

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
 Data File : BF081689.D
 Acq On : 17 Sep 2015 21:20
 Operator : UM/IZ
 Sample : G3664-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Quant Time: Sep 18 00:56:36 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

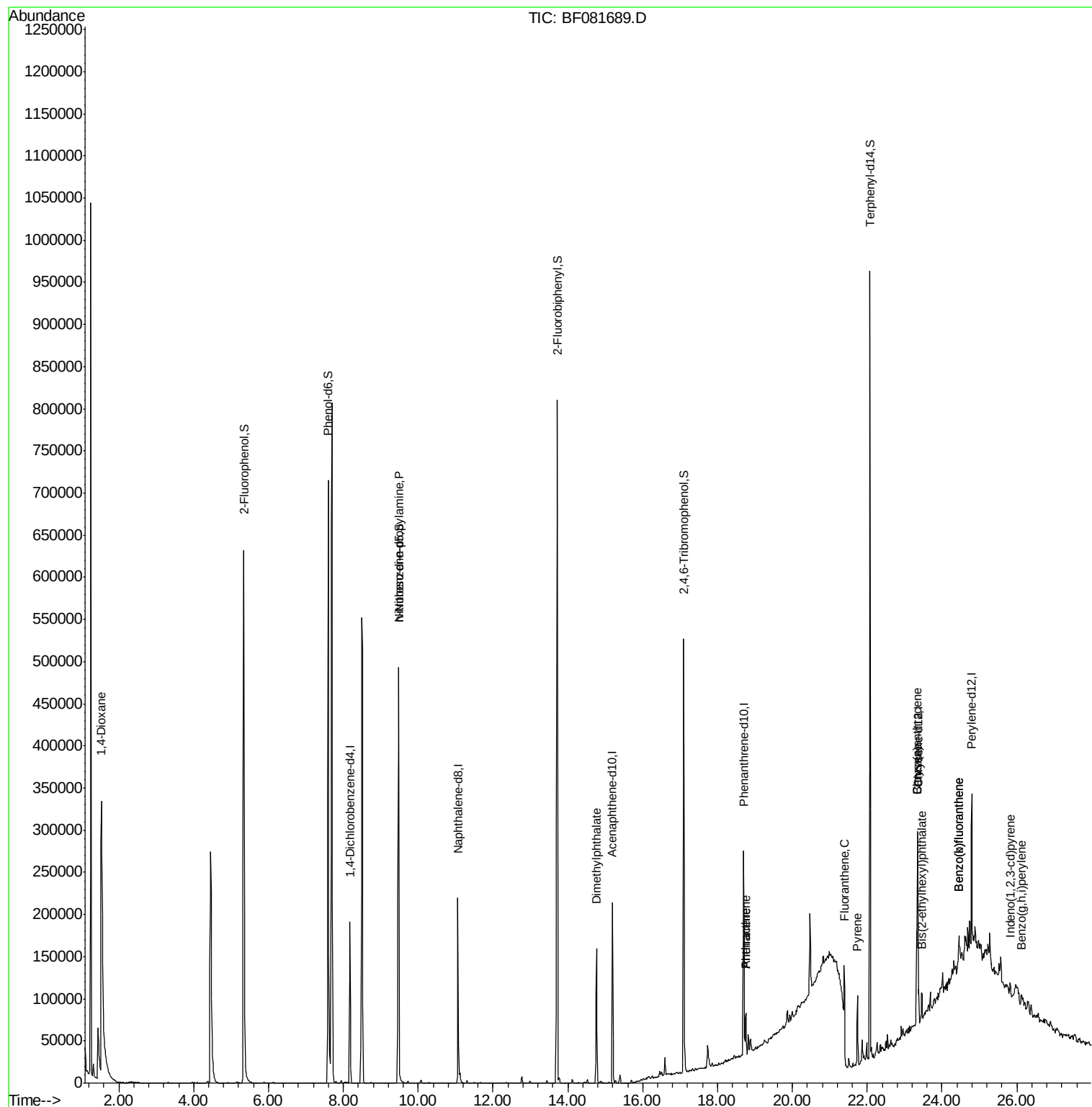
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46318	20.00	ng	-0.04
21) Naphthalene-d8	11.07	136	178001	20.00	ng	-0.06
38) Acenaphthene-d10	15.19	164	81779	20.00	ng	-0.07
63) Phenanthrene-d10	18.70	188	162226	20.00	ng	-0.06
75) Chrysene-d12	23.35	240	94635	20.00	ng	-0.03
86) Perylene-d12	24.79	264	80758	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	319116	106.89	ng	0.00
7) Phenol-d6	7.60	99	448446	113.48	ng	-0.04
23) Nitrobenzene-d5	9.48	82	299384	81.15	ng	-0.06
41) 2,4,6-Tribromophenol	17.10	330	86107	118.25	ng	-0.07
44) 2-Fluorobiphenyl	13.72	172	469801	73.62	ng	-0.06
78) Terphenyl-d14	22.07	244	343303	84.45	ng	-0.04
Target Compounds						
2) 1,4-Dioxane	1.53	88	20959	15.63	ng	# 11
19) n-Nitroso-di-n-propylamine	9.48	70	39964	14.86	ng	# 68
49) Dimethylphthalate	14.77	163	105110	16.54	ng	# 96
70) Phenanthrene	18.76	178	37131	4.12	ng	97
71) Anthracene	18.76	178	37131	4.01	ng	98
74) Fluoranthene	21.39	202	48291	4.95	ng	90
77) Pyrene	21.74	202	41504	5.92	ng	95
80) Benzo(a)anthracene	23.34	228	14185	2.35	ng	95
82) Chrysene	23.34	228	14185	2.63	ng	96
83) Bis(2-ethylhexyl)phthalate	23.47	149	11651	2.90	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.82	276	8499	2.14	ng	# 76
87) Benzo(b)fluoranthene	24.45	252	22193	3.85	ng	95
88) Benzo(k)fluoranthene	24.45	252	22193	4.64	ng	95
91) Benzo(g,h,i)perylene	26.13	276	7843	2.18	ng	# 69

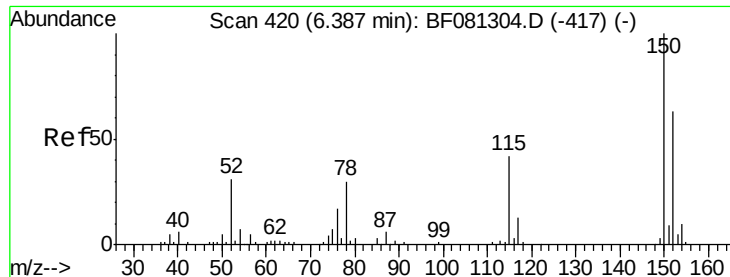
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

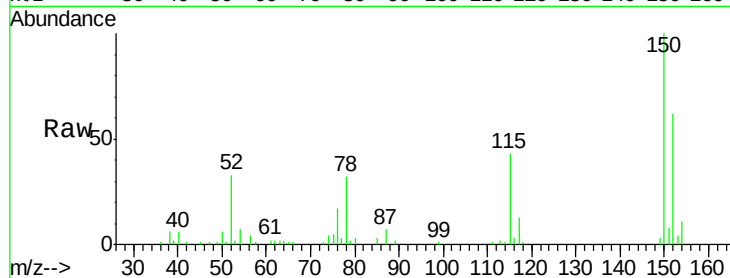
Tgt Ion:152 Resp: 46318

Ion Ratio Lower Upper

152 100

150 161.8 124.7 187.1

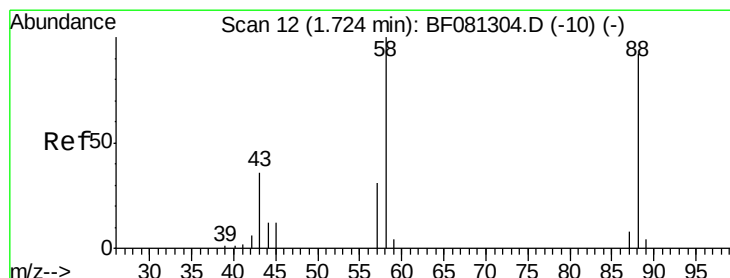
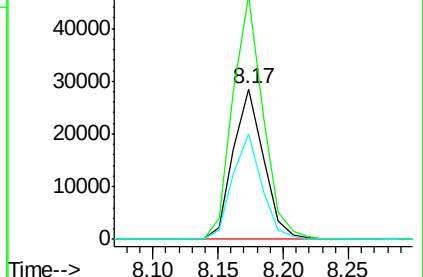
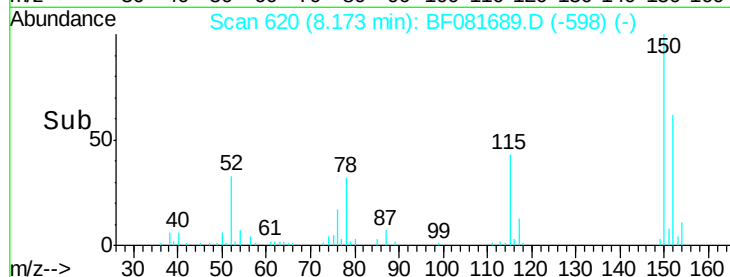
115 70.3 39.0 58.4#



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: 15.63 ng

RT: 1.53 min Scan# 39

Delta R.T. -0.03 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

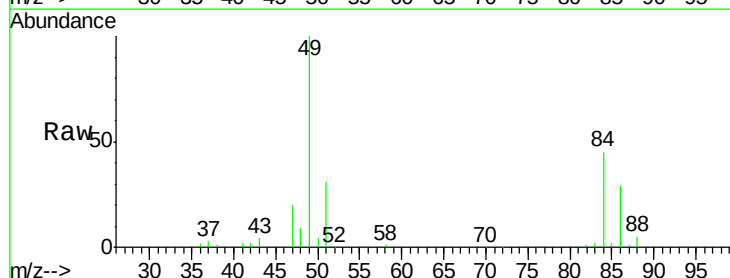
Tgt Ion: 88 Resp: 20959

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

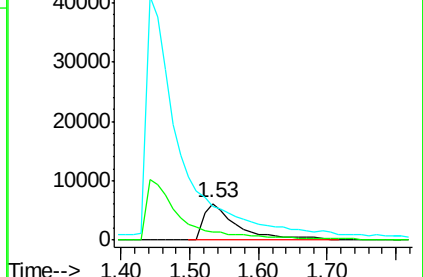
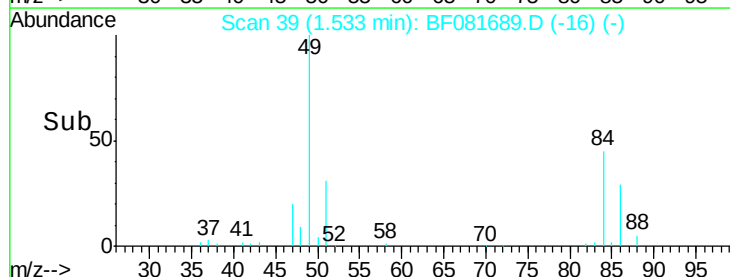
43 0.0 26.6 40.0#

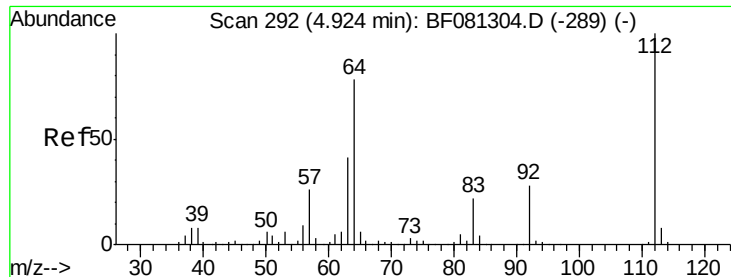


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 106.89 ng

RT: 5.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

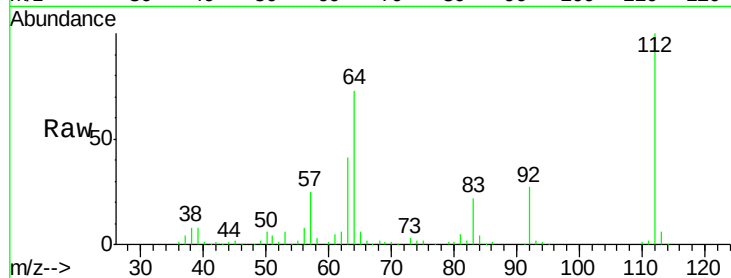
Tgt Ion: 112 Resp: 319116

Ion Ratio Lower Upper

112 100

64 72.7 39.7 59.5#

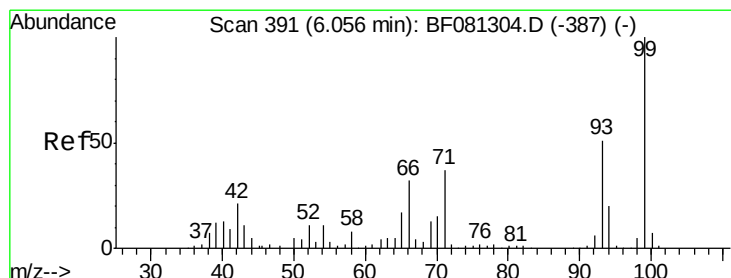
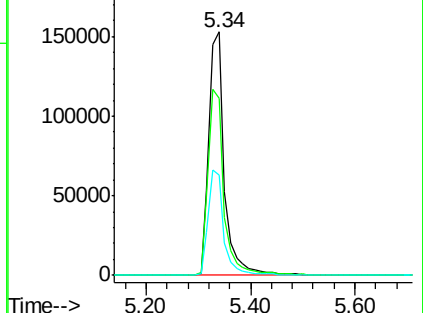
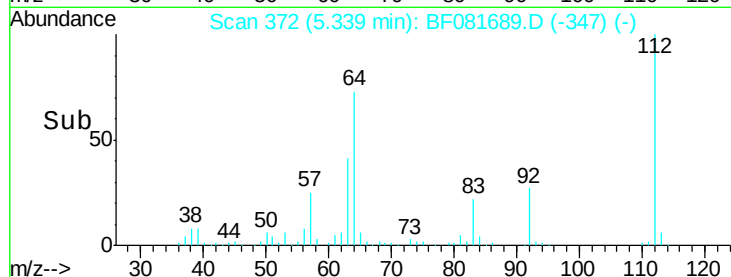
63 41.4 17.4 26.0#



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: 113.48 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

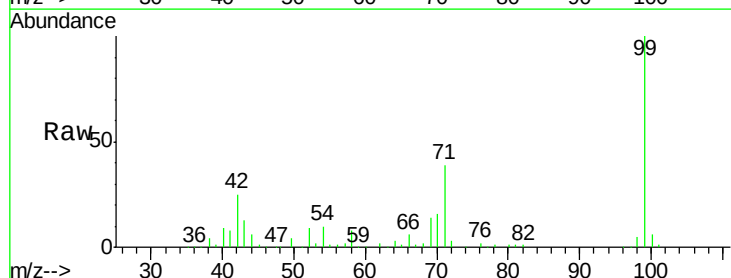
Tgt Ion: 99 Resp: 448446

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

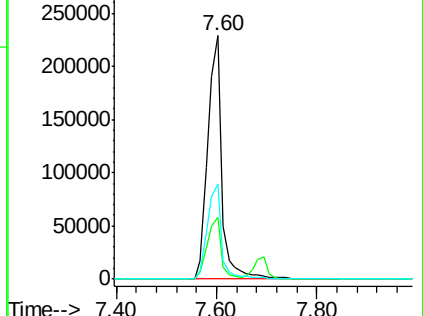
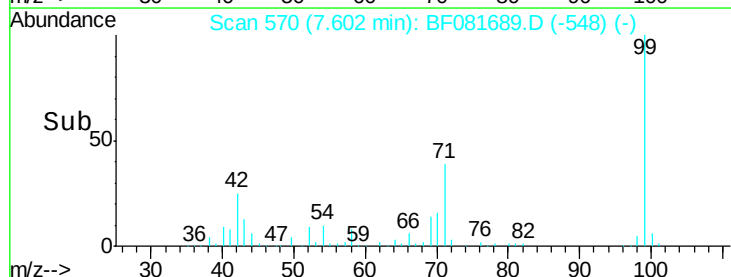
71 39.1 14.2 21.2#

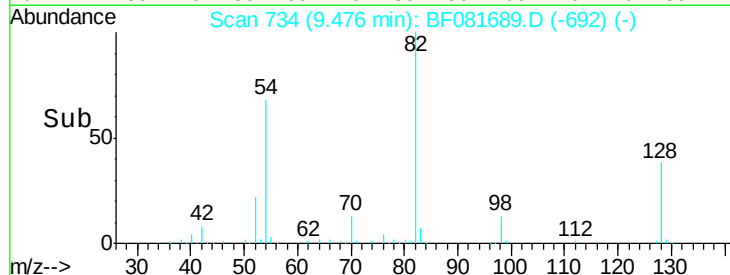
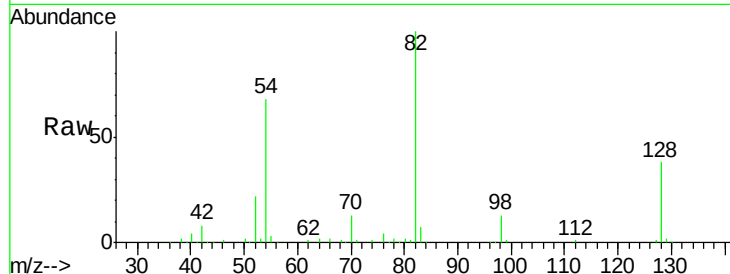
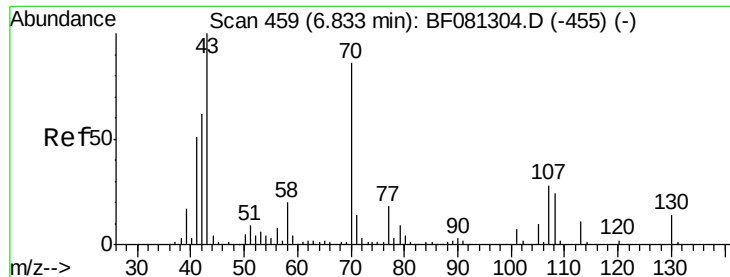


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

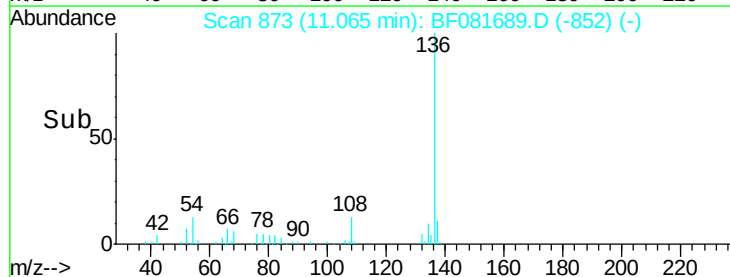
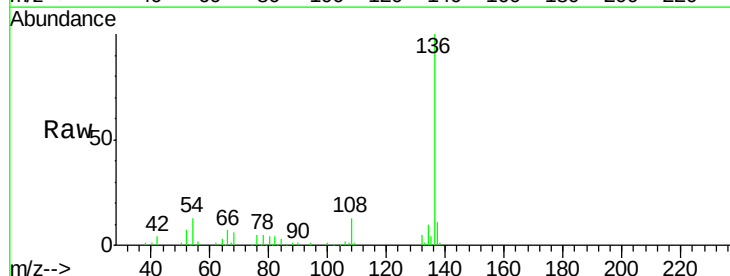
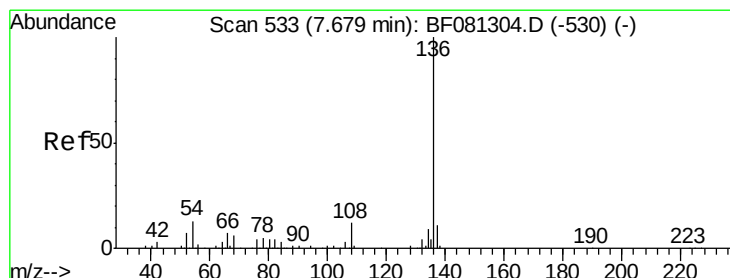
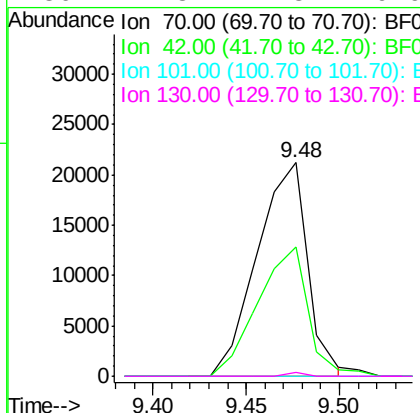




#19
n-Nitroso-di-n-propylamine
Concen: 14.86 ng
RT: 9.48 min Scan# 734
Delta R.T. 0.18 min
Lab File: BF081689.D
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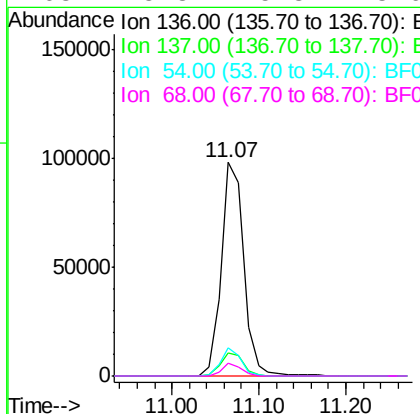
Instrument :
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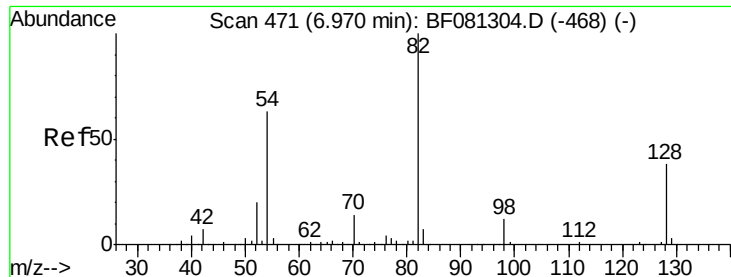
Tgt Ion:	70	Resp:	39964
Ion	Ratio	Lower	Upper
70	100		
42	60.8	63.8	95.6#
101	0.0	9.2	13.8#
130	1.8	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.07 min Scan# 873
Delta R.T. -0.06 min
Lab File: BF081689.D
Acq: 17 Sep 2015 21:20

Tgt Ion:	136	Resp:	178001
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.6
54	12.9	8.2	12.2#
68	5.8	5.8	8.6#

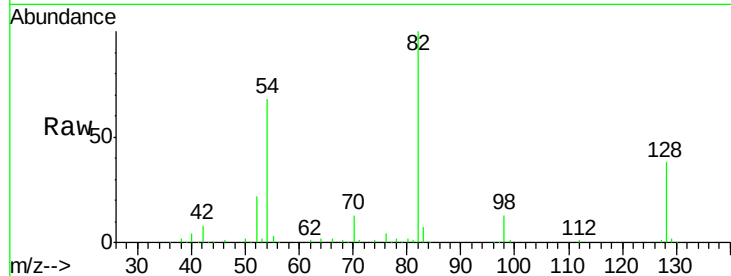




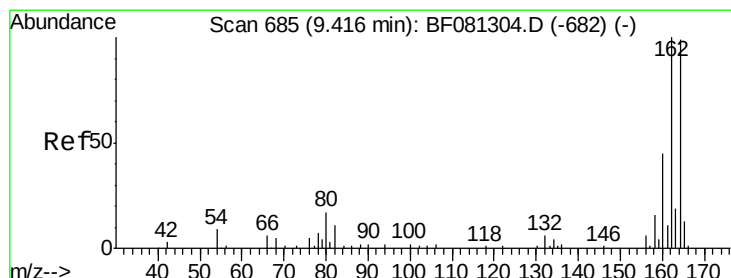
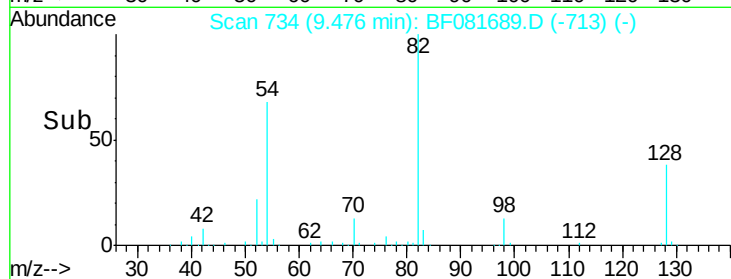
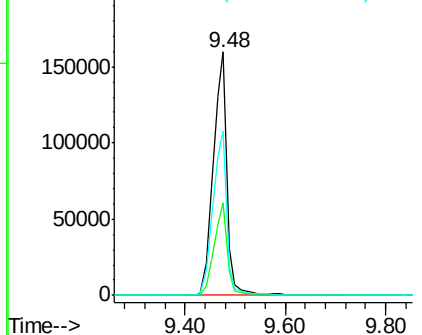
#23
 Nitrobenzene-d5
 Concen: 81.15 ng
 RT: 9.48 min Scan# 734
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

Tgt Ion: 82 Resp: 299384
 Ion Ratio Lower Upper
 82 100
 128 37.8 51.0 76.6#
 54 67.7 47.5 71.3

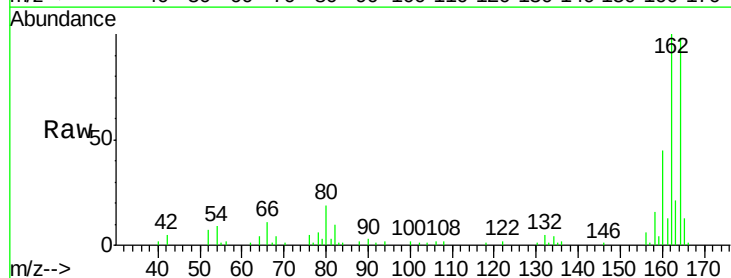


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

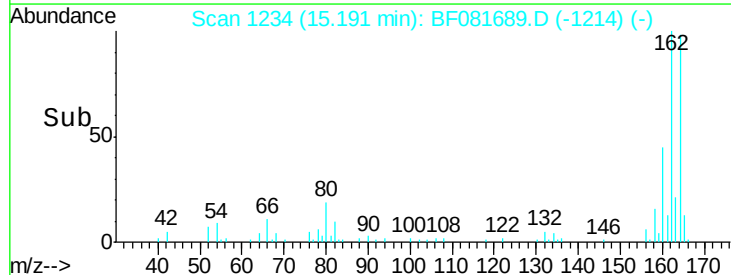
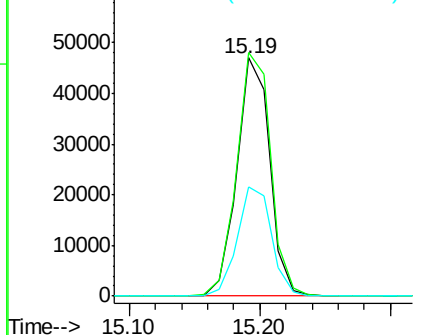


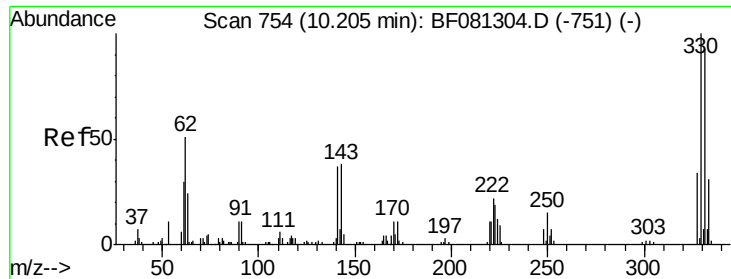
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.19 min Scan# 1234
 Delta R.T. -0.07 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion: 164 Resp: 81779
 Ion Ratio Lower Upper
 164 100
 162 102.3 75.2 112.8
 160 45.8 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

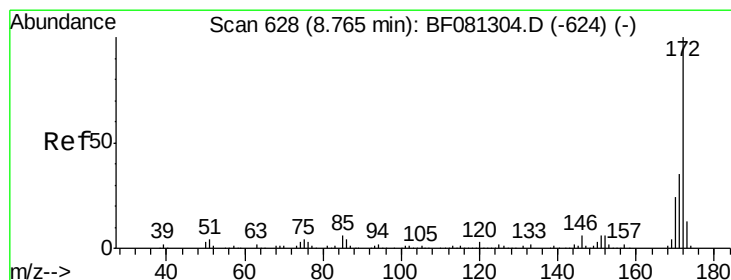
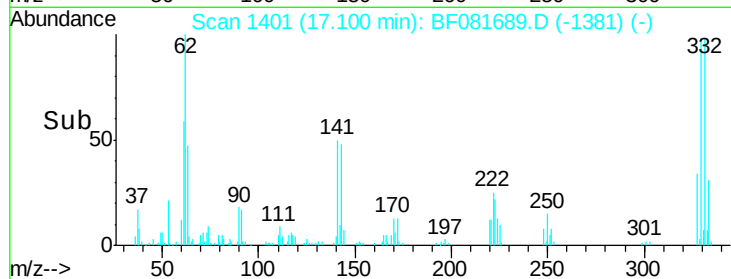
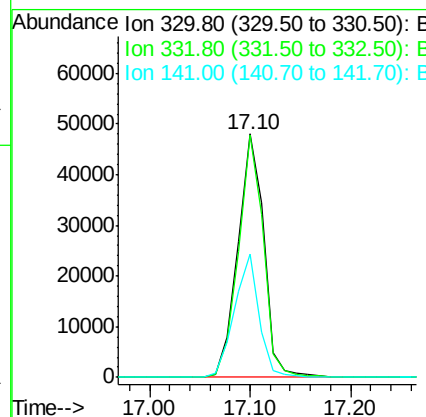
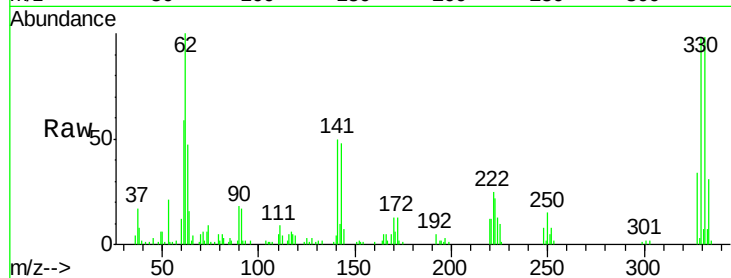




#41
 2,4,6-Tribromophenol
 Concen: 118.25 ng
 RT: 17.10 min Scan# 1401
 Delta R.T. -0.07 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

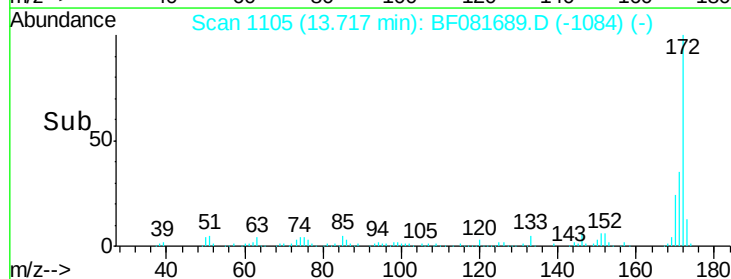
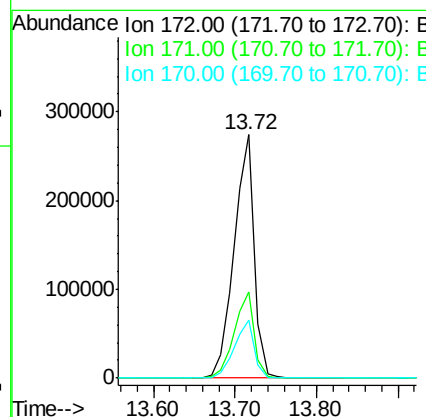
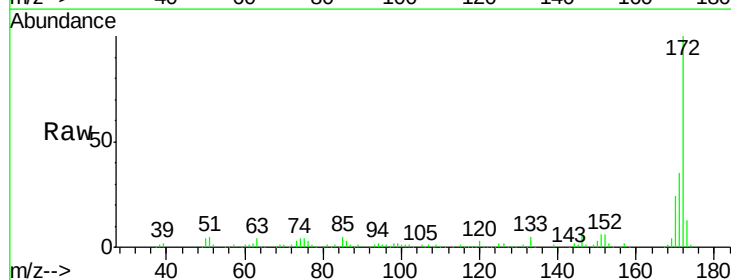
Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

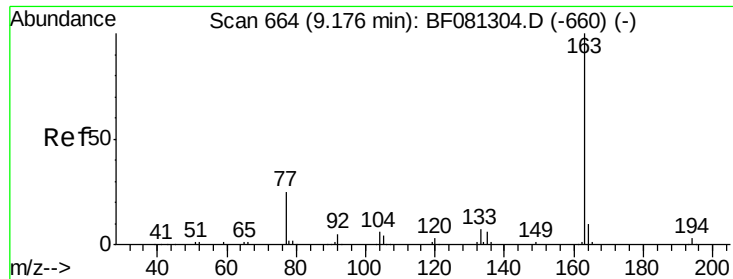
Tgt Ion:330 Resp: 86107
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 114.8
 141 48.2 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 73.62 ng
 RT: 13.72 min Scan# 1105
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion:172 Resp: 469801
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 24.1 17.4 26.2





#49

Dimethylphthalate

Concen: 16.54 ng

RT: 14.77 min Scan# 1197

Delta R.T. -0.09 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

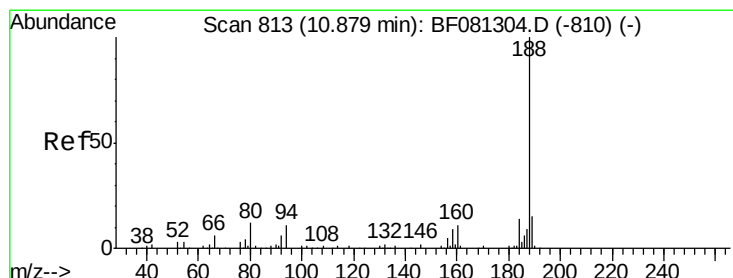
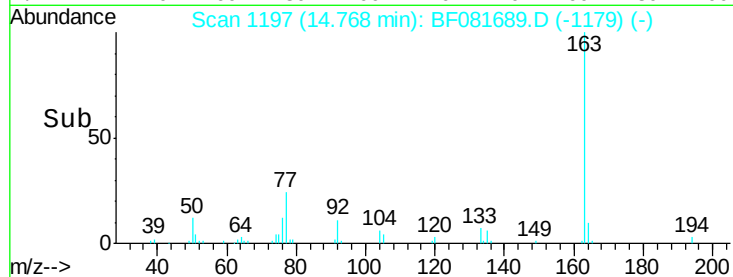
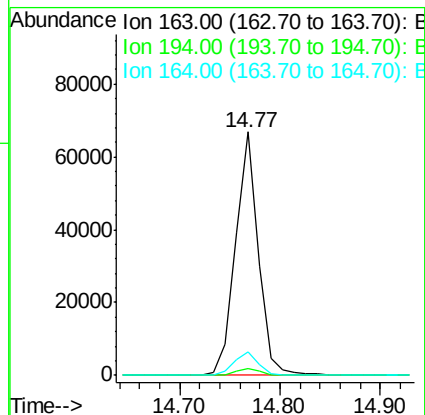
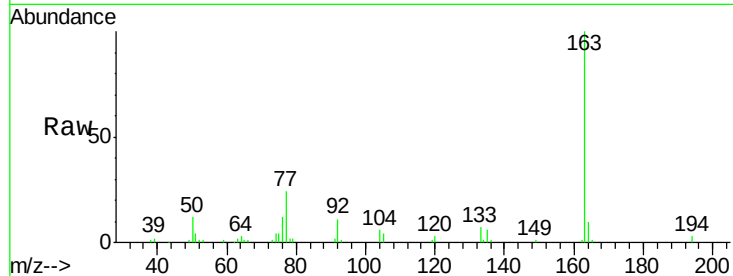
Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

Tgt Ion:	163	Resp:	105110
Ion	Ratio	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	9.8	8.3	12.5



#63

Phenanthrene-d10

Concen: 20.00 ng

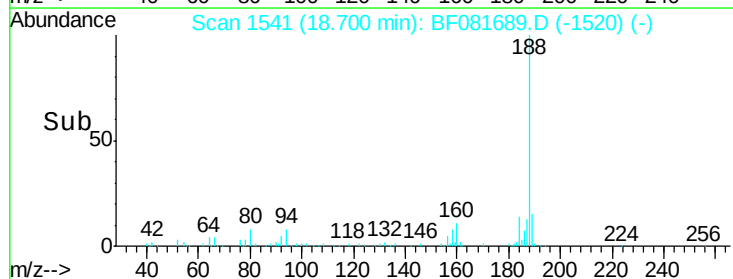
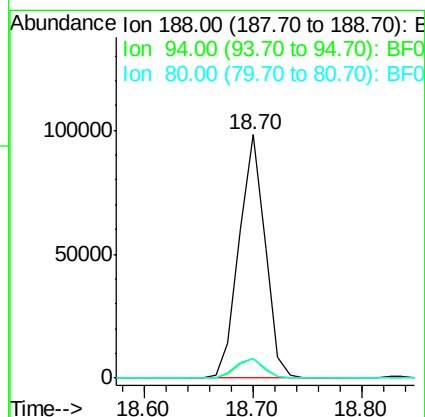
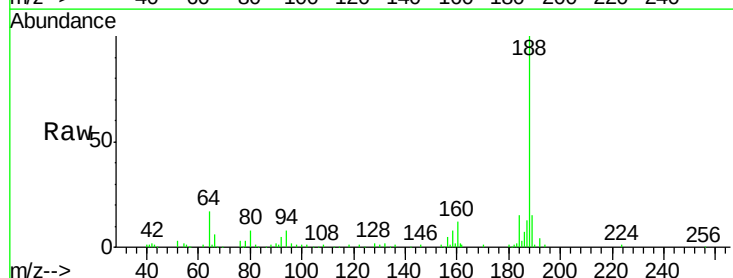
RT: 18.70 min Scan# 1541

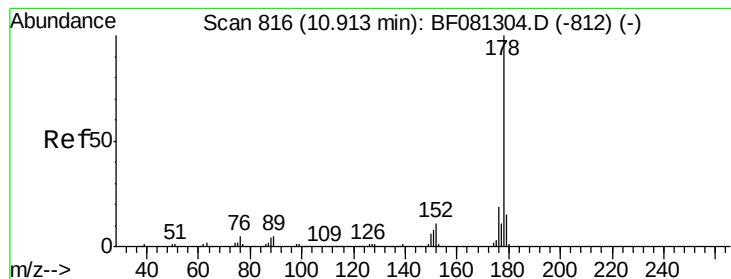
Delta R.T. -0.06 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Tgt Ion:	188	Resp:	162226
Ion	Ratio	Lower	Upper
188	100		
94	7.8	11.1	16.7#
80	8.2	11.0	16.4#





#70

Phenanthrene

Concen: 4.12 ng

RT: 18.76 min Scan# 1546

Delta R.T. -0.07 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

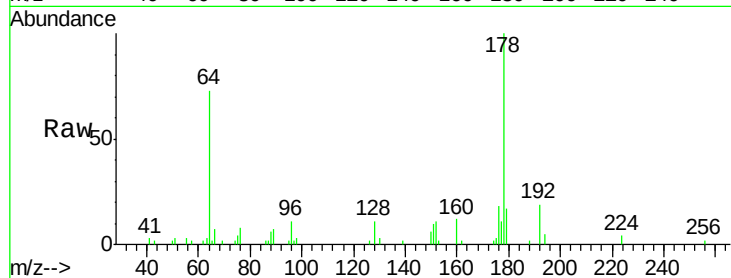
Tgt Ion:178 Resp: 37131

Ion Ratio Lower Upper

178 100

176 18.2 13.8 20.8

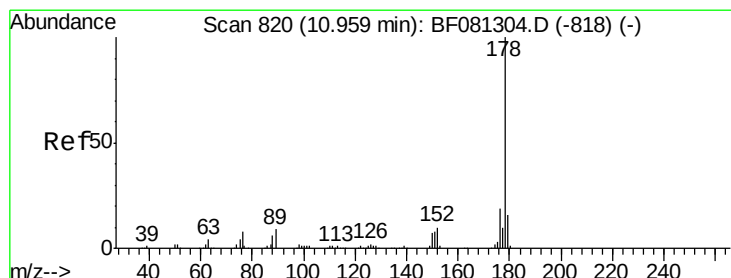
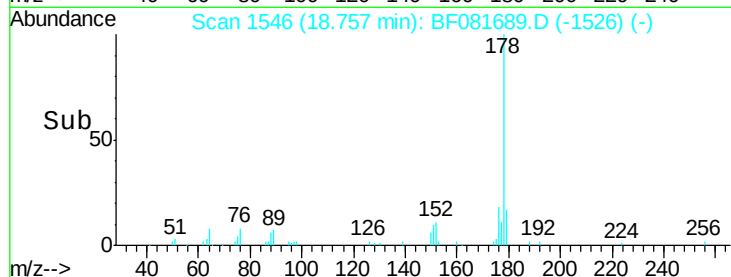
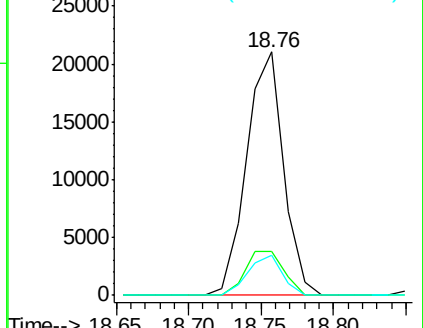
179 16.6 12.2 18.2



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: 4.01 ng

RT: 18.76 min Scan# 1546

Delta R.T. -0.19 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

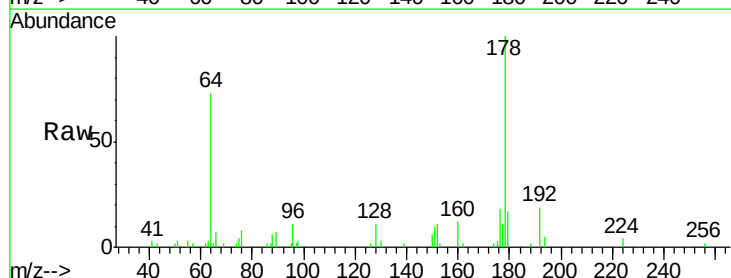
Tgt Ion:178 Resp: 37131

Ion Ratio Lower Upper

178 100

176 18.2 14.1 21.1

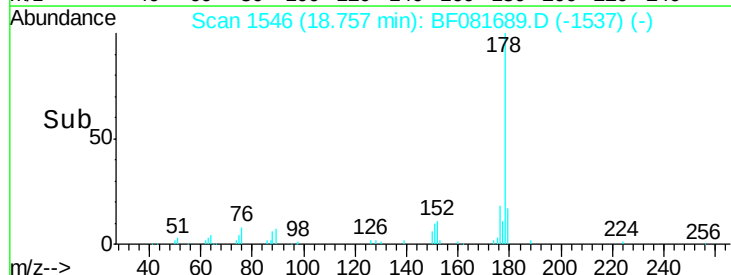
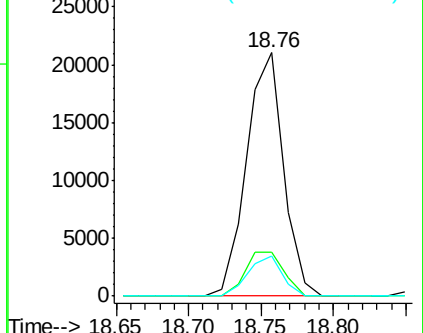
179 16.6 12.2 18.2

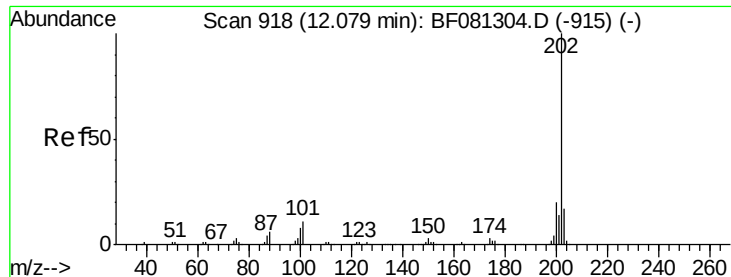


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.95 ng

RT: 21.39 min Scan# 1776

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

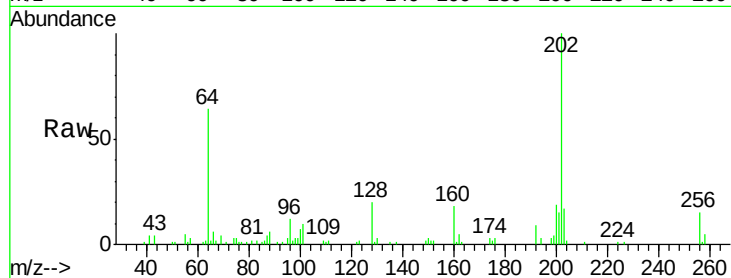
Tgt Ion:202 Resp: 48291

Ion Ratio Lower Upper

202 100

101 10.1 0.0 38.3

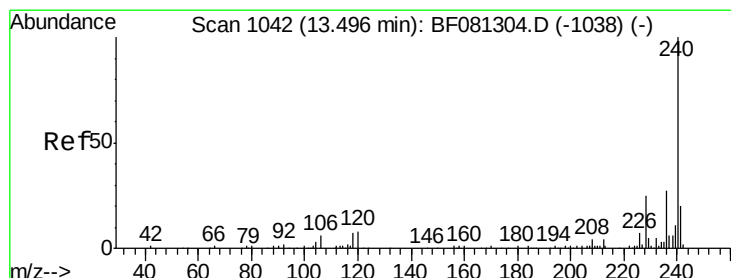
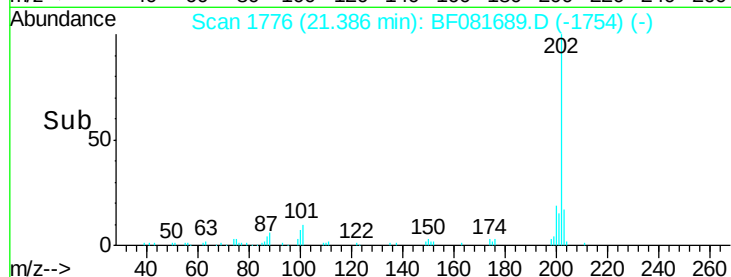
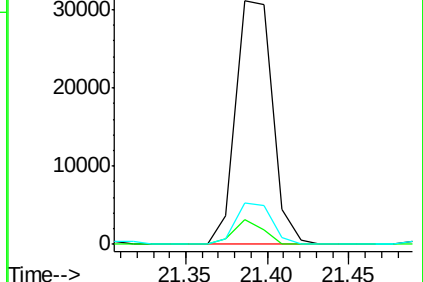
203 16.9 0.0 37.3



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: BF081689.D

Acq: 17 Sep 2015 21:20

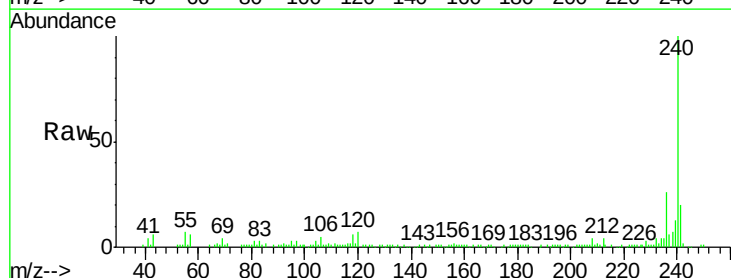
Tgt Ion:240 Resp: 94635

Ion Ratio Lower Upper

240 100

120 6.6 16.2 24.2#

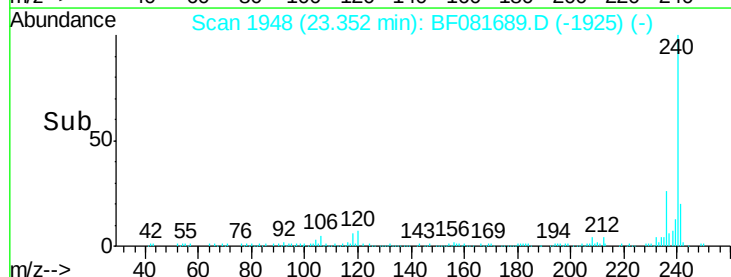
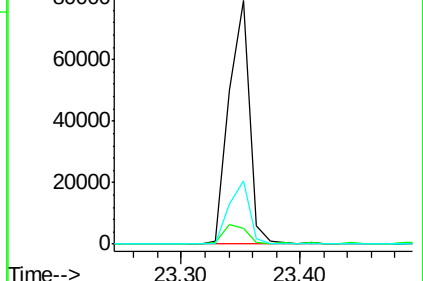
236 26.0 18.4 27.6

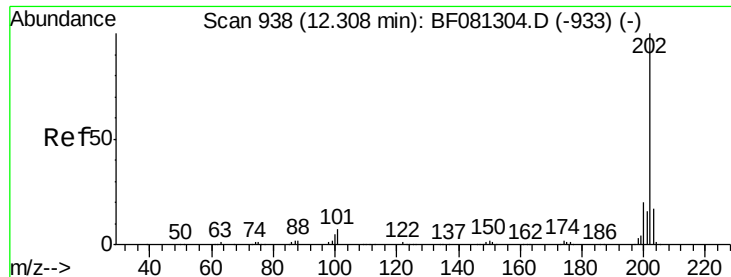


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

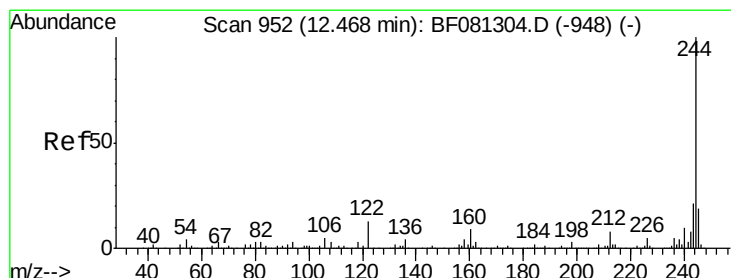
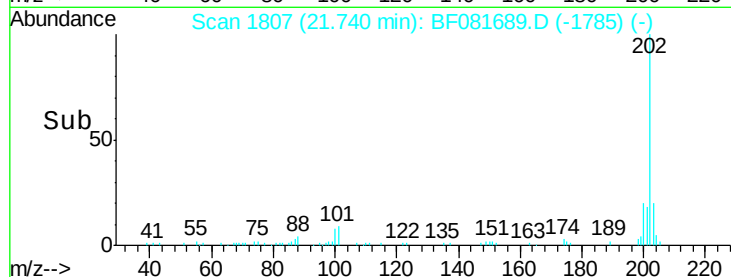
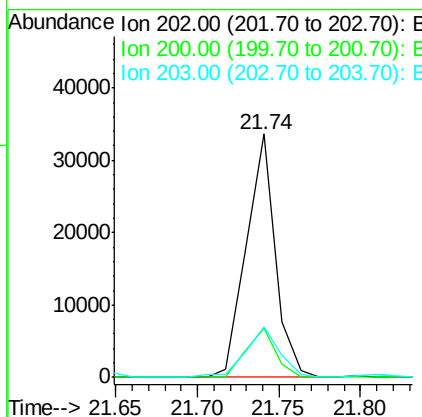
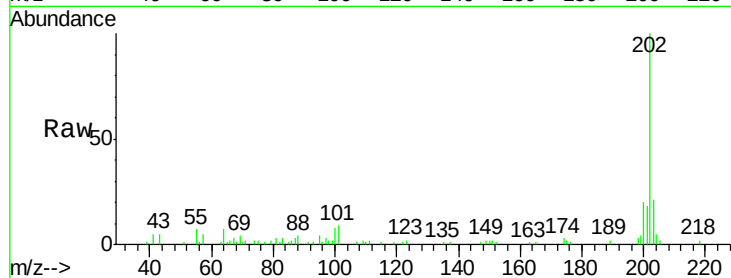




#77
 Pyrene
 Concen: 5.92 ng
 RT: 21.74 min Scan# 1807
 Delta R.T. -0.04 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

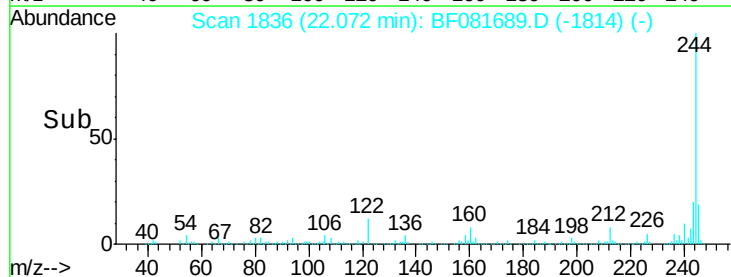
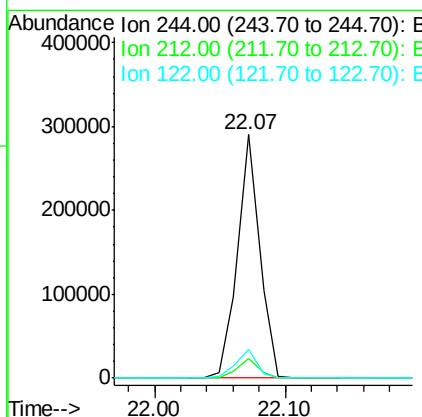
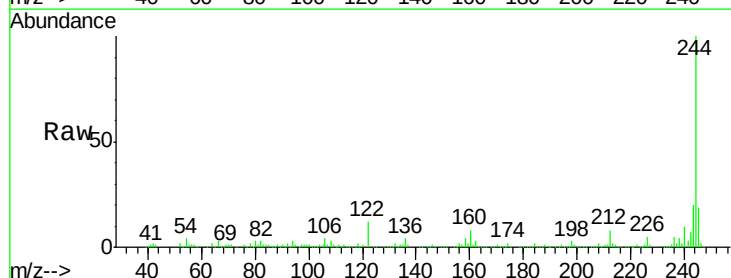
Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

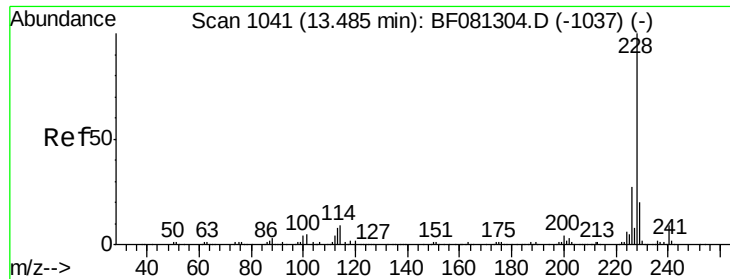
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.0	22.4
203	20.8	14.1	21.1



#78
 Terphenyl-d14
 Concen: 84.45 ng
 RT: 22.07 min Scan# 1836
 Delta R.T. -0.04 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	4.3	6.5#
122	11.8	17.4	26.2#





#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

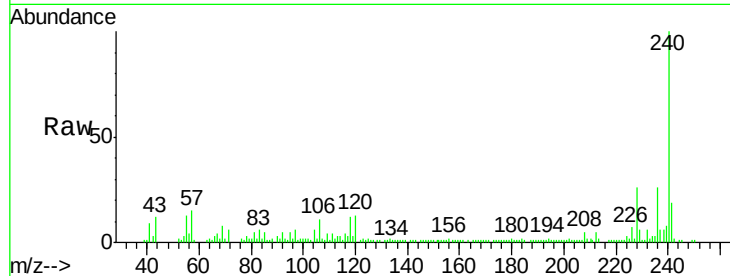
Tgt Ion:228 Resp: 14185

Ion Ratio Lower Upper

228 100

226 27.0 20.0 30.0

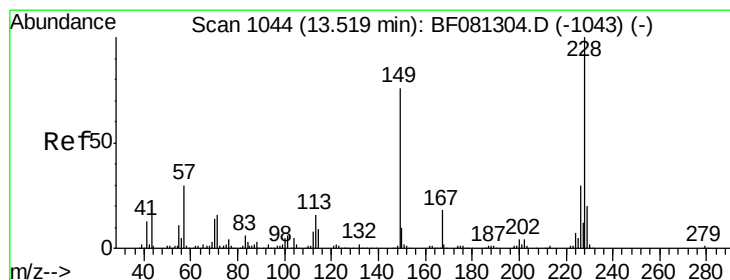
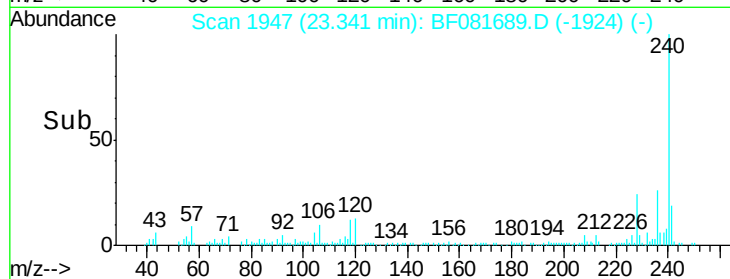
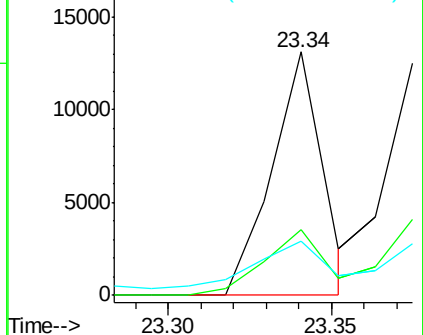
229 22.4 15.4 23.2



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: 2.63 ng

RT: 23.34 min Scan# 1947

Delta R.T. -0.08 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

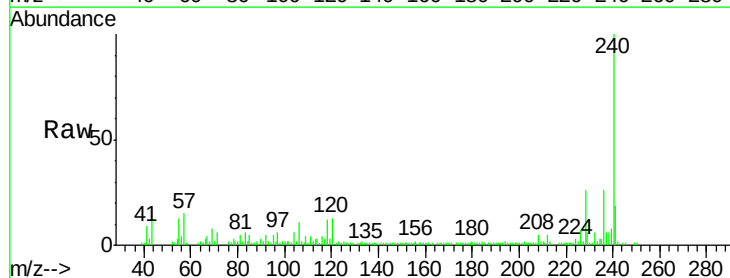
Tgt Ion:228 Resp: 14185

Ion Ratio Lower Upper

228 100

226 27.0 21.0 31.4

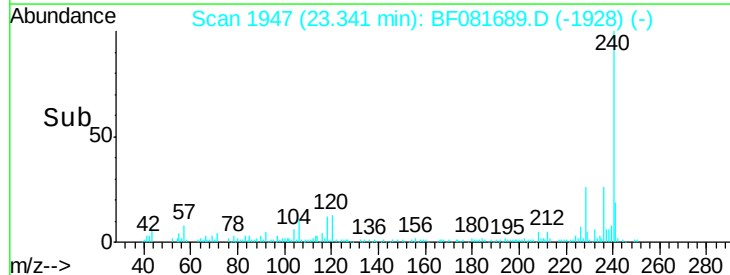
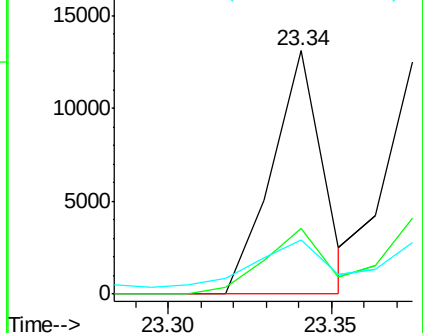
229 22.4 15.6 23.4

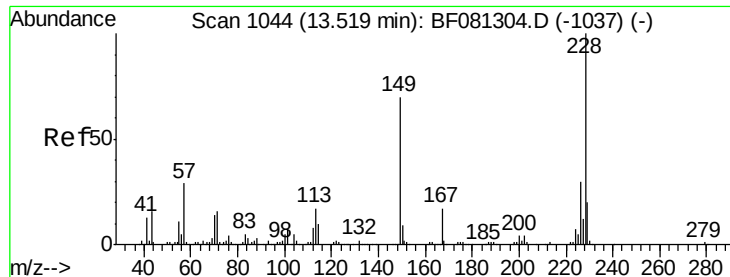


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

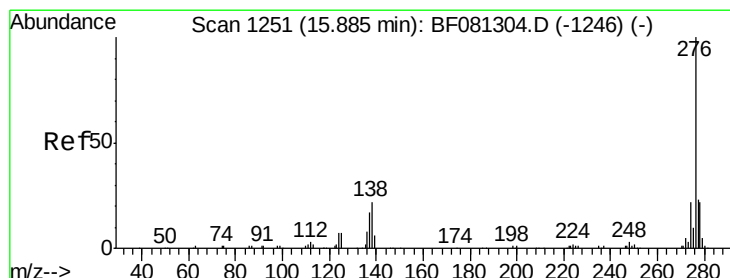
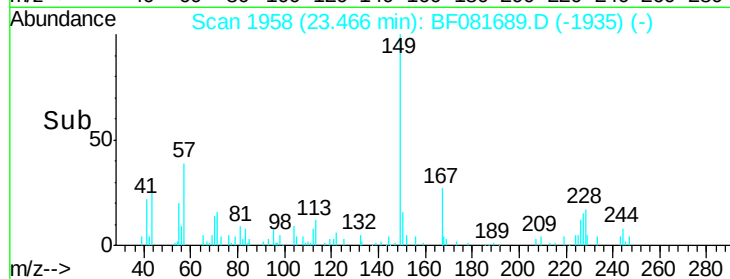
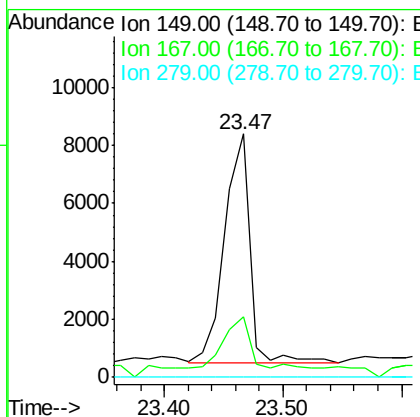
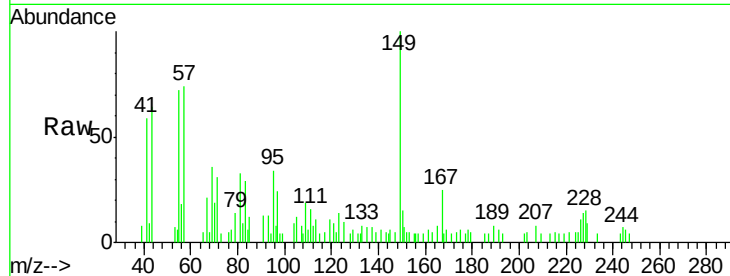




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.90 ng
 RT: 23.47 min Scan# 1958
 Delta R.T. -0.03 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

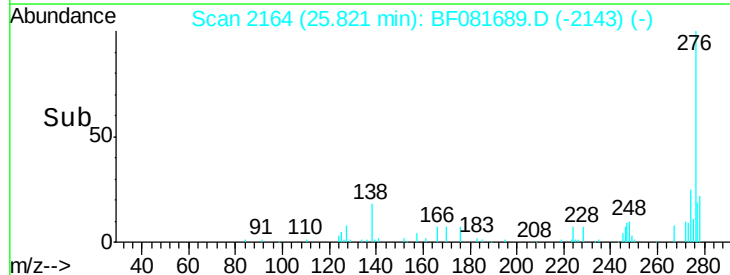
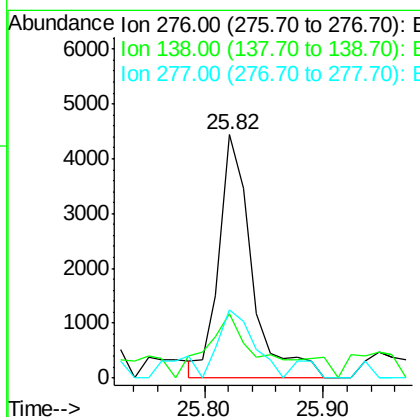
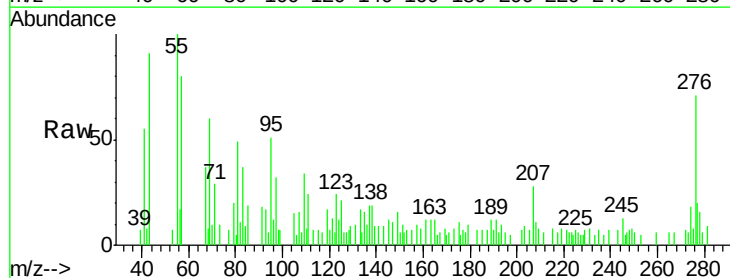
Instrument :
 BNA_F
 ClientSampleId :
 GP-1(0-5)

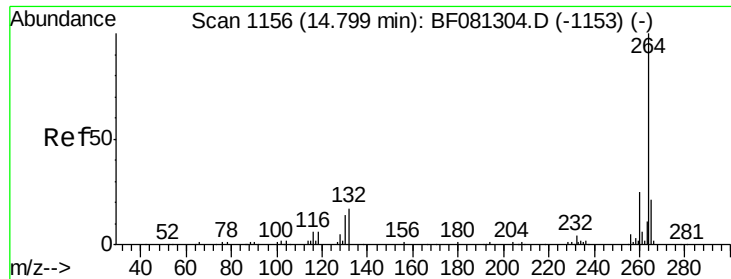
Tgt Ion:149 Resp: 11651
 Ion Ratio Lower Upper
 149 100
 167 24.9 24.2 36.2
 279 0.0 3.8 5.6#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.14 ng
 RT: 25.82 min Scan# 2164
 Delta R.T. -0.06 min
 Lab File: BF081689.D
 Acq: 17 Sep 2015 21:20

Tgt Ion:276 Resp: 8499
 Ion Ratio Lower Upper
 276 100
 138 45.9 25.7 38.5#
 277 29.5 15.6 23.4#

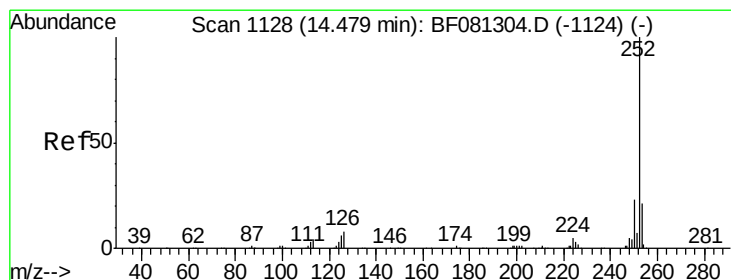
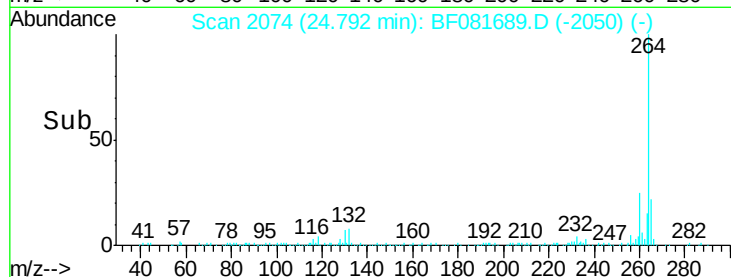
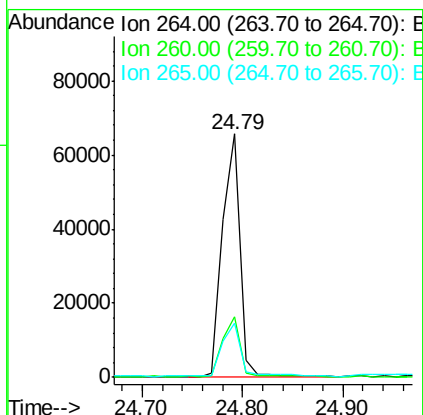
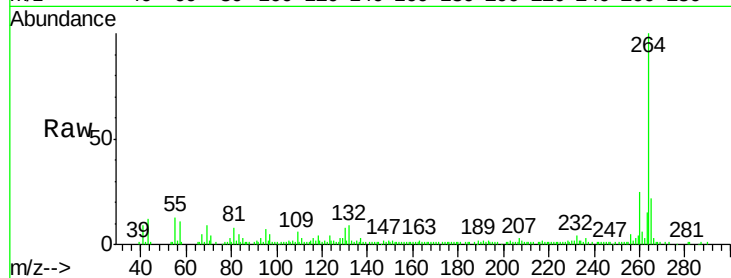




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081689.D
Acq: 17 Sep 2015 21:20

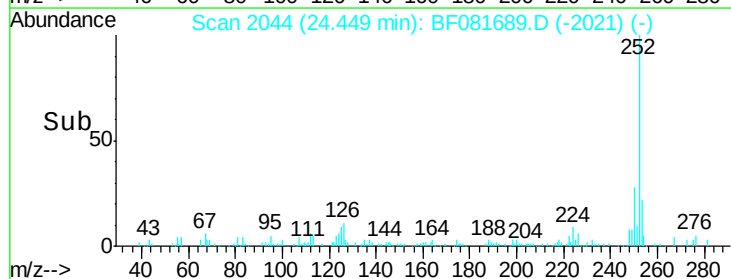
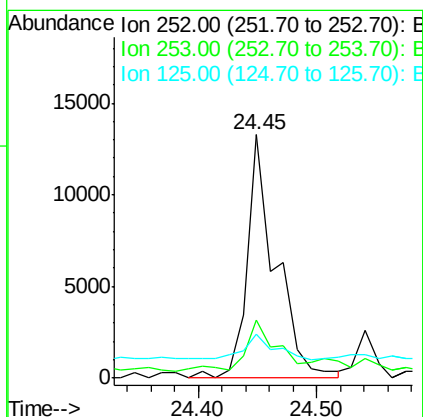
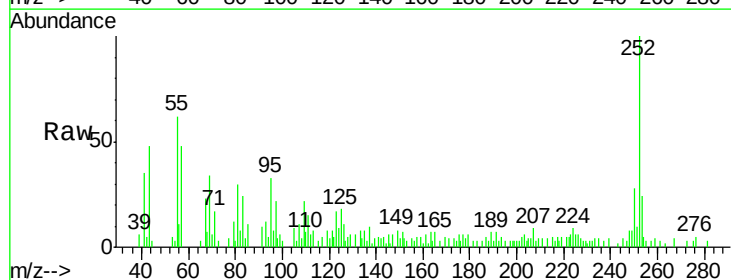
Instrument :
BNA_F
ClientSampleId :
GP-1(0-5)

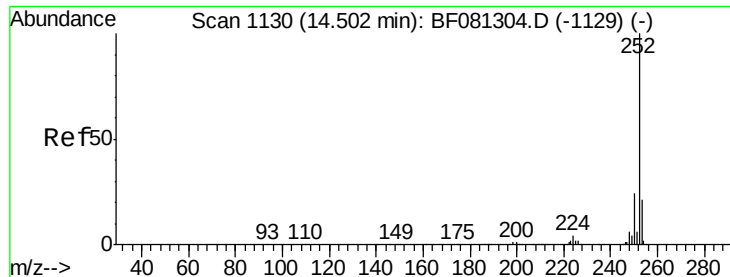
Tgt Ion:264 Resp: 80758
Ion Ratio Lower Upper
264 100
260 24.6 16.7 25.1
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.85 ng
RT: 24.45 min Scan# 2044
Delta R.T. -0.03 min
Lab File: BF081689.D
Acq: 17 Sep 2015 21:20

Tgt Ion:252 Resp: 22193
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 18.1 17.1 25.7





#88

Benzo(k)fluoranthene

Concen: 4.64 ng

RT: 24.45 min Scan# 2044

Delta R.T. -0.06 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

Instrument :

BNA_F

ClientSampleId :

GP-1(0-5)

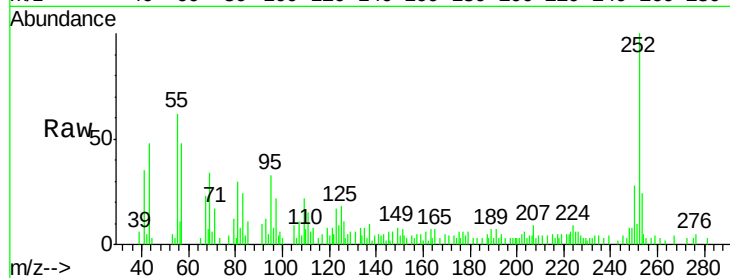
Tgt Ion:252 Resp: 22193

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

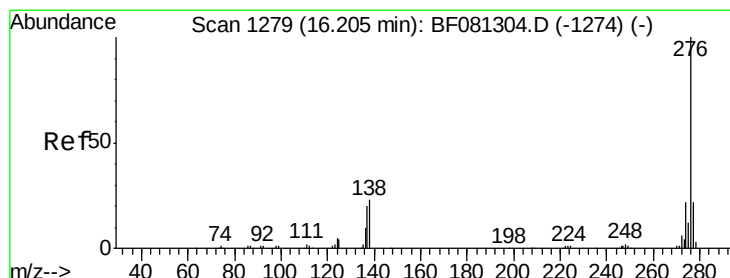
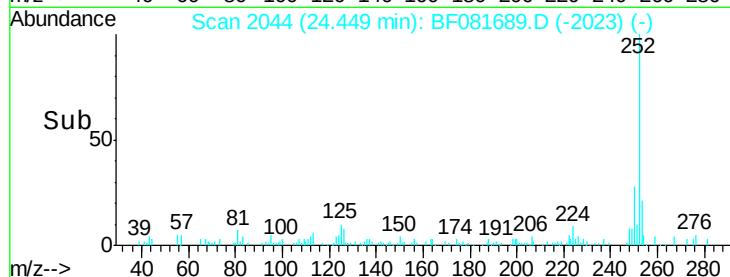
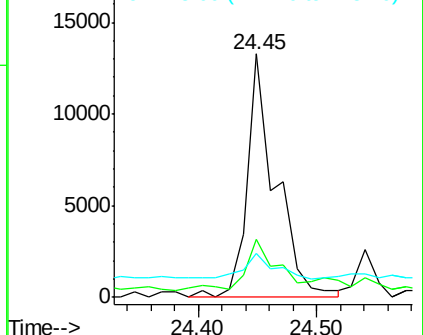
125 18.1 16.0 24.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 26.13 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF081689.D

Acq: 17 Sep 2015 21:20

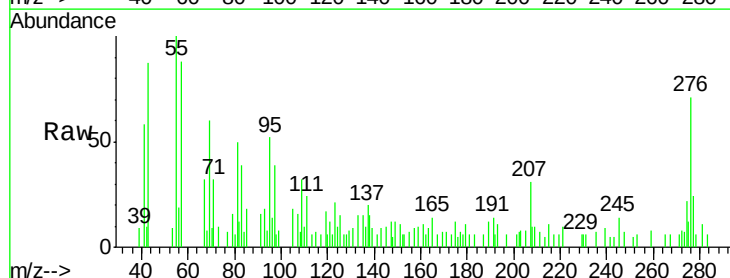
Tgt Ion:276 Resp: 7843

Ion Ratio Lower Upper

276 100

277 33.3 17.8 26.6#

138 20.6 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

