

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081628.D
 Acq On : 15 Sep 2015 14:12
 Operator : UM/IZ
 Sample : G3597-07RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

Quant Time: Sep 15 14:44:07 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

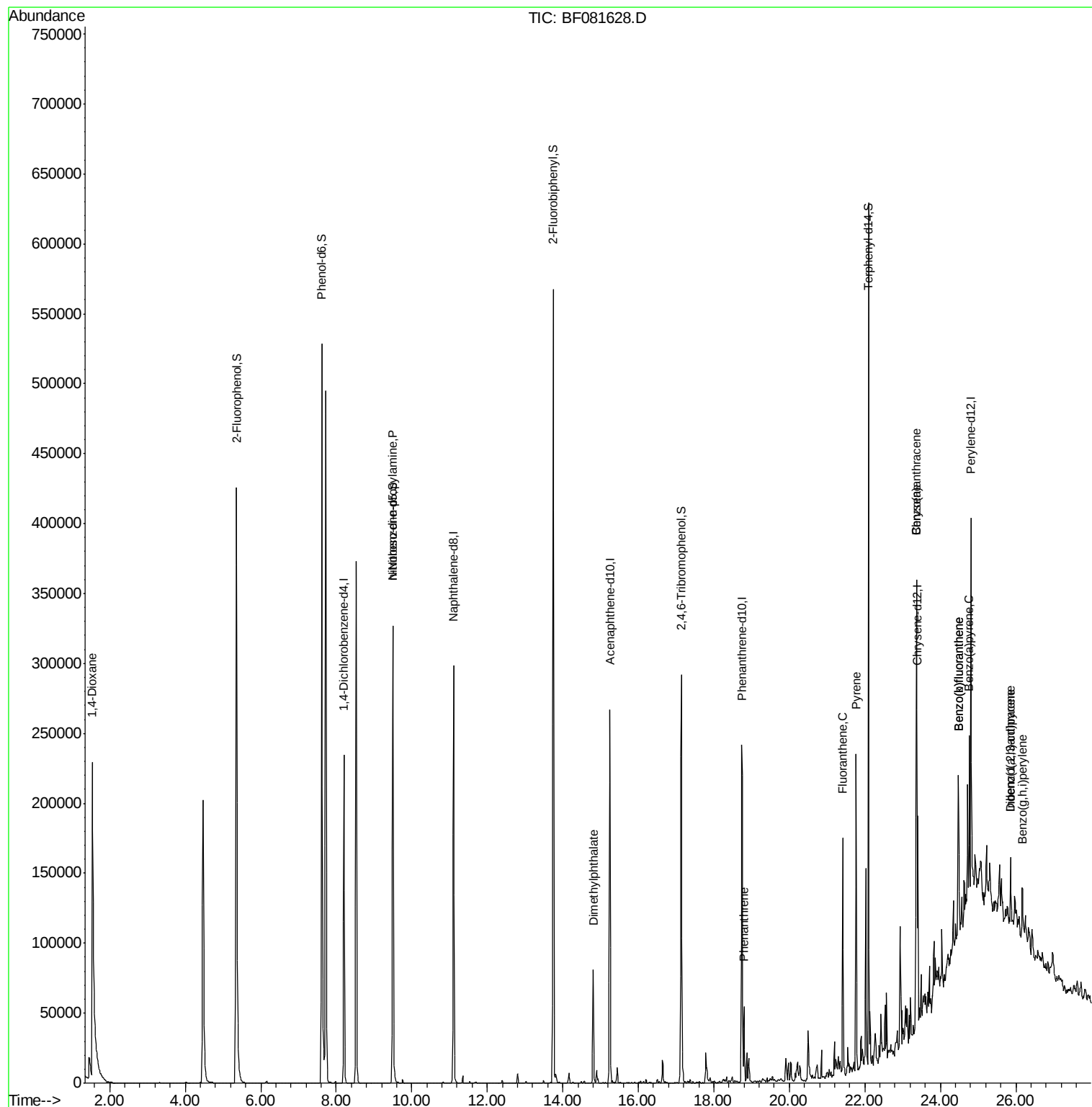
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	55210	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	220126	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	99609	20.00	ng	-0.01
63) Phenanthrene-d10	18.74	188	178710	20.00	ng	-0.01
75) Chrysene-d12	23.38	240	106417	20.00	ng	0.00
86) Perylene-d12	24.81	264	97166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	213512	60.00	ng	0.01
7) Phenol-d6	7.62	99	298140	63.30	ng	-0.02
23) Nitrobenzene-d5	9.50	82	195844	42.92	ng	-0.03
41) 2,4,6-Tribromophenol	17.14	330	49475	55.78	ng	-0.02
44) 2-Fluorobiphenyl	13.75	172	317409	40.84	ng	-0.02
78) Terphenyl-d14	22.10	244	213326	46.66	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.54	88	12199	7.63	ng	# 11
19) n-Nitroso-di-n-propylamine	9.50	70	26186	8.17	ng	# 66
49) Dimethylphthalate	14.81	163	62754	8.11	ng	# 97
70) Phenanthrene	18.80	178	37406	3.76	ng	96
74) Fluoranthene	21.42	202	97962	9.11	ng	89
77) Pyrene	21.77	202	122469	15.54	ng	98
80) Benzo(a)anthracene	23.37	228	55426	8.18	ng	95
82) Chrysene	23.37	228	55426	9.12	ng	96
85) Indeno(1,2,3-cd)pyrene	25.86	276	26284	5.90	ng	# 77
87) Benzo(b)fluoranthene	24.48	252	78237	11.28	ng	# 88
88) Benzo(k)fluoranthene	24.48	252	79526	13.82	ng	# 89
89) Benzo(a)pyrene	24.77	252	47340	8.05	ng	# 86
90) Dibenzo(a,h)anthracene	25.86	278	9741	2.14	ng	# 87
91) Benzo(g,h,i)perylene	26.17	276	25823	5.96	ng	# 73

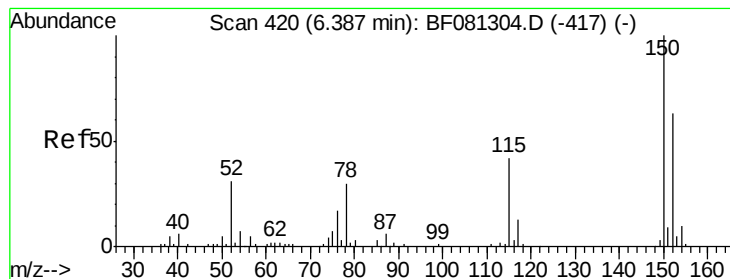
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 601

Delta R.T. -0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

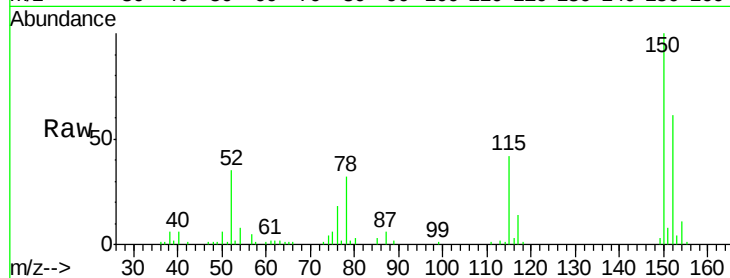
Tgt Ion:152 Resp: 55210

Ion Ratio Lower Upper

152 100

150 164.2 124.7 187.1

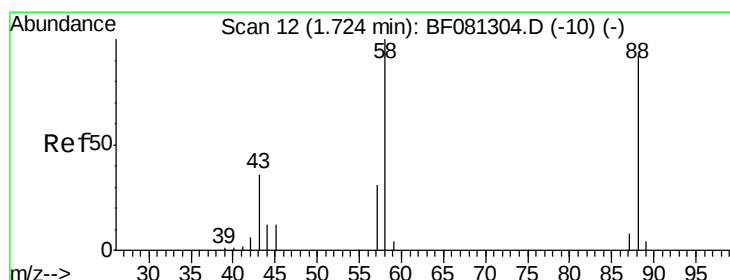
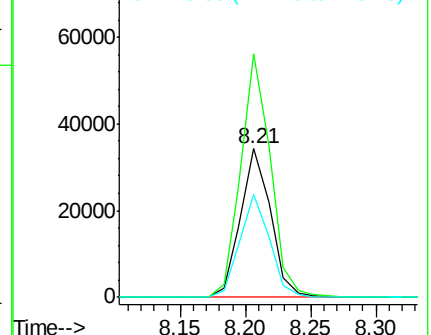
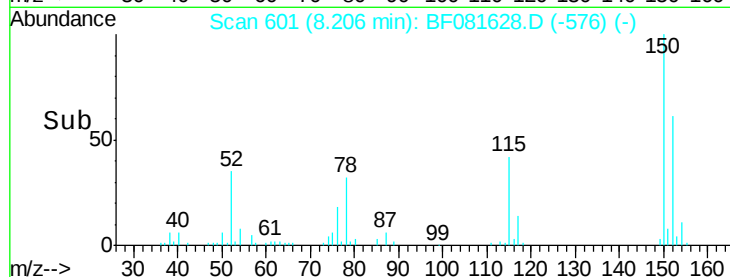
115 69.5 39.0 58.4#



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



#2

1,4-Dioxane

Concen: 7.63 ng

RT: 1.54 min Scan# 18

Delta R.T. -0.02 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

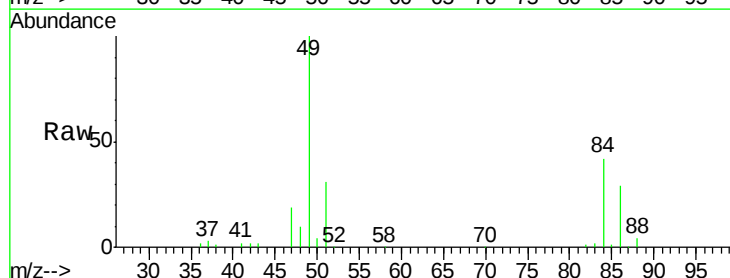
Tgt Ion: 88 Resp: 12199

Ion Ratio Lower Upper

88 100

58 0.0 77.7 116.5#

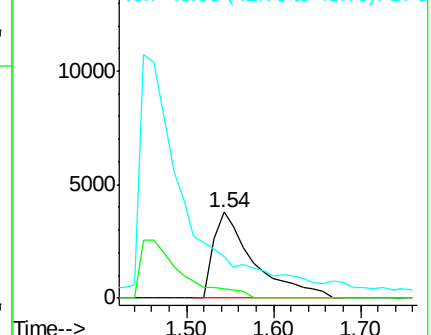
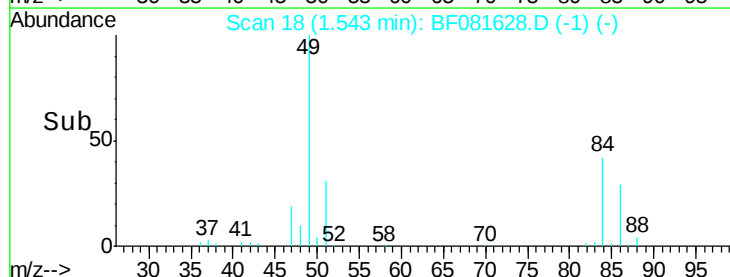
43 0.0 26.6 40.0#

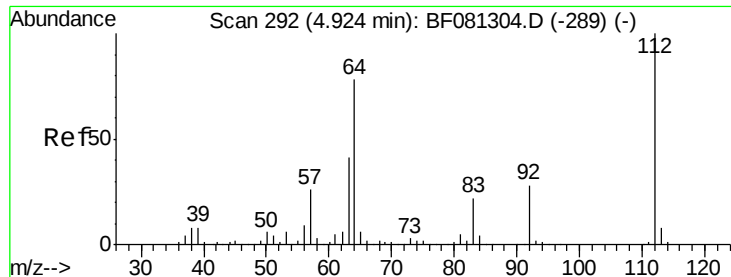


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 60.00 ng

RT: 5.36 min Scan# 352

Delta R.T. 0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

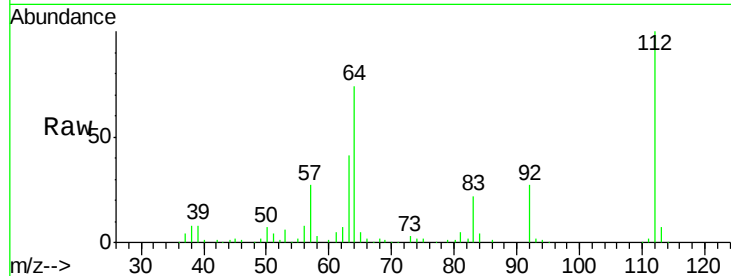
Instrument :

BNA_F

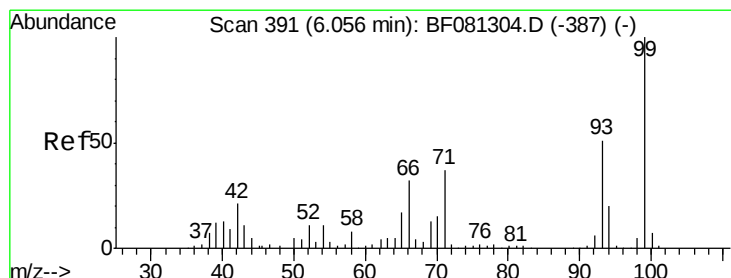
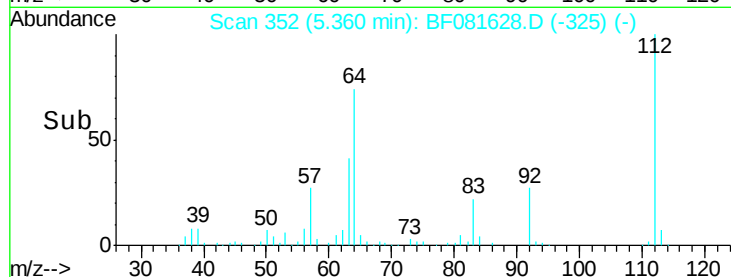
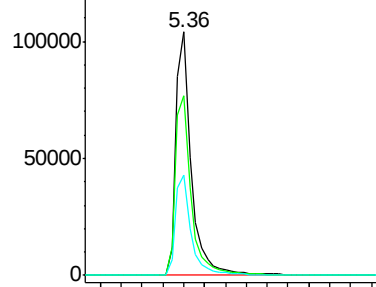
ClientSampleId :

GP-7(0-5)

Tgt Ion:	112	Resp:	213512
Ion	Ratio	Lower	Upper
112	100		
64	73.8	39.7	59.5#
63	41.3	17.4	26.0#



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 63.30 ng

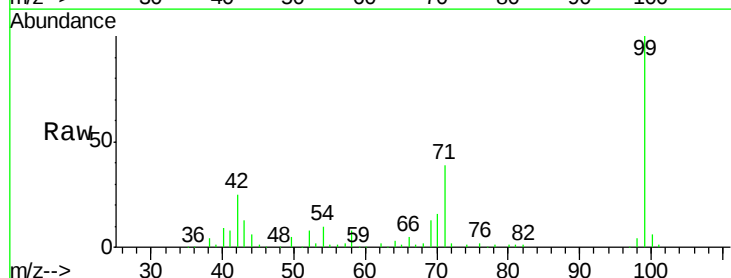
RT: 7.62 min Scan# 550

Delta R.T. -0.02 min

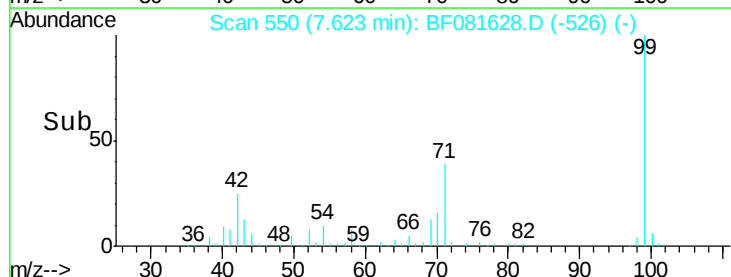
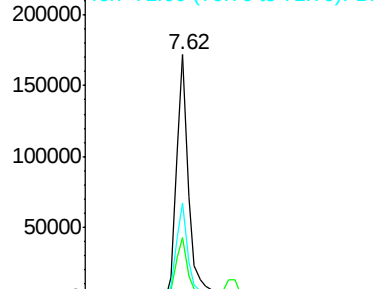
Lab File: BF081628.D

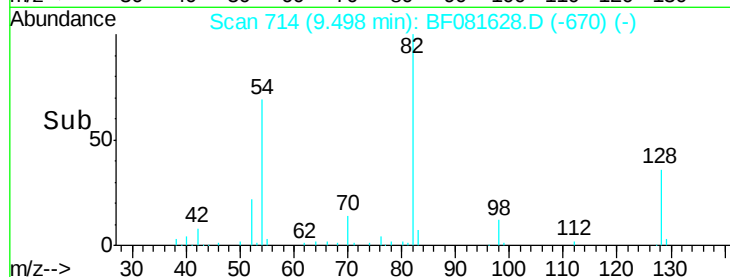
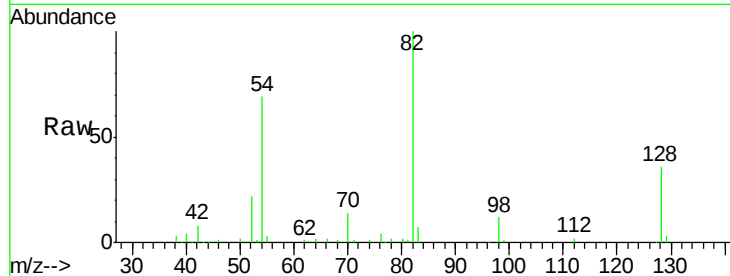
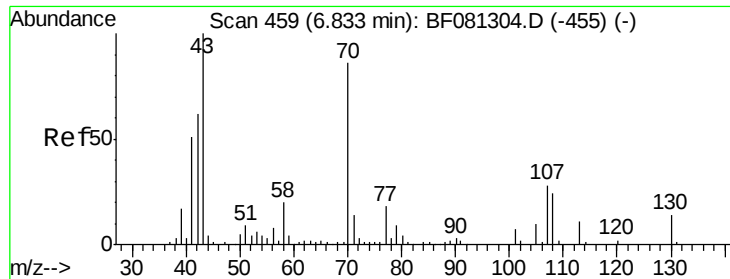
Acq: 15 Sep 2015 14:12

Tgt Ion:	99	Resp:	298140
Ion	Ratio	Lower	Upper
99	100		
42	25.0	13.7	20.5#
71	38.9	14.2	21.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

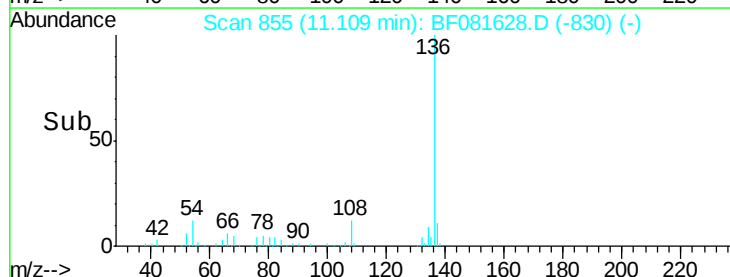
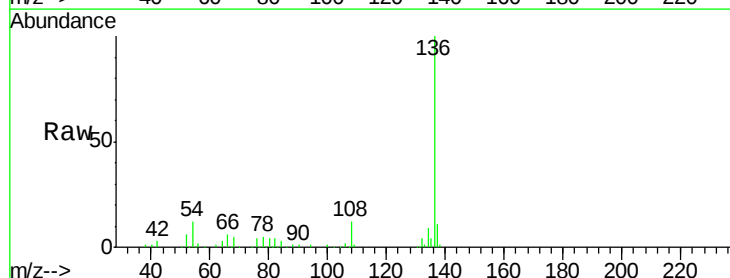
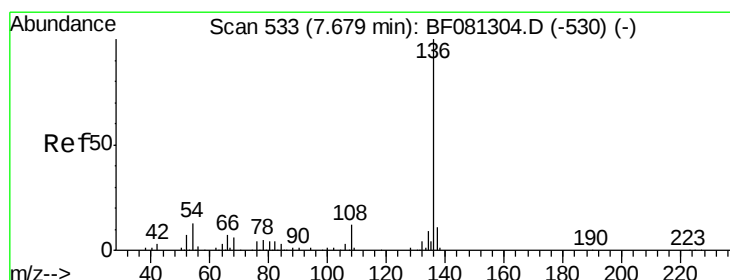
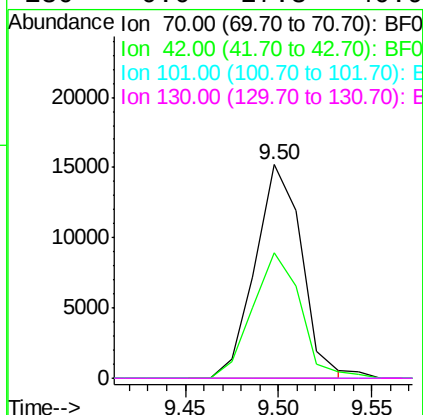




#19
n-Nitroso-di-n-propylamine
Concen: 8.17 ng
RT: 9.50 min Scan# 714
Delta R.T. 0.21 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

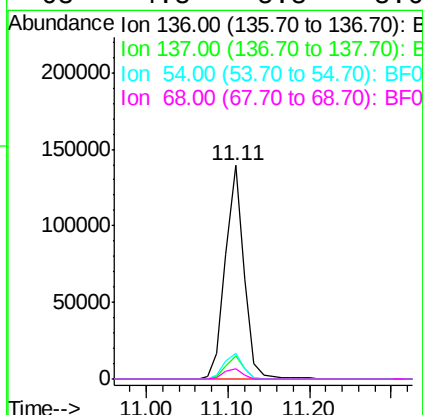
Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

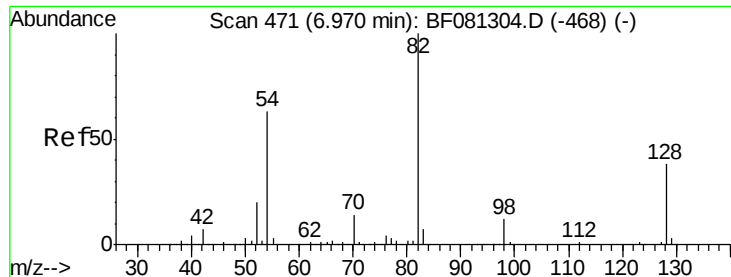
Tgt Ion:	70	Resp:	26186
Ion	Ratio	Lower	Upper
70	100		
42	58.9	63.8	95.6#
101	0.0	9.2	13.8#
130	0.0	27.3	40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:	136	Resp:	220126
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	11.8	8.2	12.2
68	4.8	5.8	8.6#

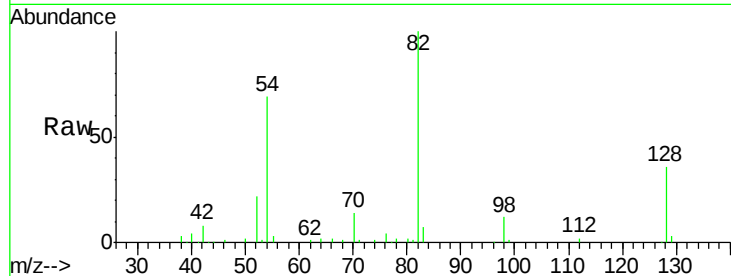




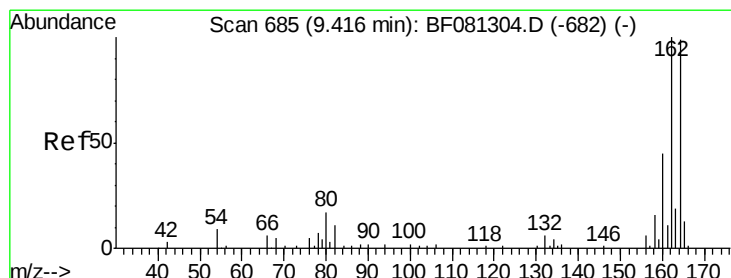
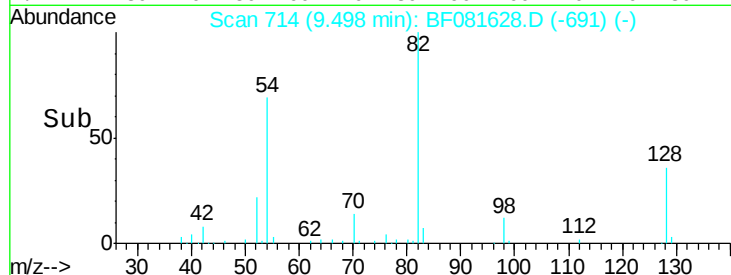
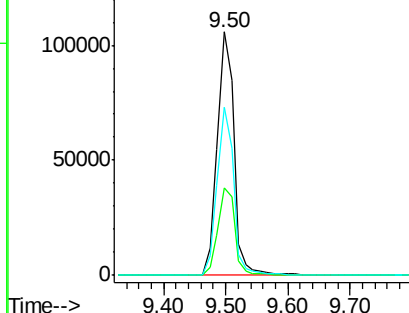
#23
 Nitrobenzene-d5
 Concen: 42.92 ng
 RT: 9.50 min Scan# 714
 Delta R.T. -0.03 min
 Lab File: BF081628.D
 Acq: 15 Sep 2015 14:12

Instrument :
 BNA_F
 ClientSampled :
 GP-7(0-5)

Tgt Ion: 82 Resp: 195844
 Ion Ratio Lower Upper
 82 100
 128 36.0 51.0 76.6#
 54 69.3 47.5 71.3

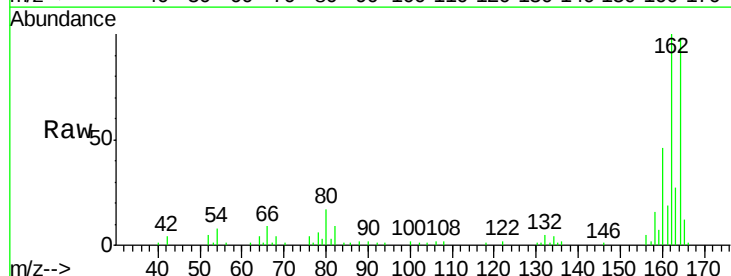


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

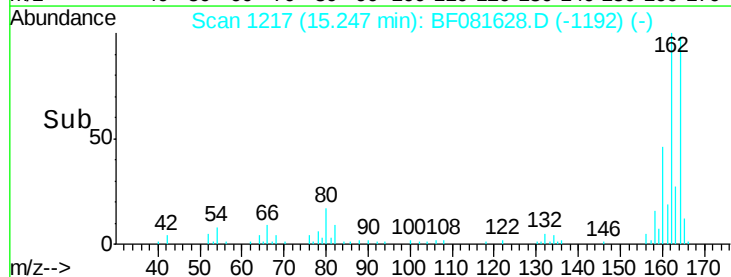
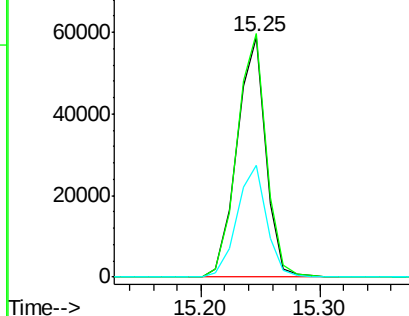


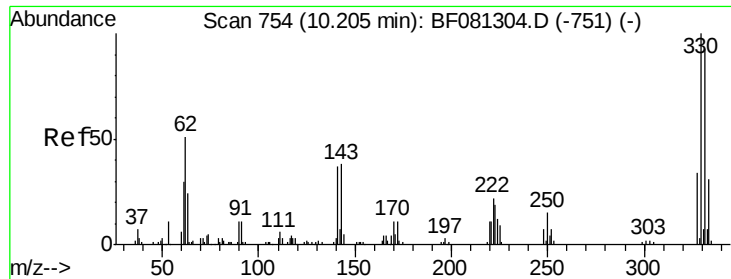
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 15.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF081628.D
 Acq: 15 Sep 2015 14:12

Tgt Ion: 164 Resp: 99609
 Ion Ratio Lower Upper
 164 100
 162 101.5 75.2 112.8
 160 46.5 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

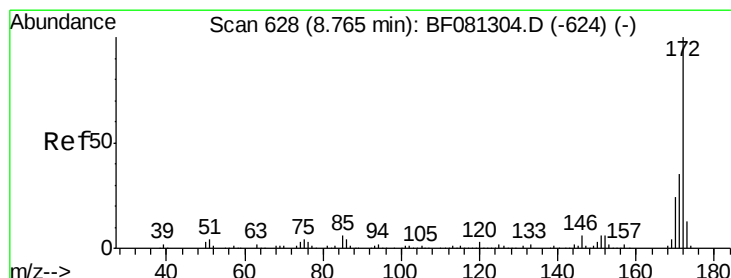
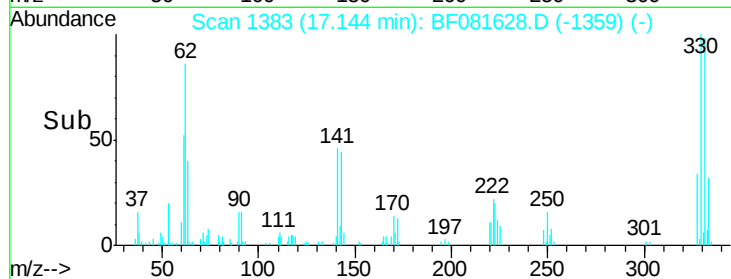
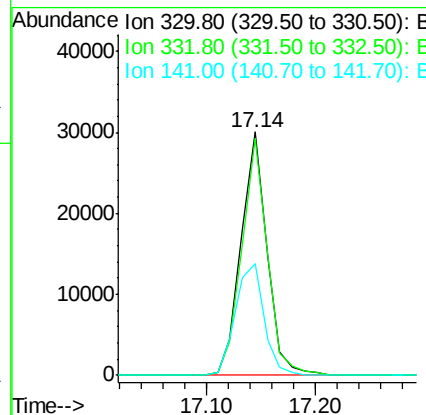
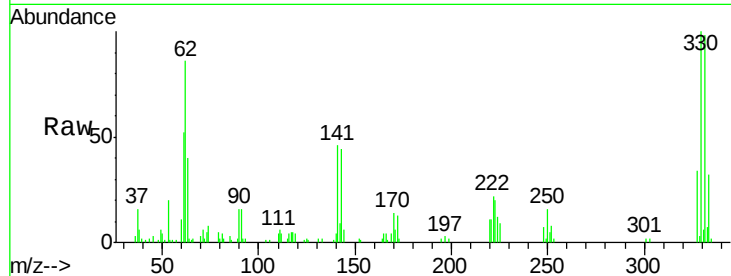




#41
 2,4,6-Tribromophenol
 Concen: 55.78 ng
 RT: 17.14 min Scan# 1383
 Delta R.T. -0.02 min
 Lab File: BF081628.D
 Acq: 15 Sep 2015 14:12

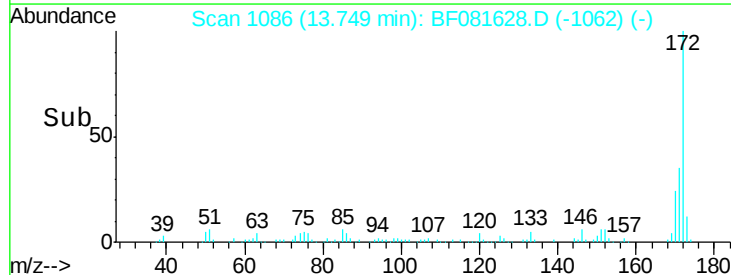
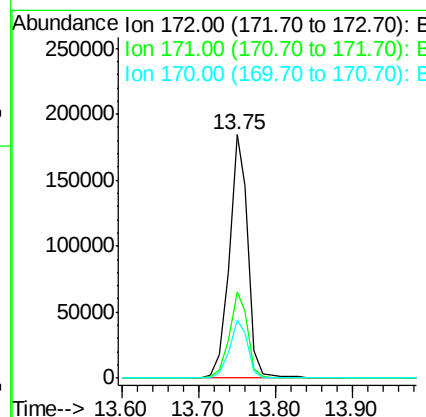
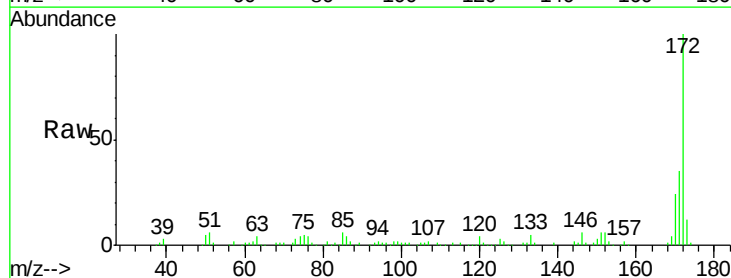
Instrument :
 BNA_F
 ClientSampleId :
 GP-7(0-5)

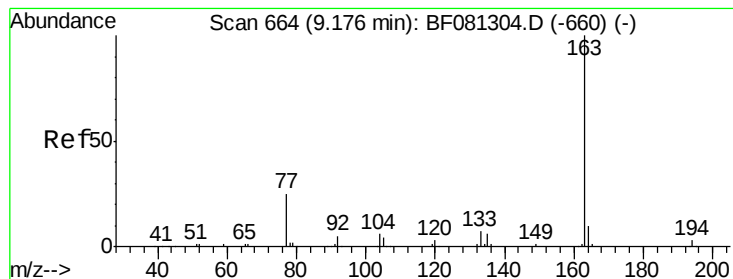
Tgt Ion:330 Resp: 49475
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 50.9 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 40.84 ng
 RT: 13.75 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BF081628.D
 Acq: 15 Sep 2015 14:12

Tgt Ion:172 Resp: 317409
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.9 17.4 26.2





#49

Dimethylphthalate

Concen: 8.11 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

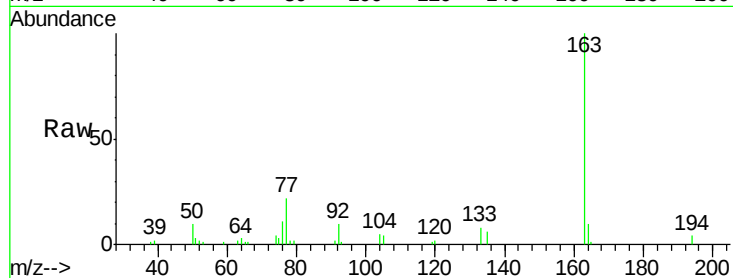
Tgt Ion:163 Resp: 62754

Ion Ratio Lower Upper

163 100

194 3.5 4.4 6.6#

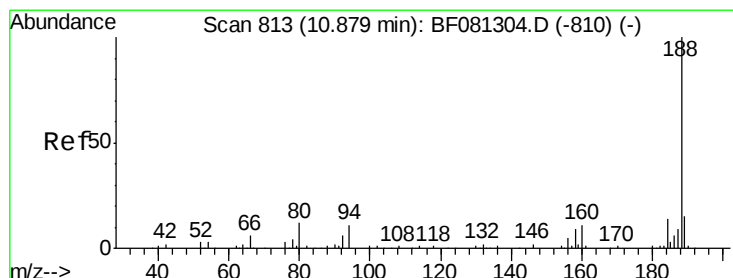
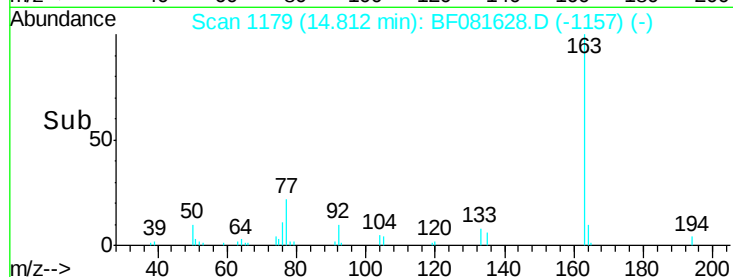
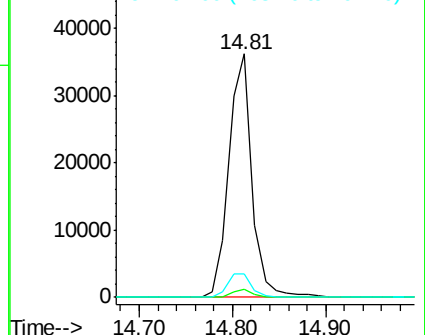
164 9.8 8.3 12.5



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: 18.74 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

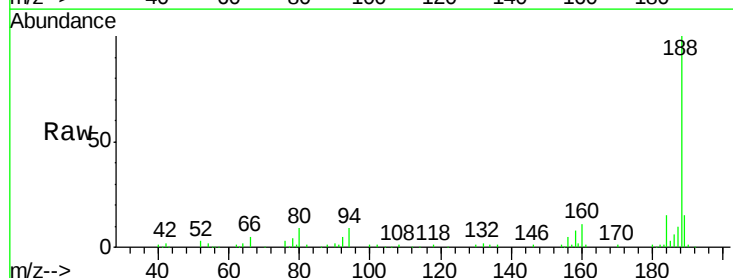
Tgt Ion:188 Resp: 178710

Ion Ratio Lower Upper

188 100

94 8.7 11.1 16.7#

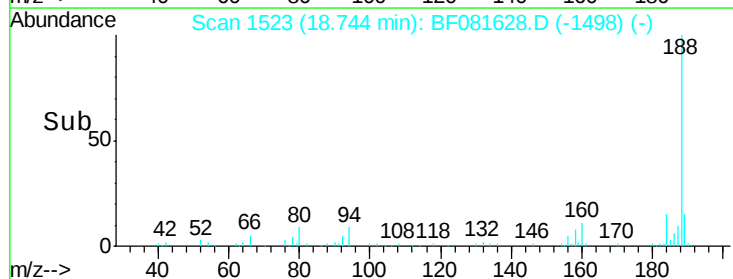
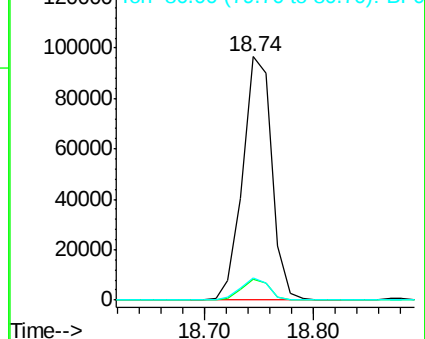
80 9.1 11.0 16.4#

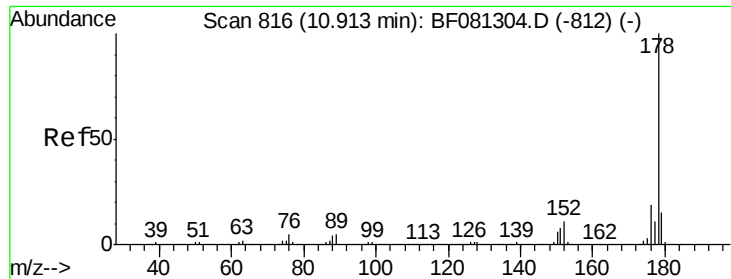


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

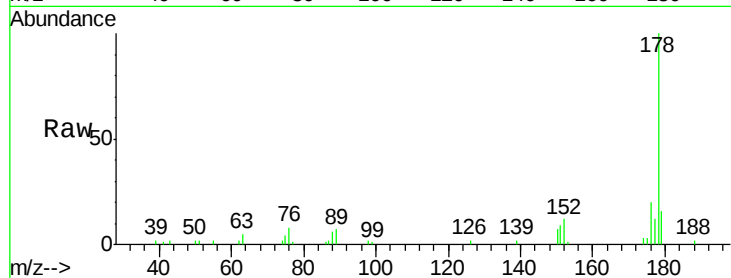




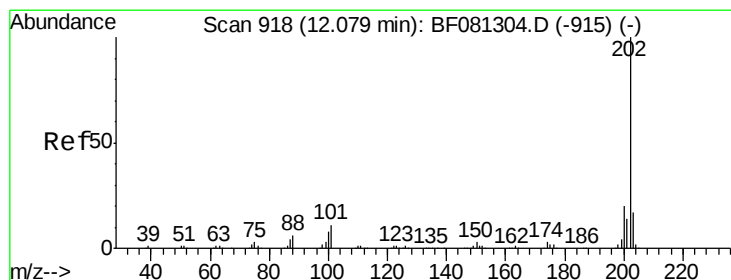
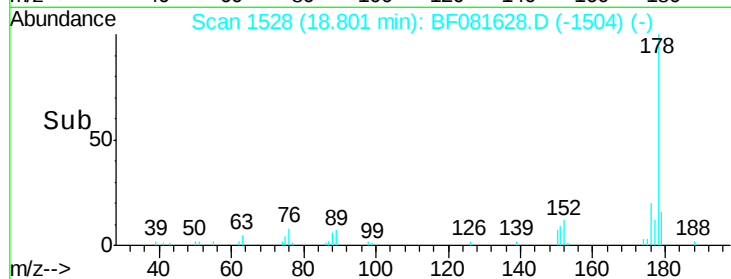
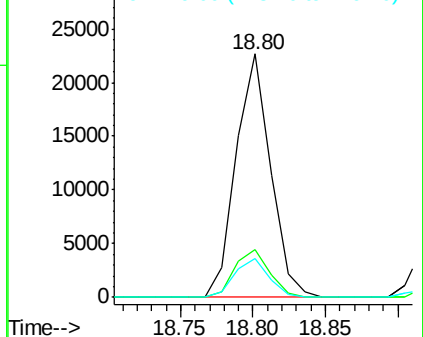
#70
Phenanthrene
Concen: 3.76 ng
RT: 18.80 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Instrument :
BNA_F
ClientSampleId :
GP-7(0-5)

Tgt Ion:178 Resp: 37406
Ion Ratio Lower Upper
178 100
176 19.6 13.8 20.8
179 16.2 12.2 18.2

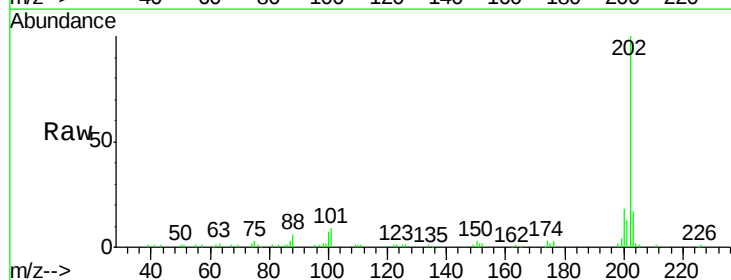


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

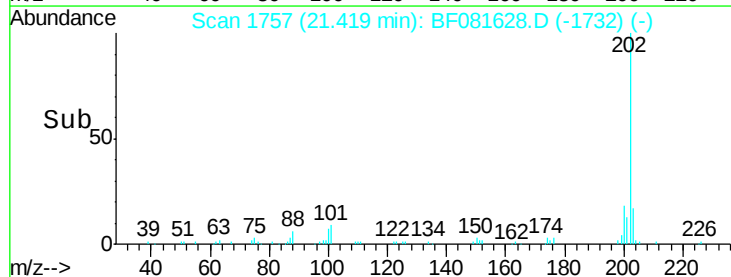
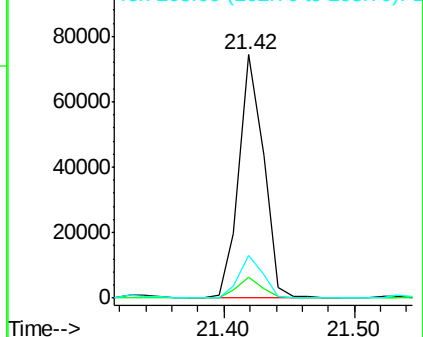


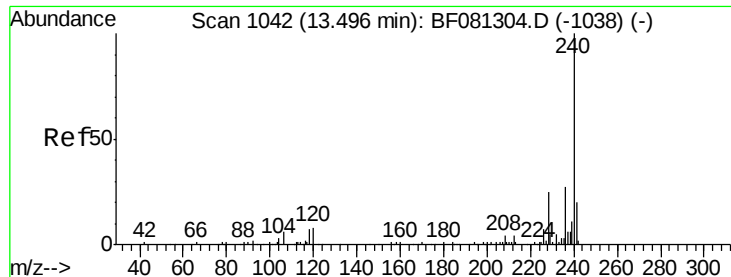
#74
Fluoranthene
Concen: 9.11 ng
RT: 21.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF081628.D
Acq: 15 Sep 2015 14:12

Tgt Ion:202 Resp: 97962
Ion Ratio Lower Upper
202 100
101 8.8 0.0 38.3
203 17.4 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: 23.38 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

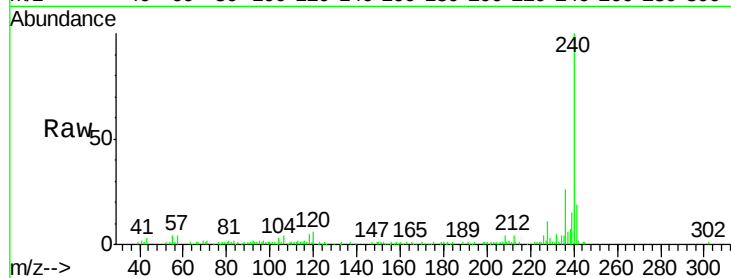
Tgt Ion:240 Resp: 106417

Ion Ratio Lower Upper

240 100

120 5.7 16.2 24.2#

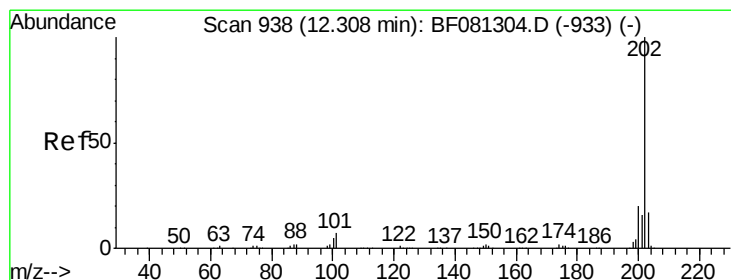
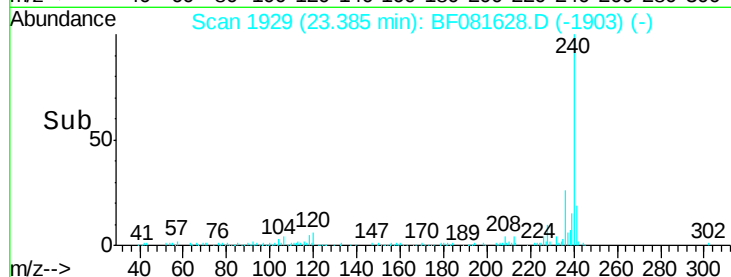
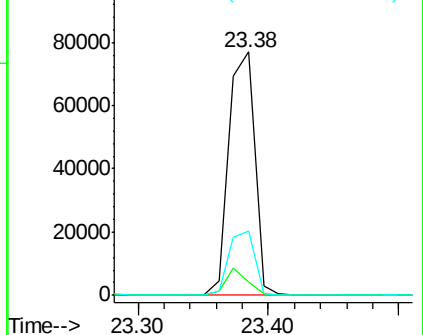
236 26.3 18.4 27.6



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: 15.54 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

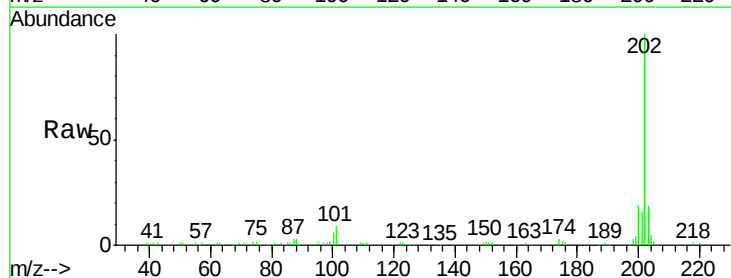
Tgt Ion:202 Resp: 122469

Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

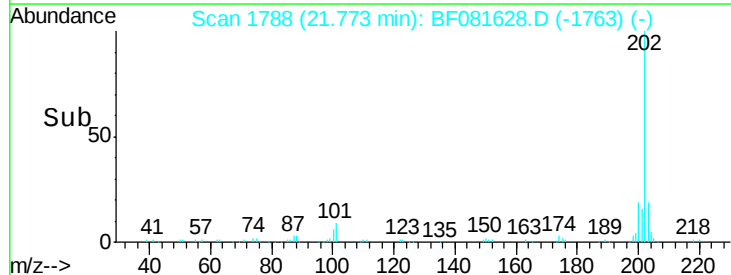
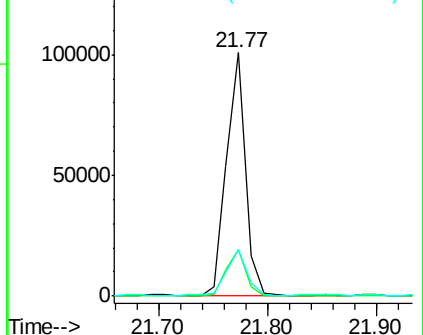
203 19.1 14.1 21.1

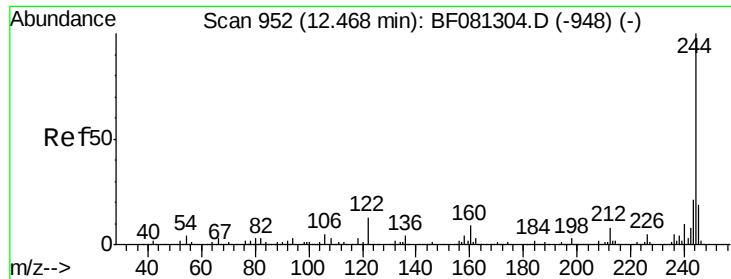


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.66 ng

RT: 22.10 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

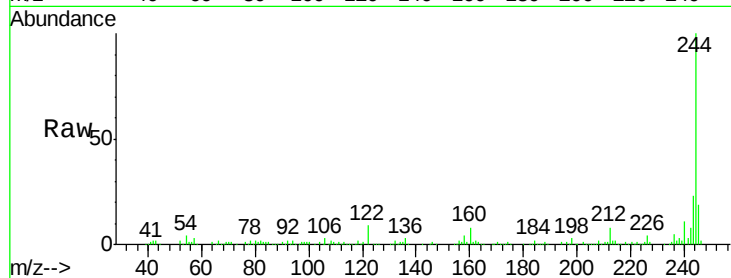
Tgt Ion:244 Resp: 213326

Ion Ratio Lower Upper

244 100

212 8.2 4.3 6.5#

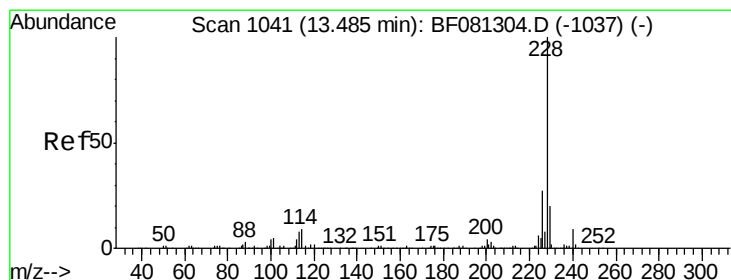
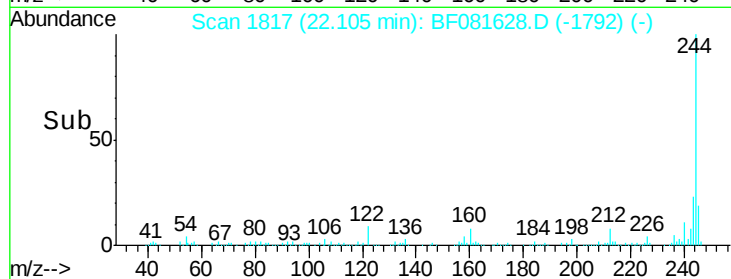
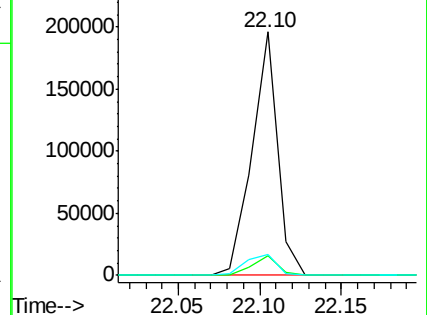
122 8.8 17.4 26.2#



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: 8.18 ng

RT: 23.37 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

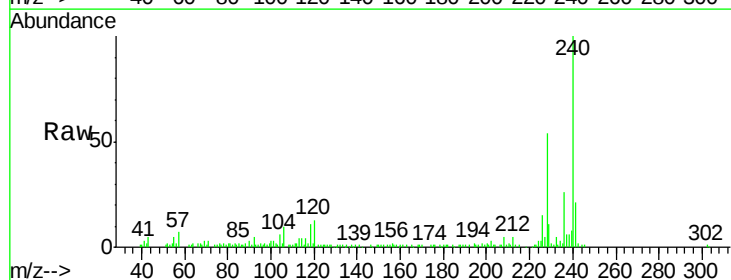
Tgt Ion:228 Resp: 55426

Ion Ratio Lower Upper

228 100

226 28.4 20.0 30.0

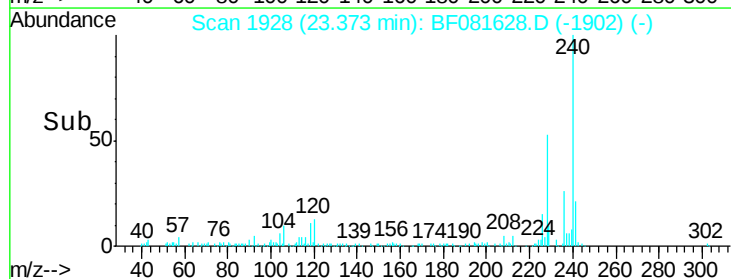
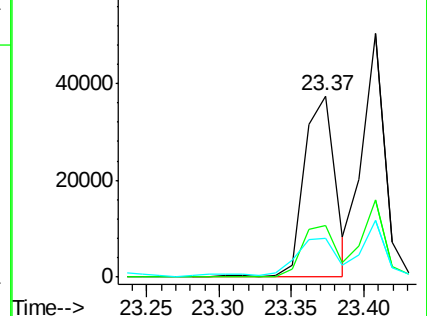
229 21.1 15.4 23.2

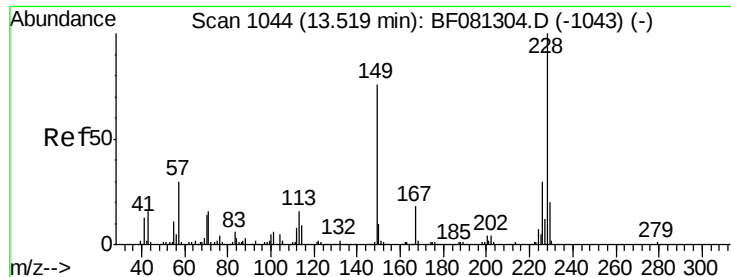


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.12 ng

RT: 23.37 min Scan# 1928

Delta R.T. -0.05 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

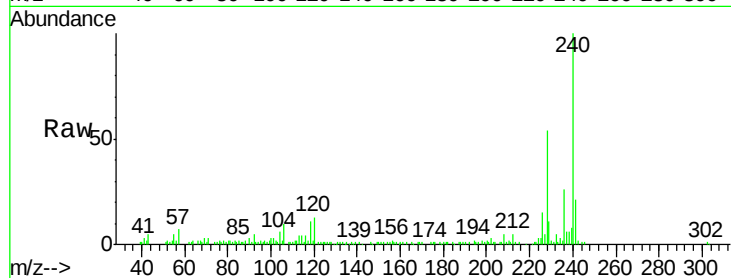
Tgt Ion:228 Resp: 55426

Ion Ratio Lower Upper

228 100

226 28.4 21.0 31.4

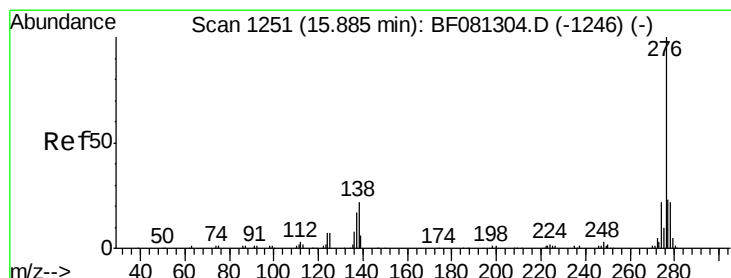
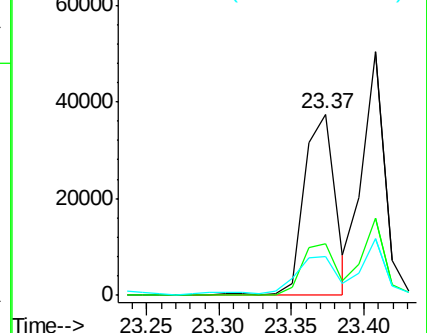
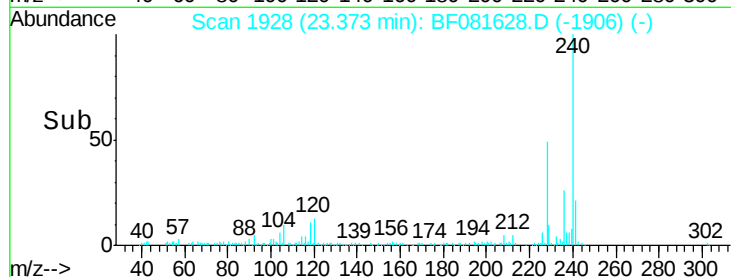
229 21.1 15.6 23.4



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: 5.90 ng

RT: 25.86 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

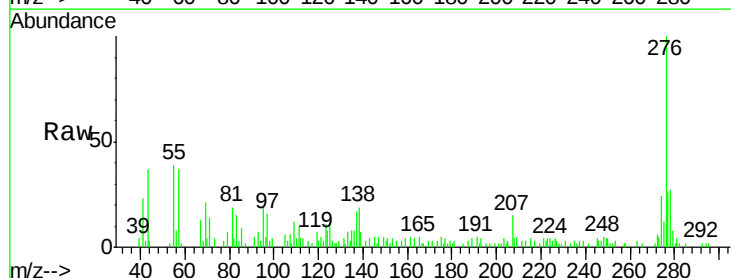
Tgt Ion:276 Resp: 26284

Ion Ratio Lower Upper

276 100

138 19.1 25.7 38.5#

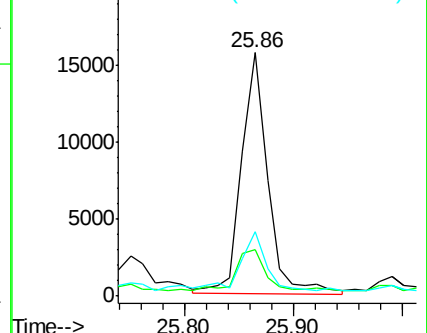
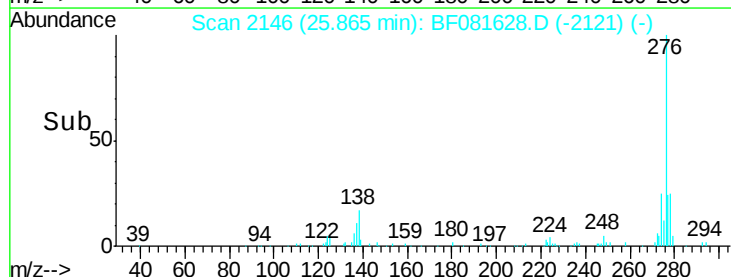
277 30.3 15.6 23.4#

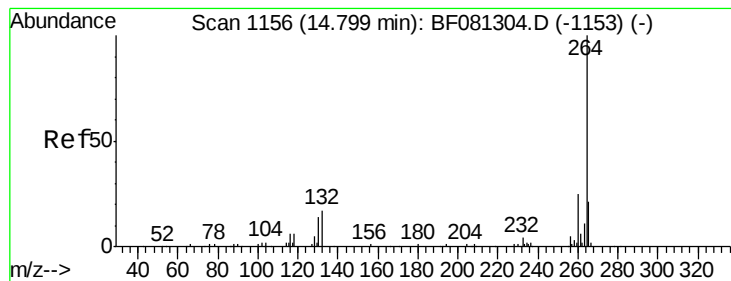


Abundance Ion 276.00 (275.70 to 276.70): E

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: 24.81 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

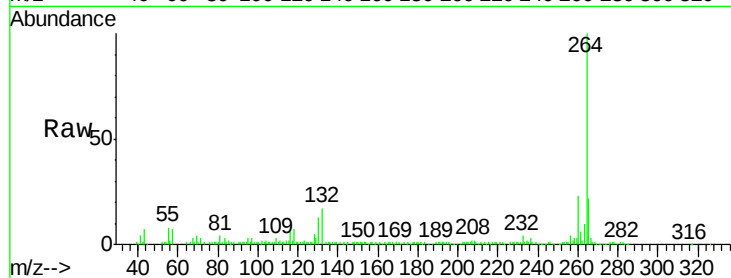
Tgt Ion:264 Resp: 97166

Ion Ratio Lower Upper

264 100

260 23.4 16.7 25.1

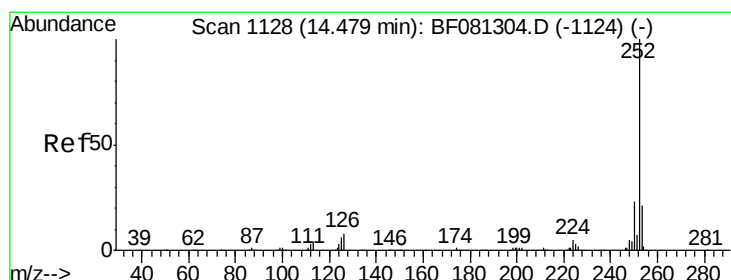
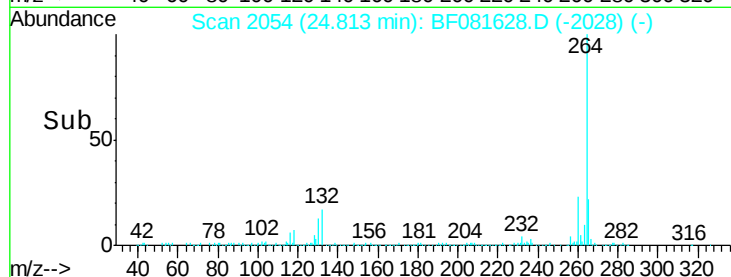
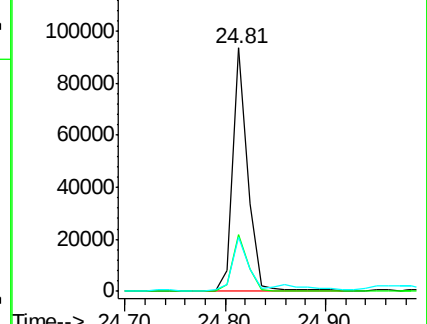
265 22.1 17.2 25.8



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: 11.28 ng

RT: 24.48 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

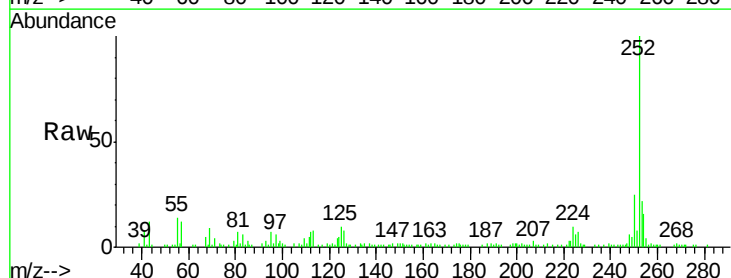
Tgt Ion:252 Resp: 78237

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

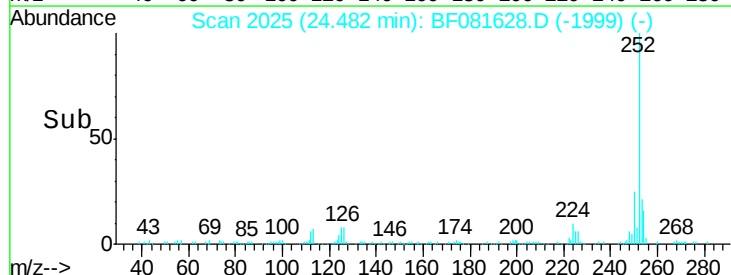
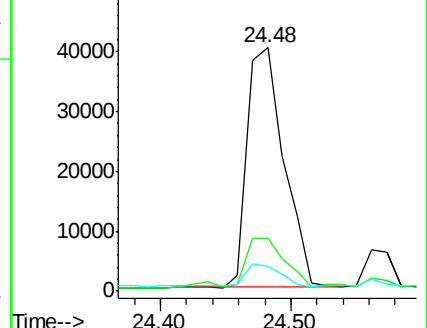
125 10.4 17.1 25.7#

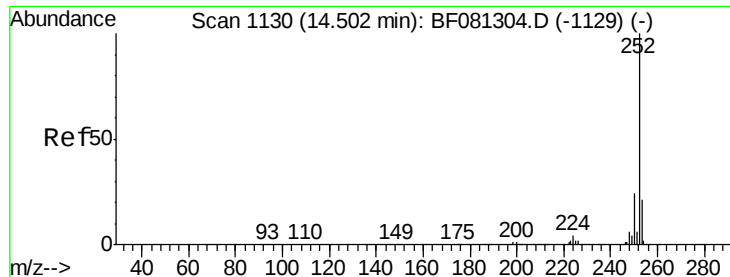


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 13.82 ng

RT: 24.48 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

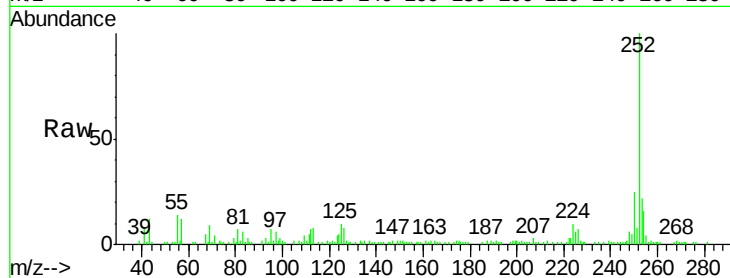
Tgt Ion:252 Resp: 79526

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

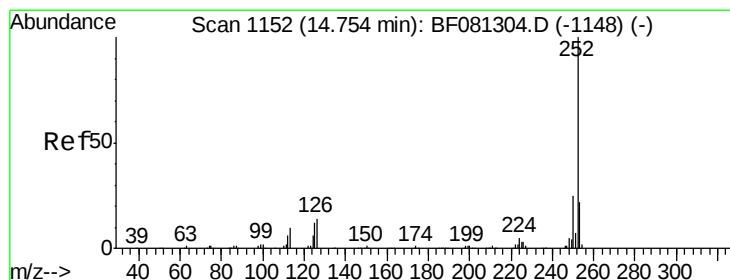
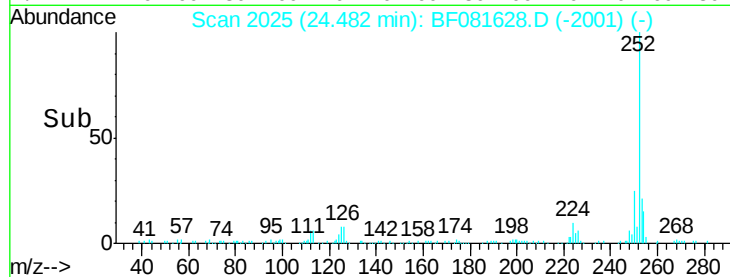
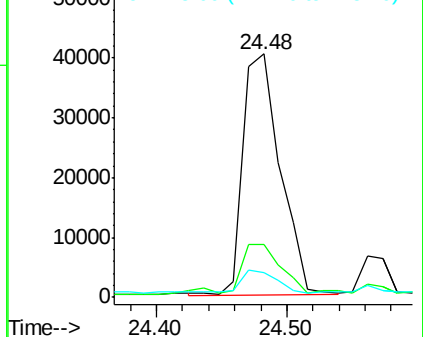
125 10.4 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 8.05 ng

RT: 24.77 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

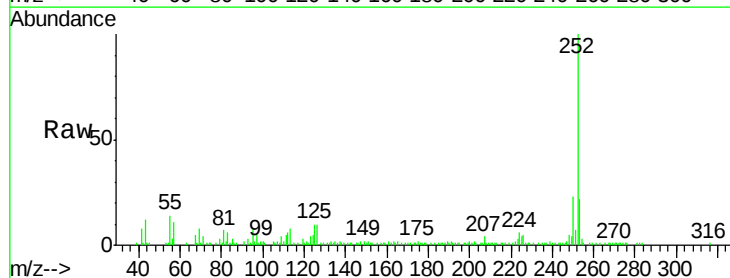
Tgt Ion:252 Resp: 47340

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

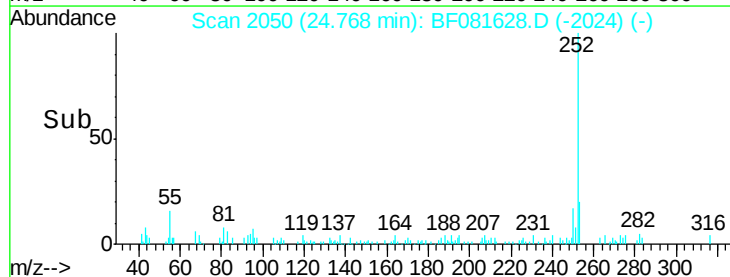
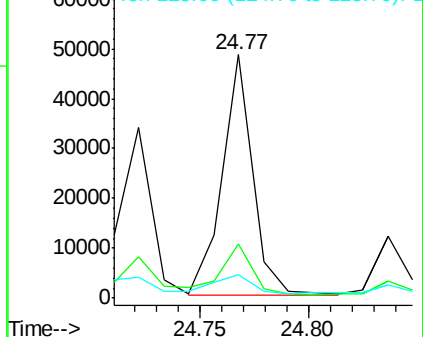
125 9.7 18.0 27.0#

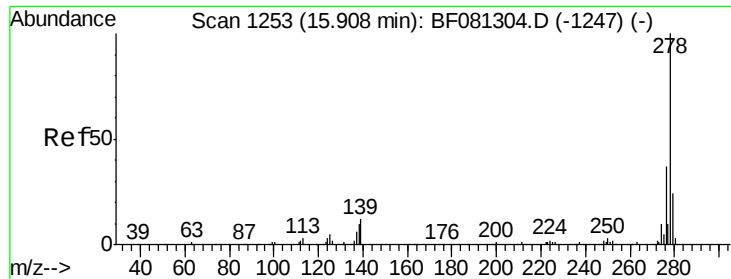


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.14 ng

RT: 25.86 min Scan# 2146

Delta R.T. -0.02 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

Instrument :

BNA_F

ClientSampleId :

GP-7(0-5)

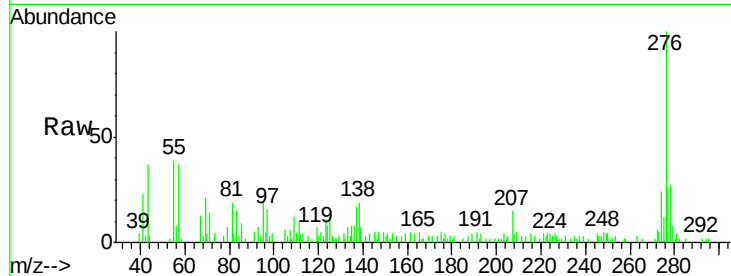
Tgt Ion:278 Resp: 9741

Ion Ratio Lower Upper

278 100

139 25.7 26.3 39.5#

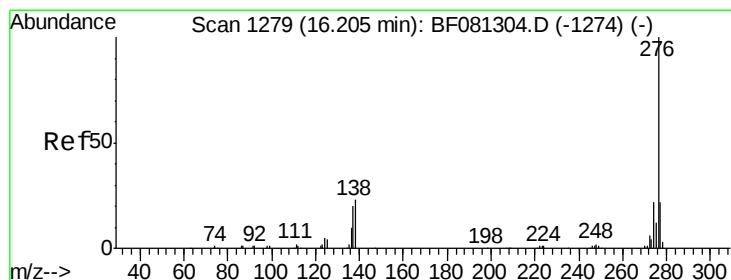
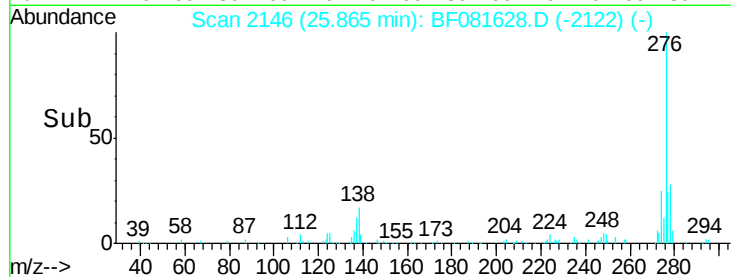
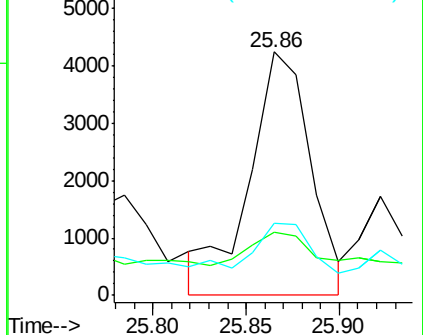
279 29.8 18.2 27.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 5.96 ng

RT: 26.17 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BF081628.D

Acq: 15 Sep 2015 14:12

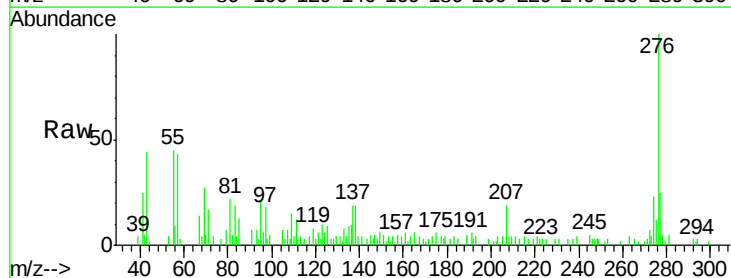
Tgt Ion:276 Resp: 25823

Ion Ratio Lower Upper

276 100

277 25.0 17.8 26.6

138 19.3 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

