

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081374.D
 Acq On : 3 Sep 2015 4:28
 Operator : UM/IZ
 Sample : G3497-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4

Quant Time: Sep 03 04:55:45 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

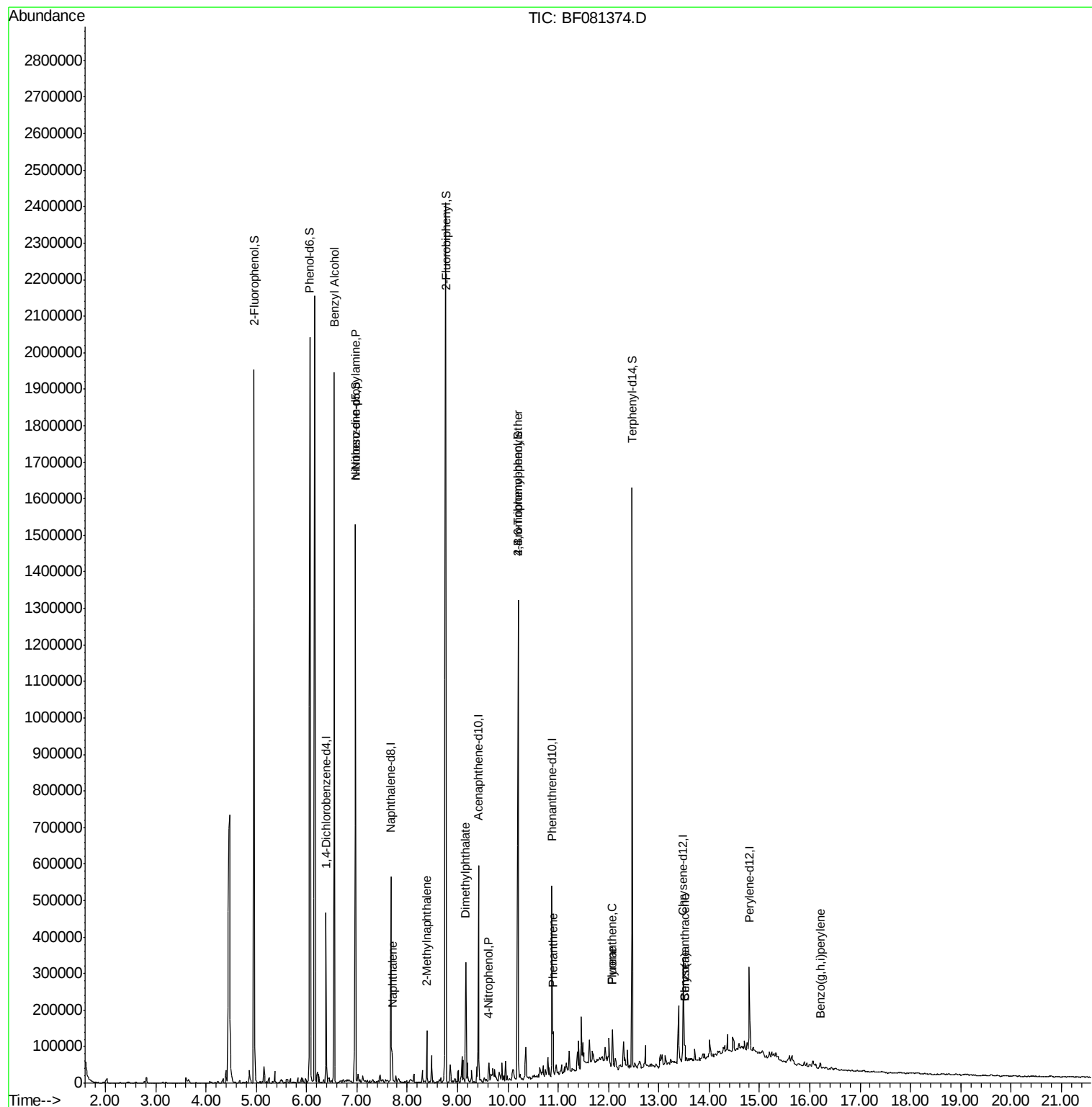
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	60341	20.00	ng	0.00
21) Naphthalene-d8	7.68	136	230847	20.00	ng	0.00
38) Acenaphthene-d10	9.42	164	102059	20.00	ng	0.00
63) Phenanthrene-d10	10.88	188	175068	20.00	ng	0.00
75) Chrysene-d12	13.49	240	109829	20.00	ng	-0.01
86) Perylene-d12	14.80	264	85208	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	595731	153.18	ng	0.03
7) Phenol-d6	6.07	99	728123	141.44	ng	0.01
23) Nitrobenzene-d5	6.97	82	532816	111.36	ng	0.00
41) 2,4,6-Tribromophenol	10.20	330	129433	142.43	ng	0.00
44) 2-Fluorobiphenyl	8.76	172	818792	102.81	ng	0.00
78) Terphenyl-d14	12.47	244	473302	100.32	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.55	79	9524	2.26	ng	# 33
19) n-Nitroso-di-n-propylamine	6.97	70	74353	21.22	ng	# 62
31) Naphthalene	7.70	128	39018	3.17	ng	# 98
37) 2-Methylnaphthalene	8.39	142	33574	4.19	ng	# 90
49) Dimethylphthalate	9.16	163	120436	15.19	ng	# 97
55) 4-Nitrophenol	9.62	139	5432	4.22	ng	# 30
66) 4-Bromophenyl-phenylether	10.20	248	10277	5.81	ng	# 1
70) Phenanthrene	10.90	178	40066	4.12	ng	# 97
74) Fluoranthene	12.08	202	36567	3.47	ng	# 88
77) Pyrene	12.08	202	36567	4.49	ng	# 98
80) Benzo(a)anthracene	13.52	228	31162	4.46	ng	# 85
82) Chrysene	13.52	228	31162	4.97	ng	# 87
91) Benzo(a,h,i)perylene	16.21	276	7832	2.06	ng	# 78

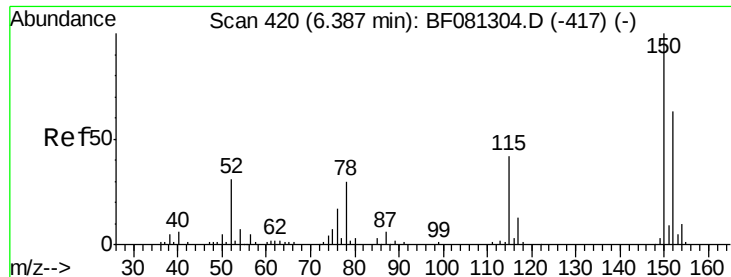
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

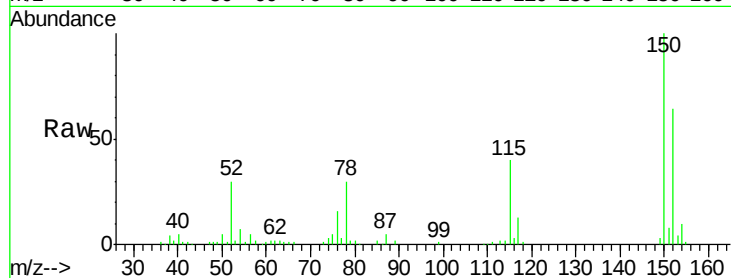
Tot Ion:152 Resp: 60341

Ion Ratio Lower Upper

152 100

150 156.7 124.7 187.1

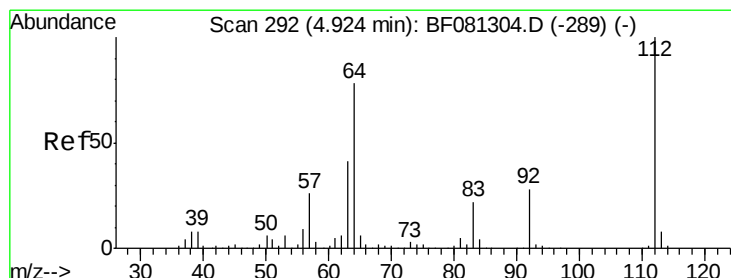
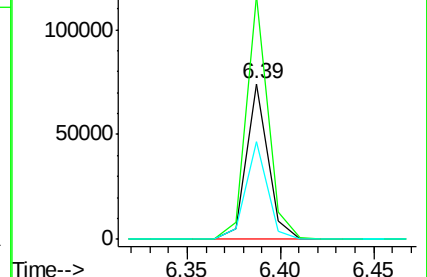
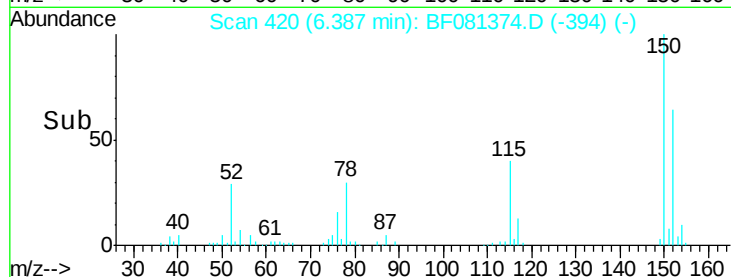
115 62.7 39.0 58.4#



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: 153.18 ng

RT: 4.96 min Scan# 295

Delta R.T. 0.03 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

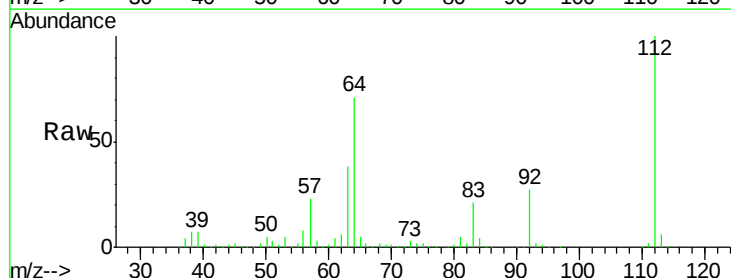
Tgt Ion:112 Resp: 595731

Ion Ratio Lower Upper

112 100

64 70.6 39.7 59.5#

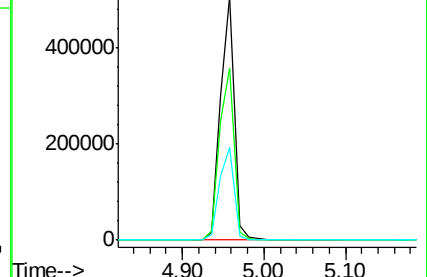
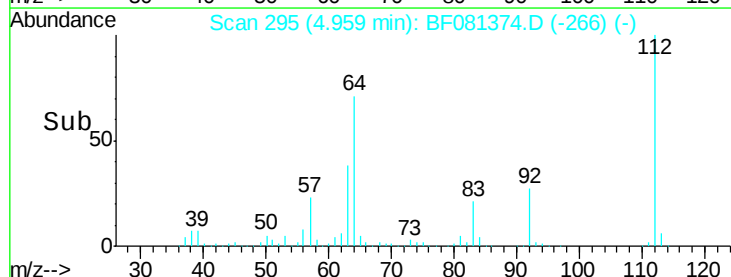
63 37.8 17.4 26.0#

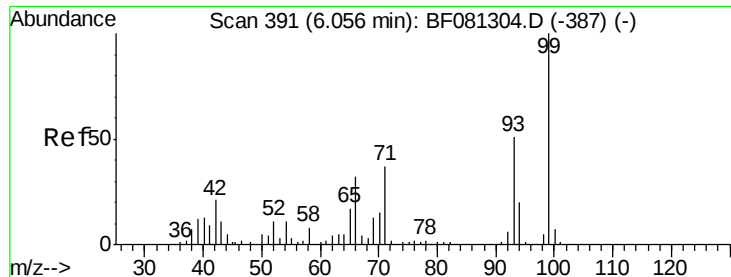


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.44 ng

RT: 6.07 min Scan# 392

Delta R.T. 0.01 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

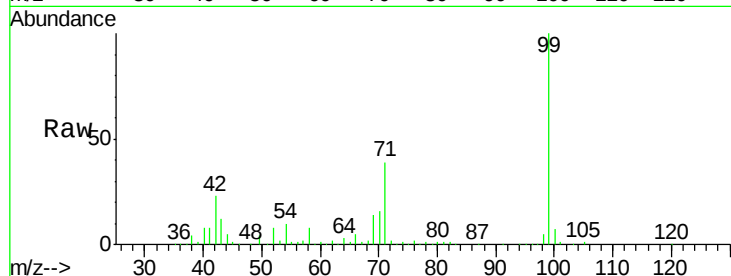
Tot Ion: 99 Resp: 728123

Ion Ratio Lower Upper

99 100

42 22.7 13.7 20.5#

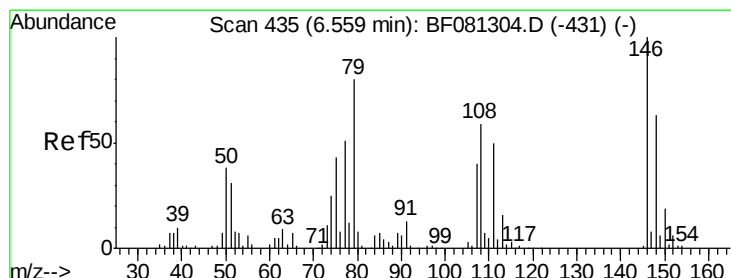
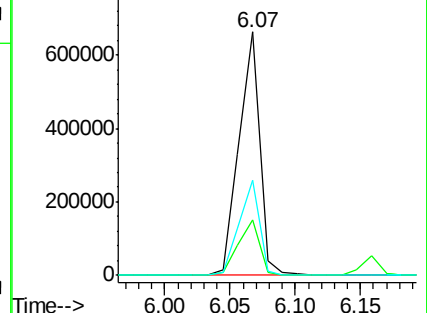
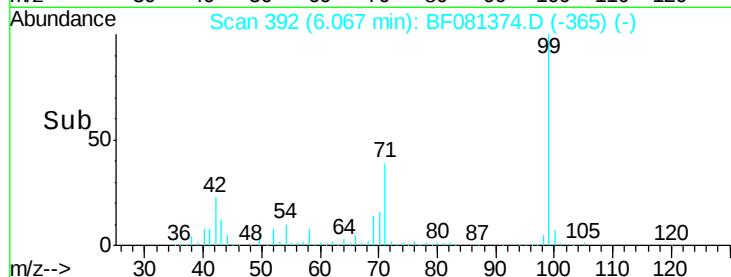
71 38.8 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

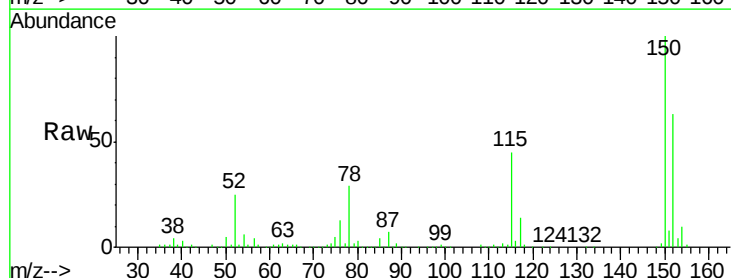
Tgt Ion: 79 Resp: 9524

Ion Ratio Lower Upper

79 100

108 28.4 88.6 132.8#

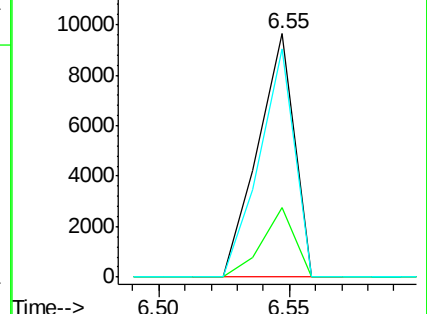
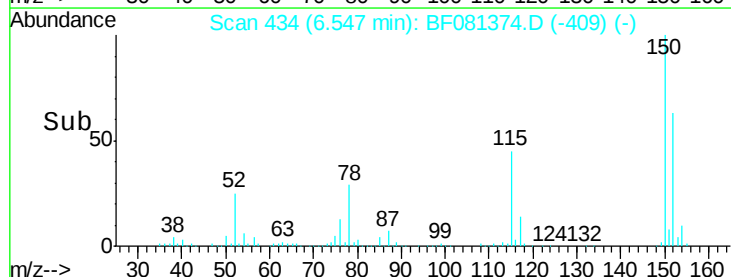
77 93.9 47.0 70.4#

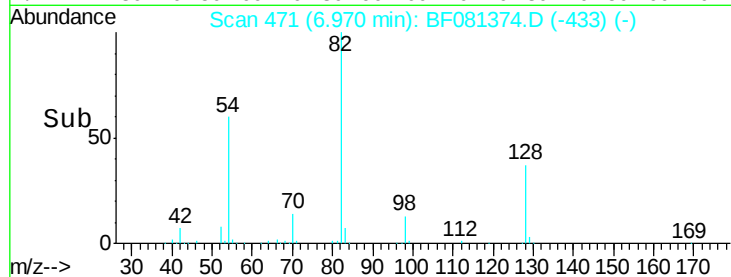
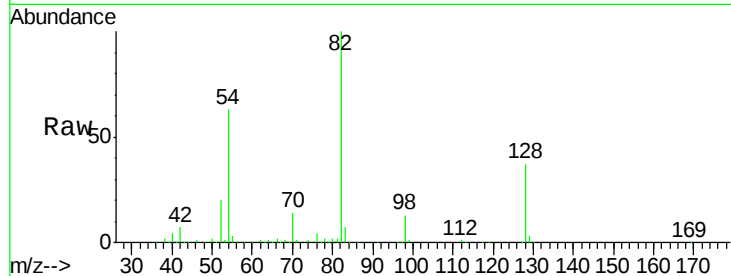
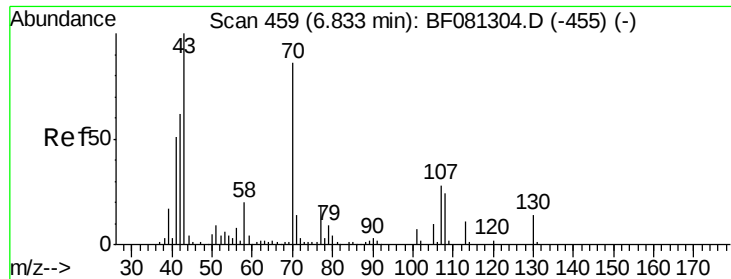


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

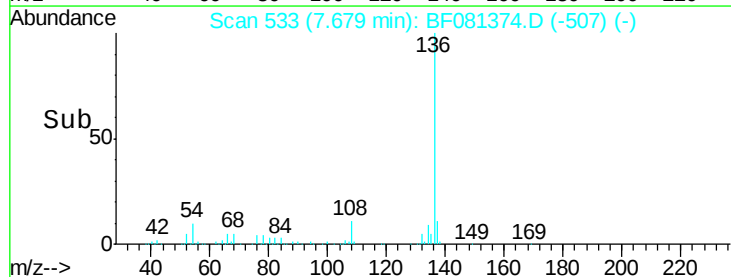
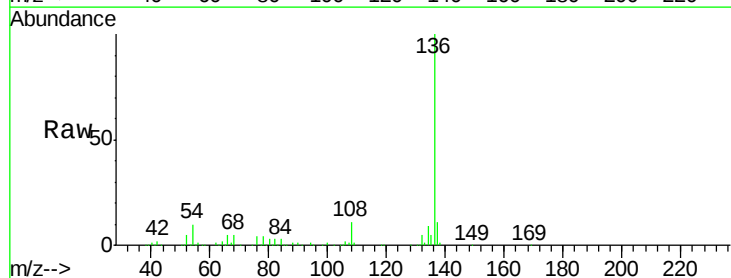
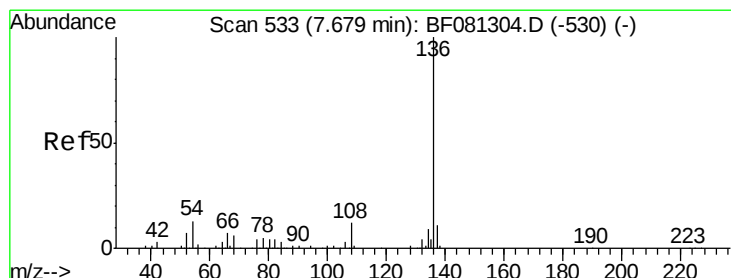
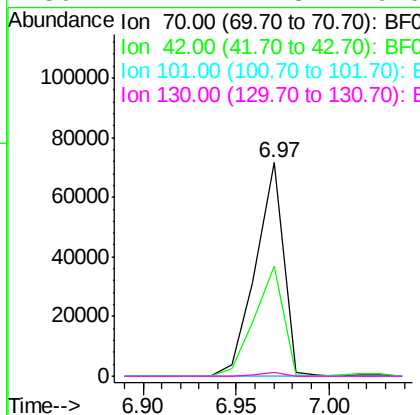




#19
n-Nitroso-di-n-propylamine
Concen: 21.22 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.14 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

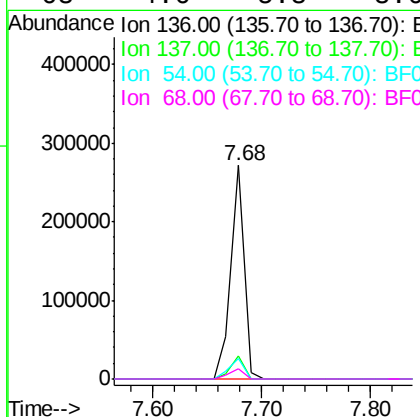
Instrument :
BNA_F
ClientSampleId :
B4

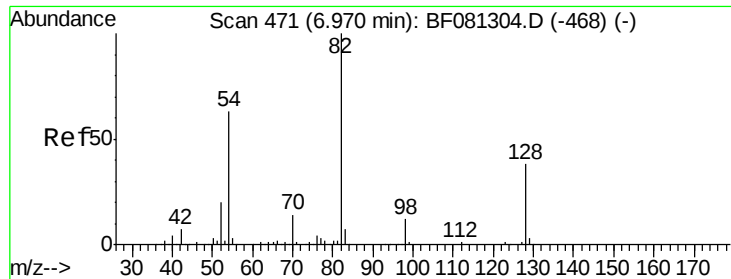
Tot Ion: 70 Resp: 74353
Ion Ratio Lower Upper
70 100
42 51.7 63.8 95.6#
101 0.0 9.2 13.8#
130 1.7 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

Tgt Ion: 136 Resp: 230847
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.6 8.2 12.2
68 4.6 5.8 8.6#

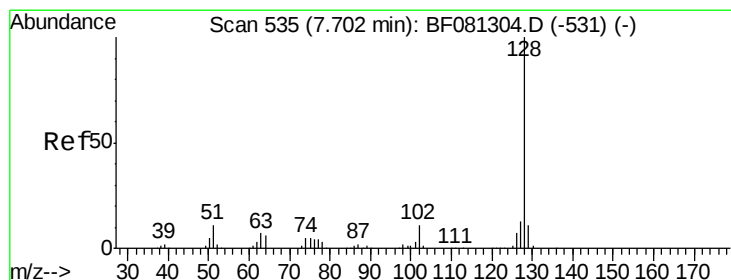
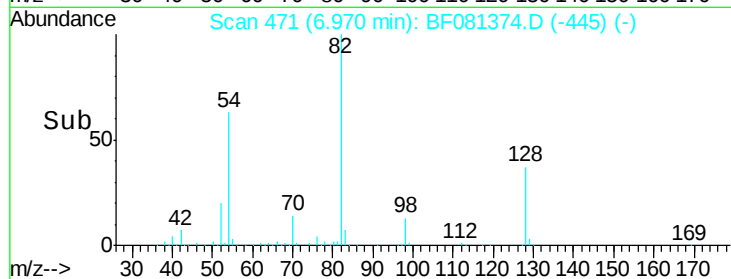
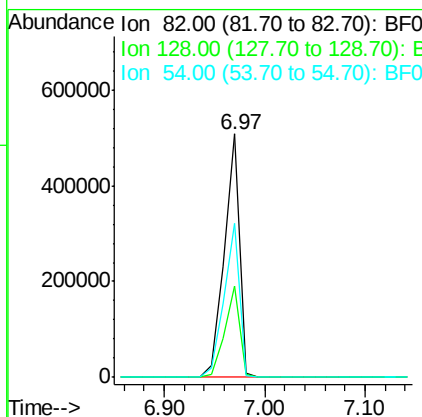
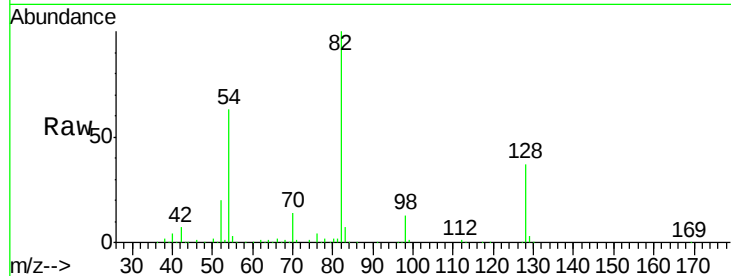




#23
Nitrobenzene-d5
Concen: 111.36 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

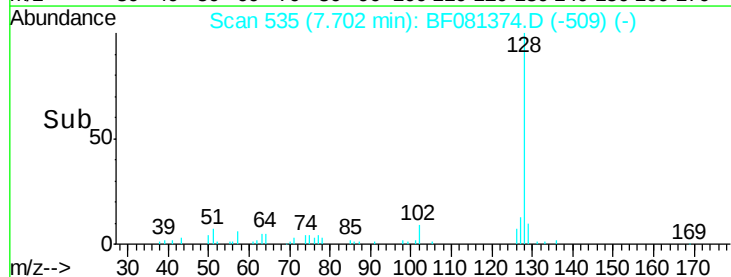
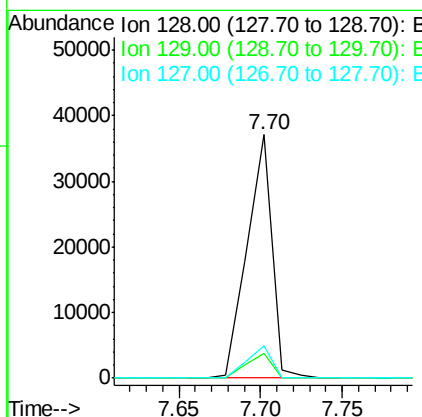
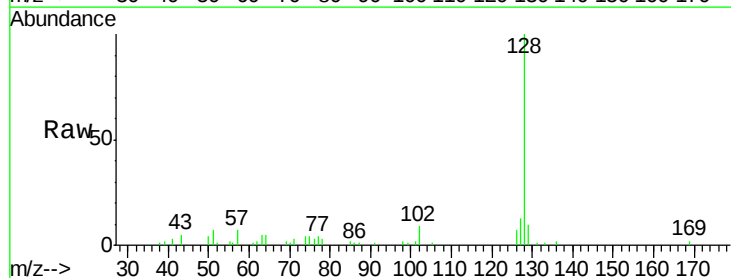
Instrument :
BNA_F
ClientSampleId :
B4

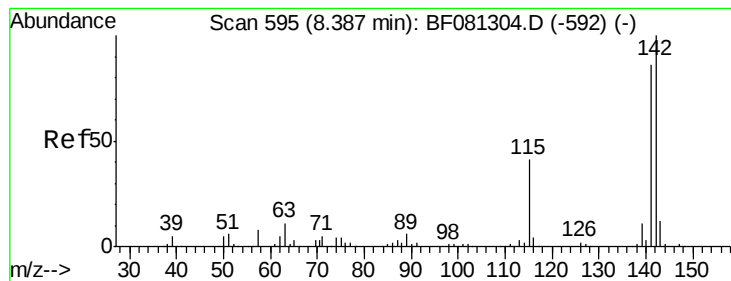
Tot Ion: 82 Resp: 532816
Ion Ratio Lower Upper
82 100
128 37.4 51.0 76.6#
54 63.2 47.5 71.3



#31
Naphthalene
Concen: 3.17 ng
RT: 7.70 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

Tgt Ion: 128 Resp: 39018
Ion Ratio Lower Upper
128 100
129 10.0 8.4 12.6
127 13.2 9.9 14.9

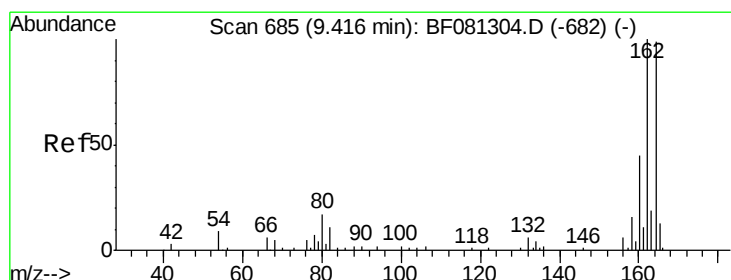
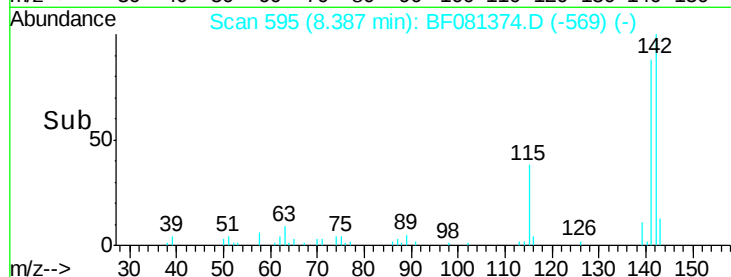
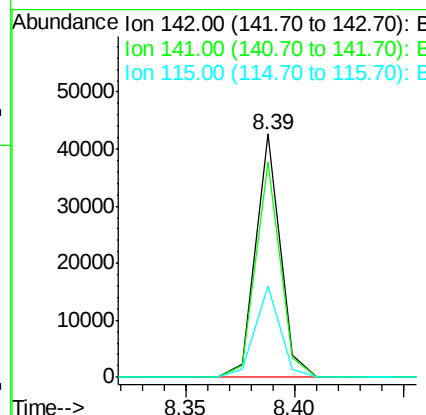
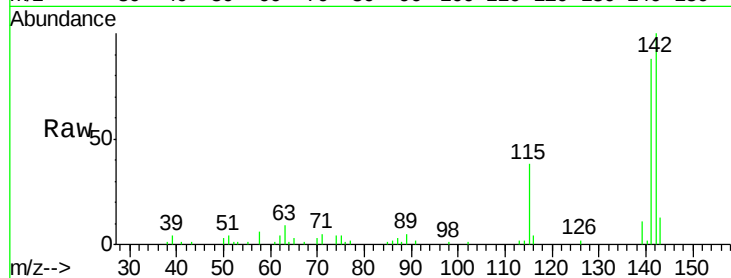




#37
 2-Methylnaphthalene
 Concen: 4.19 ng
 RT: 8.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BF081374.D
 Acq: 3 Sep 2015 4:28

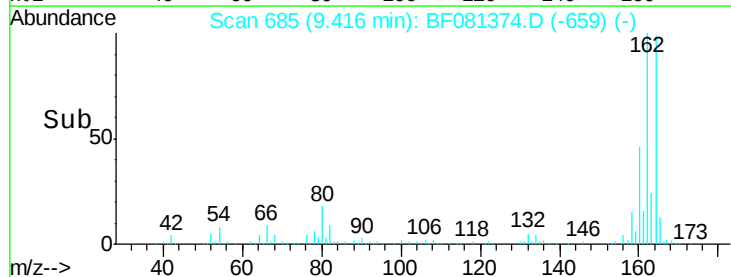
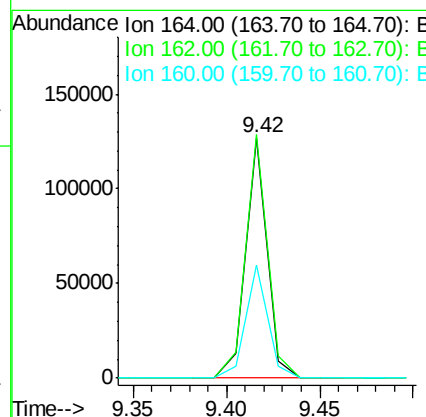
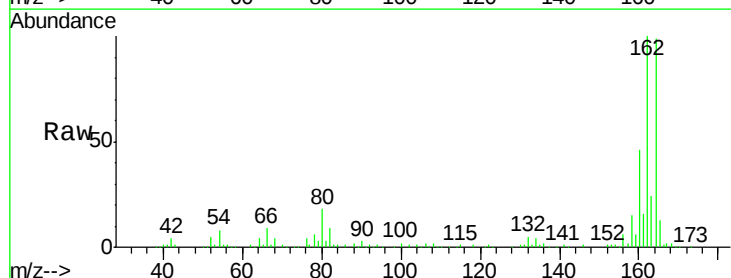
Instrument :
 BNA_F
 ClientSampled :
 B4

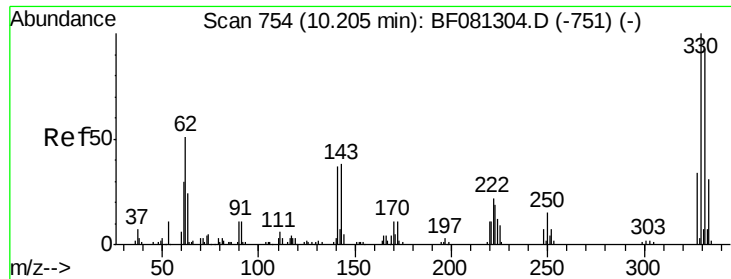
Tot Ion:142 Resp: 33574
 Ion Ratio Lower Upper
 142 100
 141 88.3 67.5 101.3
 115 37.7 18.2 27.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF081374.D
 Acq: 3 Sep 2015 4:28

Tgt Ion:164 Resp: 102059
 Ion Ratio Lower Upper
 164 100
 162 101.4 75.2 112.8
 160 47.1 31.5 47.3

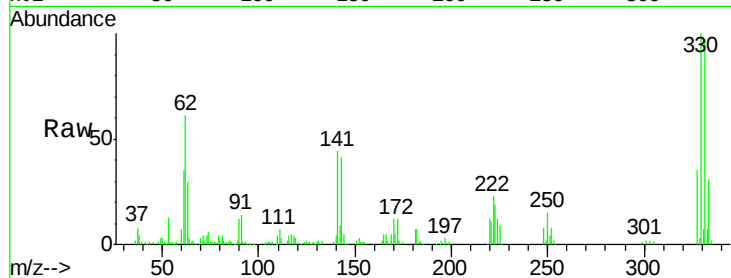




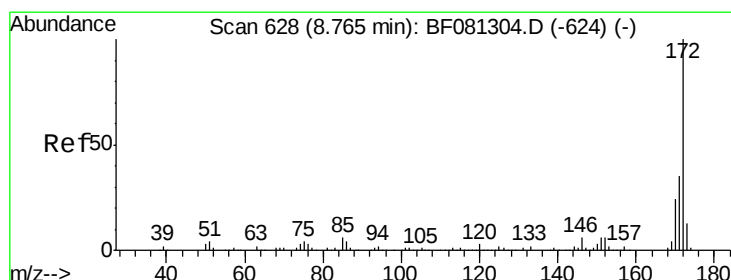
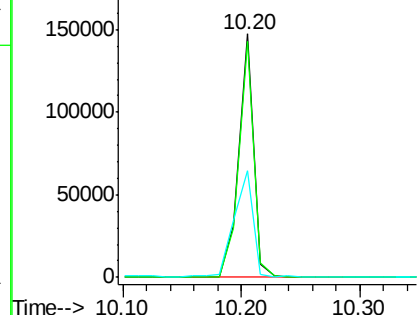
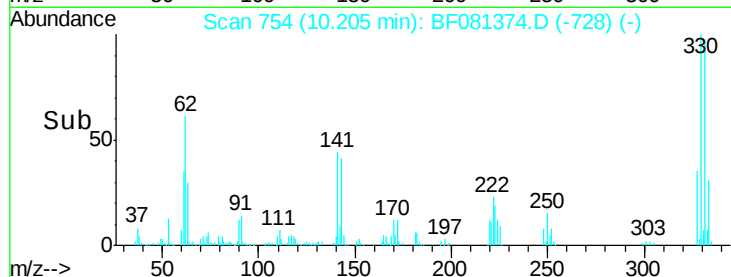
#41
 2,4,6-Tribromophenol
 Concen: 142.43 ng
 RT: 10.20 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF081374.D
 Acq: 3 Sep 2015 4:28

Instrument :
 BNA_F
 ClientSampleId :
 B4

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	56.6	29.7	44.5#

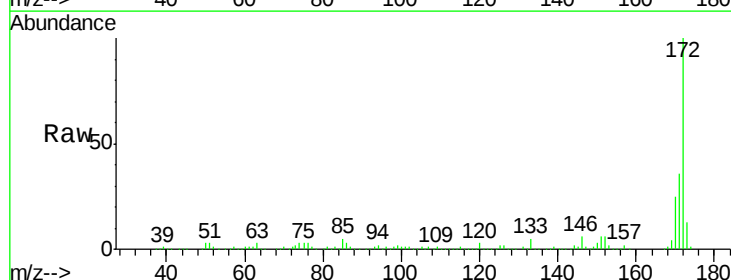


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

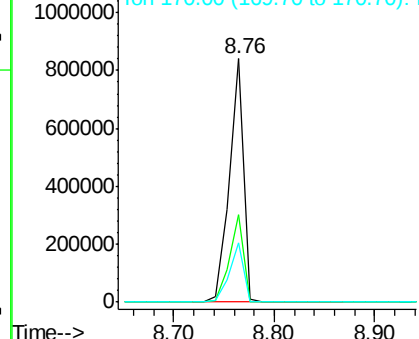
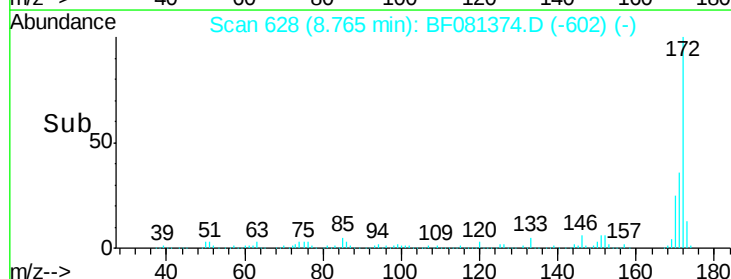


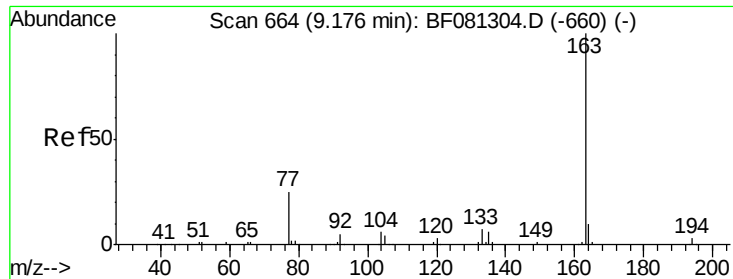
#44
 2-Fluorobiphenyl
 Concen: 102.81 ng
 RT: 8.76 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081374.D
 Acq: 3 Sep 2015 4:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	26.1	39.1
170	24.6	17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

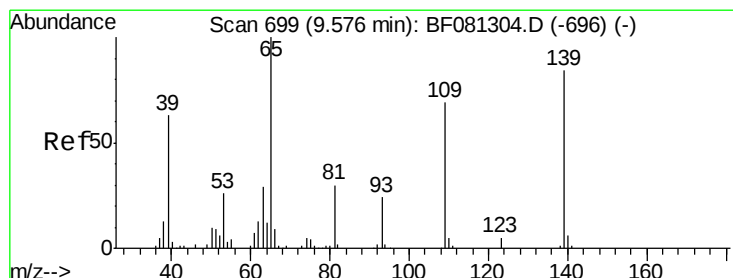
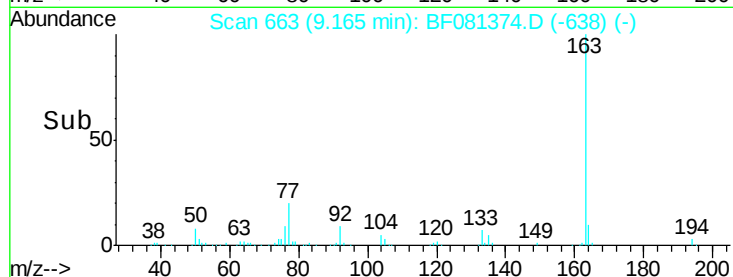
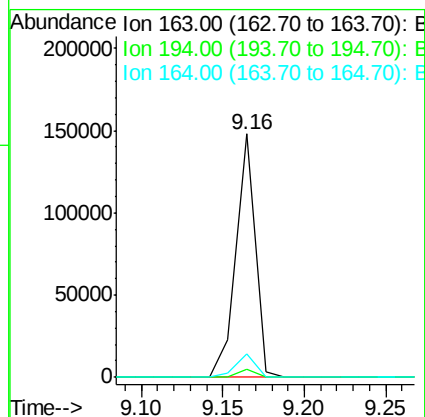
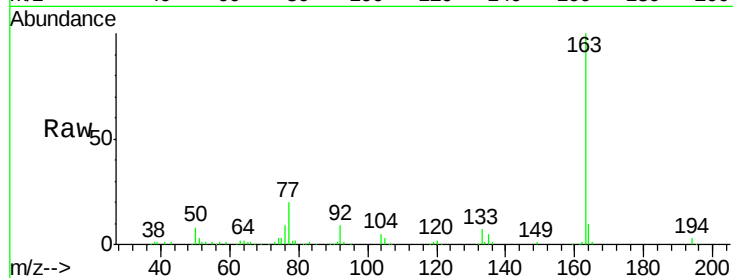




#49
Dimethylphthalate
Concen: 15.19 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

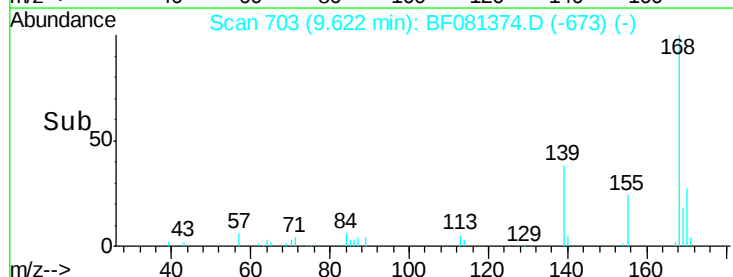
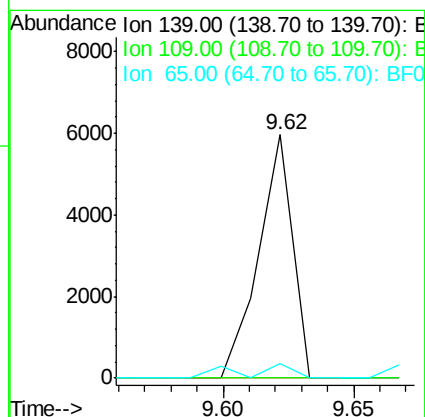
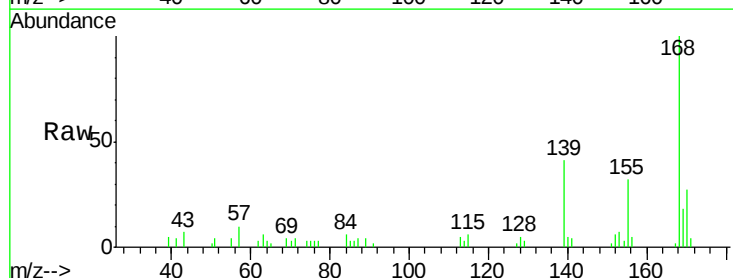
Instrument :
BNA_F
ClientSampleId :
B4

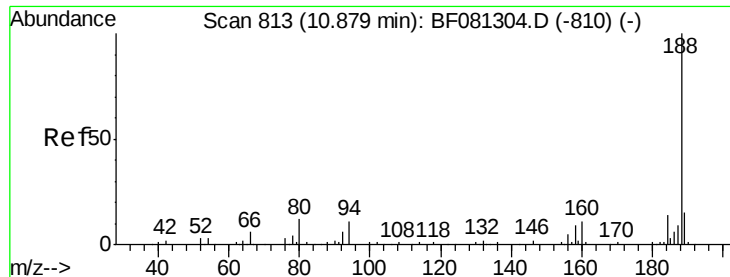
Tot Ion:163 Resp: 120436
Ion Ratio Lower Upper
163 100
194 3.3 4.4 6.6#
164 9.9 8.3 12.5



#55
4-Nitrophenol
Concen: 4.22 ng
RT: 9.62 min Scan# 703
Delta R.T. 0.05 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

Tgt Ion:139 Resp: 5432
Ion Ratio Lower Upper
139 100
109 0.0 12.7 52.7#
65 5.9 45.9 85.9#

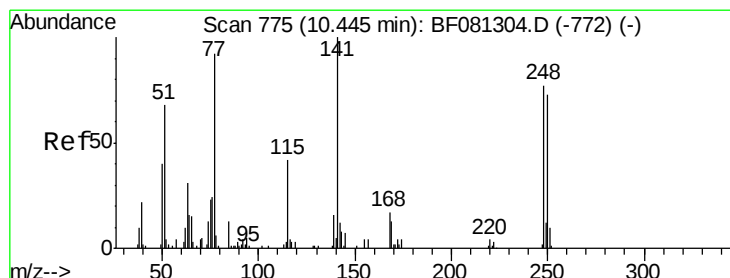
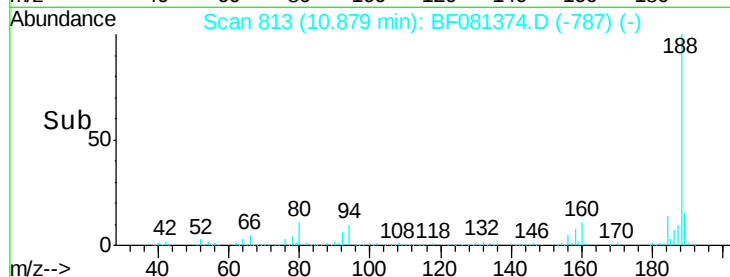
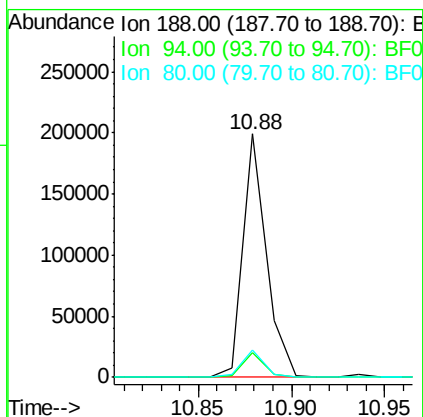
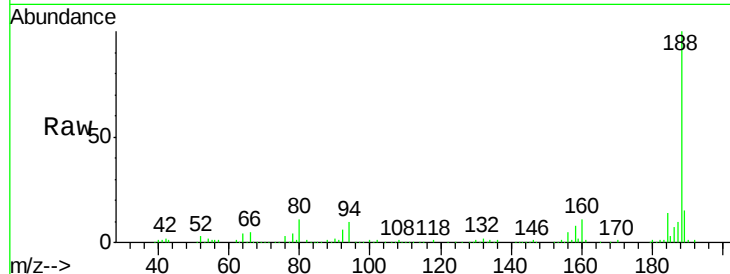




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

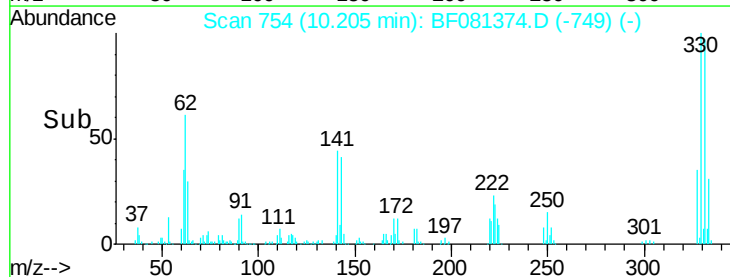
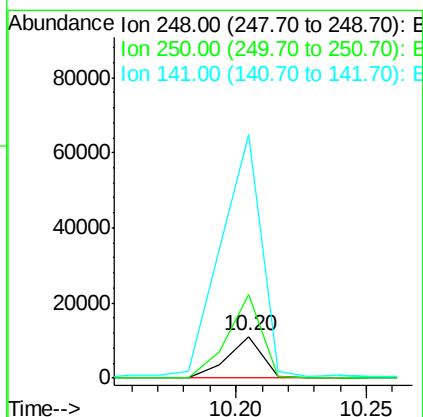
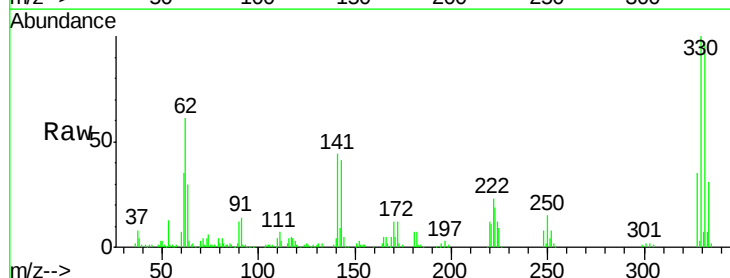
Instrument :
BNA_F
ClientSampleId :
B4

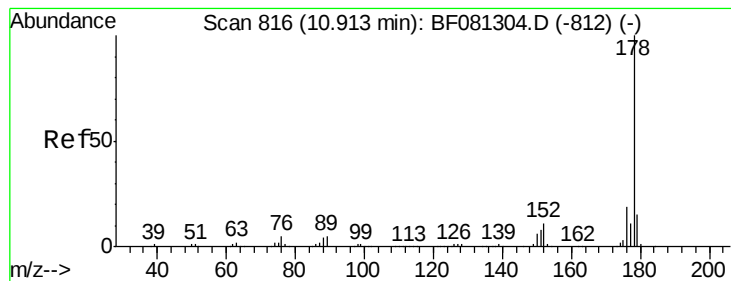
Tot Ion:188 Resp: 175068
Ion Ratio Lower Upper
188 100
94 9.9 11.1 16.7#
80 11.5 11.0 16.4



#66
4-Bromophenyl-phenylether
Concen: 5.81 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.24 min
Lab File: BF081374.D
Acq: 3 Sep 2015 4:28

Tgt Ion:248 Resp: 10277
Ion Ratio Lower Upper
248 100
250 201.0 78.5 117.7#
141 585.6 59.0 88.6#





#70

Phenanthrene

Concen: 4.12 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

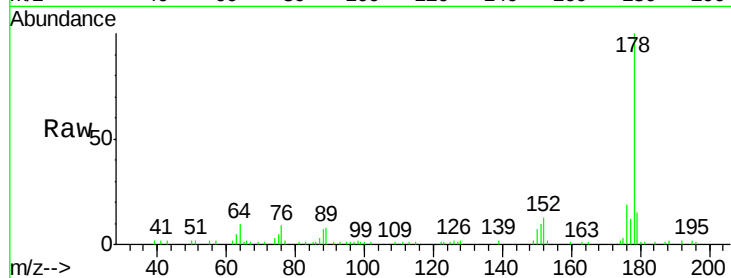
Tot Ion:178 Resp: 40066

Ion Ratio Lower Upper

178 100

176 19.2 13.8 20.8

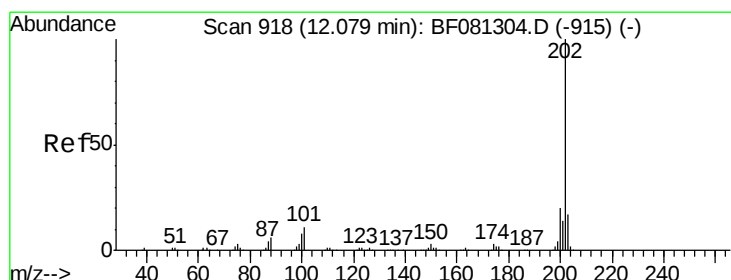
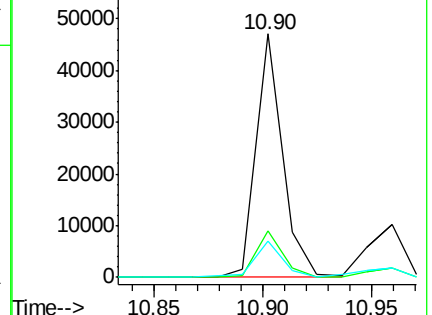
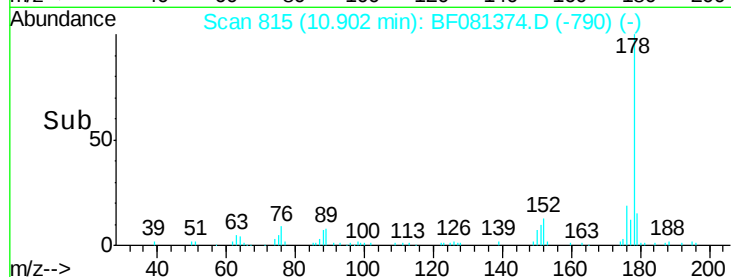
179 14.9 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.47 ng

RT: 12.08 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

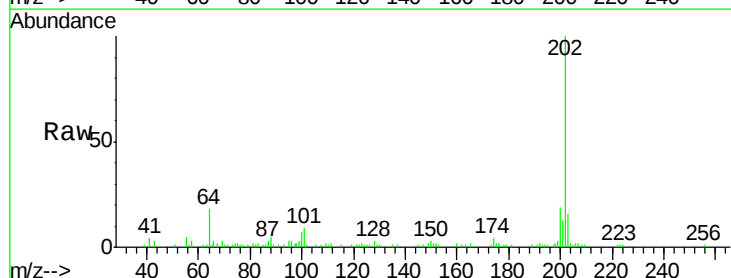
Tgt Ion:202 Resp: 36567

Ion Ratio Lower Upper

202 100

101 9.3 0.0 38.3

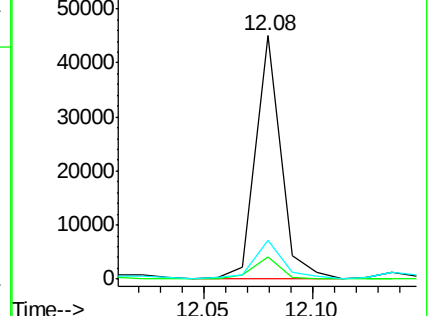
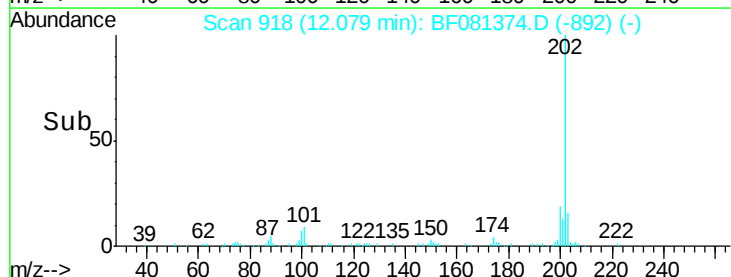
203 16.2 0.0 37.3

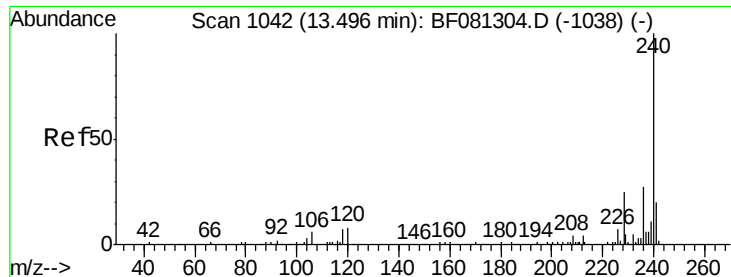


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.49 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

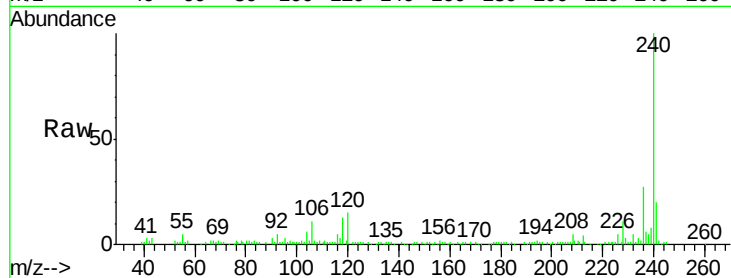
Tot Ion:240 Resp: 109829

Ion Ratio Lower Upper

240 100

120 14.6 16.2 24.2#

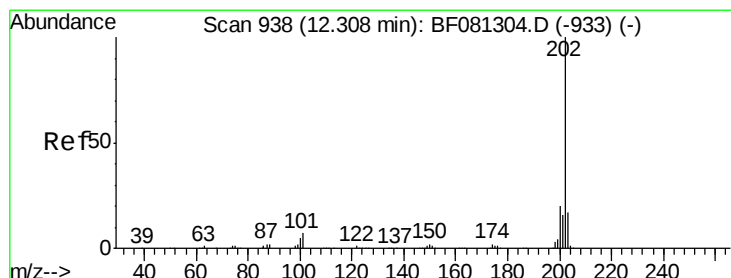
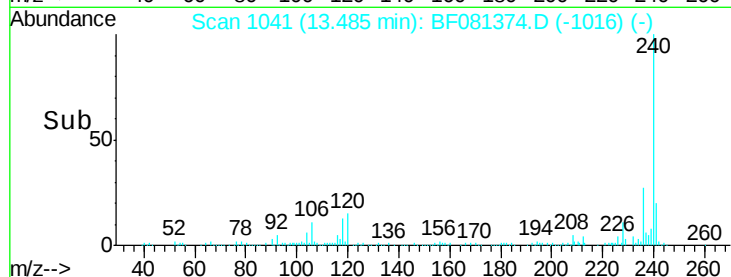
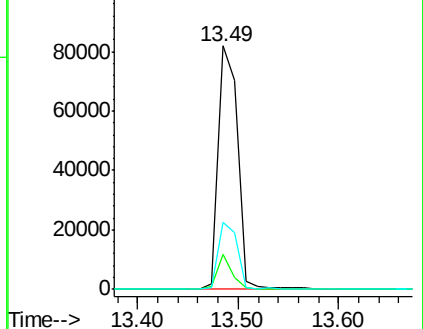
236 27.3 18.4 27.6



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: 4.49 ng

RT: 12.08 min Scan# 918

Delta R.T. -0.23 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

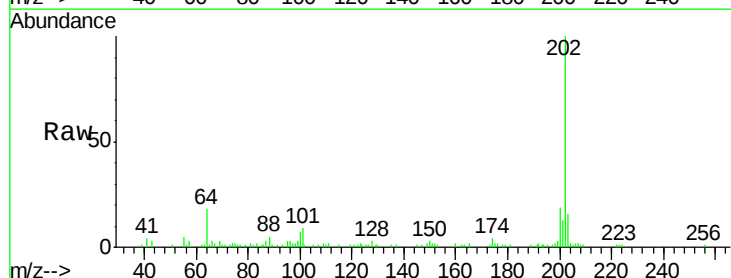
Tgt Ion:202 Resp: 36567

Ion Ratio Lower Upper

202 100

200 19.0 15.0 22.4

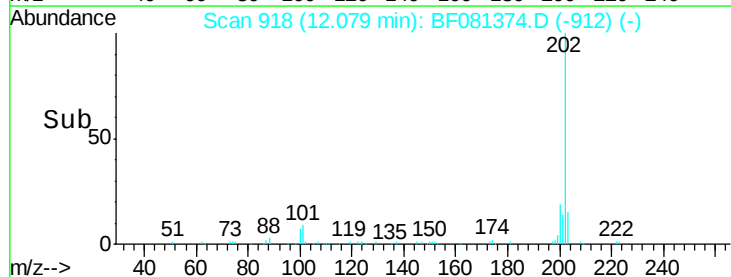
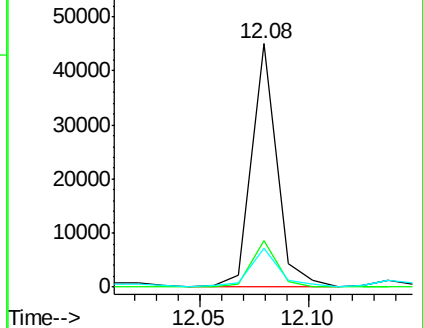
203 16.2 14.1 21.1

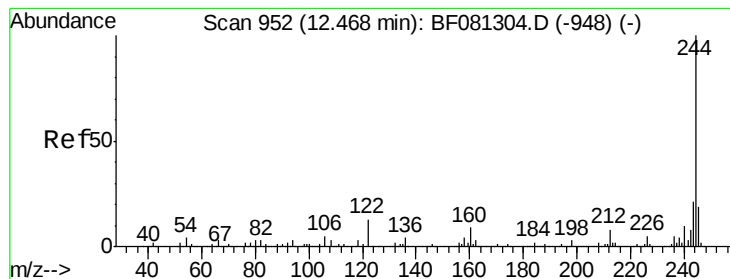


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 100.32 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

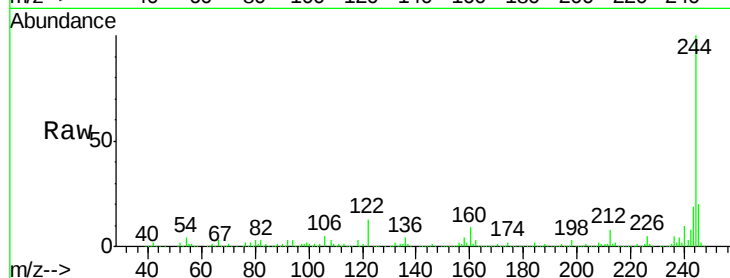
Tot Ion:244 Resp: 473302

Ion Ratio Lower Upper

244 100

212 7.9 4.3 6.5#

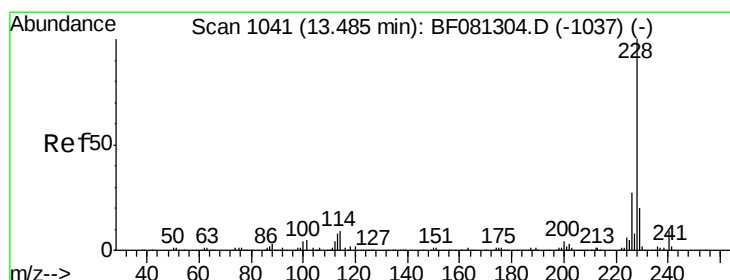
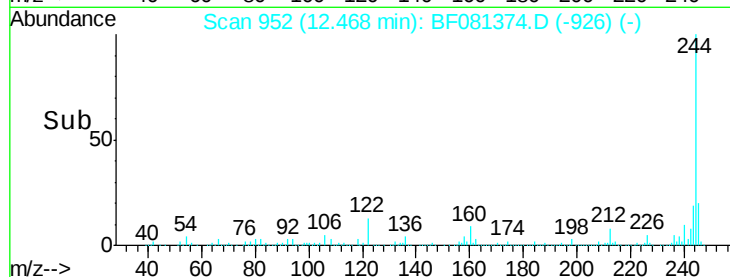
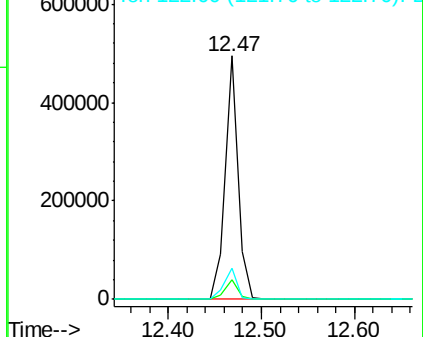
122 12.8 17.4 26.2#



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: 4.46 ng

RT: 13.52 min Scan# 1044

Delta R.T. 0.03 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

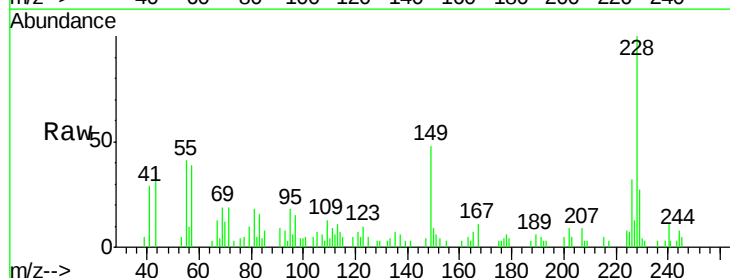
Tgt Ion:228 Resp: 31162

Ion Ratio Lower Upper

228 100

226 31.7 20.0 30.0#

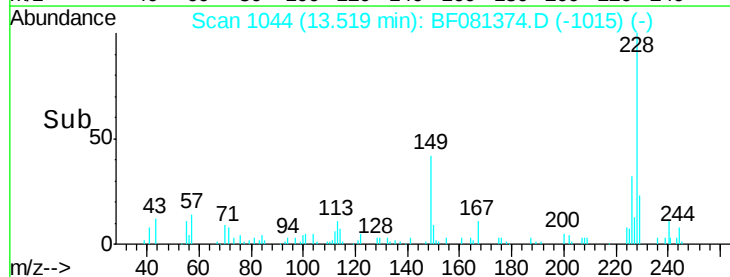
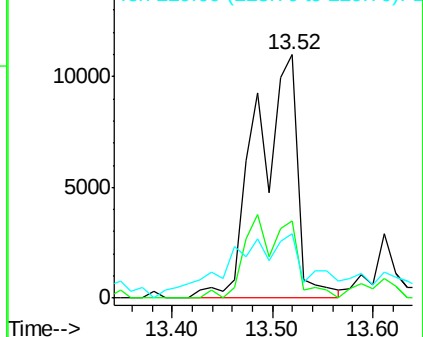
229 26.7 15.4 23.2#

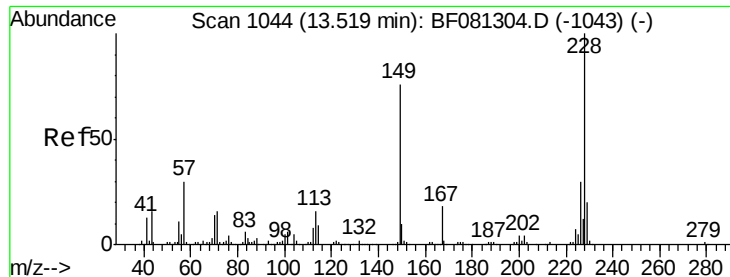


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.97 ng

RT: 13.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

Instrument :

BNA_F

ClientSampleId :

B4

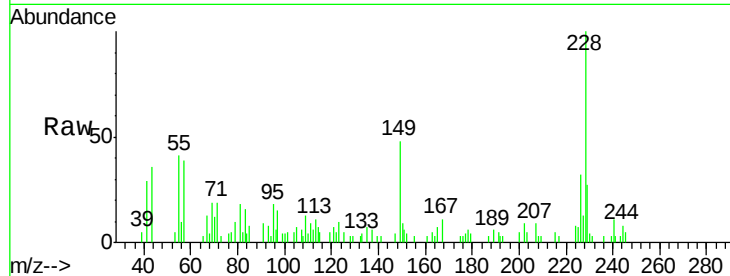
Tot Ion:228 Resp: 31162

Ion Ratio Lower Upper

228 100

226 31.7 21.0 31.4#

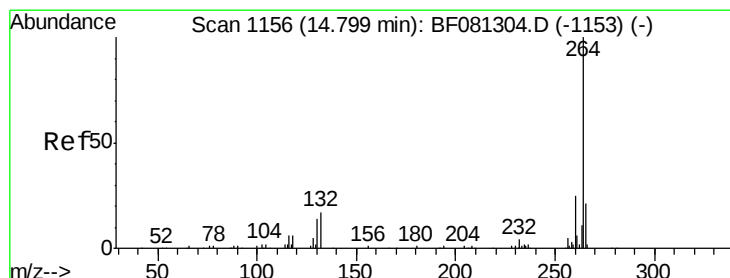
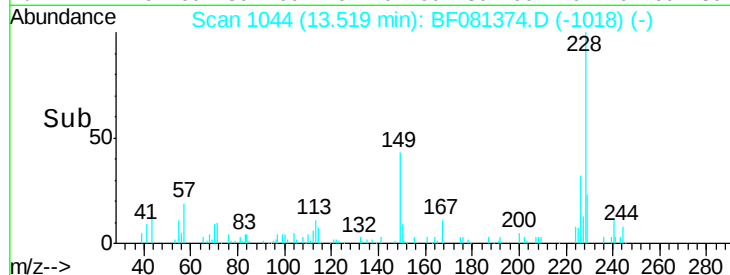
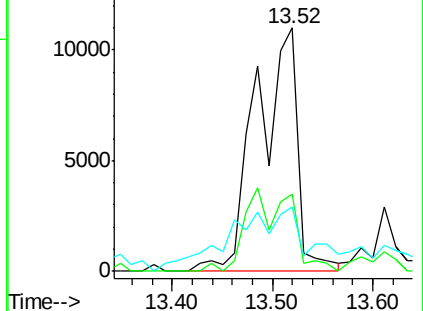
229 26.7 15.6 23.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF081374.D

Acq: 3 Sep 2015 4:28

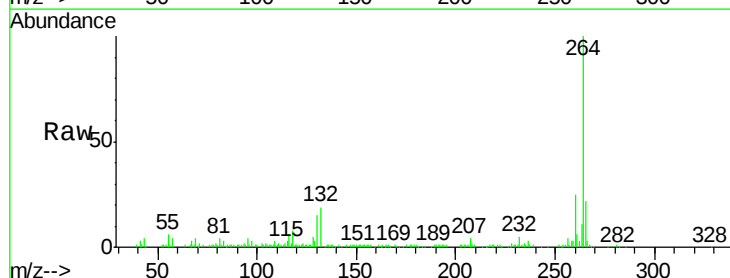
Tgt Ion:264 Resp: 85208

Ion Ratio Lower Upper

264 100

260 24.5 16.7 25.1

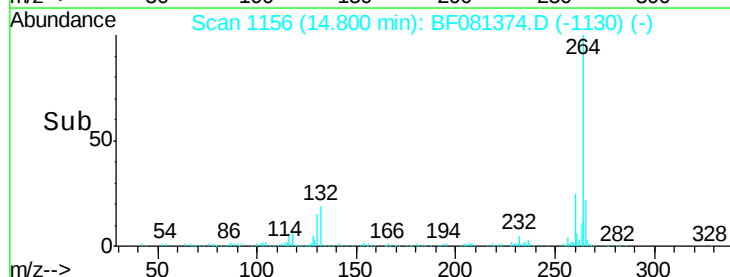
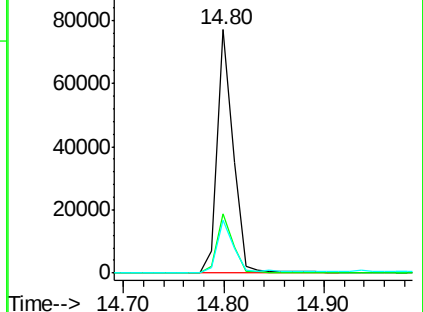
265 21.5 17.2 25.8

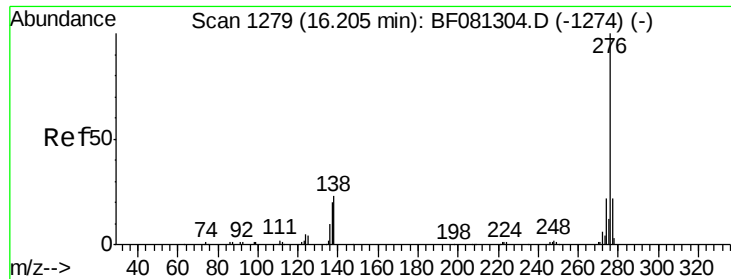


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.06 ng
 RT: 16.21 min Scan# 1279
 Delta R.T. 0.00 min
 Lab File: BF081374.D
 Acq: 3 Sep 2015 4:28

Instrument :
 BNA_F
 ClientSampleId :
 B4

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.8	26.6
138	22.7	34.6	51.8

