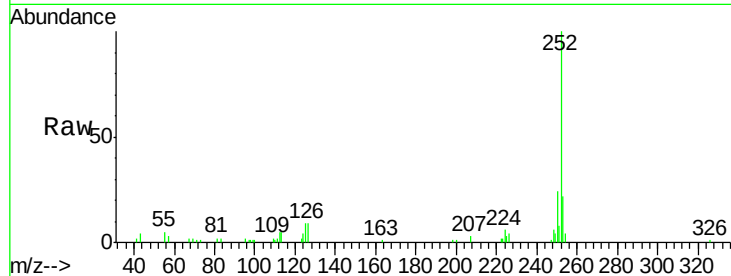




#88
Benzo(k)fluoranthene
Concen: 9.98 ng
RT: 24.45 min Scan# 2044
Delta R.T. -0.06 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

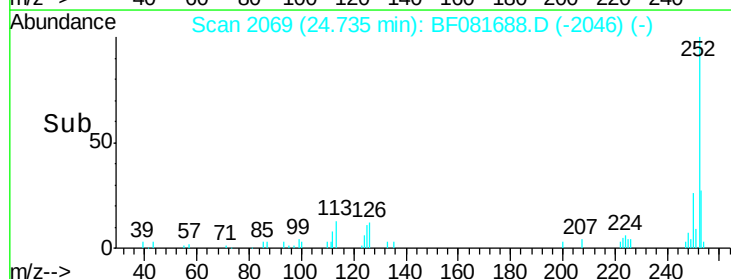
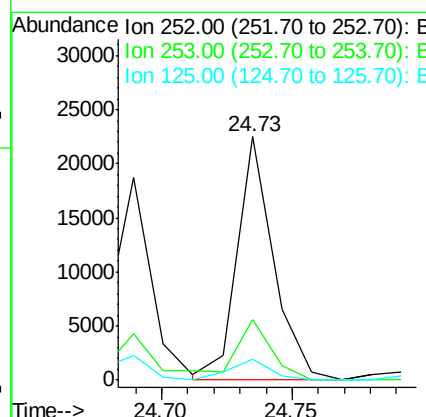
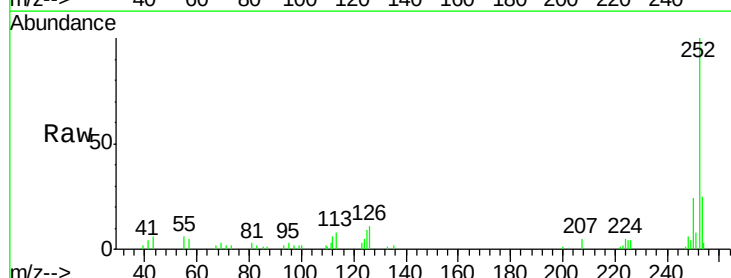
Instrument :
BNA_F
ClientSampleId :
DUP-2

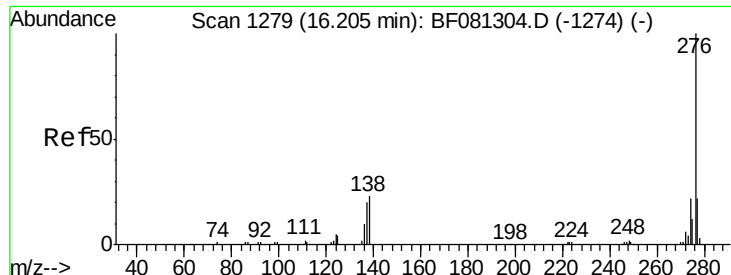
Tgt Ion:252 Resp: 47649
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.4
125 8.8 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 4.51 ng
RT: 24.73 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BF081688.D
Acq: 17 Sep 2015 20:43

Tgt Ion:252 Resp: 22006
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 8.8 18.0 27.0#





#91

Benzo(g,h,i)perylene

Concen: 4.77 ng

RT: 26.12 min Scan# 2190

Delta R.T. -0.06 min

Lab File: BF081688.D

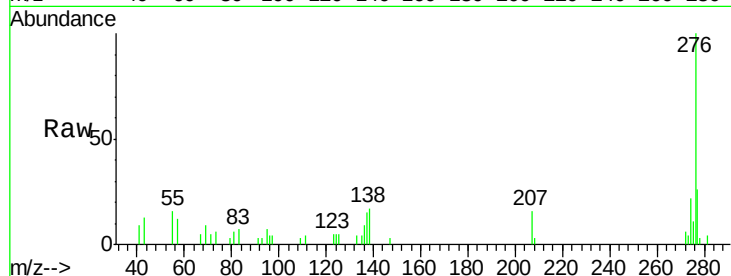
Acq: 17 Sep 2015 20:43

Instrument :

BNA_F

ClientSampleId :

DUP-2



Tgt Ion:	276	Resp:	17153
Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.8	26.6
138	16.6	34.6	51.8#

