

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079603.D
 Acq On : 30 May 2015 15:20
 Operator : TP/IZ
 Sample : G2416-20
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.4(3)

Quant Time: May 31 05:45:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

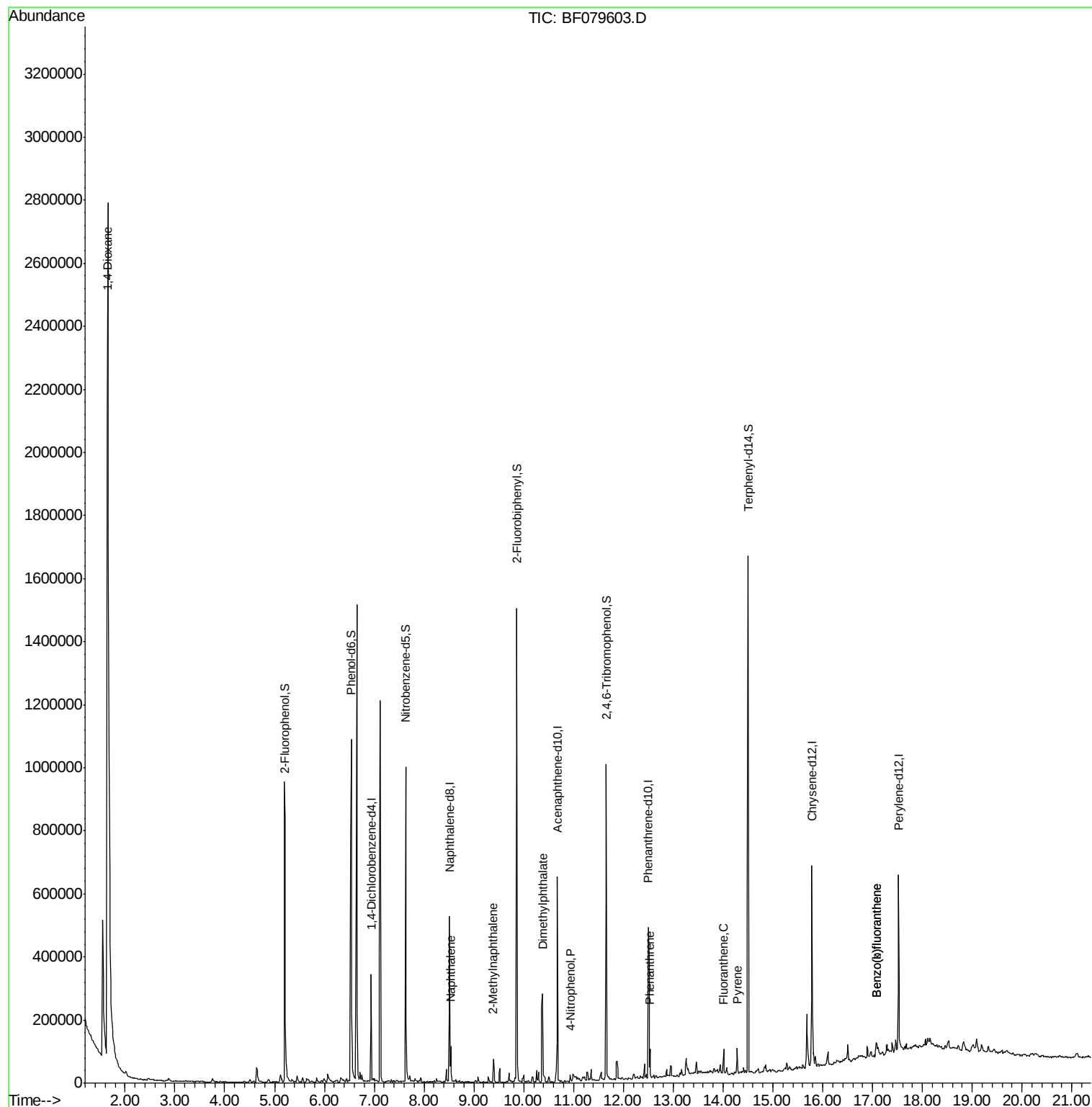
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	65756	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	276333	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	132215	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	244150	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	244822	20.00	ng	-0.06
86) Perylene-d12	17.52	264	256550	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	455846	120.24	ng	-0.02
7) Phenol-d6	6.54	99	591772	122.46	ng	-0.02
23) Nitrobenzene-d5	7.63	82	326977	68.40	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	163323	112.46	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	632836	68.29	ng	-0.02
78) Terphenyl-d14	14.50	244	584108	55.99	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	1.66	88	162019	89.84	ng	# 100
9) Benzaldehyde	6.40	77	1876	Below	Cal	91
31) Naphthalene	8.54	128	42378	3.20	ng	98
37) 2-Methylnaphthalene	9.39	142	23831	2.59	ng	94
49) Dimethylphthalate	10.38	163	174286	17.89	ng	99
55) 4-Nitrophenol	10.94	139	3585	2.55	ng	# 12
70) Phenanthrene	12.54	178	34430	2.57	ng	98
73) Di-n-butylphthalate	13.27	149	1512	Below	Cal	# 78
74) Fluoranthene	14.01	202	35496	2.47	ng	97
77) Pyrene	14.29	202	34497	2.27	ng	97
87) Benzo(b)fluoranthene	17.07	252	36506	2.49	ng	# 91
88) Benzo(k)fluoranthene	17.07	252	36506	2.79	ng	# 90
89) Benzo(a)pyrene	17.46	252	19035	Below	Cal	# 92
90) Dibenzo(a,h)anthracene	18.83	278	10909	Below	Cal	# 86
91) Benzo(g,h,i)perylene	19.19	276	19663	Below	Cal	# 89

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

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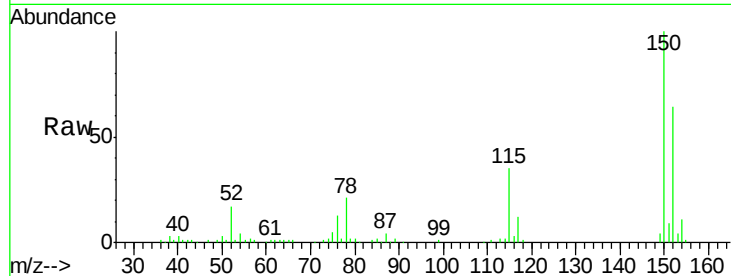




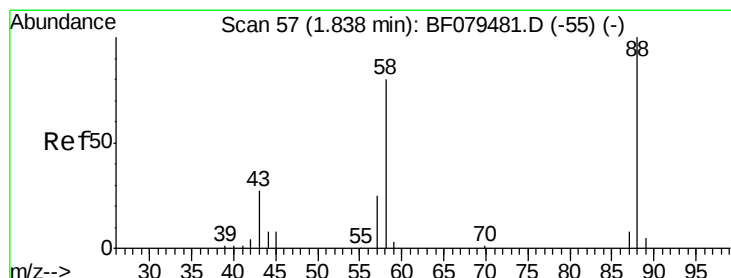
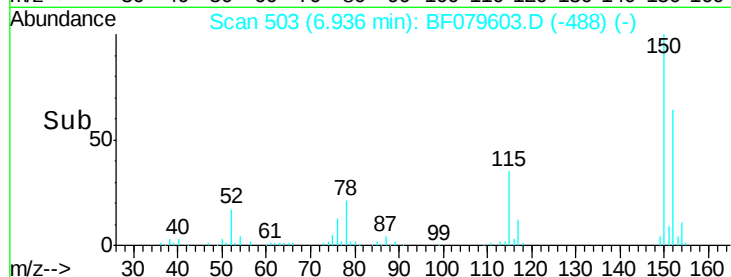
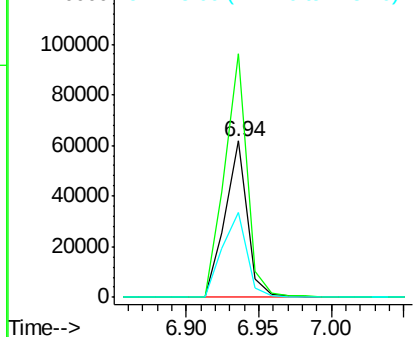
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.94 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.4(3)

Tgt Ion:152 Resp: 65756
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.0 186.0
 115 54.6 49.6 74.4

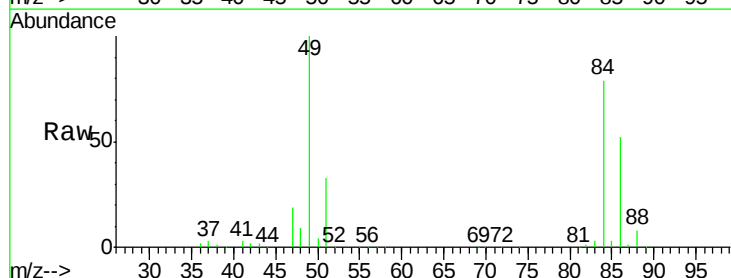


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

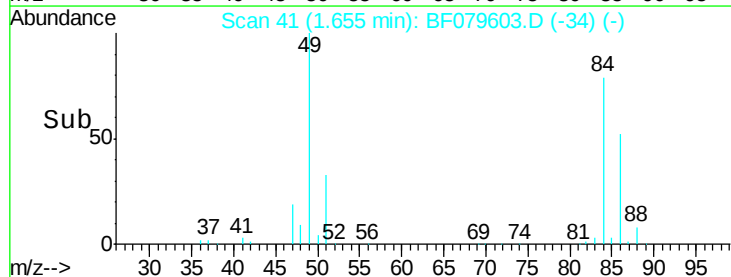
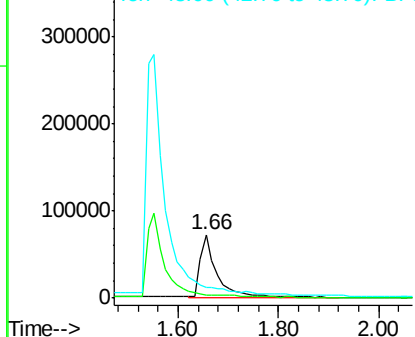


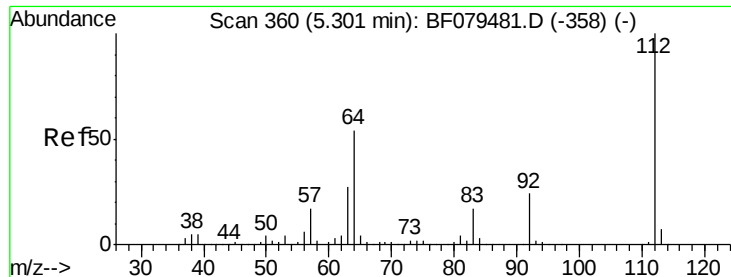
#2
 1,4-Dioxane
 Concen: 89.84 ng
 RT: 1.66 min Scan# 41
 Delta R.T. -0.11 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

Tgt Ion: 88 Resp: 162019
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0



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: 120.24 ng

RT: 5.21 min Scan# 352

Delta R.T. -0.02 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.4(3)

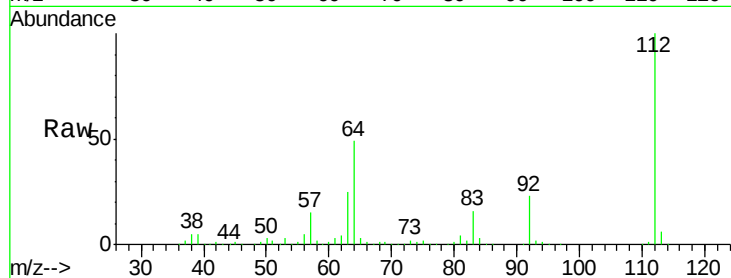
Tgt Ion: 112 Resp: 455846

Ion Ratio Lower Upper

112 100

64 49.2 43.5 65.3

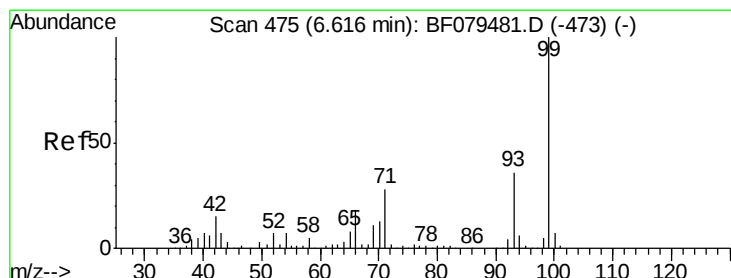
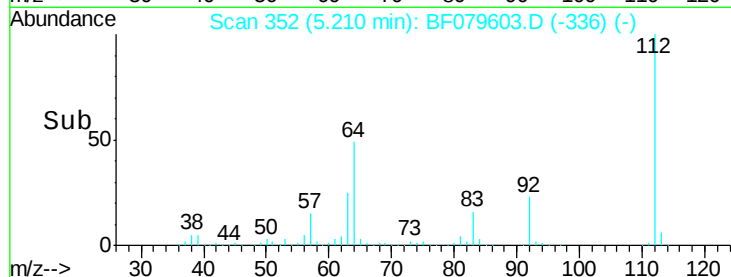
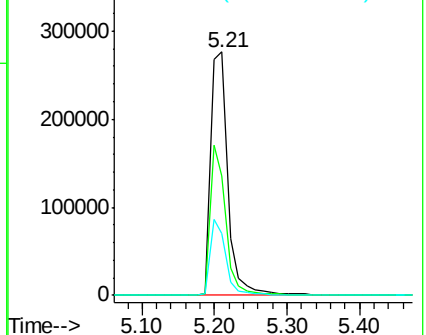
63 25.3 21.8 32.8



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: 122.46 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

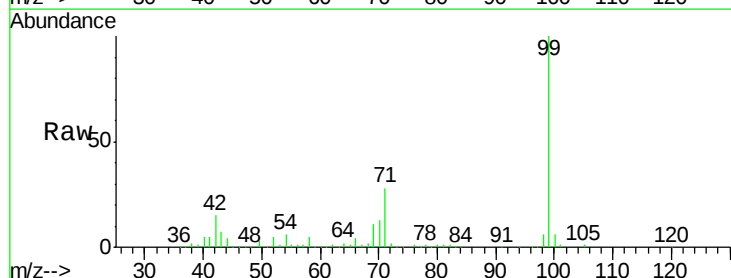
Tgt Ion: 99 Resp: 591772

Ion Ratio Lower Upper

99 100

42 14.6 11.9 17.9

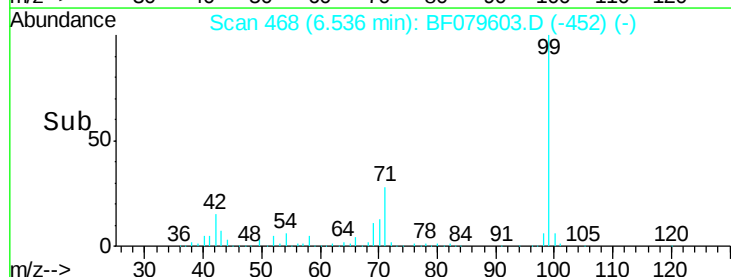
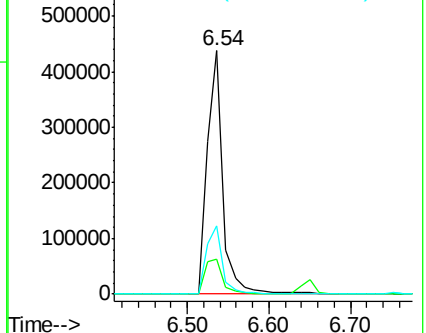
71 28.1 22.1 33.1



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

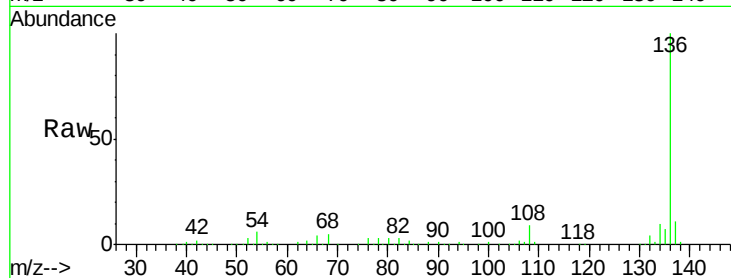




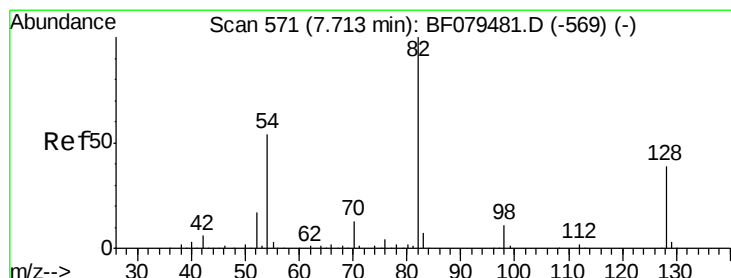
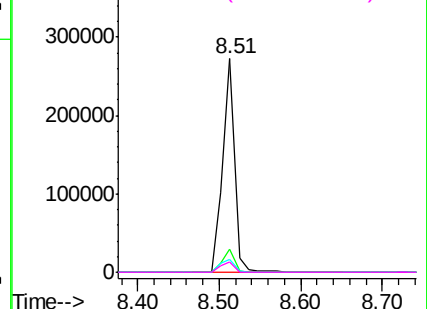
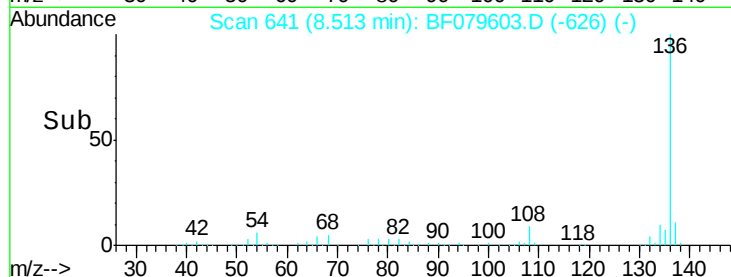
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.4(3)

Tgt Ion:	136	Resp:	276333
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	6.2	6.6	9.8#
68	5.0	4.7	7.1

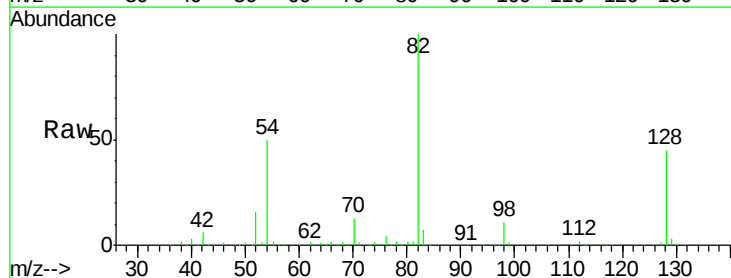


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

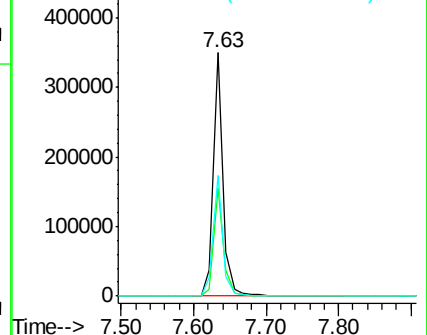
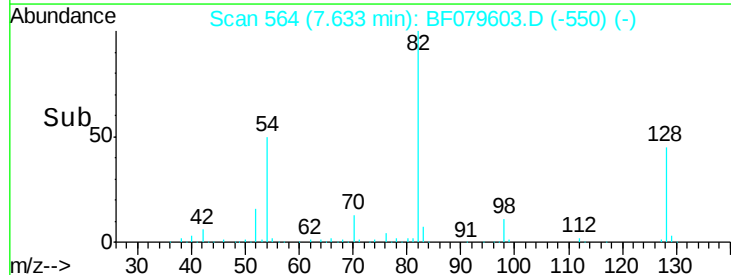


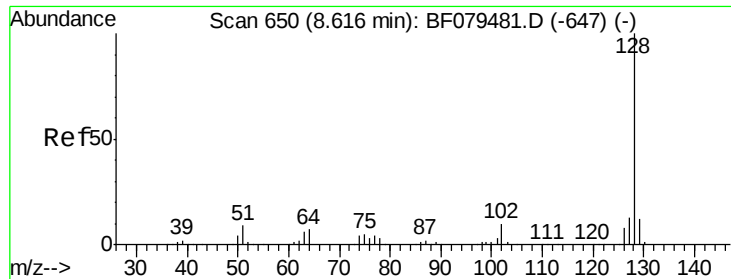
#23
Nitrobenzene-d5
Concen: 68.40 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Tgt Ion:	82	Resp:	326977
Ion	Ratio	Lower	Upper
82	100		
128	44.6	30.8	46.2
54	49.8	42.8	64.2



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

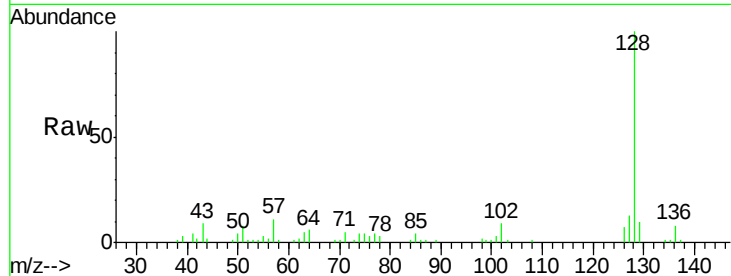




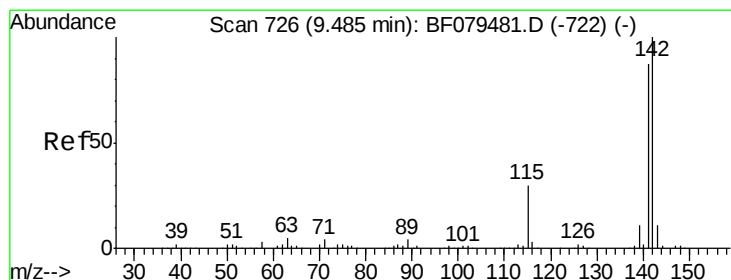
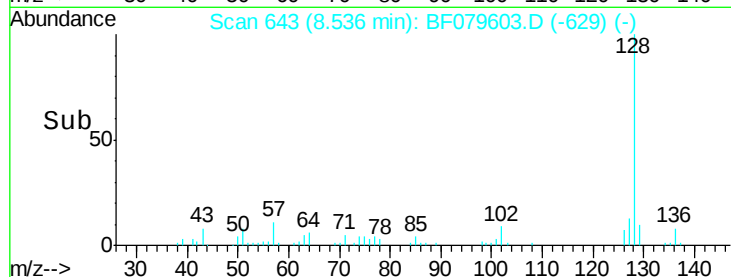
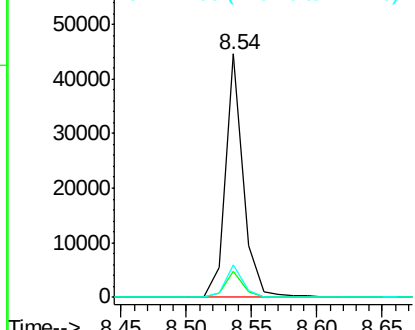
#31
Naphthalene
Concen: 3.20 ng
RT: 8.54 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.4(3)

Tgt Ion:128 Resp: 42378
Ion Ratio Lower Upper
128 100
129 10.4 9.3 13.9
127 13.4 10.6 15.8

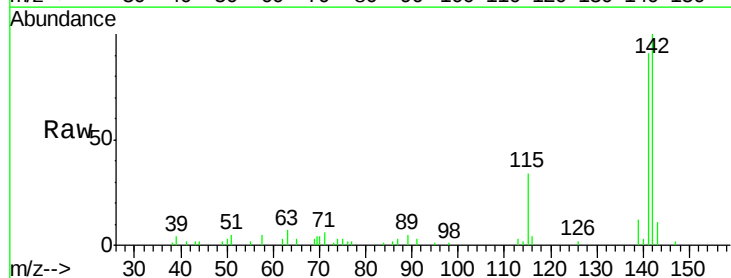


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

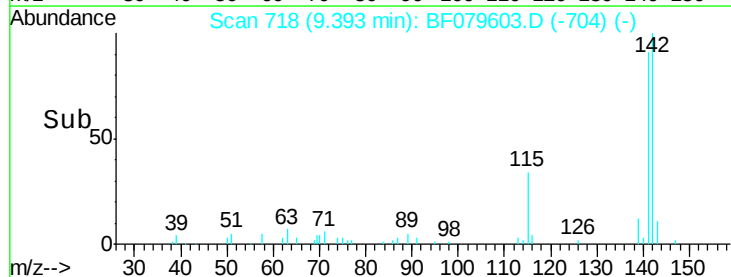
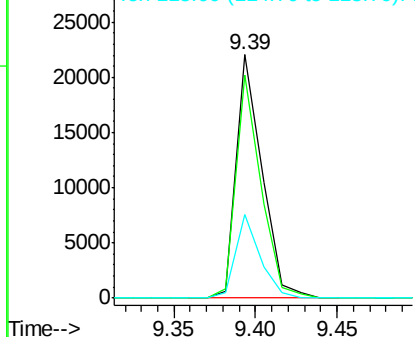


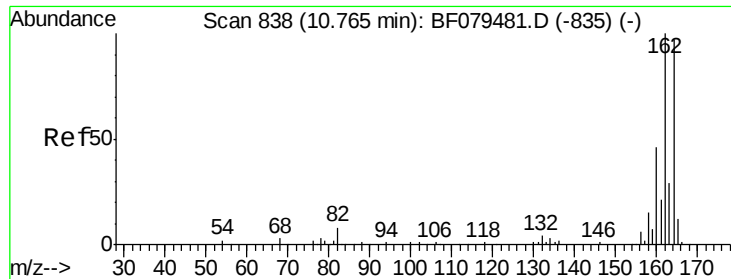
#37
2-Methylnaphthalene
Concen: 2.59 ng
RT: 9.39 min Scan# 718
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Tgt Ion:142 Resp: 23831
Ion Ratio Lower Upper
142 100
141 91.4 69.5 104.3
115 34.2 23.8 35.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

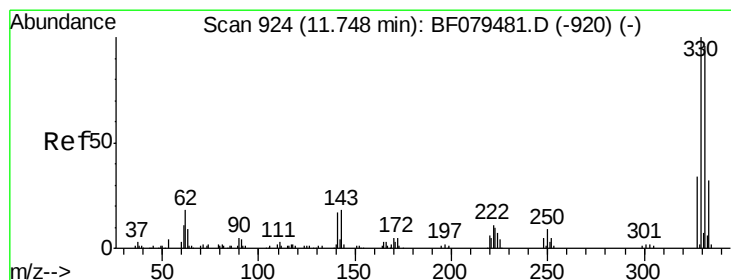
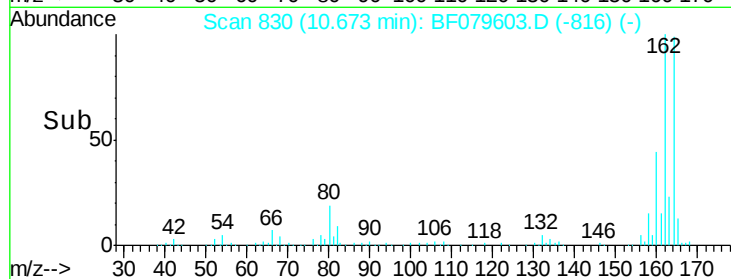
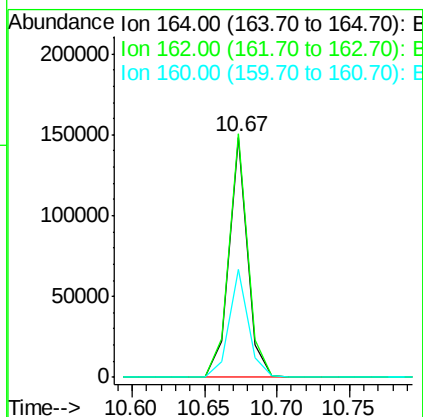
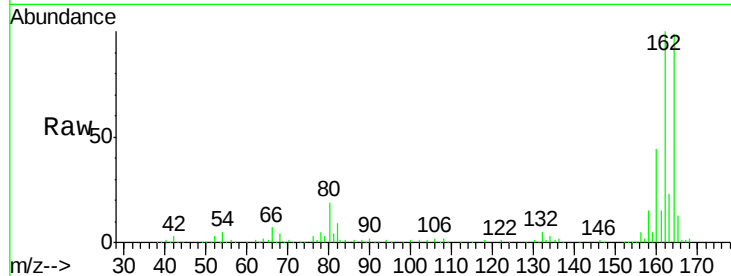




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.67 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

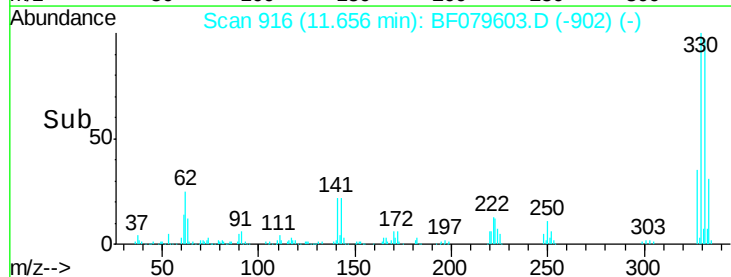
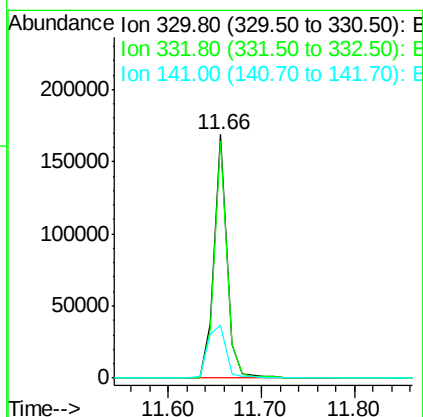
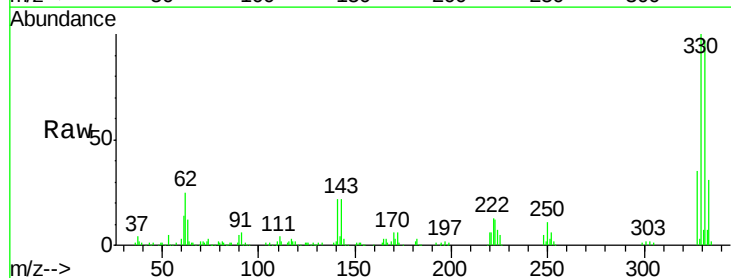
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PULASKIST7.4(3)

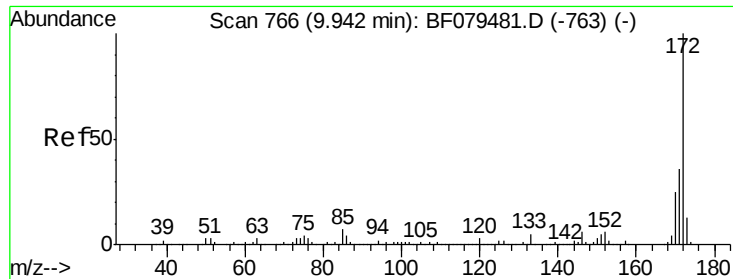
Tgt Ion:164 Resp: 132215
Ion Ratio Lower Upper
164 100
162 101.3 82.6 124.0
160 45.0 37.7 56.5



#41
2,4,6-Tribromophenol
Concen: 112.46 ng
RT: 11.66 min Scan# 916
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Tgt Ion:330 Resp: 163323
Ion Ratio Lower Upper
330 100
332 96.1 0.0 0.0#
141 32.0 0.0 0.0#

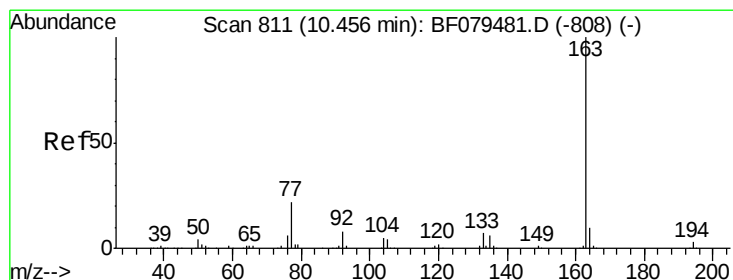
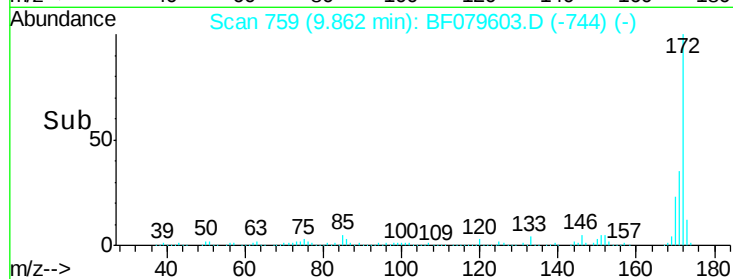
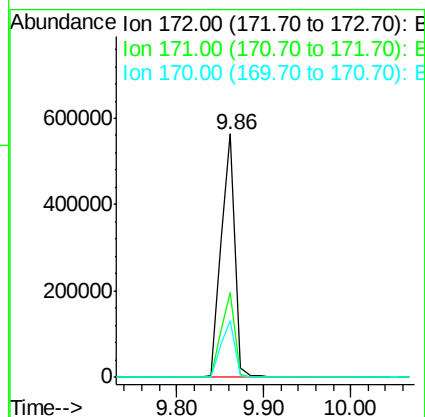
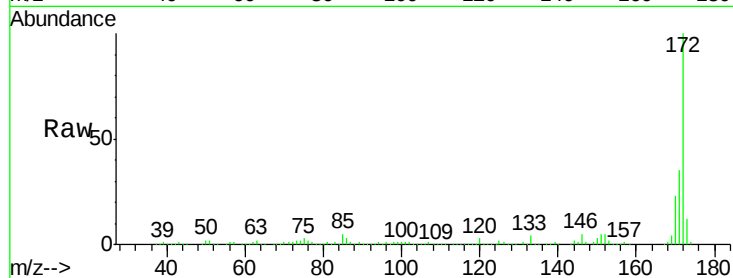




#44
2-Fluorobiphenyl
Concen: 68.29 ng
RT: 9.86 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

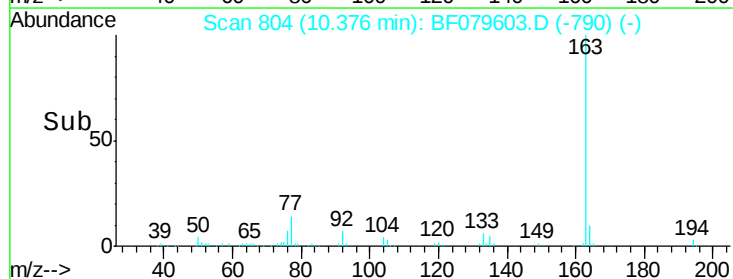
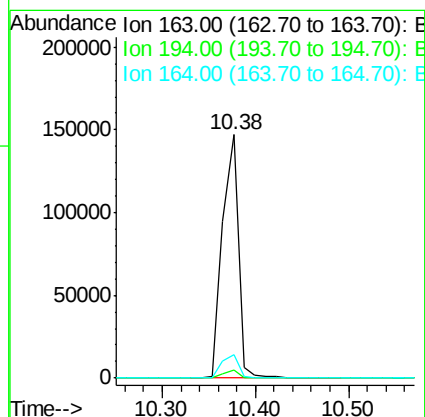
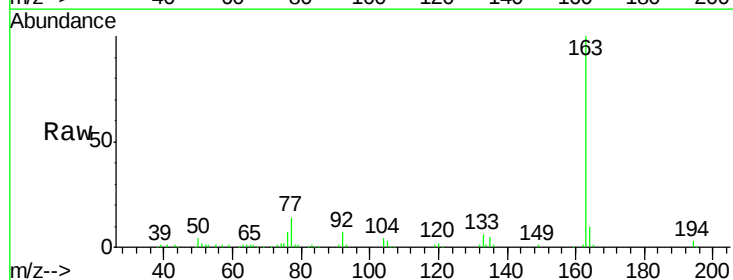
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PULASKIST7.4(3)

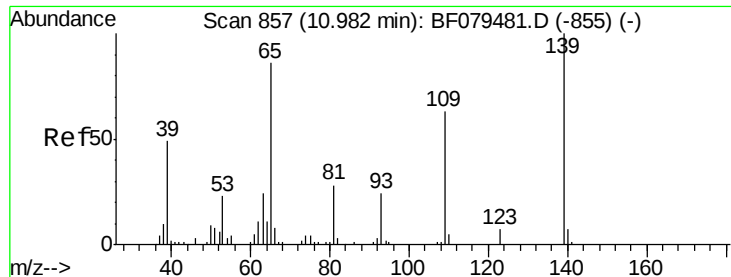
Tgt Ion:172 Resp: 632836
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.5 19.7 29.5



#49
Dimethylphthalate
Concen: 17.89 ng
RT: 10.38 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Tgt Ion:163 Resp: 174286
Ion Ratio Lower Upper
163 100
194 3.2 2.4 3.6
164 9.7 8.2 12.4

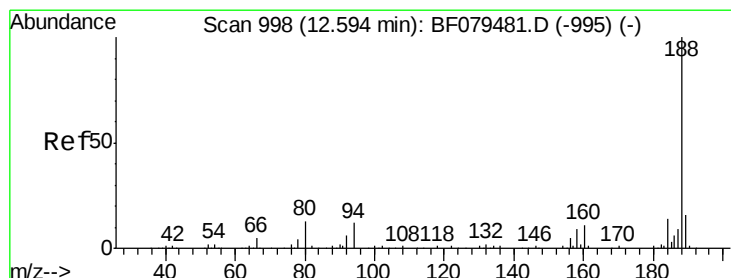
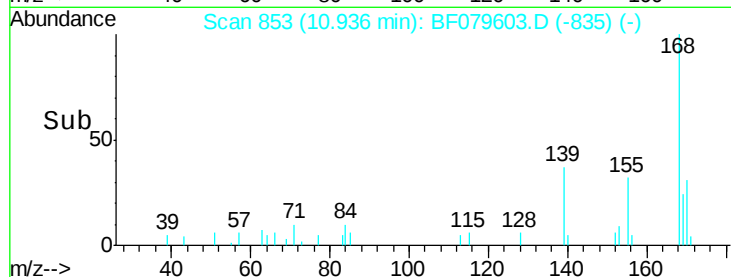
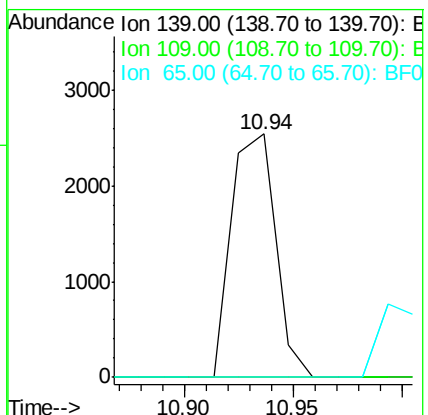
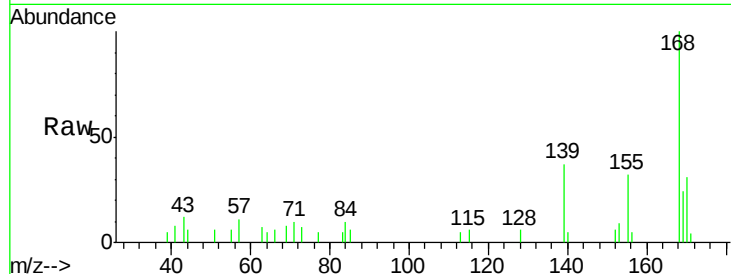




#55
 4-Nitrophenol
 Concen: 2.55 ng
 RT: 10.94 min Scan# 853
 Delta R.T. 0.01 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

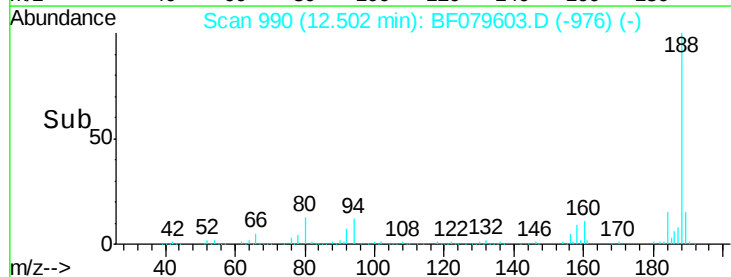
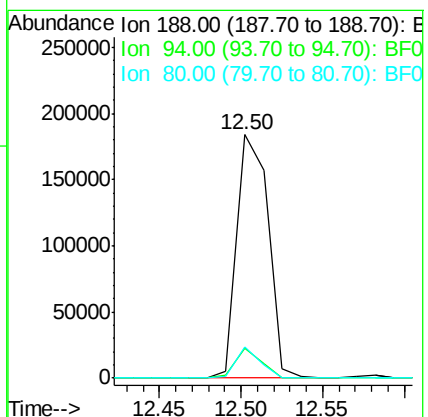
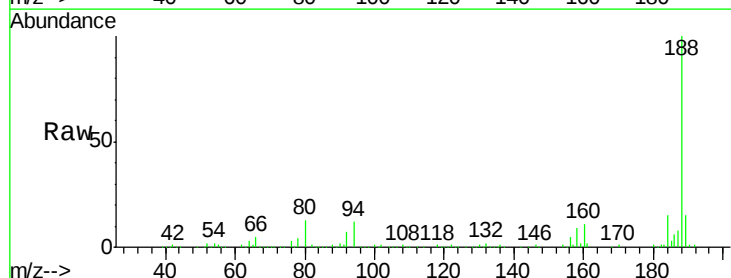
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 PULASKIST7.4(3)

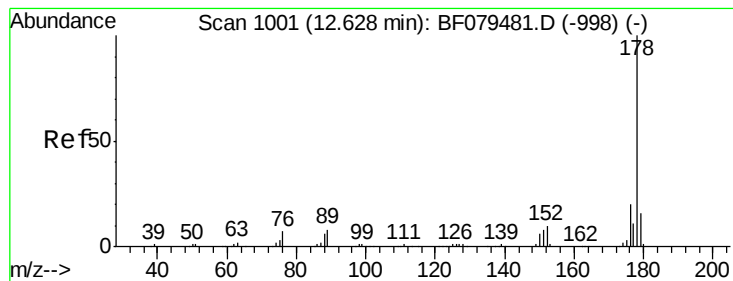
Tgt Ion:139 Resp: 3585
 Ion Ratio Lower Upper
 139 100
 109 0.0 42.8 82.8#
 65 0.0 66.3 106.3#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.50 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

Tgt Ion:188 Resp: 244150
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.8 14.6
 80 12.9 10.5 15.7





#70

Phenanthrene

Concen: 2.57 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.03 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.4(3)

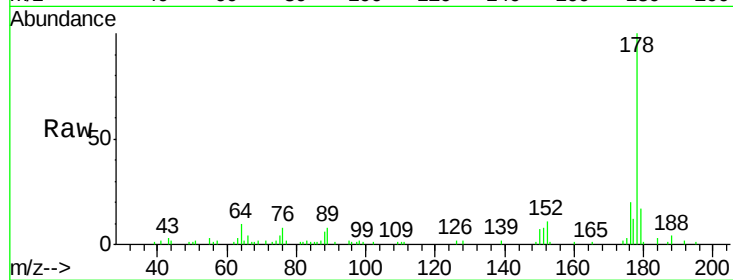
Tgt Ion:178 Resp: 34430

Ion Ratio Lower Upper

178 100

176 20.1 15.7 23.5

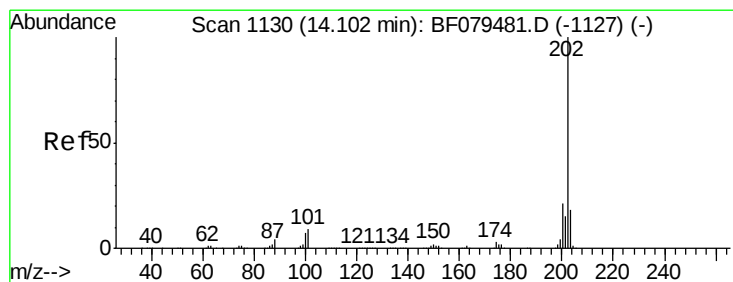
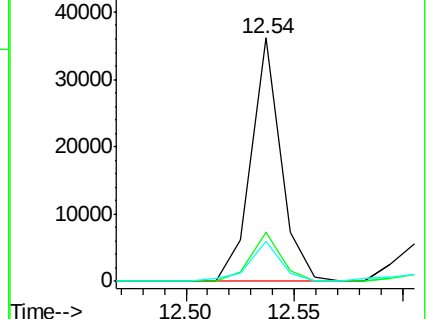
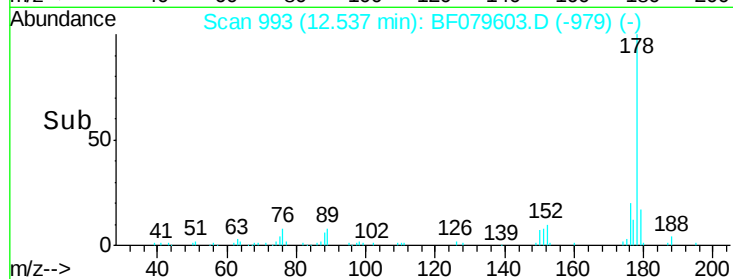
179 16.6 12.4 18.6



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: 2.47 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

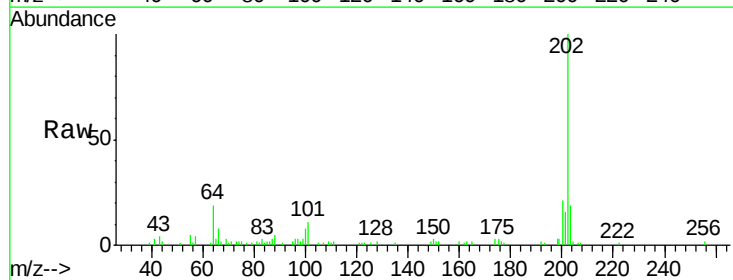
Tgt Ion:202 Resp: 35496

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.3

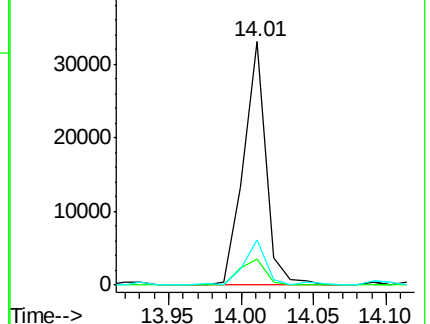
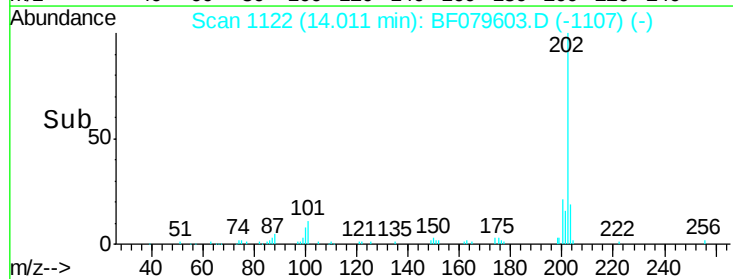
203 18.5 0.0 37.6

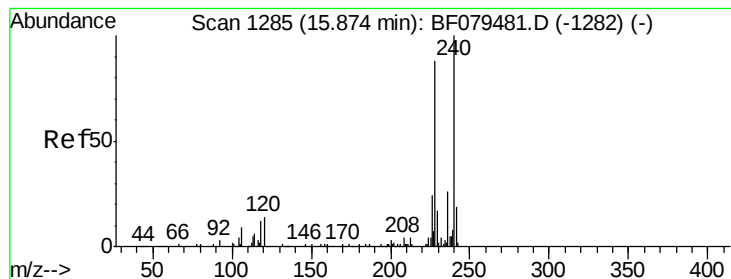


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.78 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.4(3)

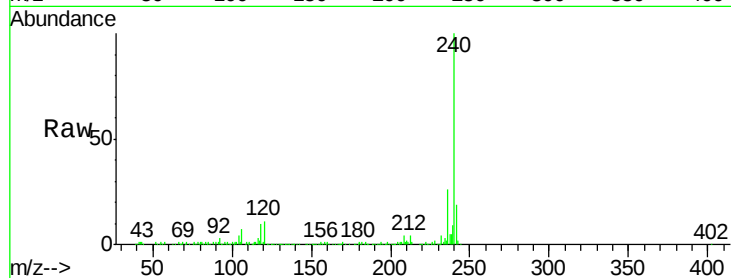
Tgt Ion:240 Resp: 244822

Ion Ratio Lower Upper

240 100

120 11.3 10.8 16.2

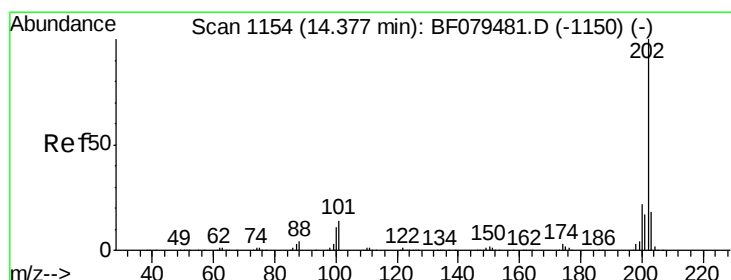
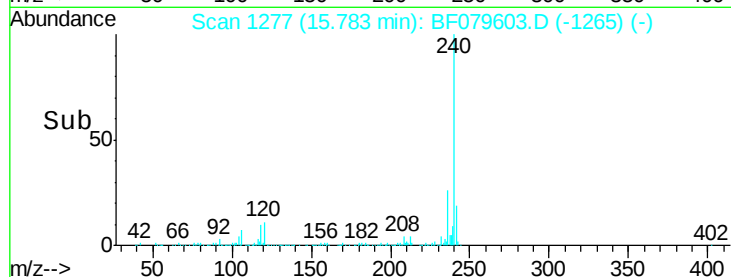
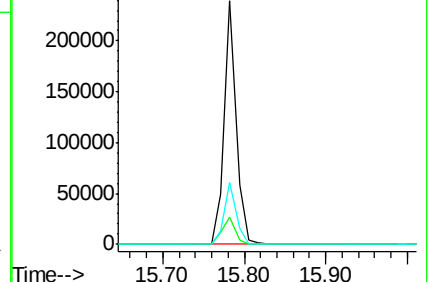
236 25.5 21.0 31.6



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: 2.27 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF079603.D

Acq: 30 May 2015 15:20

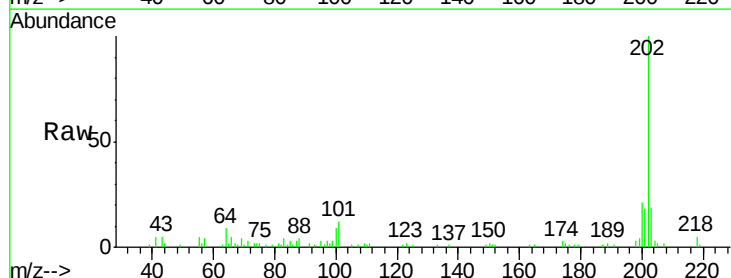
Tgt Ion:202 Resp: 34497

Ion Ratio Lower Upper

202 100

200 20.5 17.5 26.3

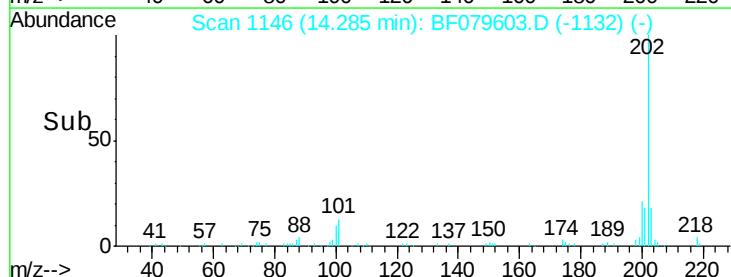
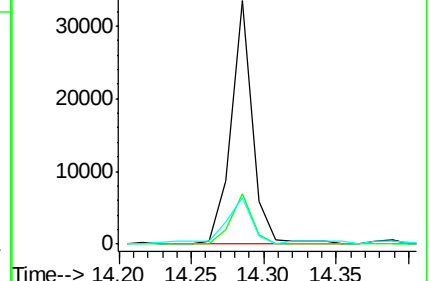
203 18.9 14.4 21.6

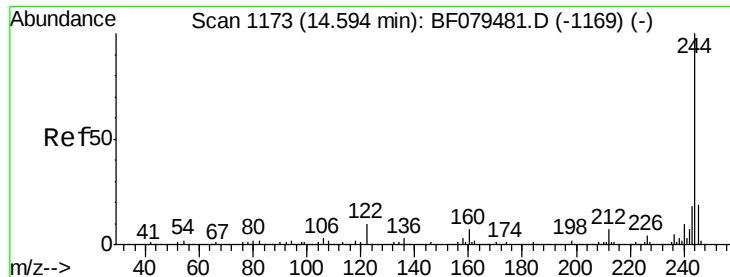


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

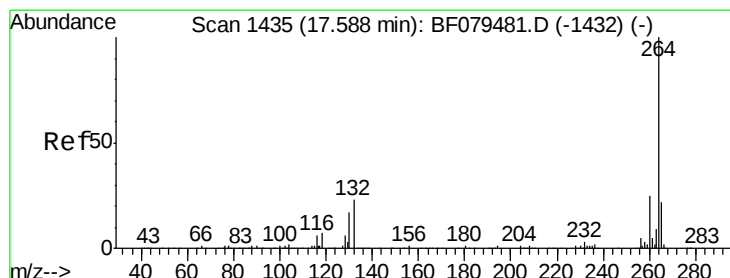
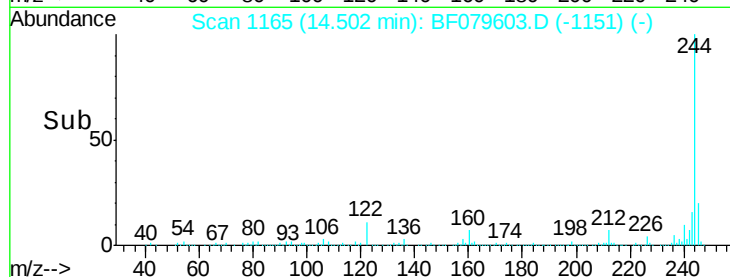
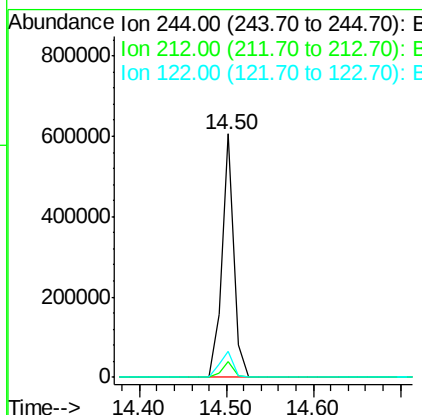
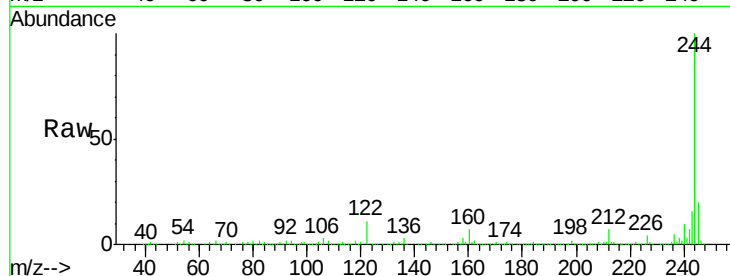




#78
 Terphenyl-d14
 Concen: 55.99 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

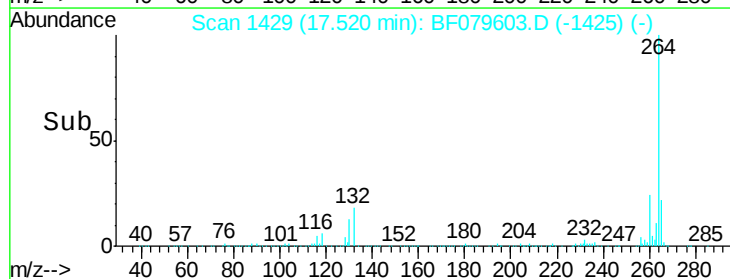
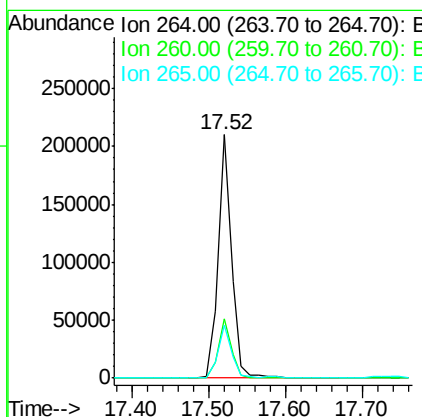
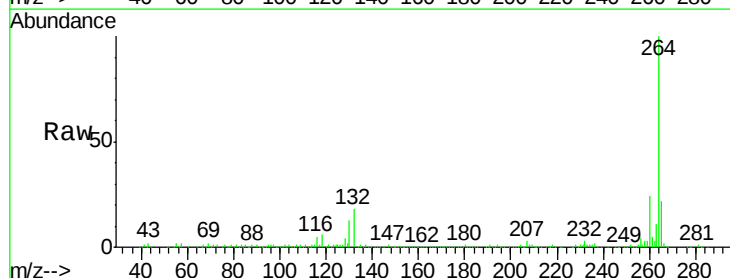
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.4(3)

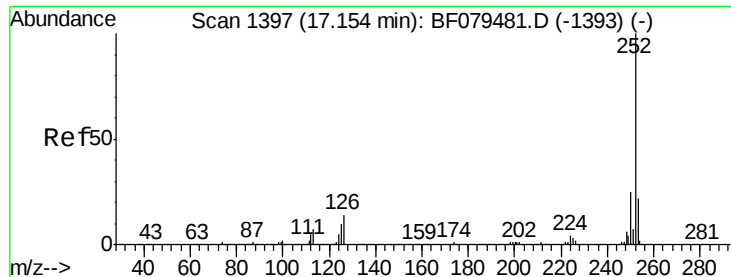
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.5	8.0	12.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.52 min Scan# 1429
 Delta R.T. -0.15 min
 Lab File: BF079603.D
 Acq: 30 May 2015 15:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	21.8	17.8	26.6

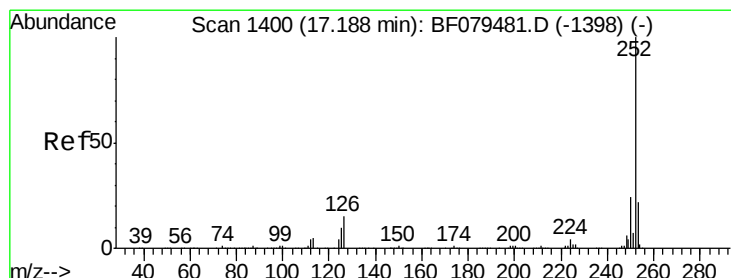
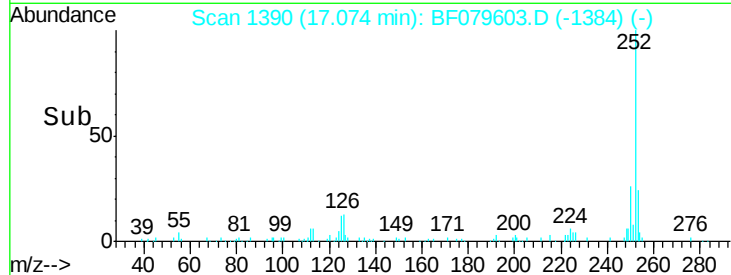
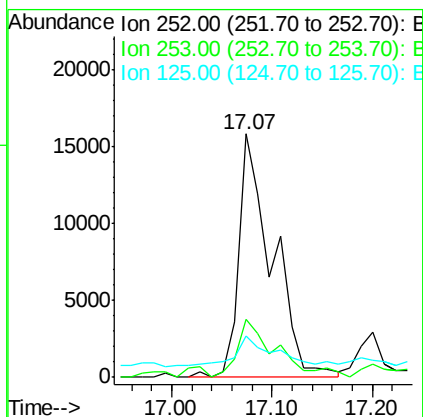
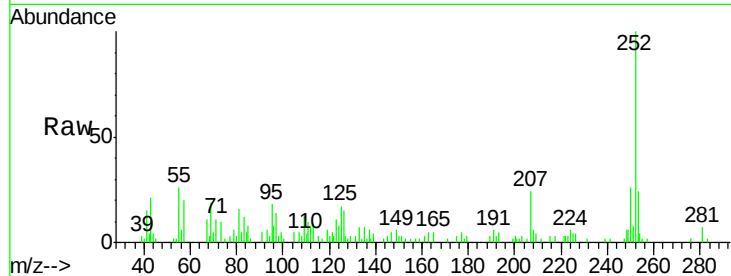




#87
Benzo(b)fluoranthene
Concen: 2.49 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.13 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.4(3)

Tgt Ion:252 Resp: 36506
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 17.2 7.8 11.6#



#88
Benzo(k)fluoranthene
Concen: 2.79 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.16 min
Lab File: BF079603.D
Acq: 30 May 2015 15:20

Tgt Ion:252 Resp: 36506
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 17.2 6.8 10.2#

