

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081370.D
 Acq On : 3 Sep 2015 2:25
 Operator : UM/IZ
 Sample : G3490-01 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)

Quant Time: Sep 03 02:58:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	56139	20.00	ng	0.00
21) Naphthalene-d8	7.68	136	224051	20.00	ng	0.00
38) Acenaphthene-d10	9.42	164	98764	20.00	ng	0.00
63) Phenanthrene-d10	10.88	188	176412	20.00	ng	0.00
75) Chrysene-d12	13.50	240	113867	20.00	ng	0.00
86) Perylene-d12	14.81	264	85709	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.94	112	91901	25.40	ng	0.01
7) Phenol-d6	6.06	99	133310	27.83	ng	0.00
23) Nitrobenzene-d5	6.96	82	79893	17.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.19	330	18602	21.15	ng	-0.01
44) 2-Fluorobiphenyl	8.75	172	113785	14.76	ng	-0.01
78) Terphenyl-d14	12.47	244	84455	17.27	ng	0.00

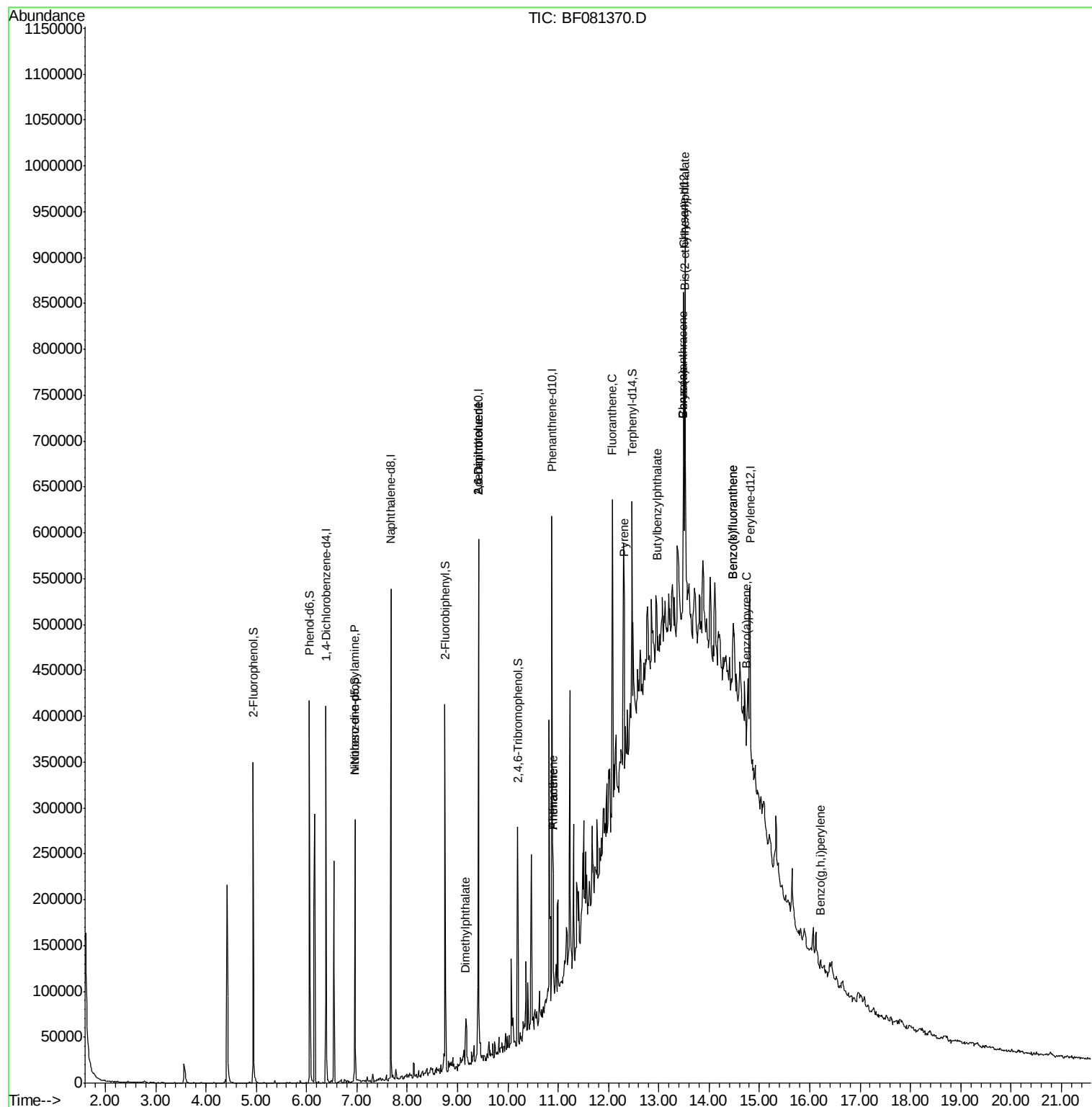
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.96	70	10716	3.29	ng	# 64
49) Dimethylphthalate	9.16	163	17336	2.26	ng	# 96
50) 2,6-Dinitrotoluene	9.42	165	12778	7.34	ng	# 41
56) 2,4-Dinitrotoluene	9.42	165	12778	5.76	ng	# 35
70) Phenanthrene	10.90	178	44641	4.55	ng	97
71) Anthracene	10.90	178	44641	4.43	ng	97
74) Fluoranthene	12.08	202	136357	12.84	ng	88
77) Pyrene	12.31	202	122972	14.58	ng	99
79) Butylbenzylphthalate	12.96	149	19110	5.21	ng	# 81
80) Benzo(a)anthracene	13.49	228	40556	5.59	ng	# 92
82) Chrysene	13.49	228	40556	6.24	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.52	149	111671	23.07	ng	# 90
87) Benzo(b)fluoranthene	14.48	252	30896	5.05	ng	# 85
88) Benzo(k)fluoranthene	14.48	252	30896	6.09	ng	# 83
89) Benzo(a)pyrene	14.75	252	16792	3.24	ng	# 75
91) Benzo(g,h,i)perylene	16.22	276	7755	2.03	ng	# 82

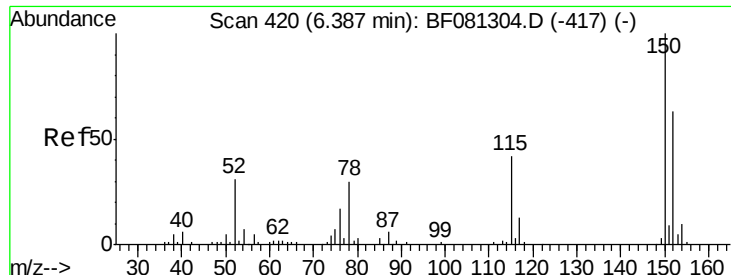
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF081370.D
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Misc :
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Instrument :
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ClientSampleId :
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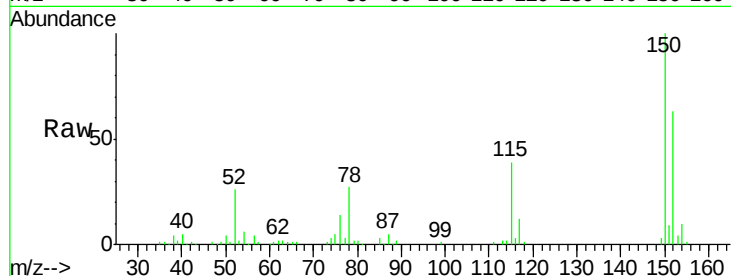


#1

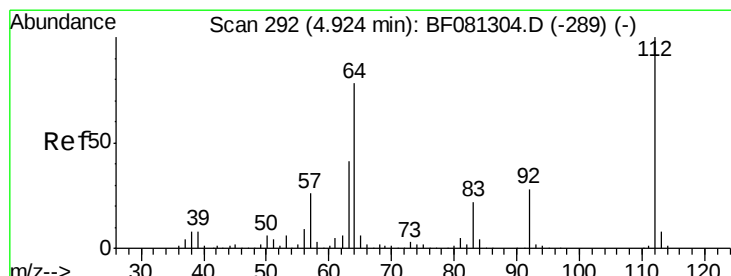
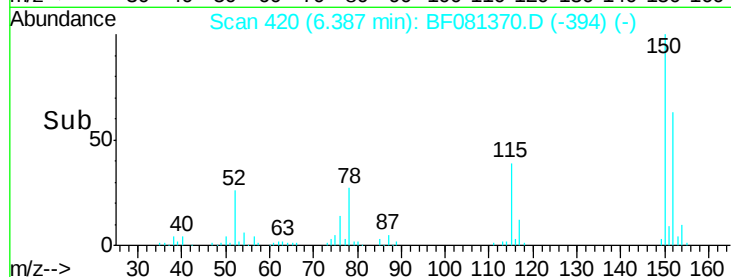
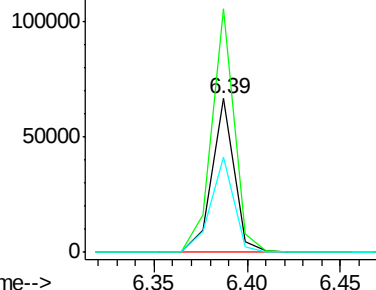
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.39 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.7	187.1
115	62.1	39.0	58.4



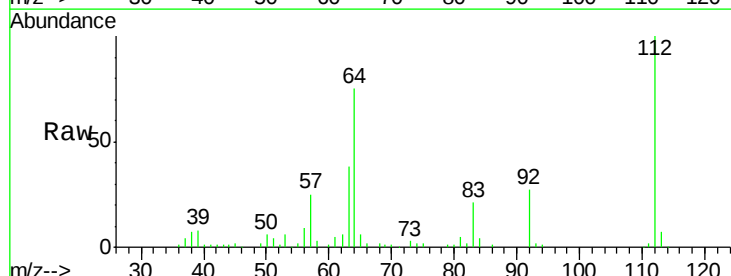
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



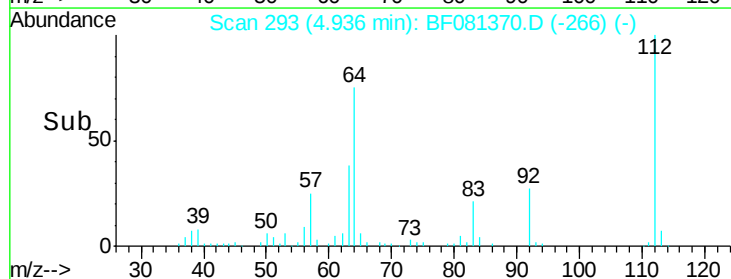
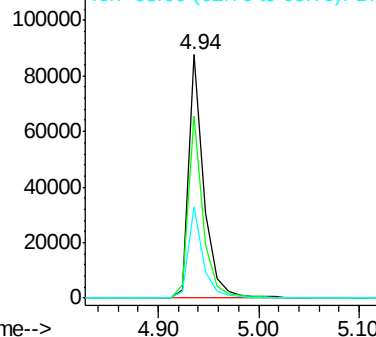
#5

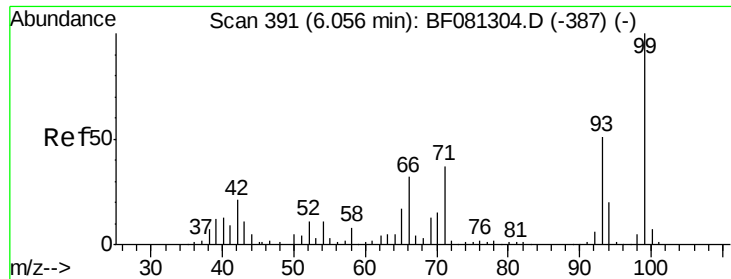
2-Fluorophenol
Concen: 25.40 ng
RT: 4.94 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.1	39.7	59.5
63	37.6	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: 27.83 ng

RT: 6.06 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampled :

28TP22(4.5-5)

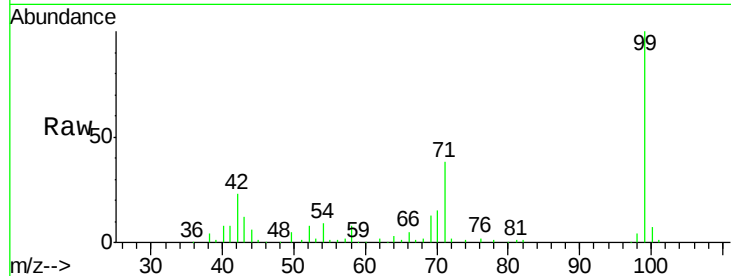
Tot Ion: 99 Resp: 133310

Ion Ratio Lower Upper

99 100

42 22.8 13.7 20.5#

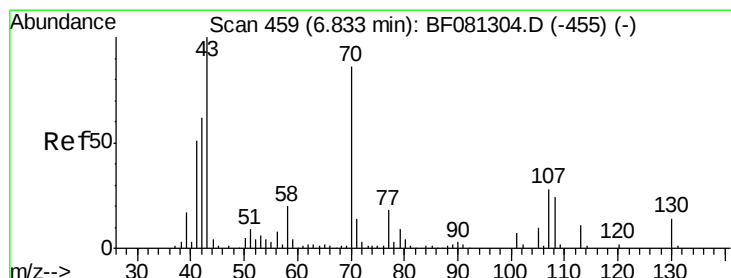
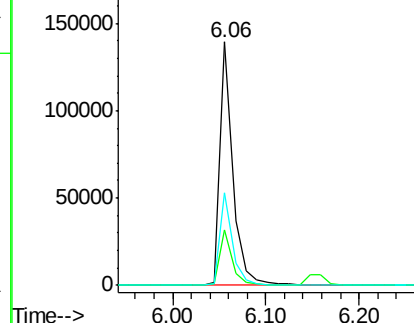
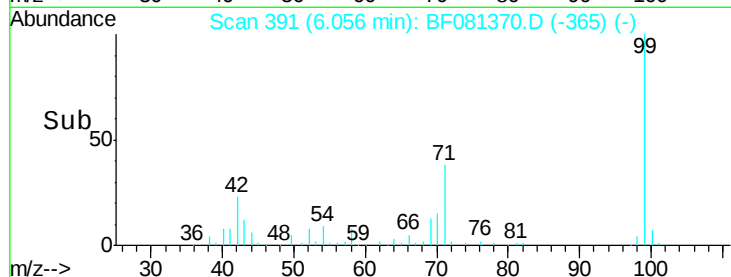
71 37.8 14.2 21.2#



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: 3.29 ng

RT: 6.96 min Scan# 470

Delta R.T. 0.13 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Tgt Ion: 70 Resp: 10716

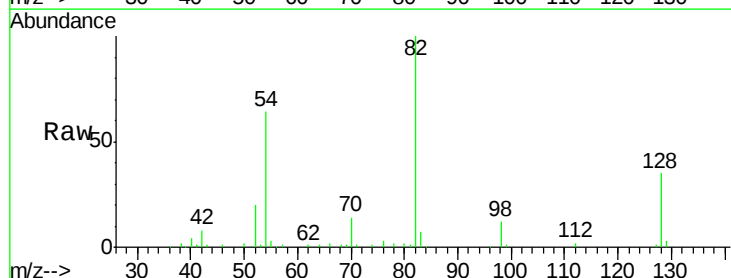
Ion Ratio Lower Upper

70 100

42 56.2 63.8 95.6#

101 0.0 9.2 13.8#

130 0.0 27.3 40.9#

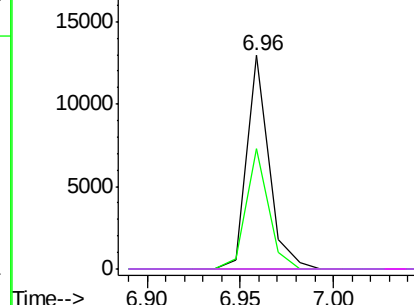
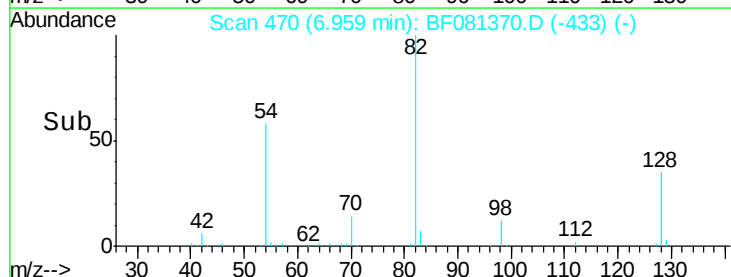


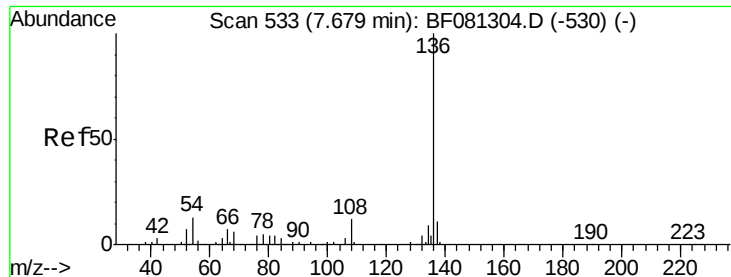
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.68 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

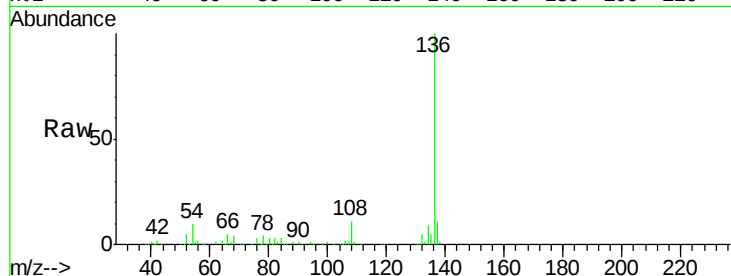
Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

Tot Ion:136	Resp:	224051
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.6
54	9.7	8.2 12.2
68	4.3	5.8 8.6#

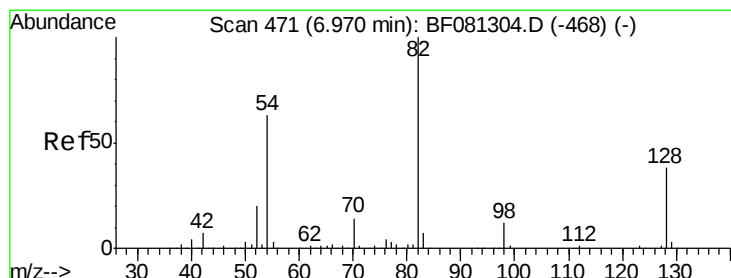
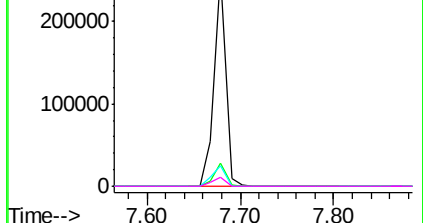
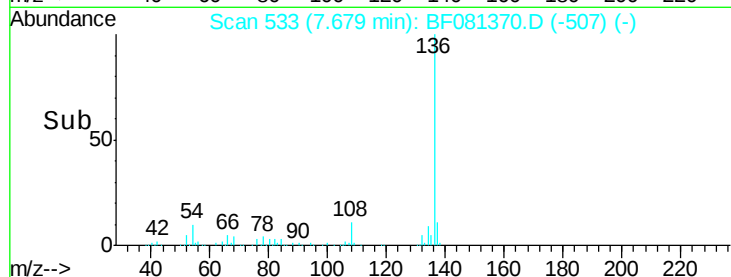


Abundance Ion 136.00 (135.70 to 136.70): E

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: 17.20 ng

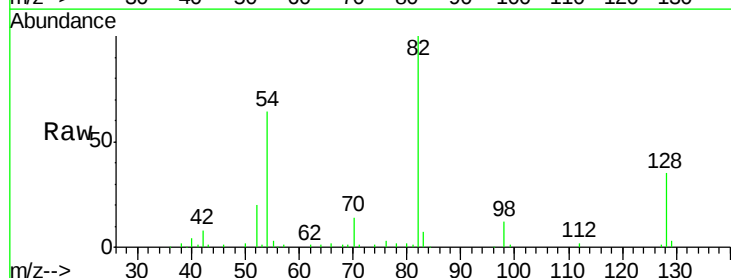
RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

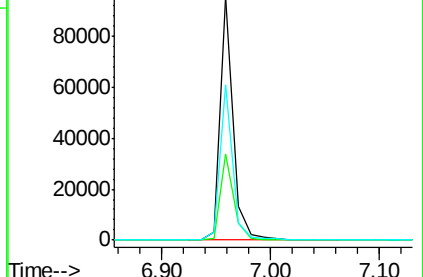
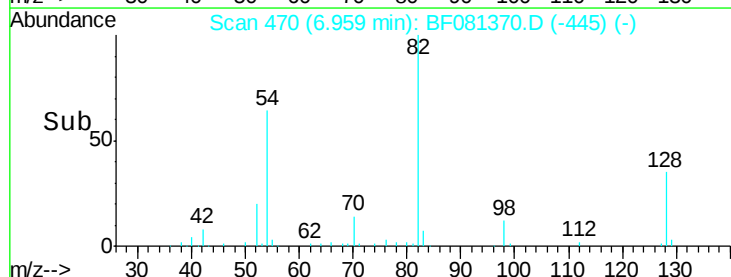
Tgt Ion: 82	Resp:	79893
Ion Ratio	Lower	Upper
82	100	
128	35.4	51.0 76.6#
54	63.8	47.5 71.3

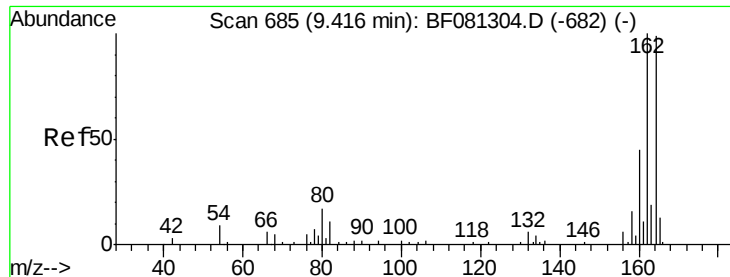


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

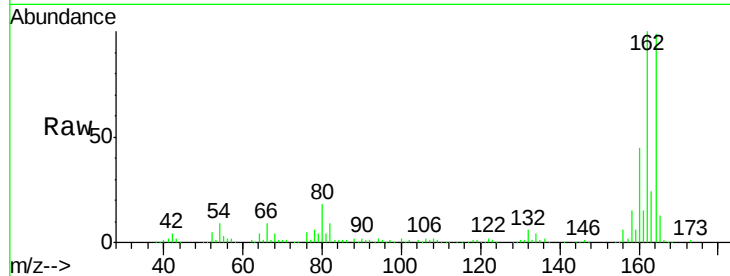




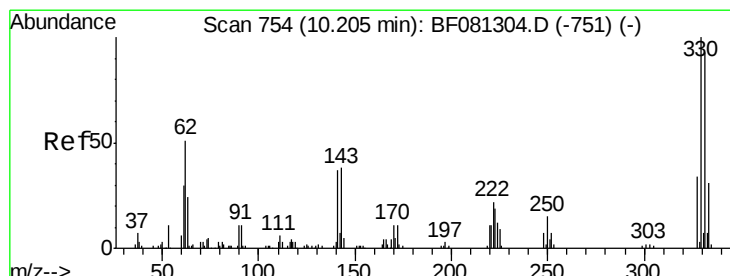
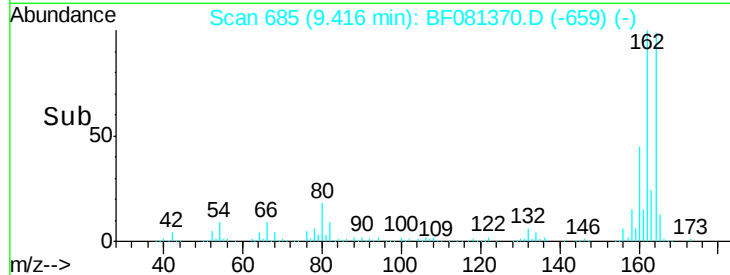
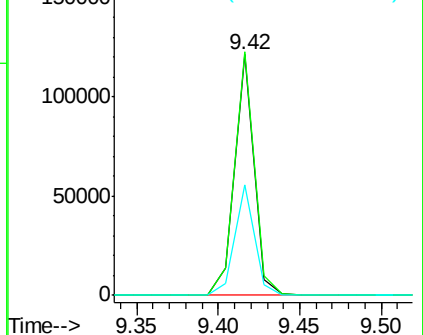
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.42 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)

Tot Ion:164 Resp: 98764
Ion Ratio Lower Upper
164 100
162 101.2 75.2 112.8
160 46.0 31.5 47.3

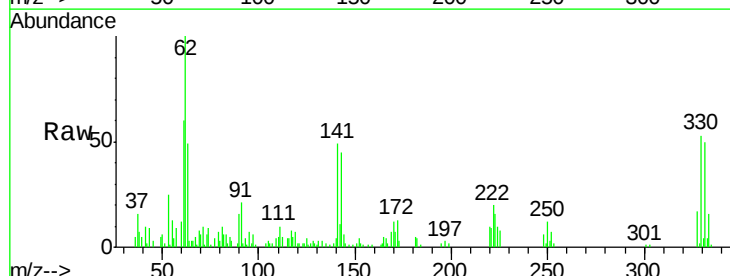


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

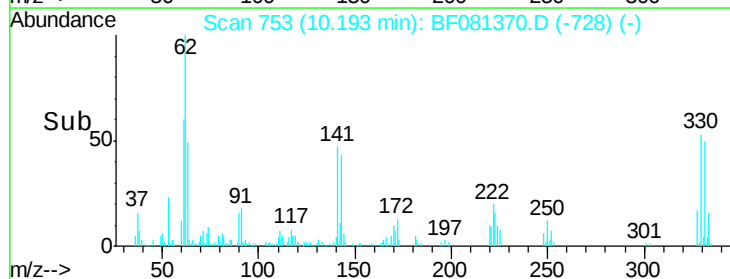
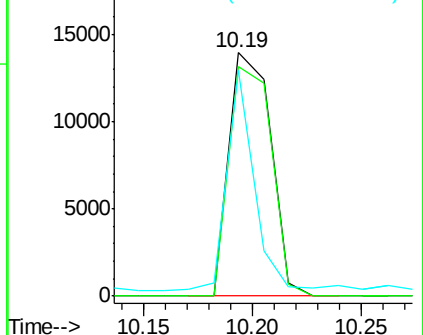


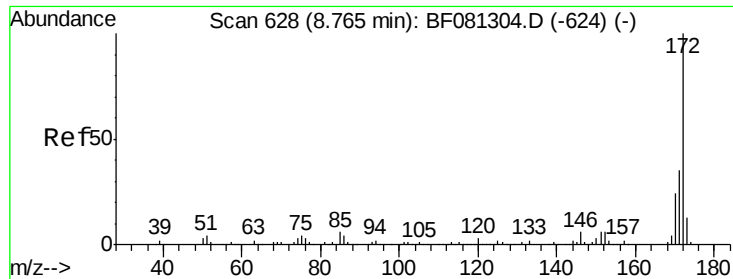
#41
2,4,6-Tribromophenol
Concen: 21.15 ng
RT: 10.19 min Scan# 753
Delta R.T. -0.01 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Tgt Ion:330 Resp: 18602
Ion Ratio Lower Upper
330 100
332 95.9 76.6 114.8
141 58.5 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

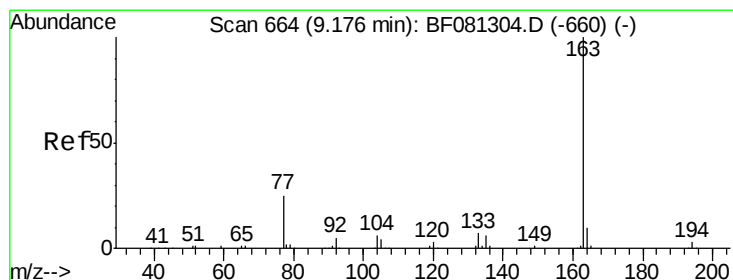
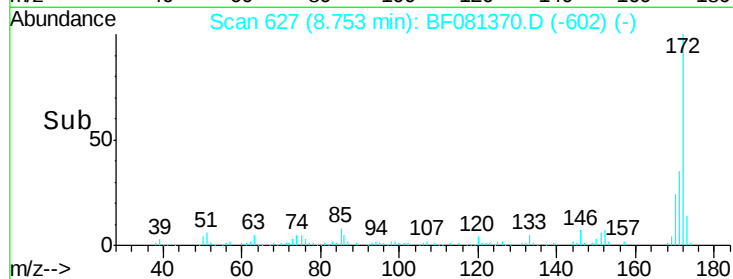
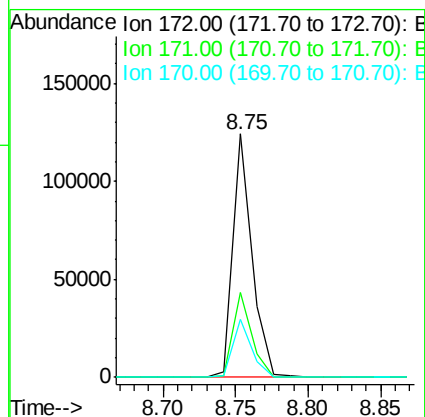
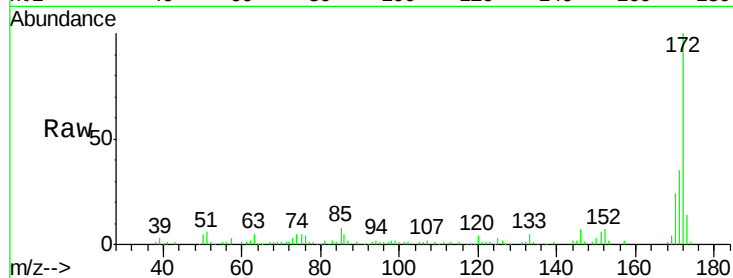




#44
2-Fluorobiphenyl
Concen: 14.76 ng
RT: 8.75 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

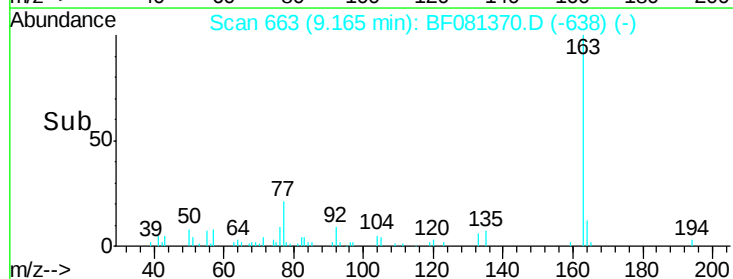
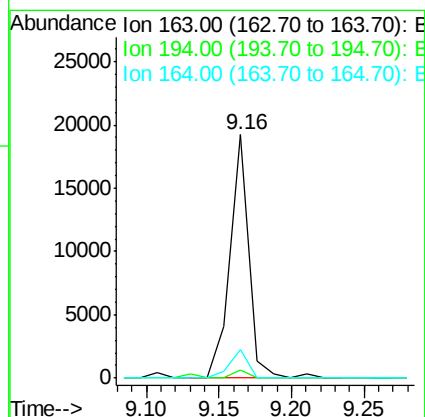
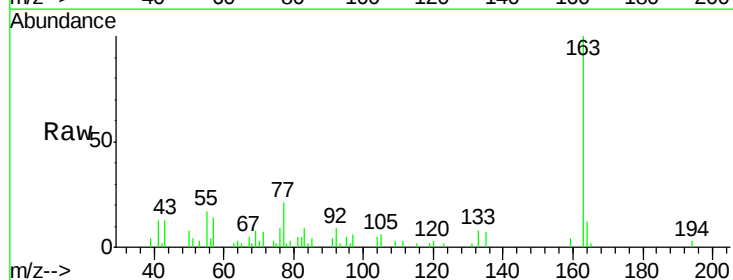
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28TP22(4.5-5)

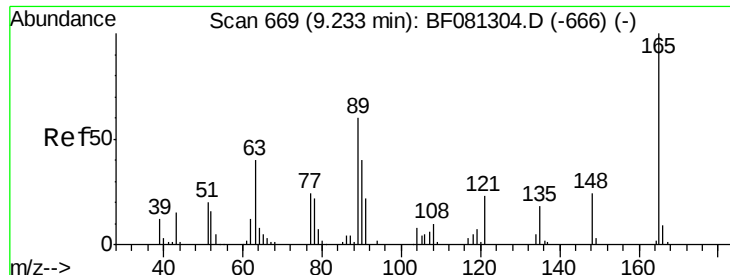
Tot Ion:172 Resp: 113785
Ion Ratio Lower Upper
172 100
171 35.0 26.1 39.1
170 23.6 17.4 26.2



#49
Dimethylphthalate
Concen: 2.26 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Tgt Ion:163 Resp: 17336
Ion Ratio Lower Upper
163 100
194 3.4 4.4 6.6#
164 11.6 8.3 12.5

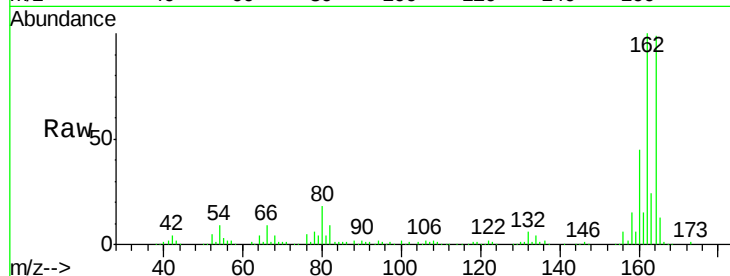




#50
 2,6-Dinitrotoluene
 Concen: 7.34 ng
 RT: 9.42 min Scan# 685
 Delta R.T. 0.18 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)

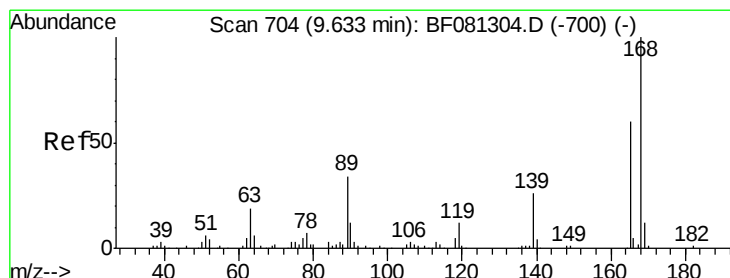
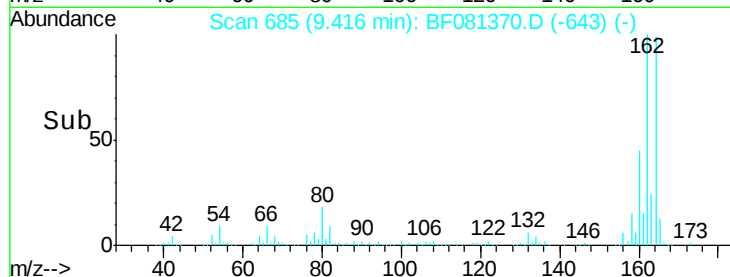
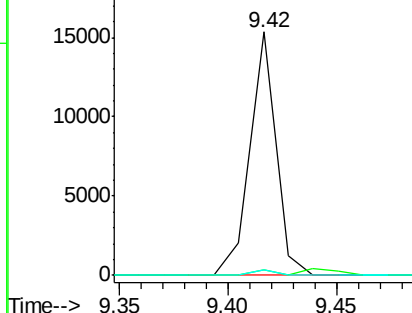
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	32.3	48.5#
89	2.2	28.6	43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 5.76 ng
 RT: 9.42 min Scan# 685
 Delta R.T. -0.22 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

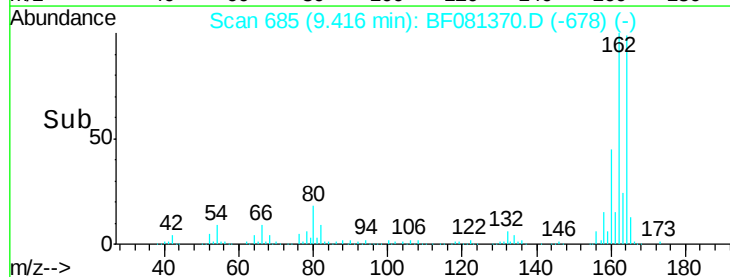
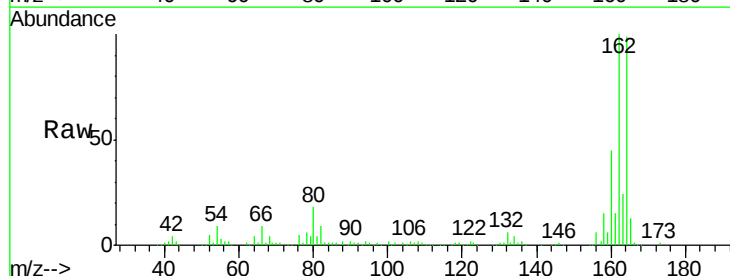
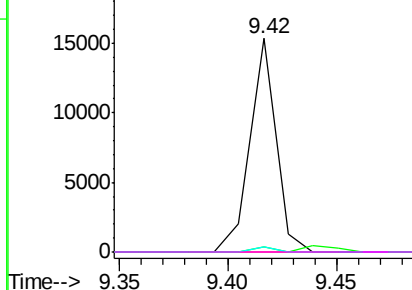
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	29.8	44.6#
89	2.2	44.5	66.7#
182	0.0	3.0	4.4#

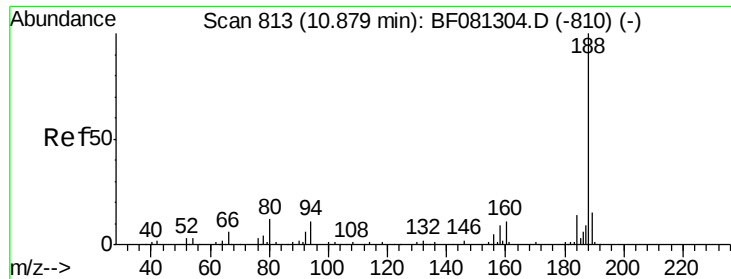
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

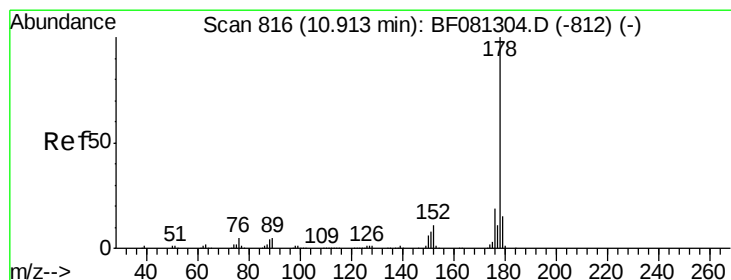
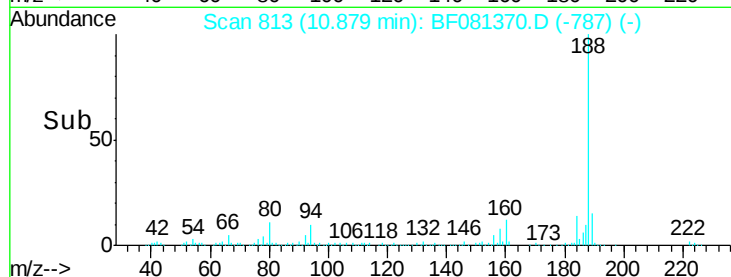
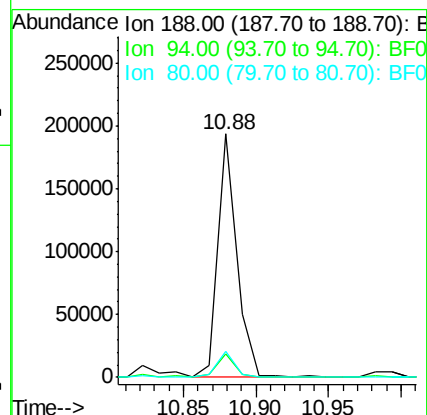
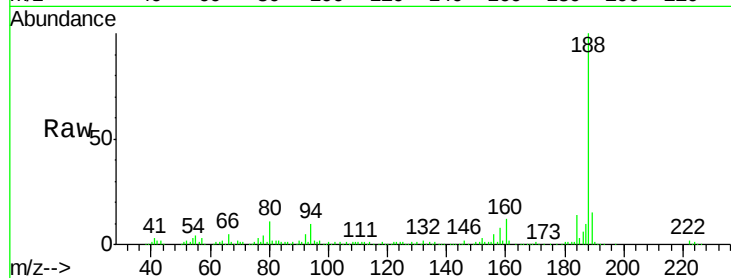




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

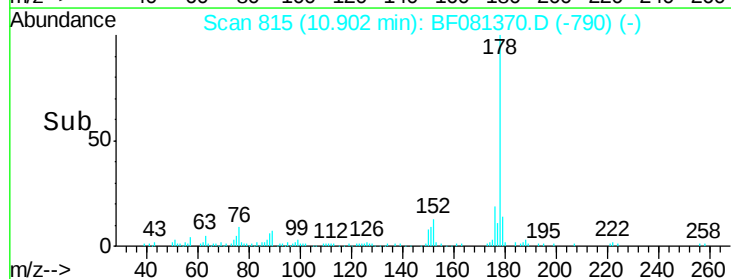
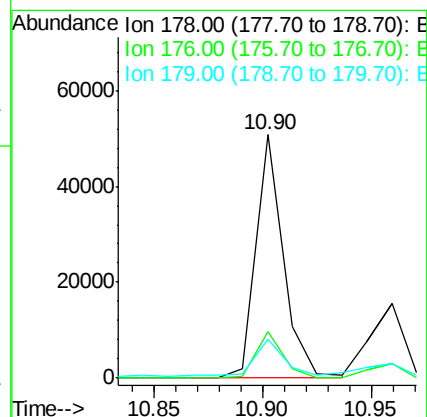
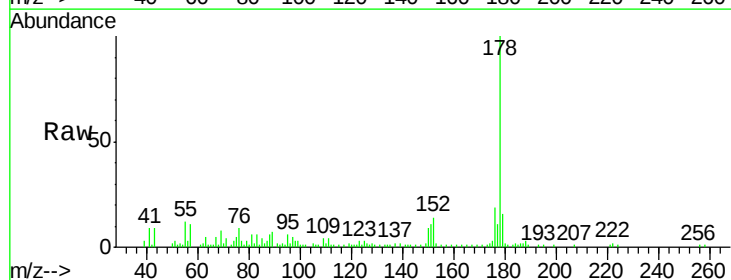
Instrument :
BNA_F
ClientSampleId :
28TP22(4.5-5)

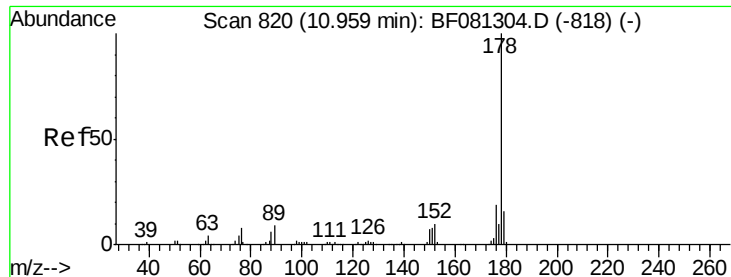
Tot Ion:188 Resp: 176412
Ion Ratio Lower Upper
188 100
94 9.8 11.1 16.7#
80 10.5 11.0 16.4#



#70
Phenanthrene
Concen: 4.55 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF081370.D
Acq: 3 Sep 2015 2:25

Tgt Ion:178 Resp: 44641
Ion Ratio Lower Upper
178 100
176 19.2 13.8 20.8
179 15.8 12.2 18.2

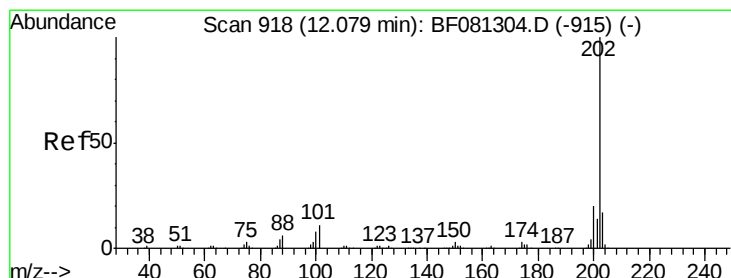
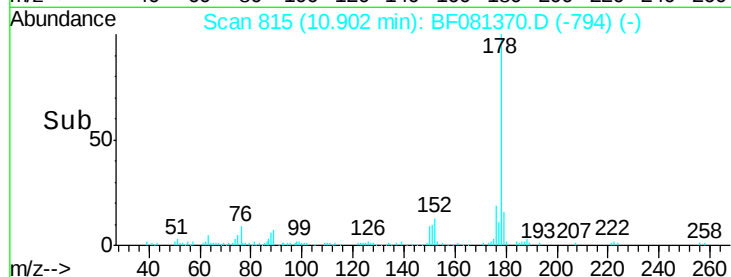
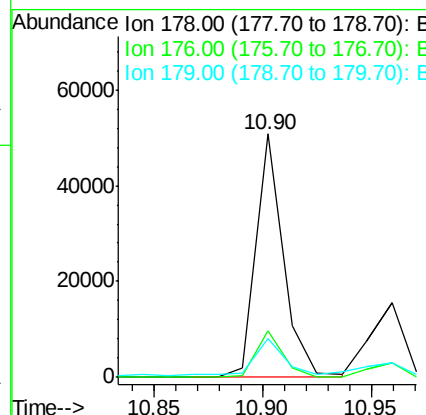
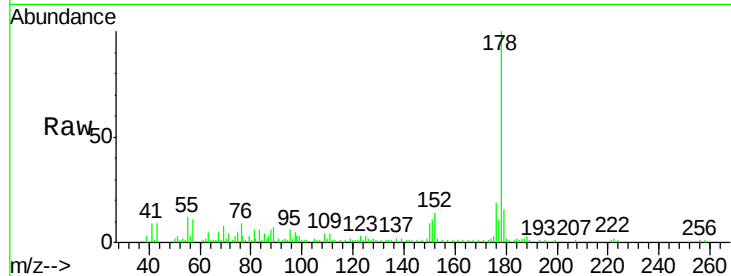




#71
 Anthracene
 Concen: 4.43 ng
 RT: 10.90 min Scan# 815
 Delta R.T. -0.06 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

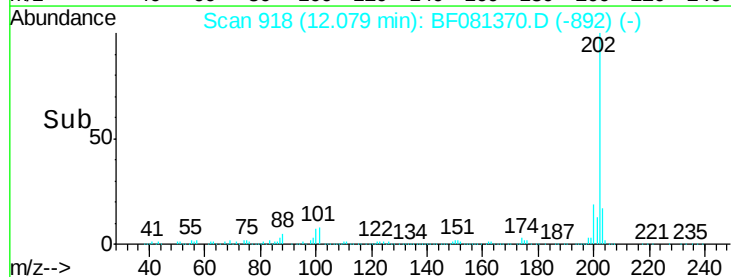
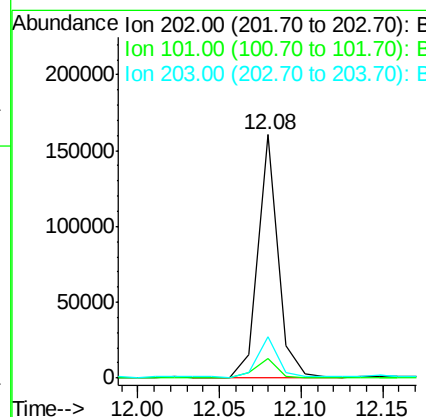
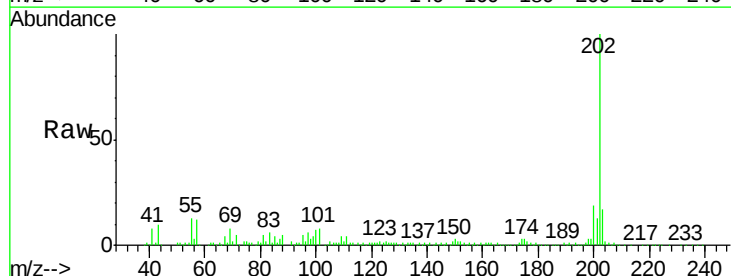
Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)

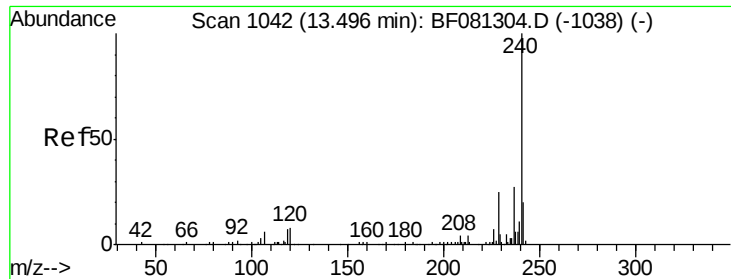
Tot Ion:178 Resp: 44641
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.1 21.1
 179 15.8 12.2 18.2



#74
 Fluoranthene
 Concen: 12.84 ng
 RT: 12.08 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

Tgt Ion:202 Resp: 136357
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 38.3
 203 16.9 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.50 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

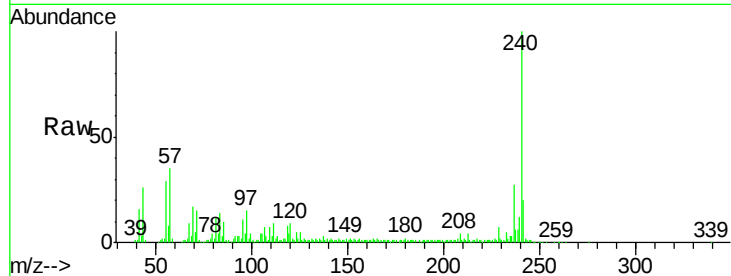
Tot Ion:240 Resp: 113867

Ion Ratio Lower Upper

240 100

120 9.0 16.2 24.2#

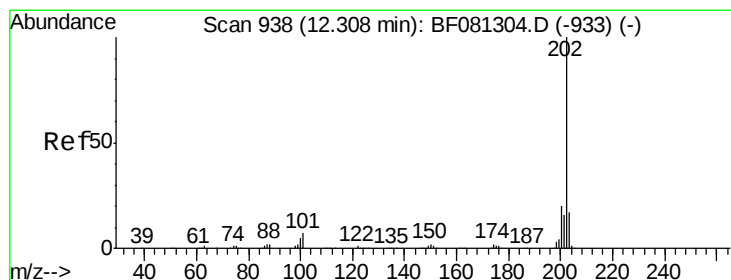
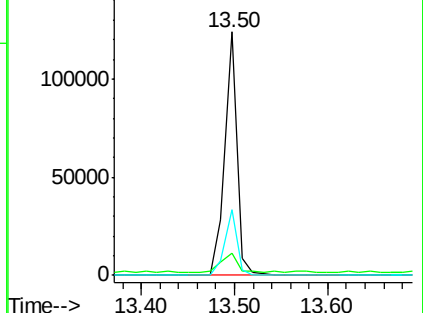
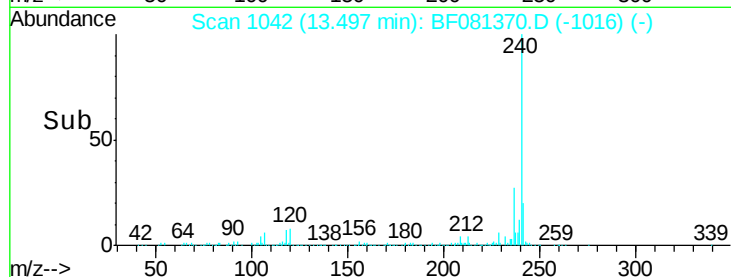
236 26.9 18.4 27.6



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: 14.58 ng

RT: 12.31 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

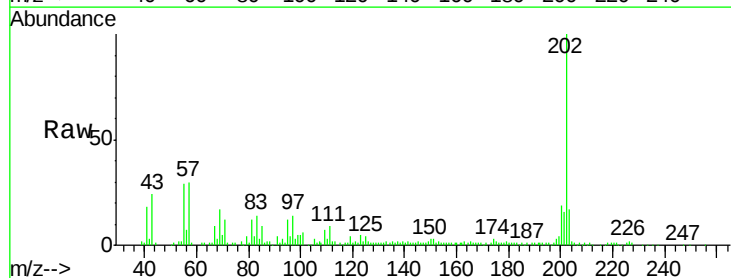
Tgt Ion:202 Resp: 122972

Ion Ratio Lower Upper

202 100

200 19.3 15.0 22.4

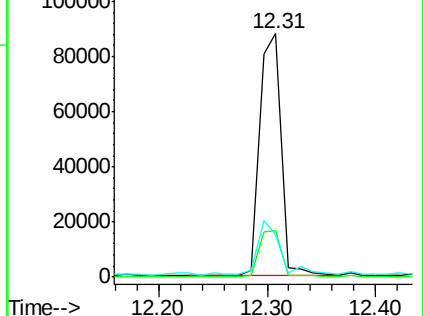
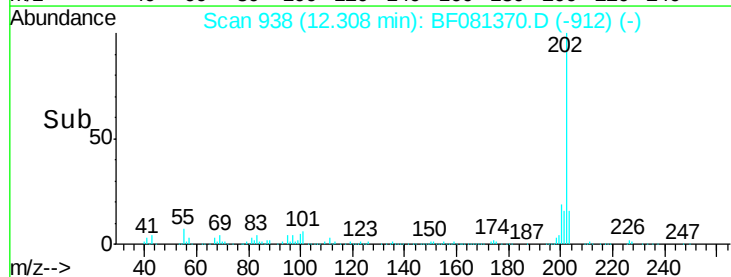
203 17.4 14.1 21.1

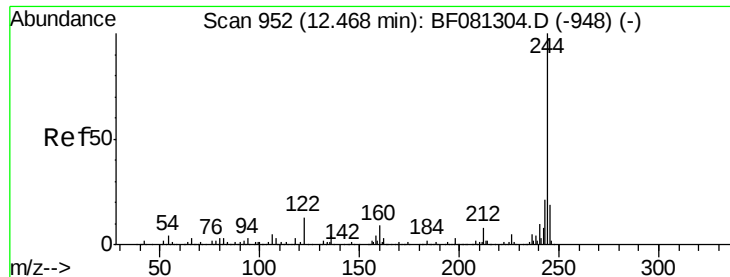


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.27 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

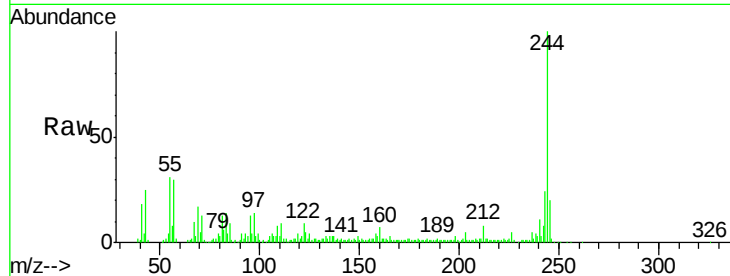
Tot Ion:244 Resp: 84455

Ion Ratio Lower Upper

244 100

212 8.0 4.3 6.5#

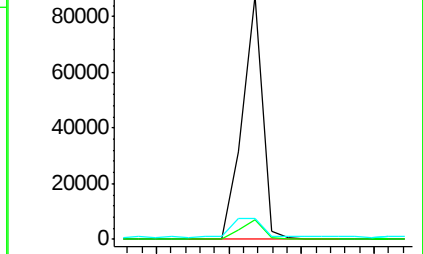
122 8.8 17.4 26.2#



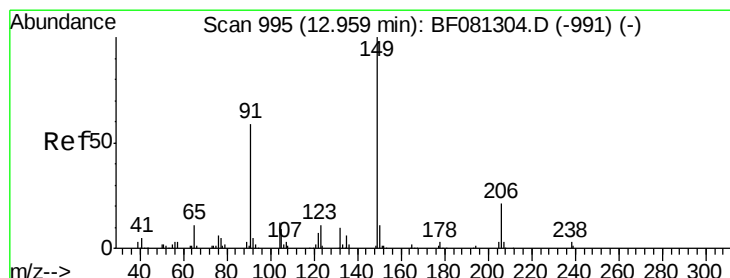
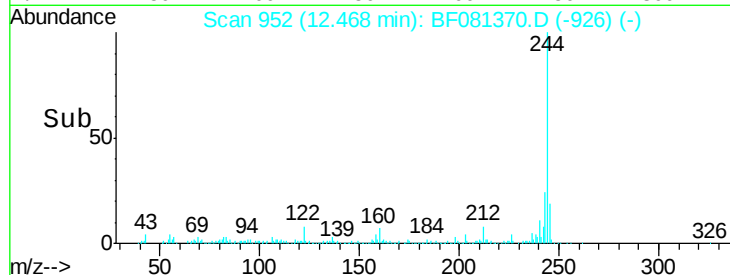
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#79

Butylbenzylphthalate

Concen: 5.21 ng

RT: 12.96 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

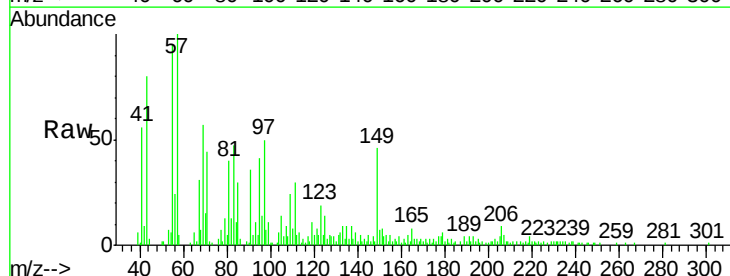
Tgt Ion:149 Resp: 19110

Ion Ratio Lower Upper

149 100

91 78.4 48.6 72.8#

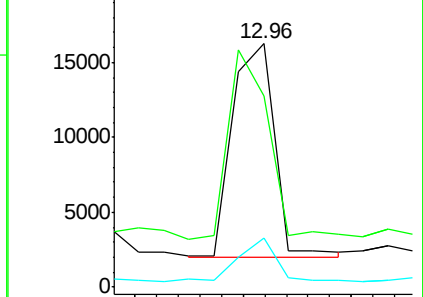
206 20.1 14.9 22.3



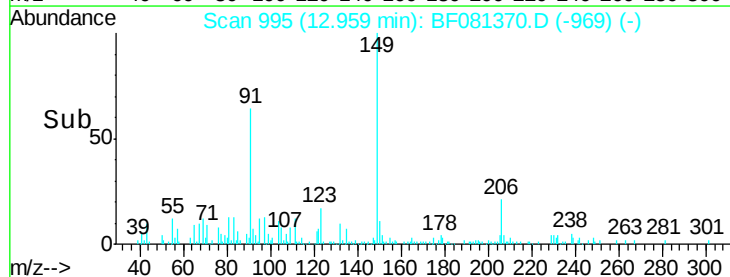
Abundance Ion 149.00 (148.70 to 149.70): E

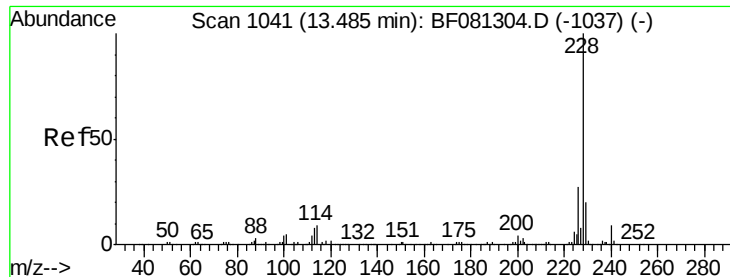
Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



Time-->





#80

Benzo(a)anthracene

Concen: 5.59 ng

RT: 13.49 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

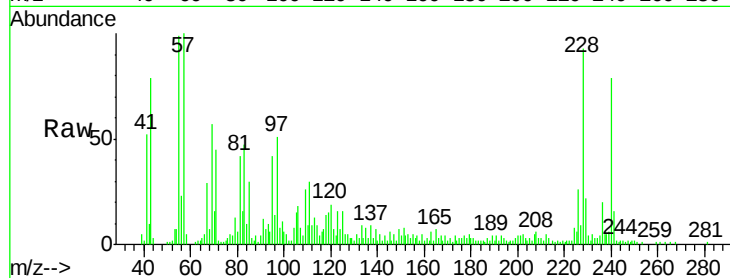
Tot Ion:228 Resp: 40556

Ion Ratio Lower Upper

228 100

226 28.2 20.0 30.0

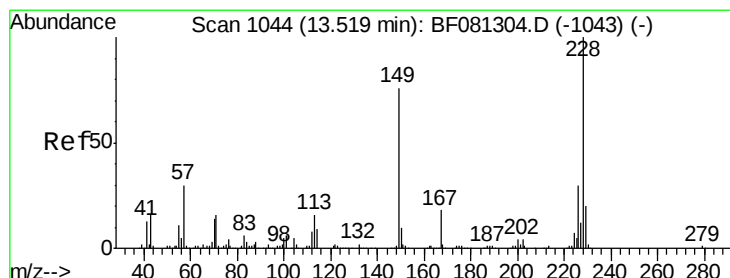
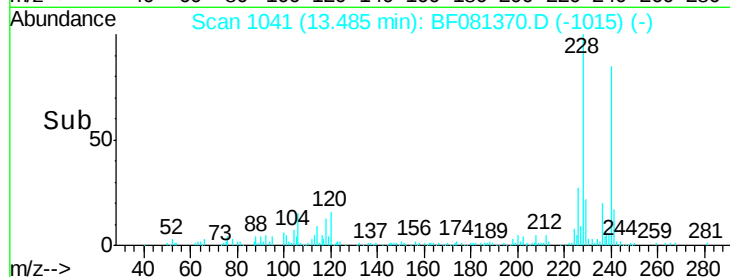
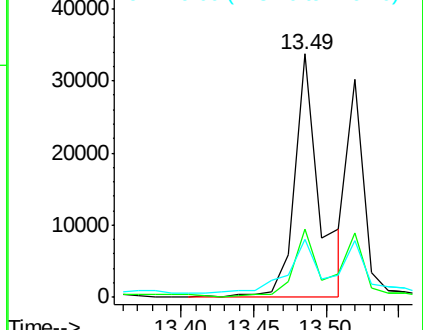
229 23.7 15.4 23.2#



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: 6.24 ng

RT: 13.49 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

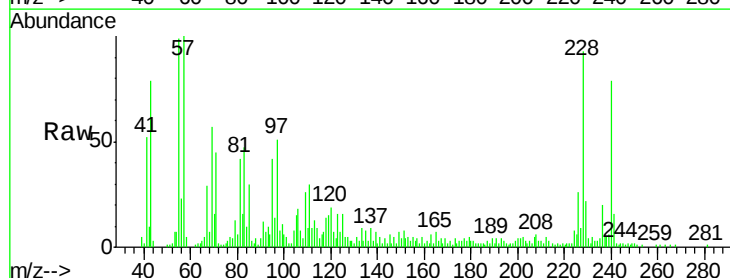
Tgt Ion:228 Resp: 40556

Ion Ratio Lower Upper

228 100

226 28.2 21.0 31.4

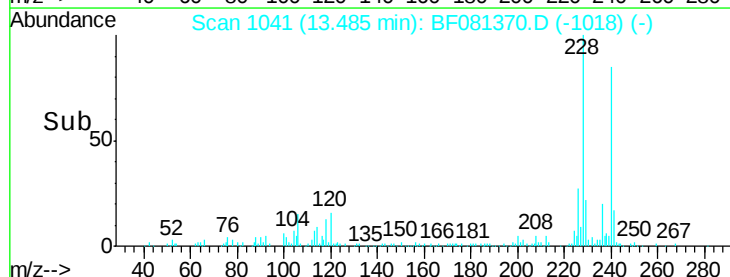
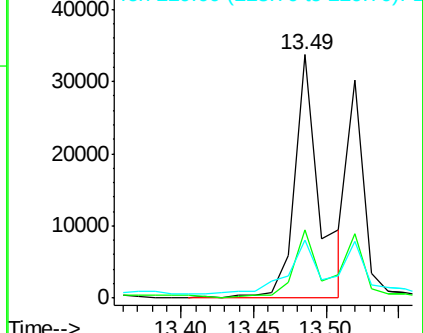
229 23.7 15.6 23.4#

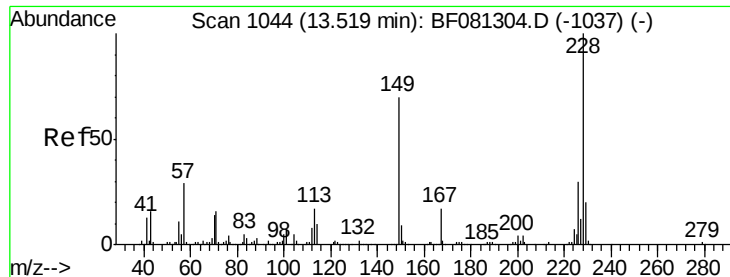


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

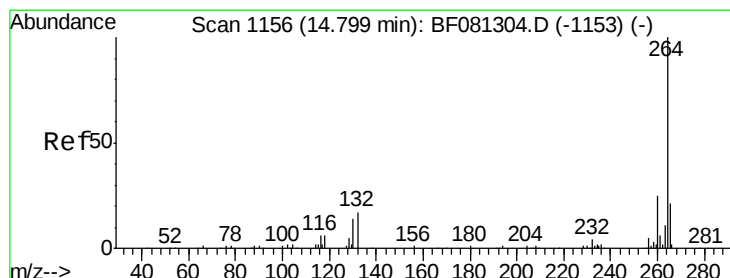
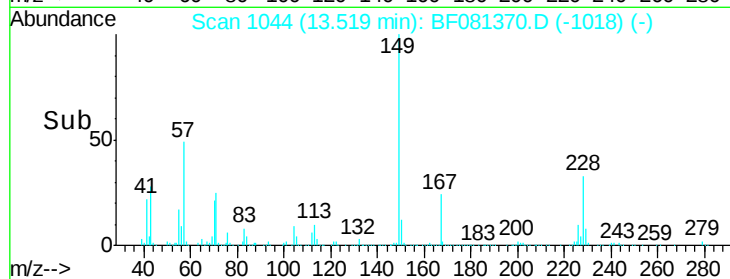
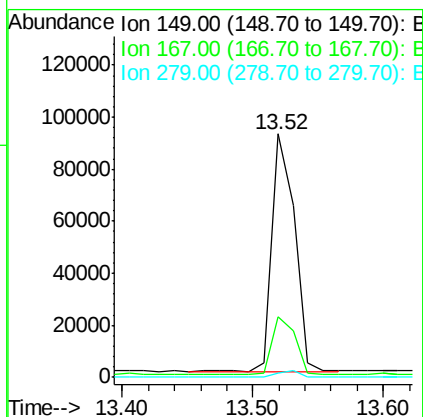
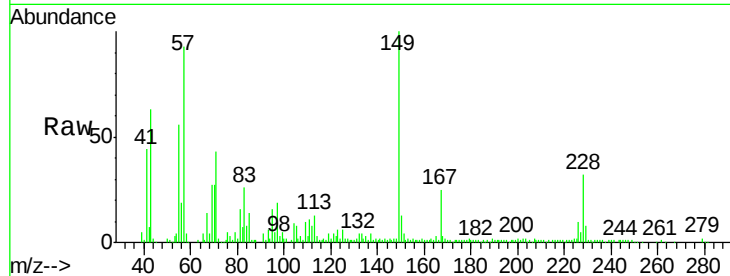




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.07 ng
 RT: 13.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

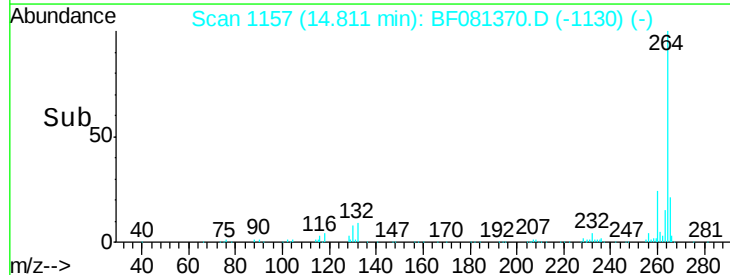
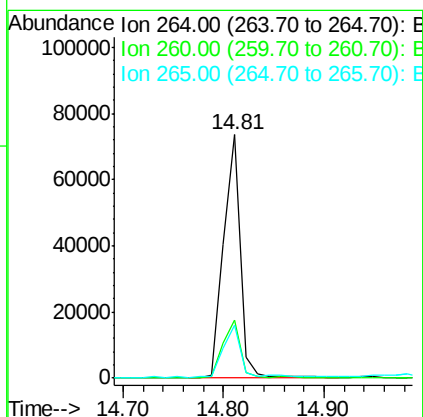
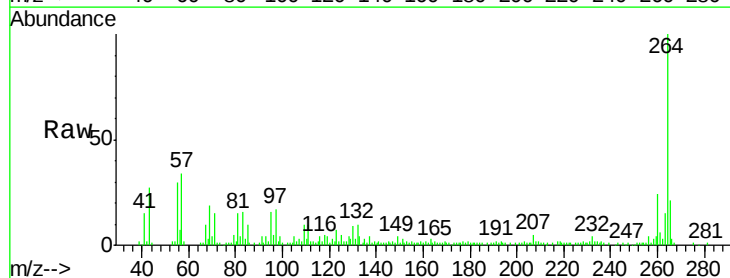
Instrument :
 BNA_F
 ClientSampleId :
 28TP22(4.5-5)

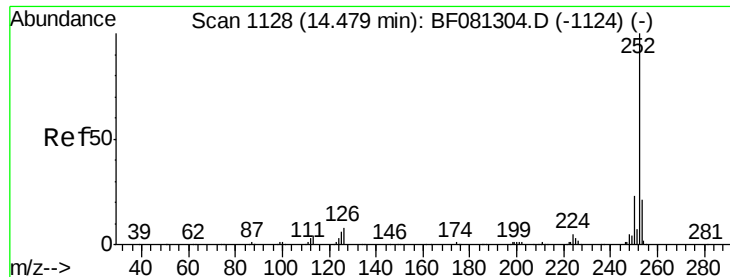
Tot Ion:149 Resp: 111671
 Ion Ratio Lower Upper
 149 100
 167 25.0 24.2 36.2
 279 1.6 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.81 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF081370.D
 Acq: 3 Sep 2015 2:25

Tgt Ion:264 Resp: 85709
 Ion Ratio Lower Upper
 264 100
 260 24.1 16.7 25.1
 265 21.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.05 ng

RT: 14.48 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

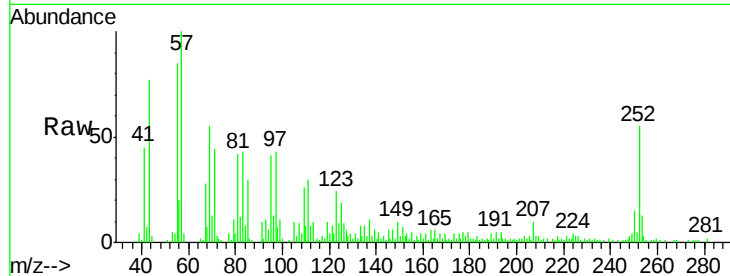
Tot Ion:252 Resp: 30896

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

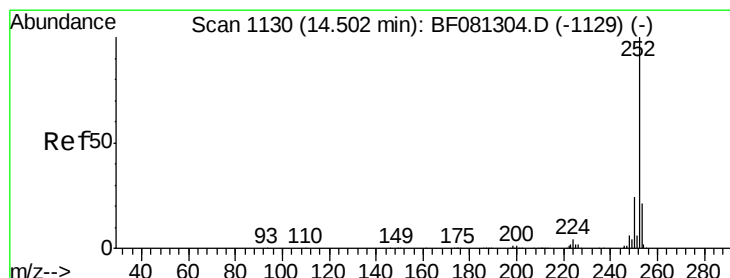
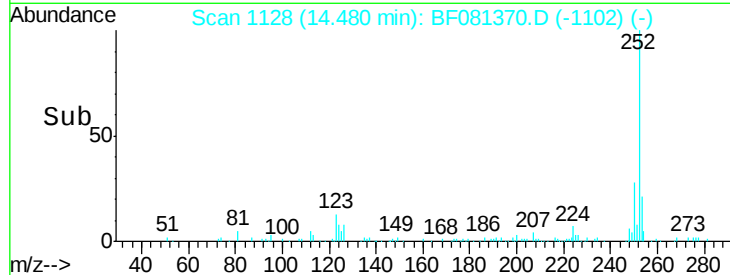
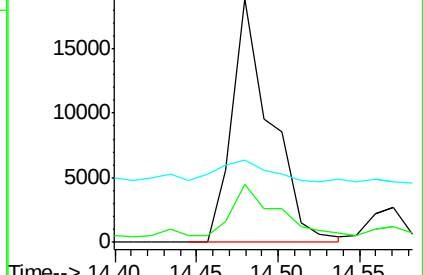
125 33.9 17.1 25.7#



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: 6.09 ng

RT: 14.48 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

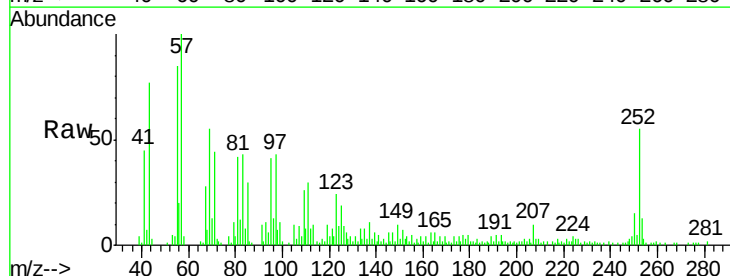
Tgt Ion:252 Resp: 30896

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

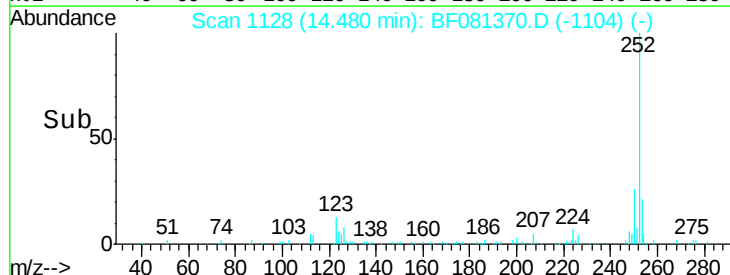
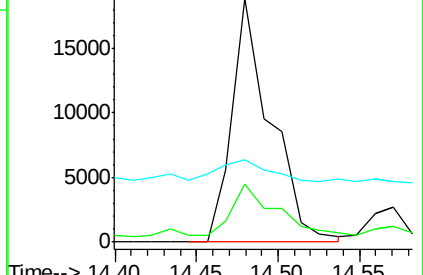
125 33.9 16.0 24.0#

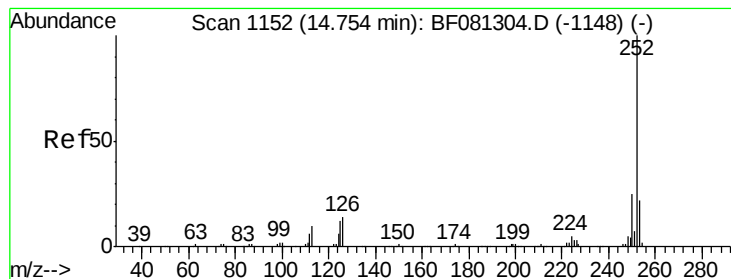


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.24 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

Instrument :

BNA_F

ClientSampleId :

28TP22(4.5-5)

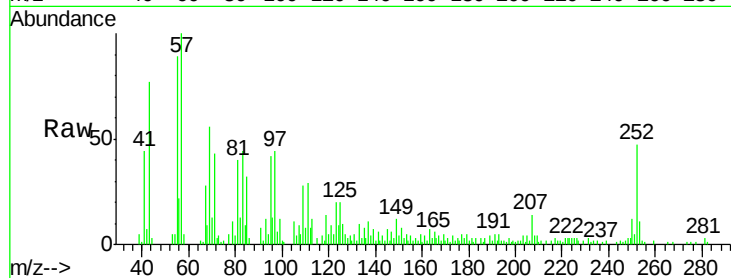
Tot Ion:252 Resp: 16792

Ion Ratio Lower Upper

252 100

253 24.4 17.2 25.8

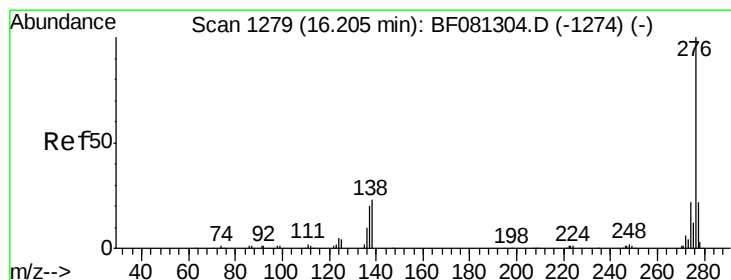
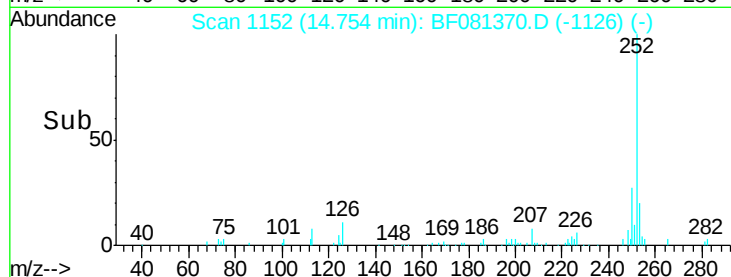
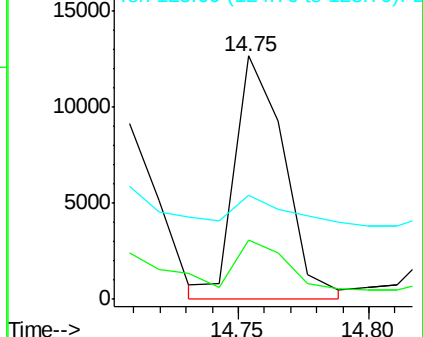
125 42.9 18.0 27.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.03 ng

RT: 16.22 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF081370.D

Acq: 3 Sep 2015 2:25

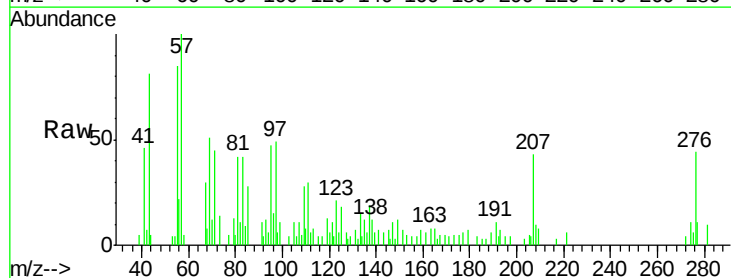
Tgt Ion:276 Resp: 7755

Ion Ratio Lower Upper

276 100

277 24.2 17.8 26.6

138 27.4 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

