

Data Path : Z:\HPCHEM1\BNA_F\Data\BF081815\
 Data File : BF081073.D
 Acq On : 19 Aug 2015 8:30
 Operator : UM/IZ
 Sample : G3239-03DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPDL

Quant Time: Aug 19 12:50:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	58917	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	221651	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	111589	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	239413	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	160259	20.00	ng	-0.02
86) Perylene-d12	15.07	264	131249	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	94695	24.17	ng	-0.02
7) Phenol-d6	6.24	99	130416	25.52	ng	-0.02
23) Nitrobenzene-d5	7.16	82	81669	16.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.41	330	23159	23.94	ng	-0.03
44) 2-Fluorobiphenyl	8.97	172	143754	16.88	ng	-0.02
78) Terphenyl-d14	12.68	244	123720	16.55	ng	-0.02

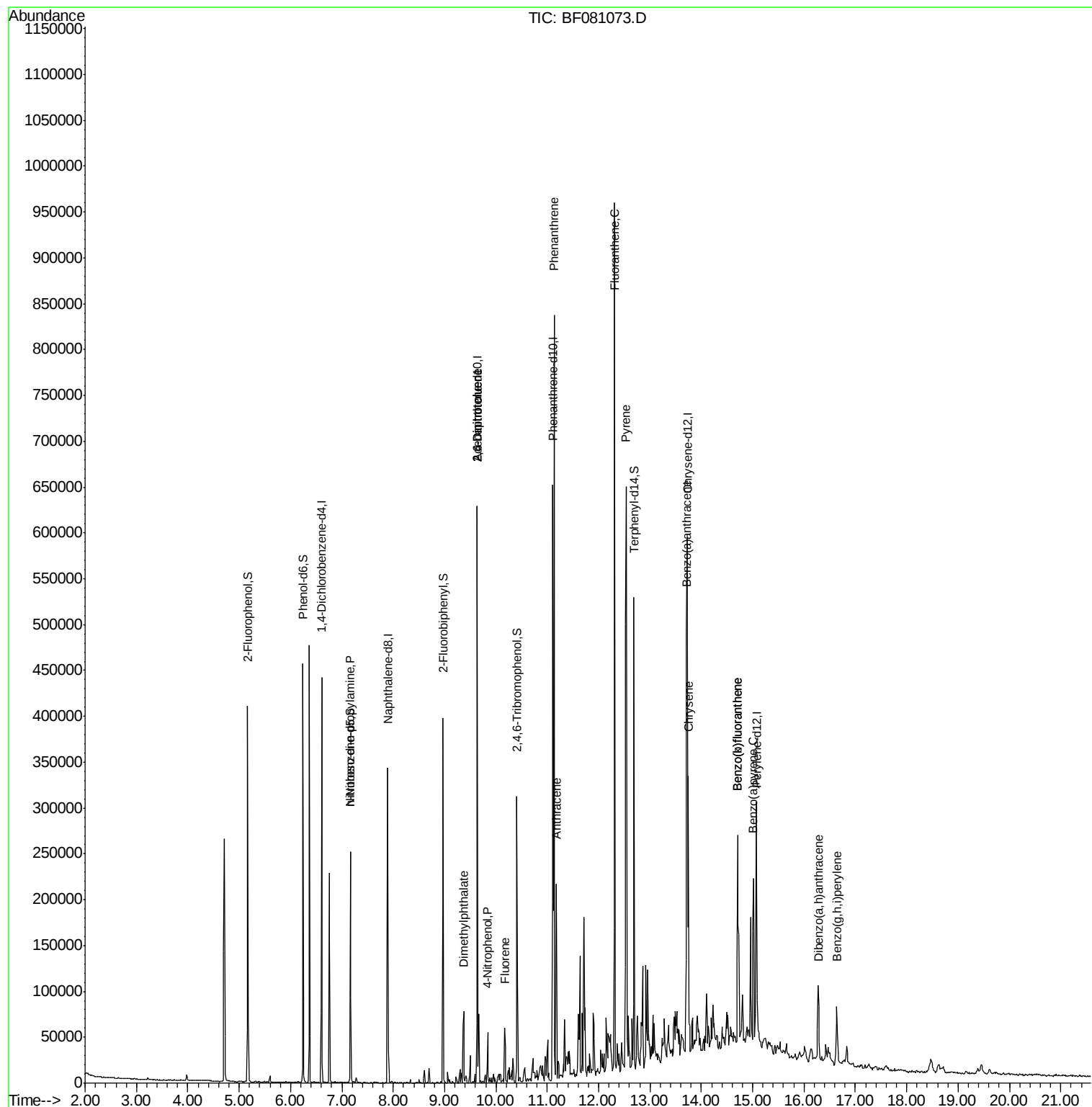
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.16	70	10563	2.98	ng	# 75
49) Dimethylphthalate	9.37	163	42814	4.66	ng	99
50) 2,6-Dinitrotoluene	9.63	165	15293	7.75	ng	# 22
55) 4-Nitrophenol	9.84	139	7124	4.11	ng	# 1
56) 2,4-Dinitrotoluene	9.63	165	15293	5.85	ng	# 17
57) Fluorene	10.17	166	20007	2.30	ng	98
70) Phenanthrene	11.13	178	278718	19.64	ng	99
71) Anthracene	11.18	178	77756	5.63	ng	97
74) Fluoranthene	12.31	202	351902	22.98	ng	95
77) Pyrene	12.54	202	324196	24.88	ng	98
80) Benzo(a)anthracene	13.71	228	138758	12.91	ng	98
82) Chrysene	13.75	228	87162	9.00	ng	97
87) Benzo(b)fluoranthene	14.71	252	140748	15.16	ng	# 95
88) Benzo(k)fluoranthene	14.71	252	140748	16.27	ng	98
89) Benzo(a)pyrene	15.02	252	82450	10.19	ng	96
90) Dibenzo(a,h)anthracene	16.29	278	18310	2.90	ng	# 87
91) Benzo(g,h,i)perylene	16.64	276	47172	7.38	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPDL

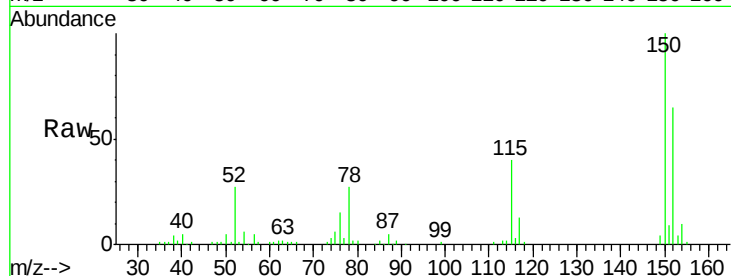
Tgt Ion:152 Resp: 58917

Ion Ratio Lower Upper

152 100

150 153.2 123.8 185.6

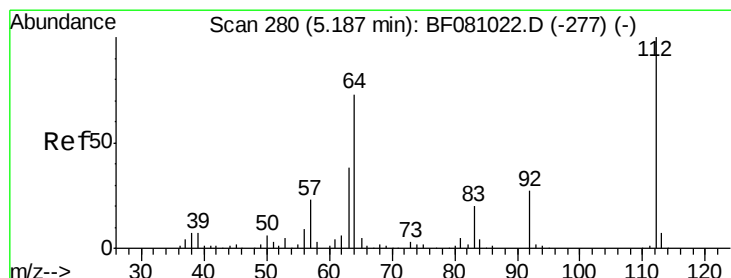
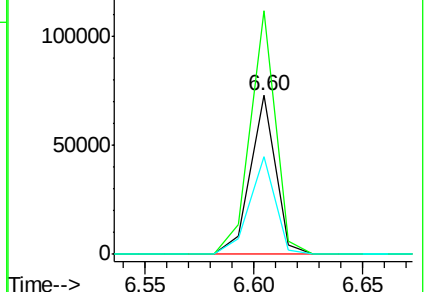
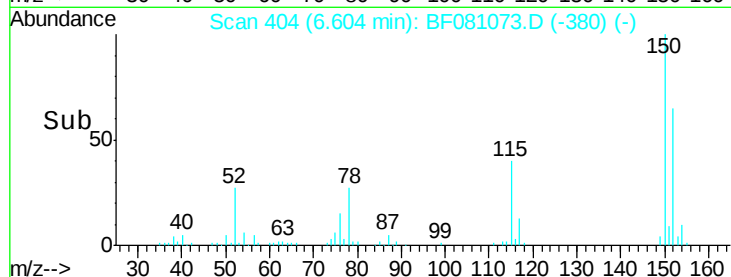
115 61.4 52.1 78.1



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: 24.17 ng

RT: 5.16 min Scan# 278

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

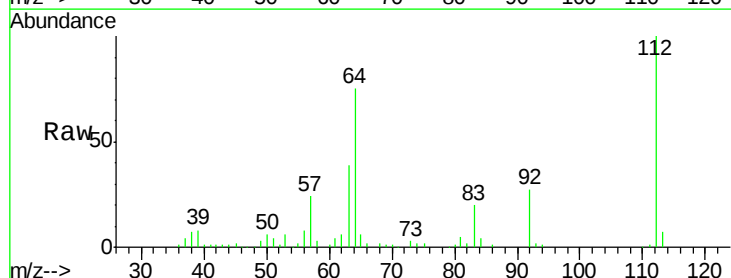
Tgt Ion:112 Resp: 94695

Ion Ratio Lower Upper

112 100

64 74.9 66.9 100.3

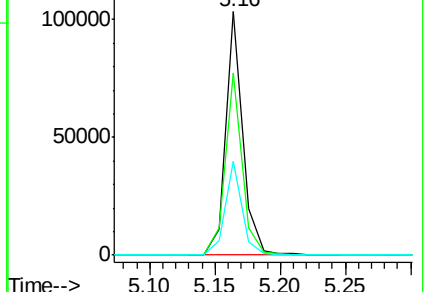
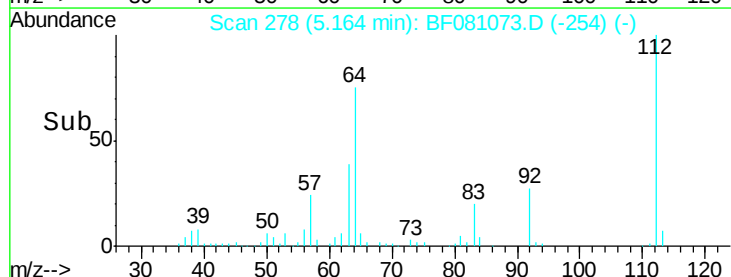
63 38.6 38.1 57.1

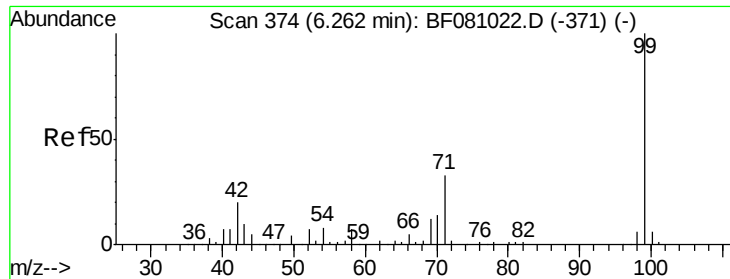


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 25.52 ng

RT: 6.24 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPDL

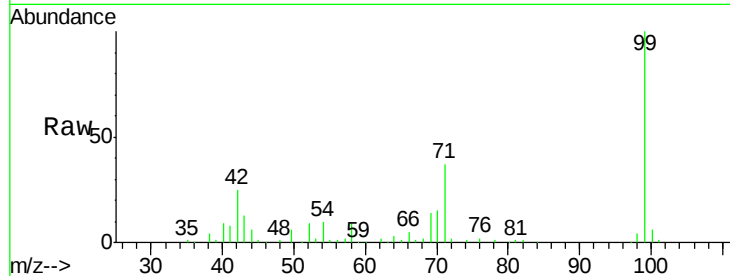
Tgt Ion: 99 Resp: 130416

Ion Ratio Lower Upper

99 100

42 24.8 19.6 29.4

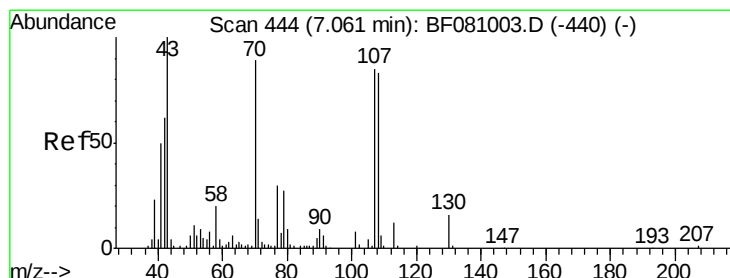
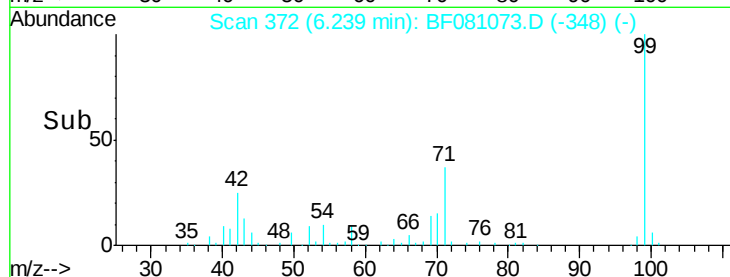
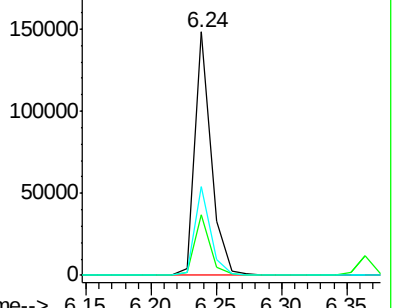
71 36.6 31.2 46.8



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: 2.98 ng

RT: 7.16 min Scan# 453

Delta R.T. 0.11 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Tgt Ion: 70 Resp: 10563

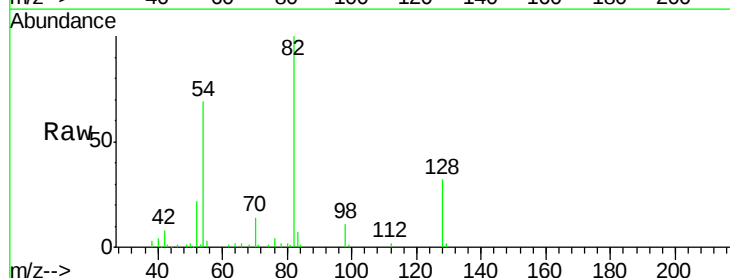
Ion Ratio Lower Upper

70 100

42 61.7 65.0 97.4#

101 0.0 7.4 11.2#

130 0.0 13.0 19.4#

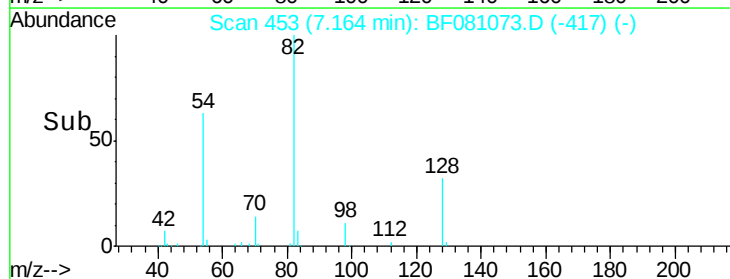
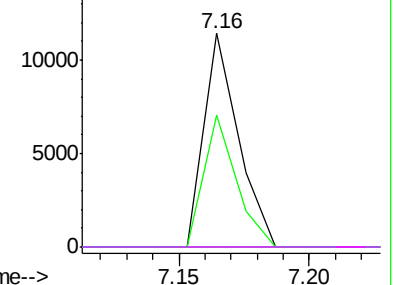


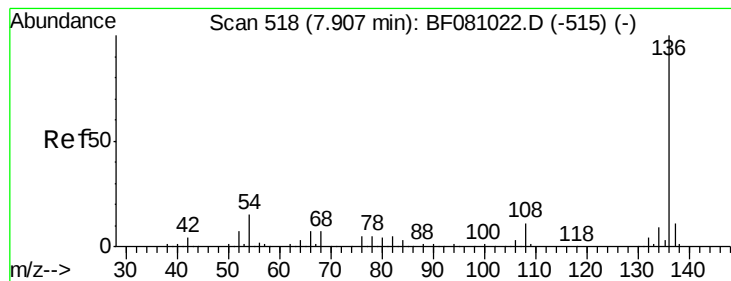
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

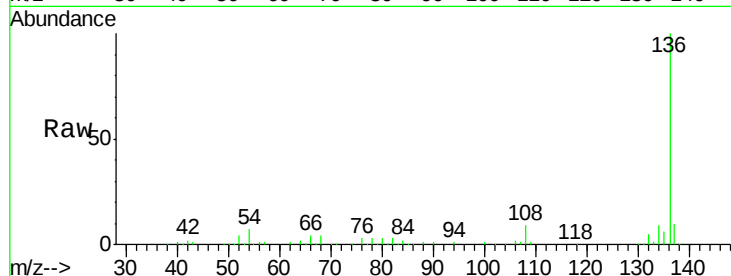




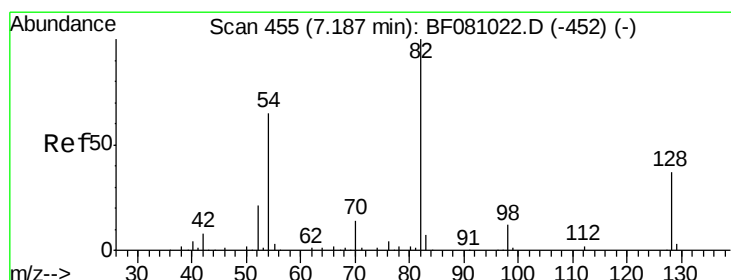
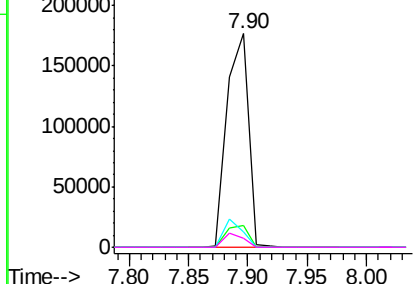
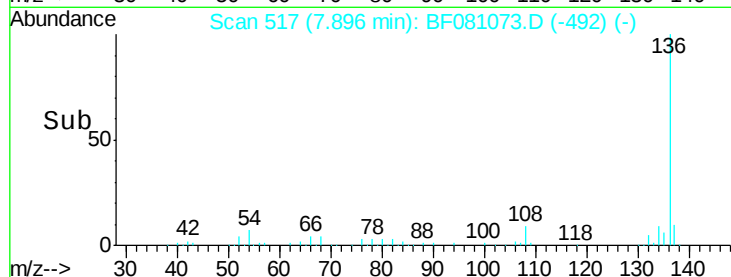
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF081073.D
Acq: 19 Aug 2015 8:30

Instrument :
BNA_F
ClientSampleId :
TEC-COMPDL

Tgt Ion:	136	Resp:	221651
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.2	12.2
54	7.3	7.7	11.5#
68	4.2	3.4	5.2

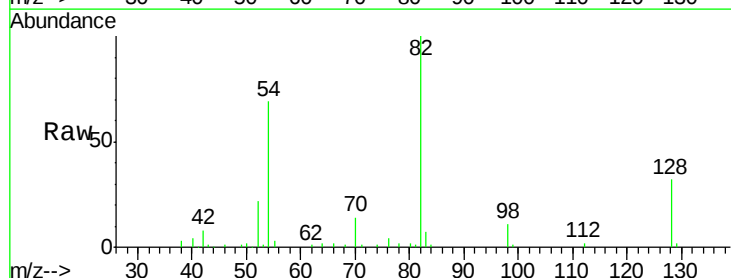


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

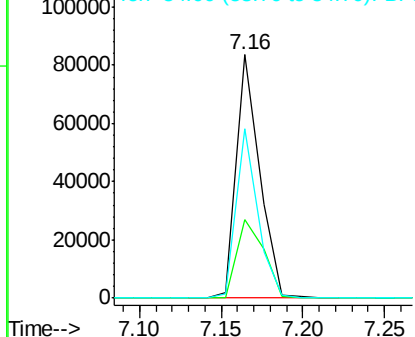
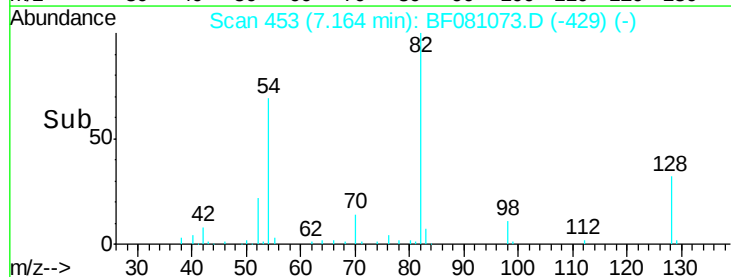


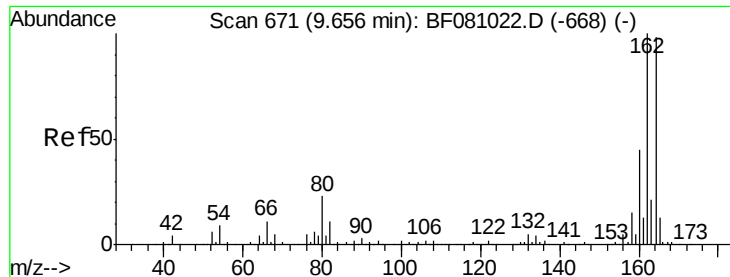
#23
Nitrobenzene-d5
Concen: 16.83 ng
RT: 7.16 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF081073.D
Acq: 19 Aug 2015 8:30

Tgt Ion:	82	Resp:	81669
Ion	Ratio	Lower	Upper
82	100		
128	32.5	28.6	42.8
54	69.4	55.1	82.7



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

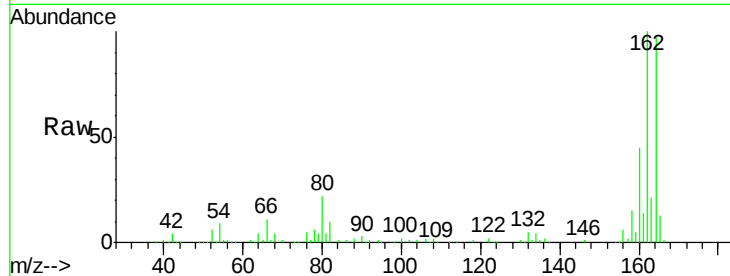




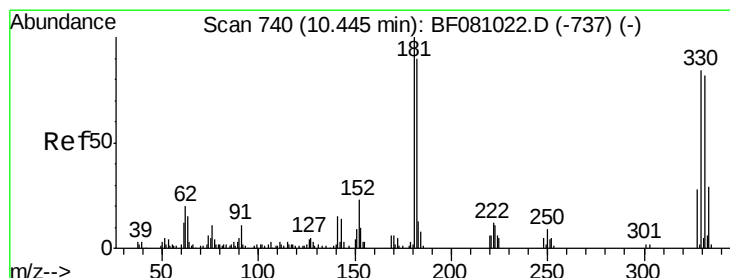
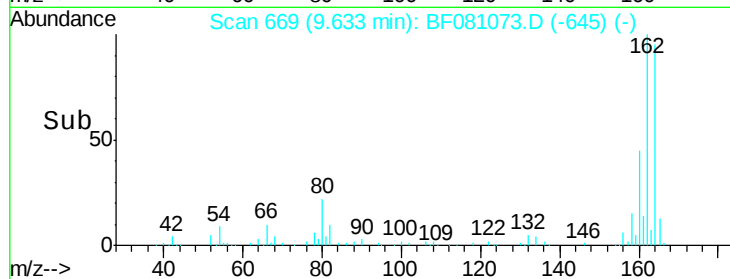
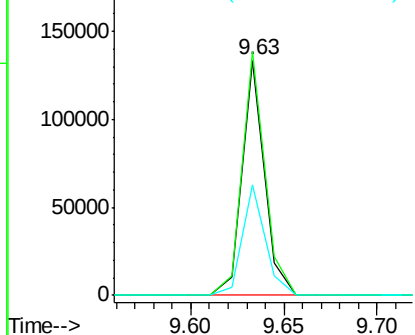
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPD

Tgt Ion:164 Resp: 111589
 Ion Ratio Lower Upper
 164 100
 162 103.6 83.8 125.8
 160 46.9 39.8 59.8

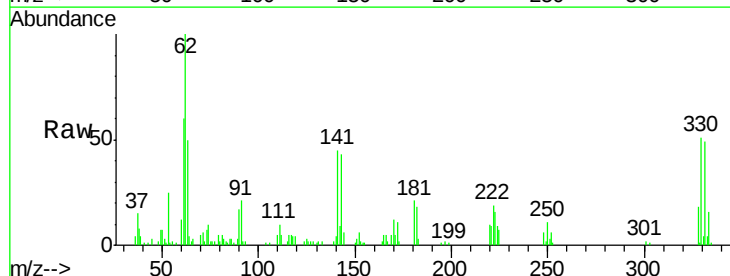


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

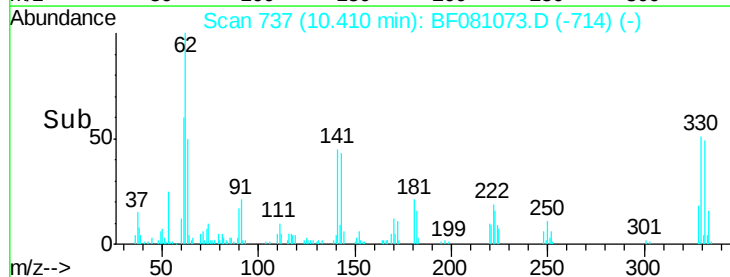
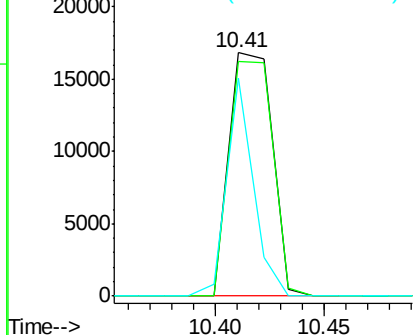


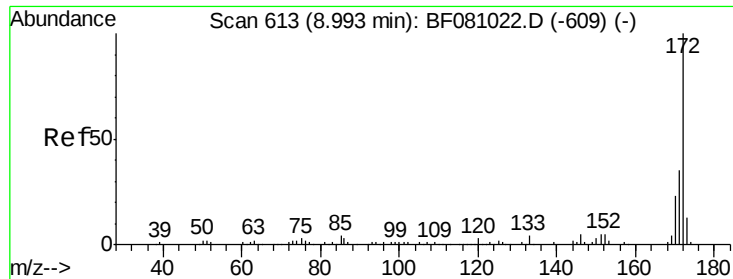
#41
 2,4,6-Tribromophenol
 Concen: 23.94 ng
 RT: 10.41 min Scan# 737
 Delta R.T. -0.03 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Tgt Ion:330 Resp: 23159
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.3 115.9
 141 55.0 44.9 67.3



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

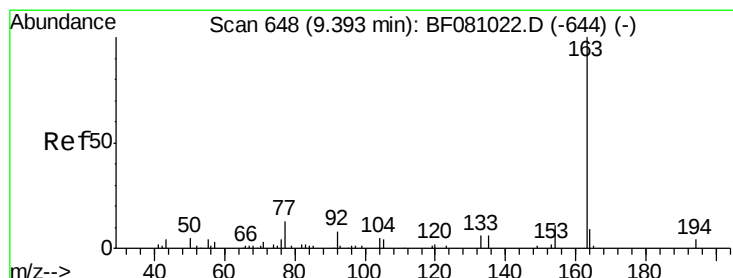
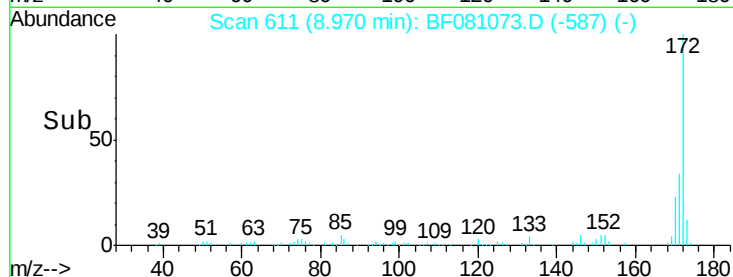
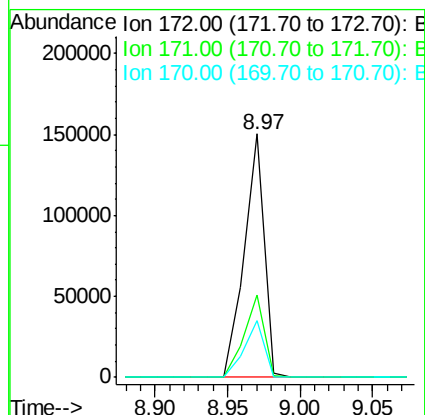
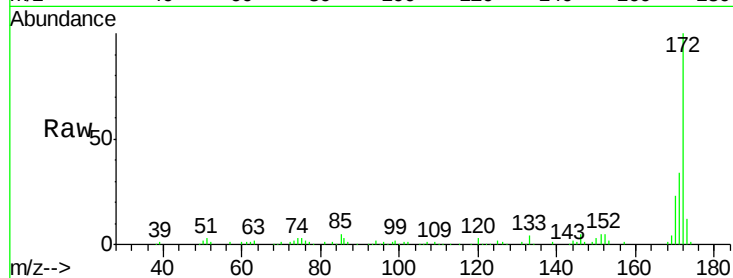




#44
 2-Fluorobiphenyl
 Concen: 16.88 ng
 RT: 8.97 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

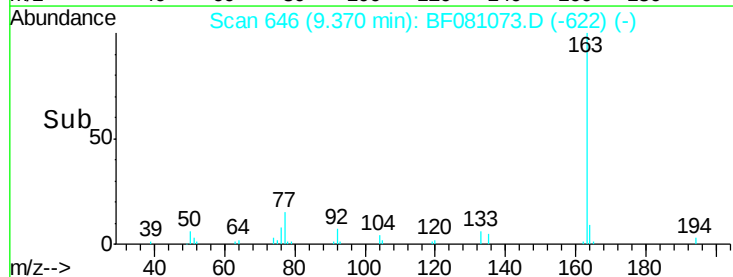
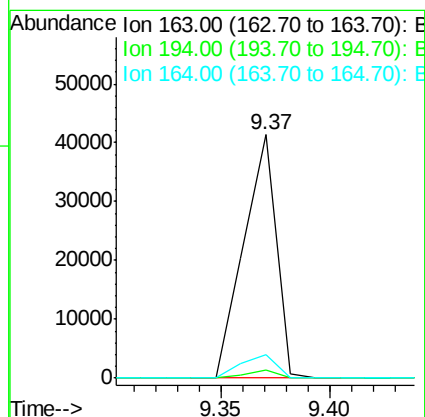
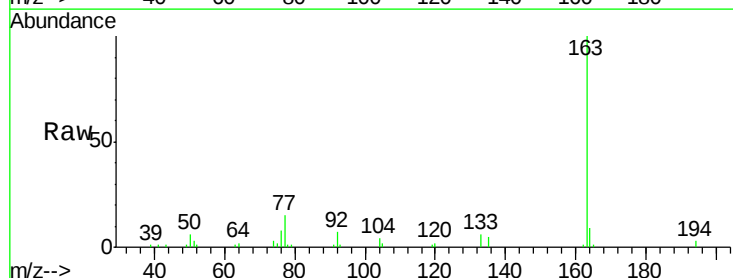
Instrument :
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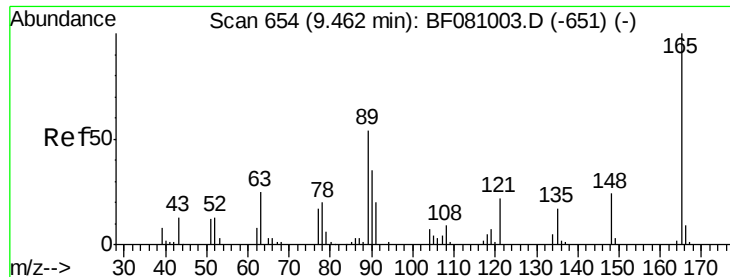
Tgt Ion:172 Resp: 143754
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.9 43.3
 170 23.1 19.4 29.2



#49
 Dimethylphthalate
 Concen: 4.66 ng
 RT: 9.37 min Scan# 646
 Delta R.T. -0.02 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Tgt Ion:163 Resp: 42814
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.5 3.7
 164 9.5 8.1 12.1

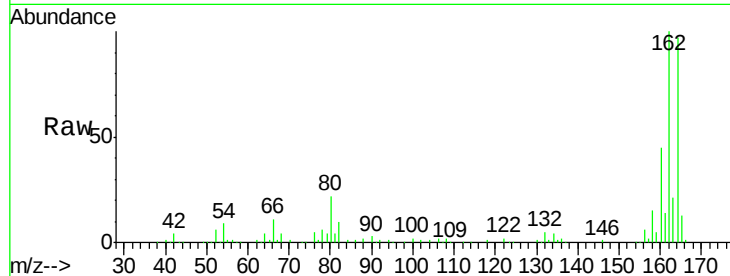




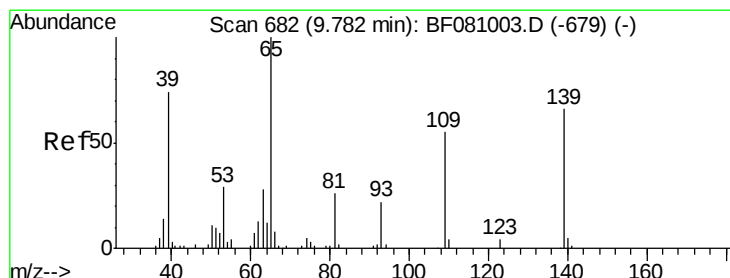
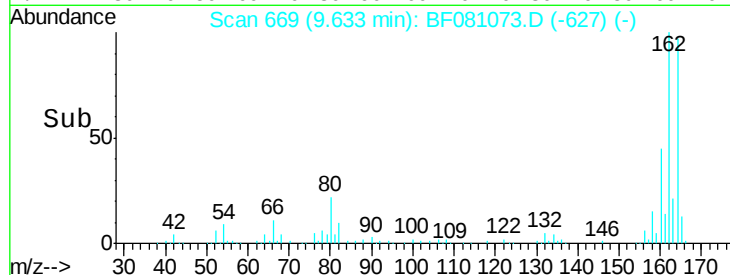
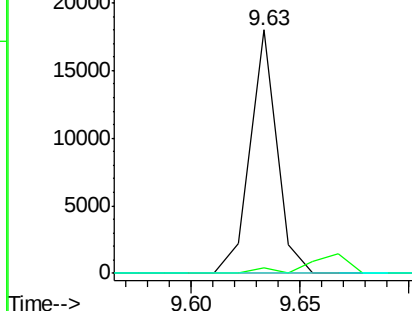
#50
 2,6-Dinitrotoluene
 Concen: 7.75 ng
 RT: 9.63 min Scan# 669
 Delta R.T. 0.18 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPDL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	49.5	74.3#
89	0.0	47.6	71.4#

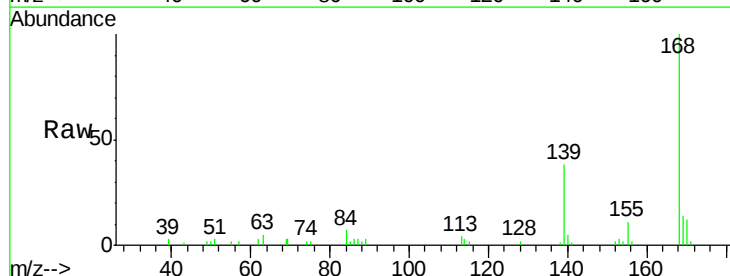


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

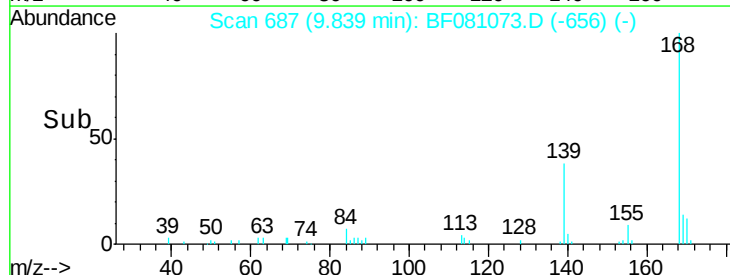
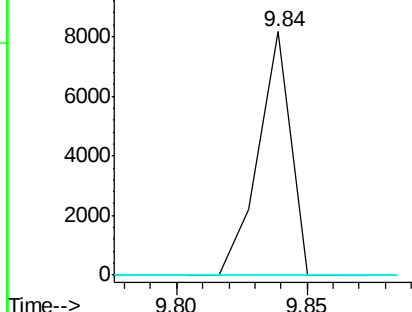


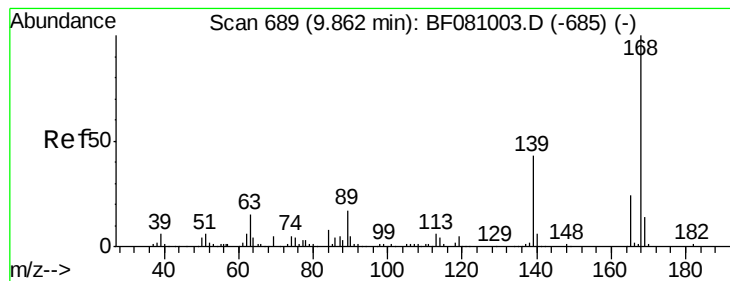
#55
 4-Nitrophenol
 Concen: 4.11 ng
 RT: 9.84 min Scan# 687
 Delta R.T. 0.06 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	80.0	120.0#
65	0.0	138.3	178.3#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

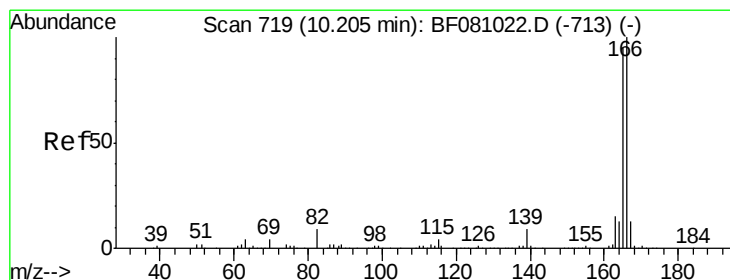
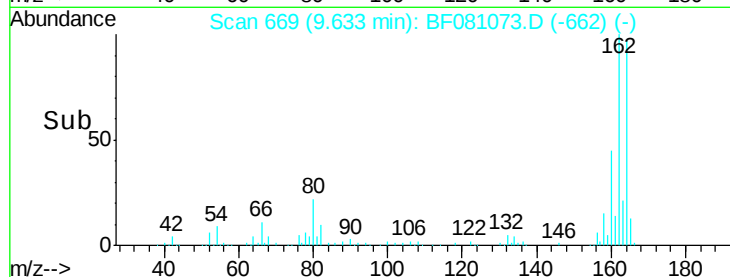
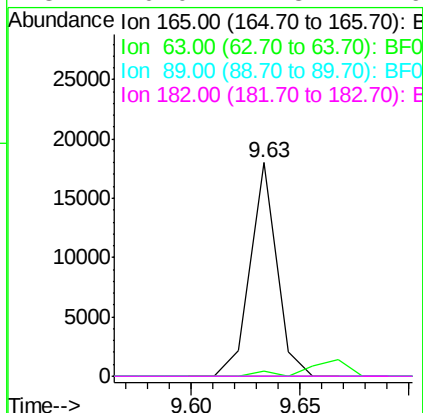
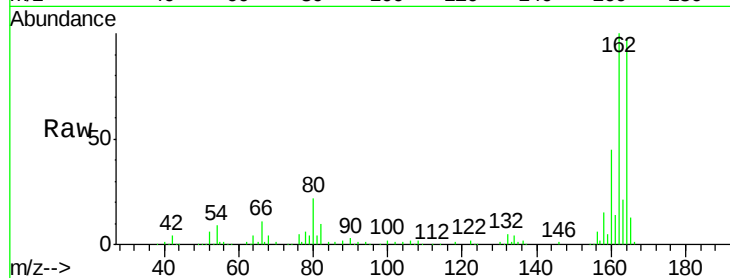




#56
 2,4-Dinitrotoluene
 Concen: 5.85 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.22 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

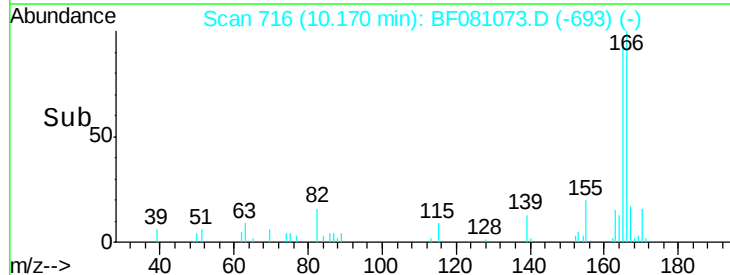
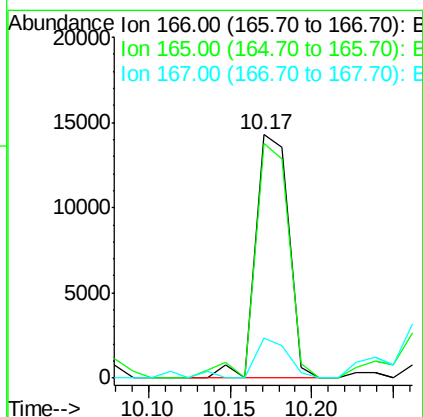
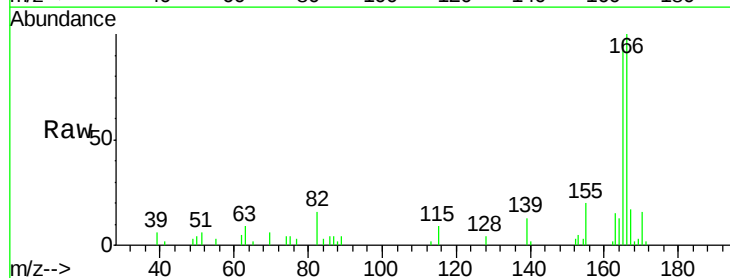
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPDL

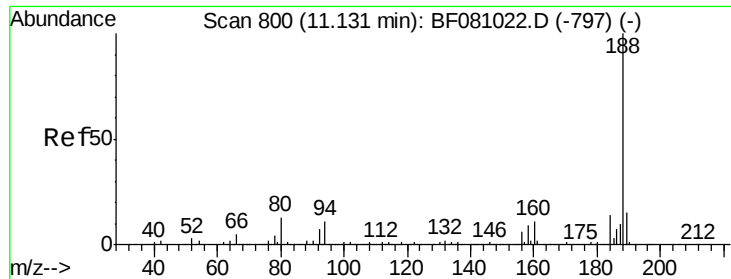
Tgt Ion:	165	Resp:	15293
Ion Ratio	Lower	Upper	
165	100		
63	2.3	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#



#57
 Fluorene
 Concen: 2.30 ng
 RT: 10.17 min Scan# 716
 Delta R.T. -0.03 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Tgt Ion:	166	Resp:	20007
Ion Ratio	Lower	Upper	
166	100		
165	96.5	75.8	113.8
167	16.6	11.3	16.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPDL

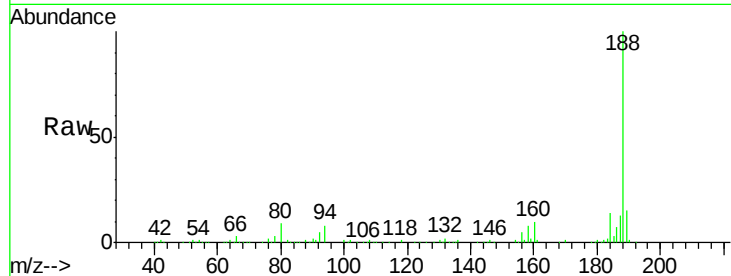
Tgt Ion:188 Resp: 239413

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

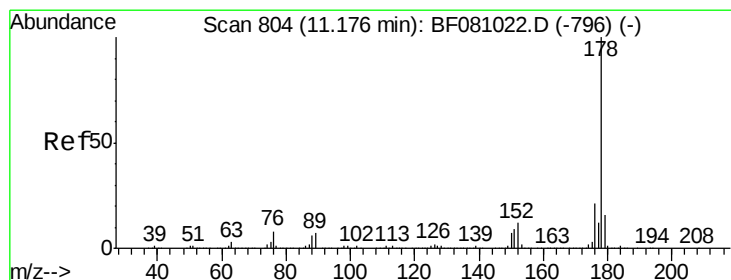
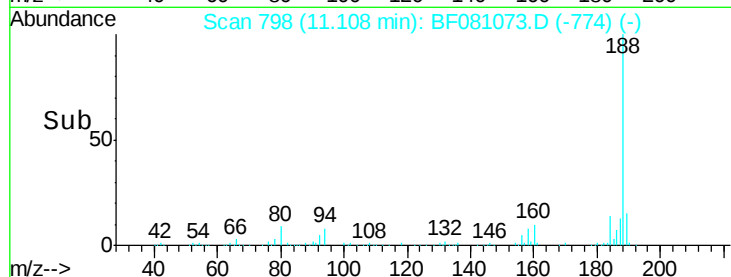
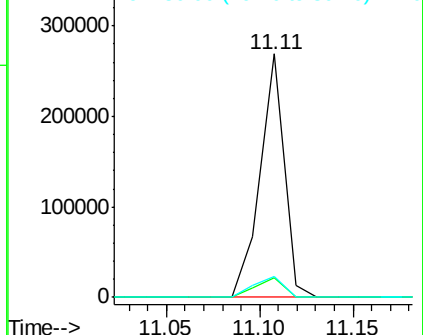
80 8.6 9.5 14.3#



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: 19.64 ng

RT: 11.13 min Scan# 800

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

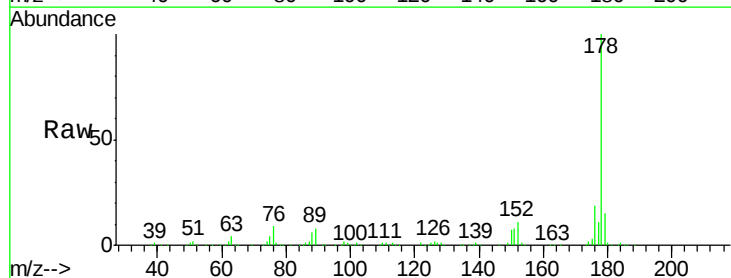
Tgt Ion:178 Resp: 278718

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

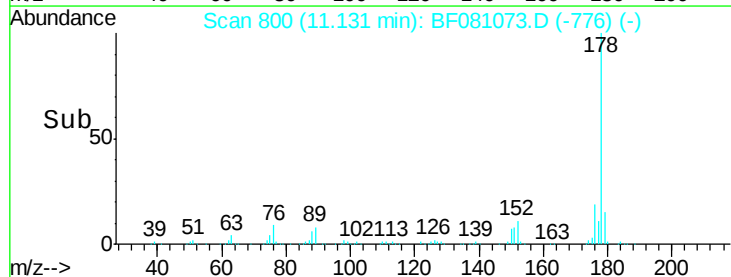
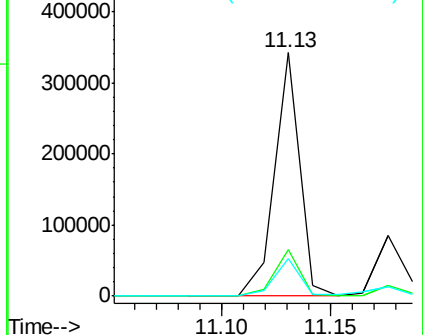
179 15.4 12.2 18.2

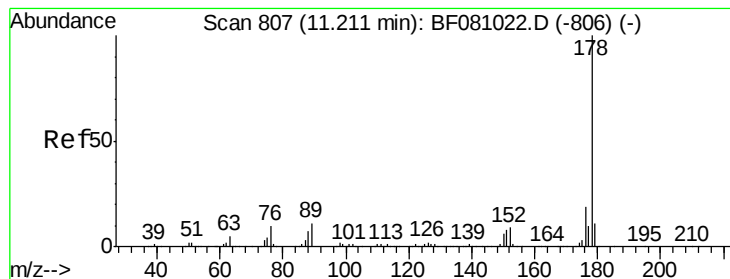


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 5.63 ng

RT: 11.18 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPDL

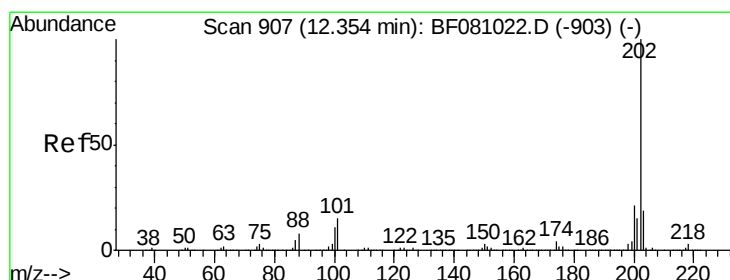
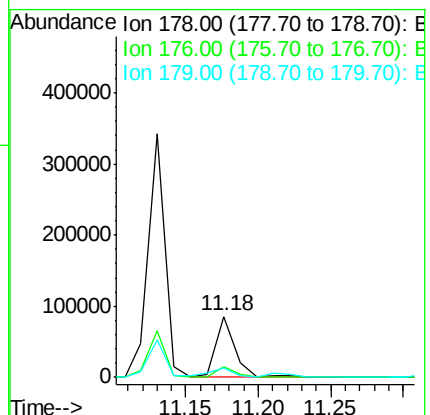
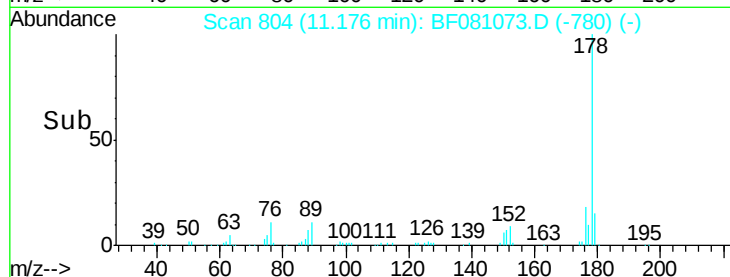
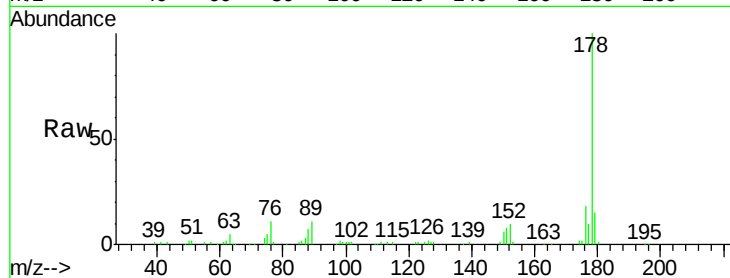
Tgt Ion:178 Resp: 77756

Ion Ratio Lower Upper

178 100

176 17.9 15.7 23.5

179 15.2 12.7 19.1



#74

Fluoranthene

Concen: 22.98 ng

RT: 12.31 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

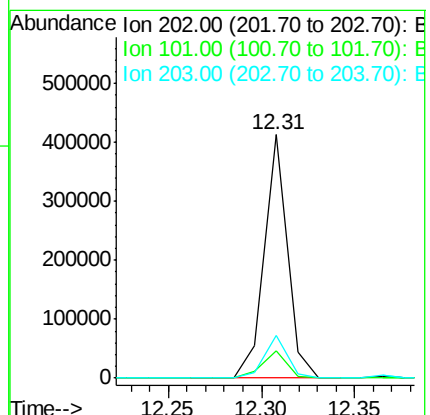
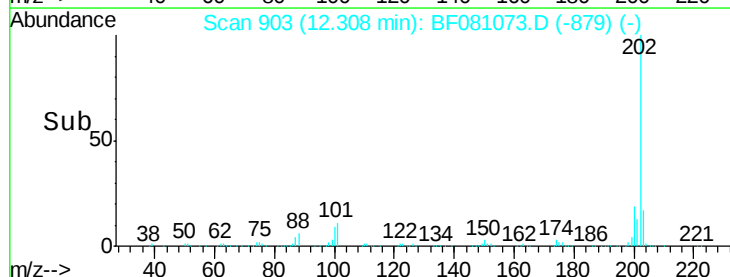
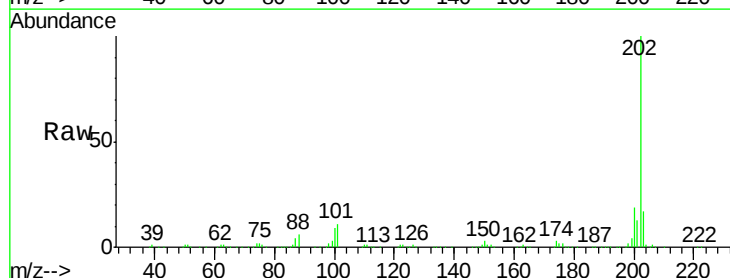
Tgt Ion:202 Resp: 351902

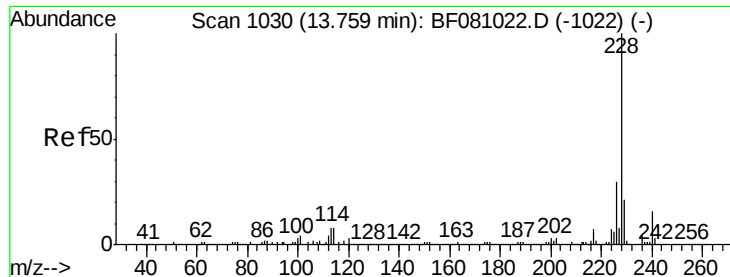
Ion Ratio Lower Upper

202 100

101 11.1 0.0 24.8

203 17.5 0.0 36.9

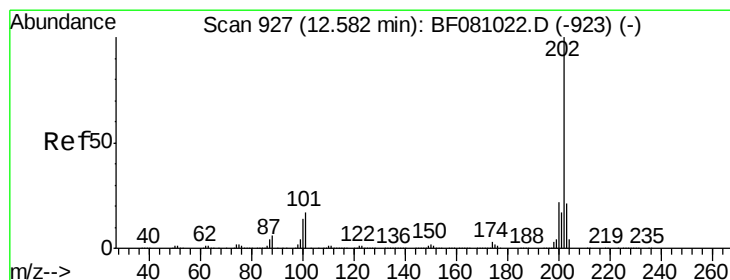
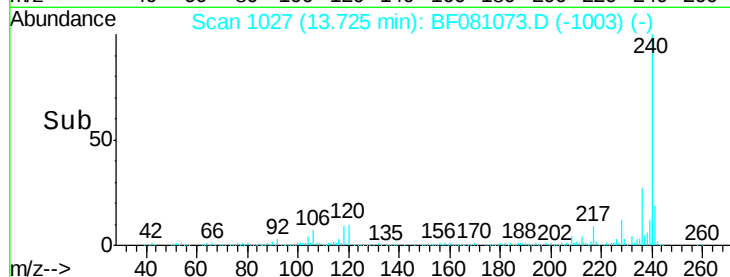
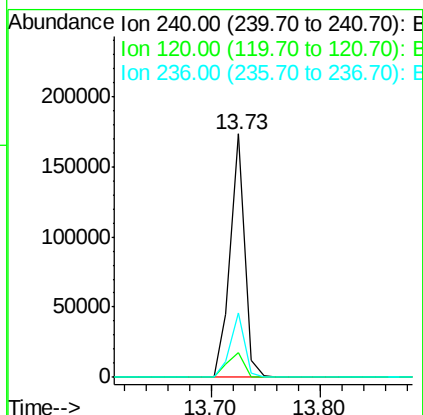
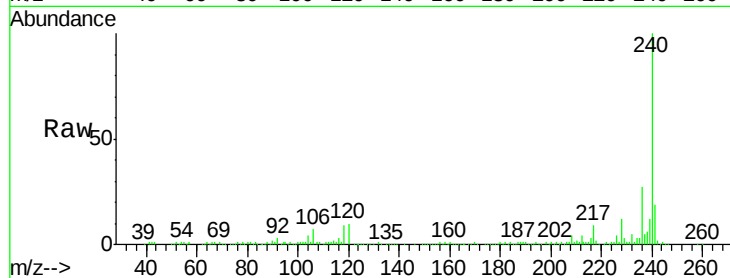




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF081073.D
Acq: 19 Aug 2015 8:30

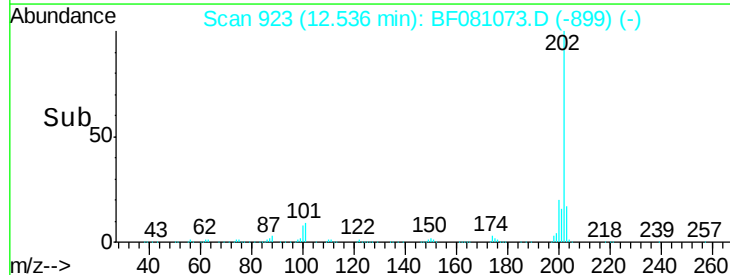
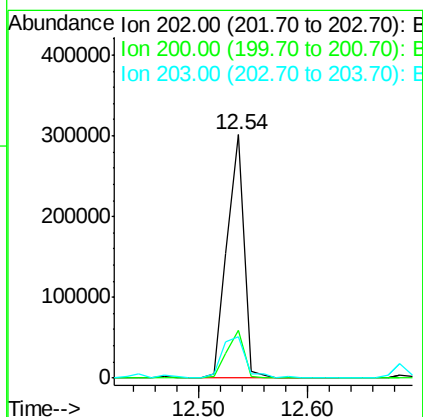
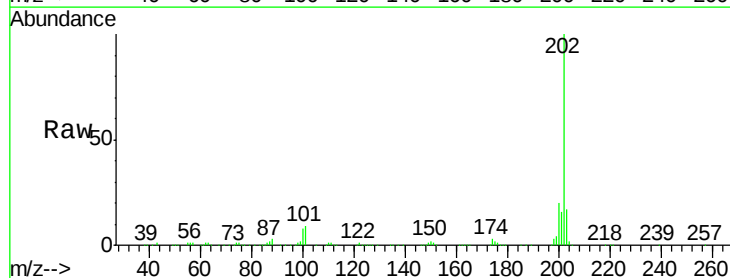
Instrument :
BNA_F
ClientSampleId :
TEC-COMPD

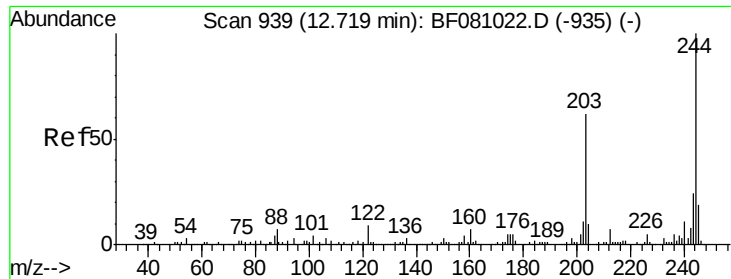
Tgt Ion: 240 Resp: 160259
Ion Ratio Lower Upper
240 100
120 10.0 5.6 8.4#
236 26.6 20.6 30.8



#77
Pyrene
Concen: 24.88 ng
RT: 12.54 min Scan# 923
Delta R.T. -0.02 min
Lab File: BF081073.D
Acq: 19 Aug 2015 8:30

Tgt Ion: 202 Resp: 324196
Ion Ratio Lower Upper
202 100
200 19.5 16.6 24.8
203 16.9 14.1 21.1

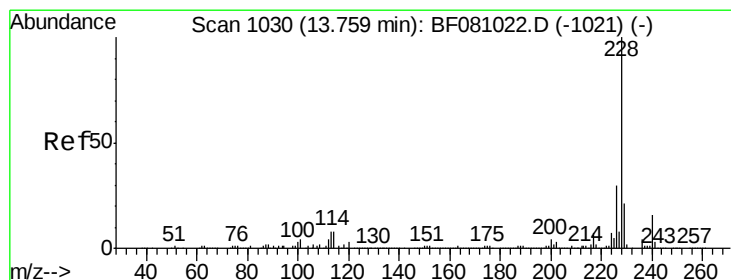
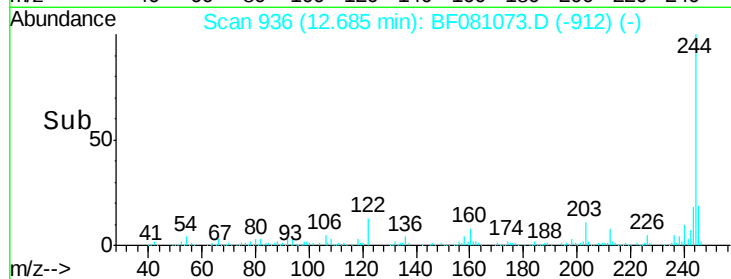
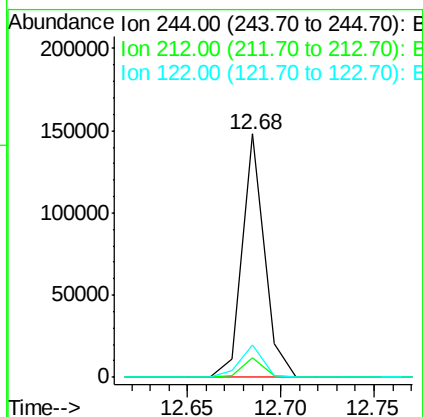
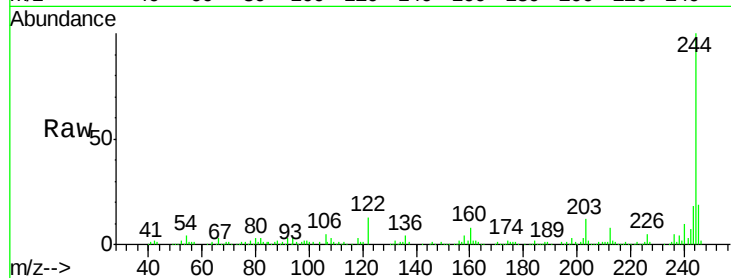




#78
 Terphenyl-d14
 Concen: 16.55 ng
 RT: 12.68 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

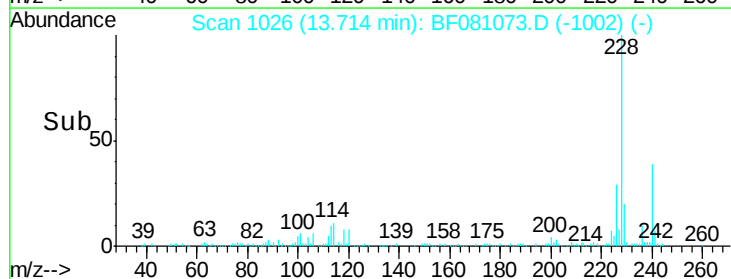
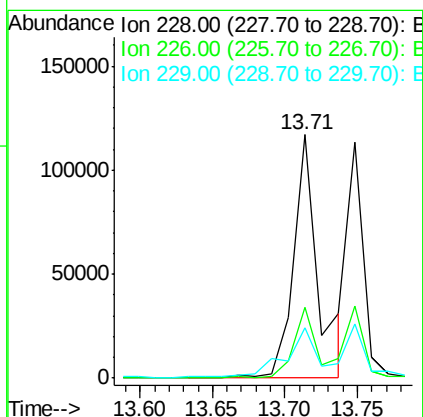
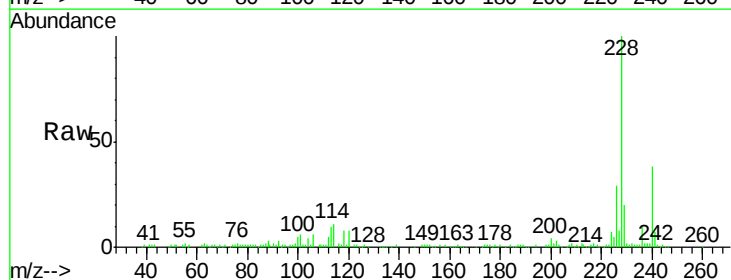
Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPDL

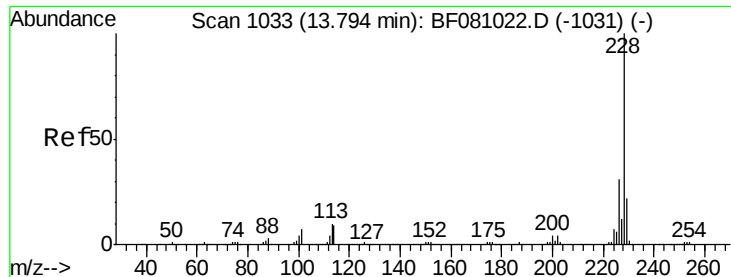
Tgt Ion: 244 Resp: 123720
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 13.2 8.2 12.4#



#80
 Benzo(a)anthracene
 Concen: 12.91 ng
 RT: 13.71 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Tgt Ion: 228 Resp: 138758
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 20.5 15.9 23.9





#82

Chrysene

Concen: 9.00 ng

RT: 13.75 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPD

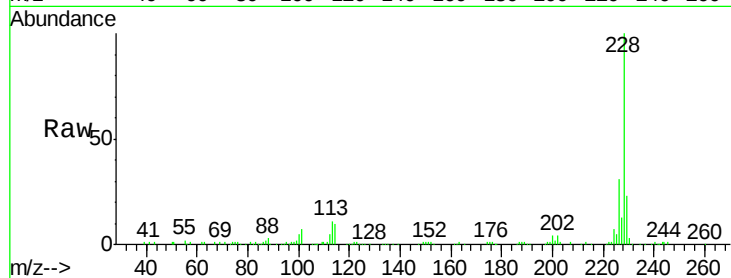
Tgt Ion:228 Resp: 87162

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

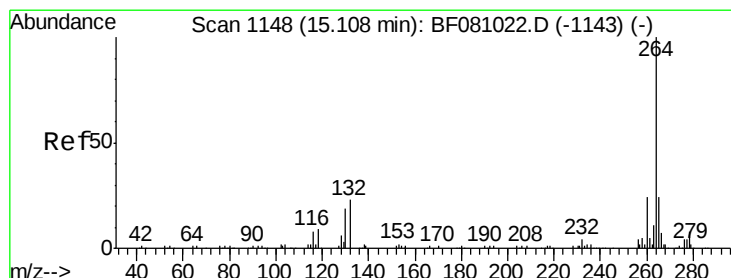
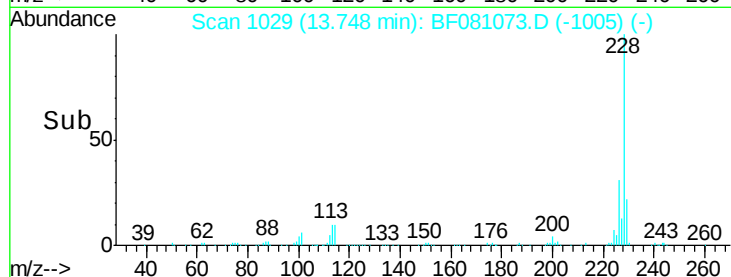
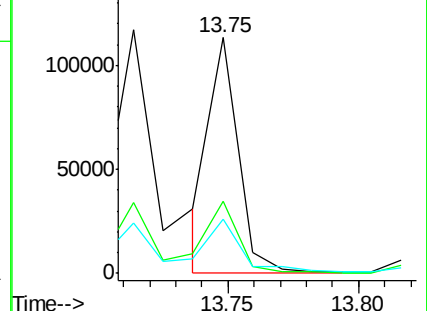
229 22.9 16.0 24.0



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: 15.07 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

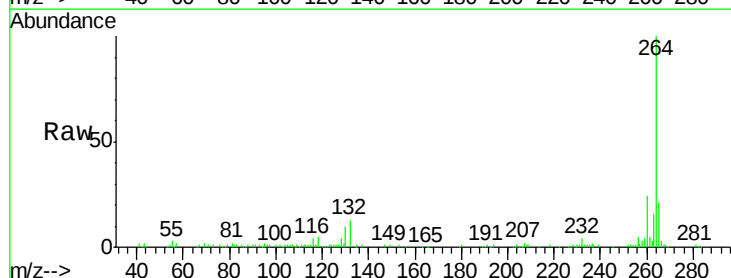
Tgt Ion:264 Resp: 131249

Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

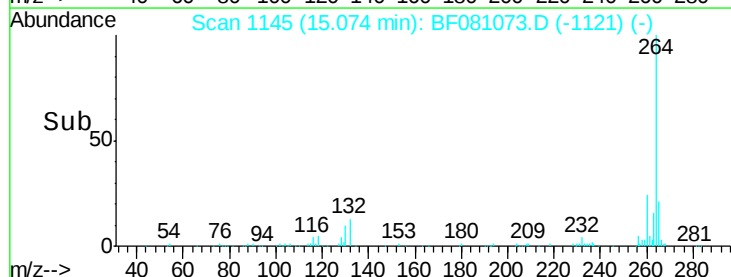
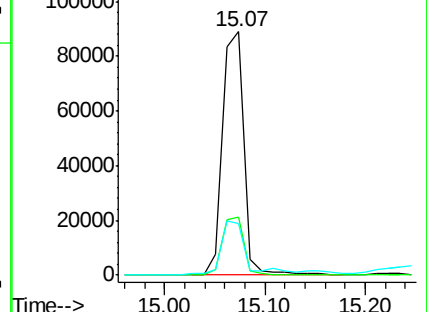
265 21.2 17.5 26.3

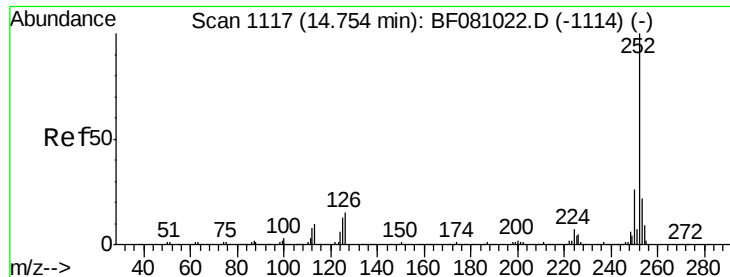


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.16 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPD

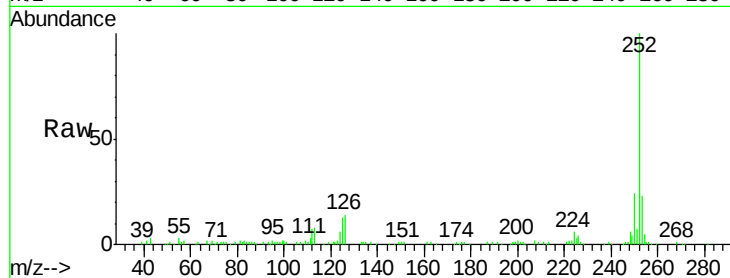
Tgt Ion:252 Resp: 140748

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

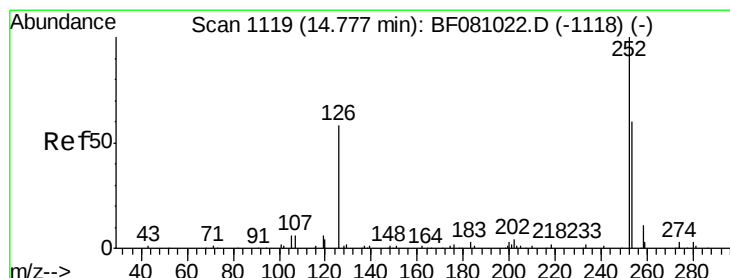
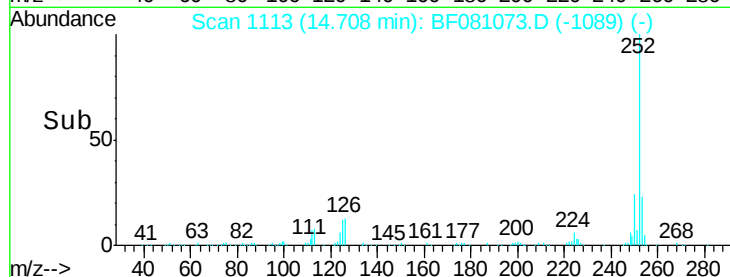
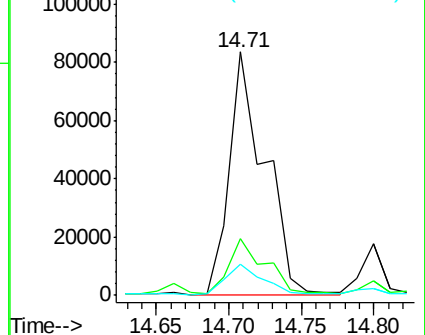
125 12.7 8.0 12.0#



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



#88

Benzo(k)fluoranthene

Concen: 16.27 ng

RT: 14.71 min Scan# 1113

Delta R.T. -0.06 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

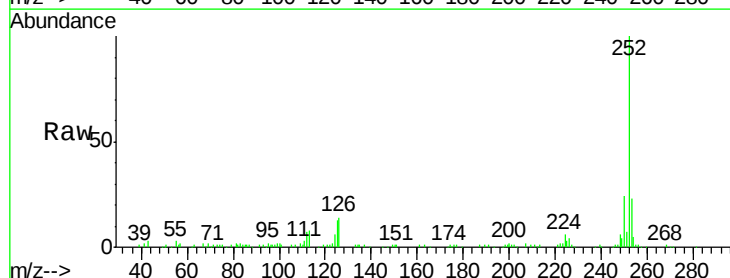
Tgt Ion:252 Resp: 140748

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

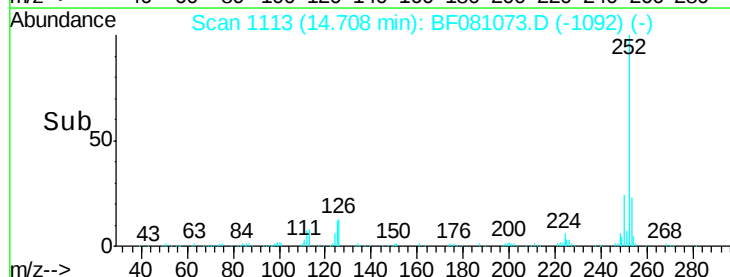
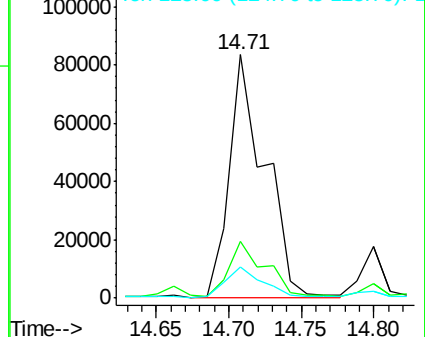
125 12.7 10.3 15.5

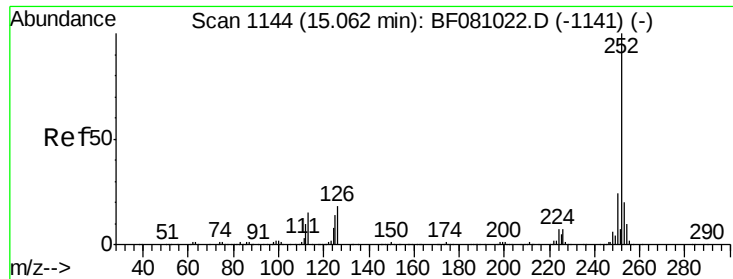


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.19 ng

RT: 15.02 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

Instrument :

BNA_F

ClientSampleId :

TEC-COMPDL

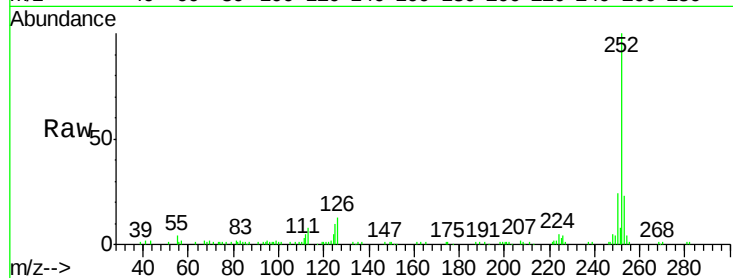
Tgt Ion:252 Resp: 82450

Ion Ratio Lower Upper

252 100

253 23.1 16.6 25.0

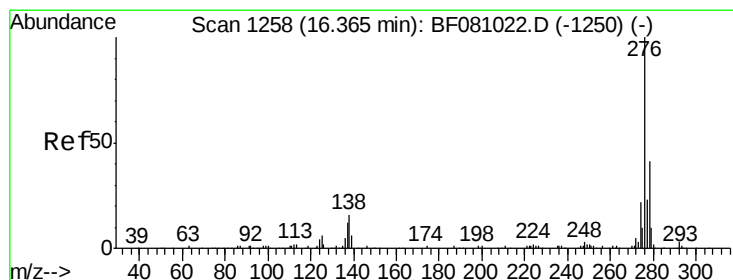
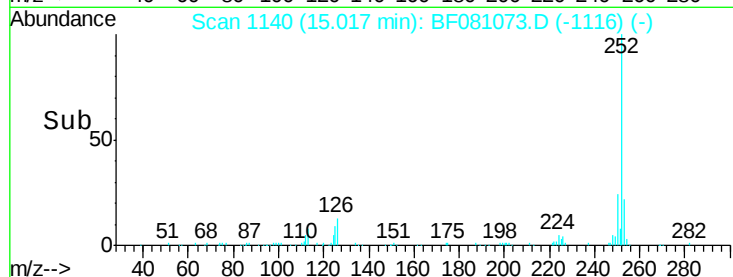
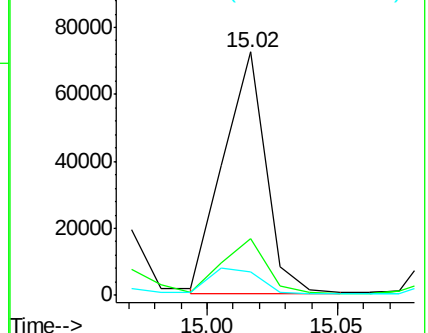
125 9.5 7.8 11.8



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: 2.90 ng

RT: 16.29 min Scan# 1251

Delta R.T. -0.06 min

Lab File: BF081073.D

Acq: 19 Aug 2015 8:30

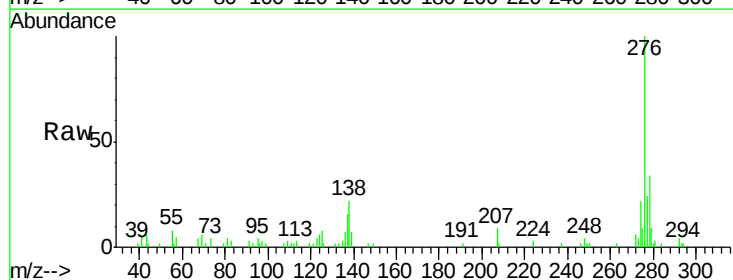
Tgt Ion:278 Resp: 18310

Ion Ratio Lower Upper

278 100

139 22.1 10.8 16.2#

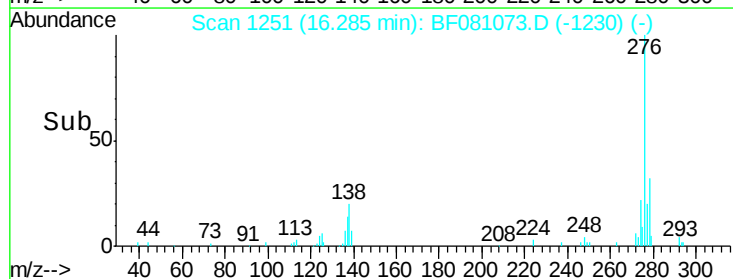
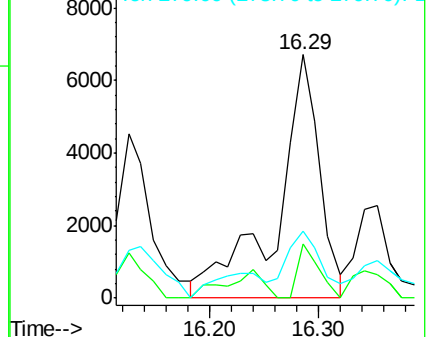
279 27.6 19.0 28.6

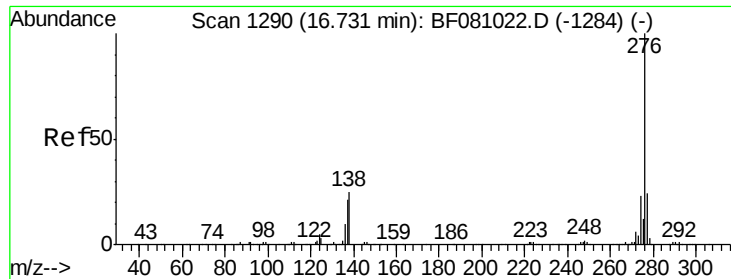


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.38 ng
 RT: 16.64 min Scan# 1282
 Delta R.T. -0.05 min
 Lab File: BF081073.D
 Acq: 19 Aug 2015 8:30

Instrument :
 BNA_F
 ClientSampleId :
 TEC-COMPDL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.1	18.2	27.2
138	27.3	13.7	20.5

