

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079616.D
 Acq On : 30 May 2015 21:37
 Operator : TP/IZ
 Sample : G2420-30
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.15(5)

Quant Time: May 31 05:50:21 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

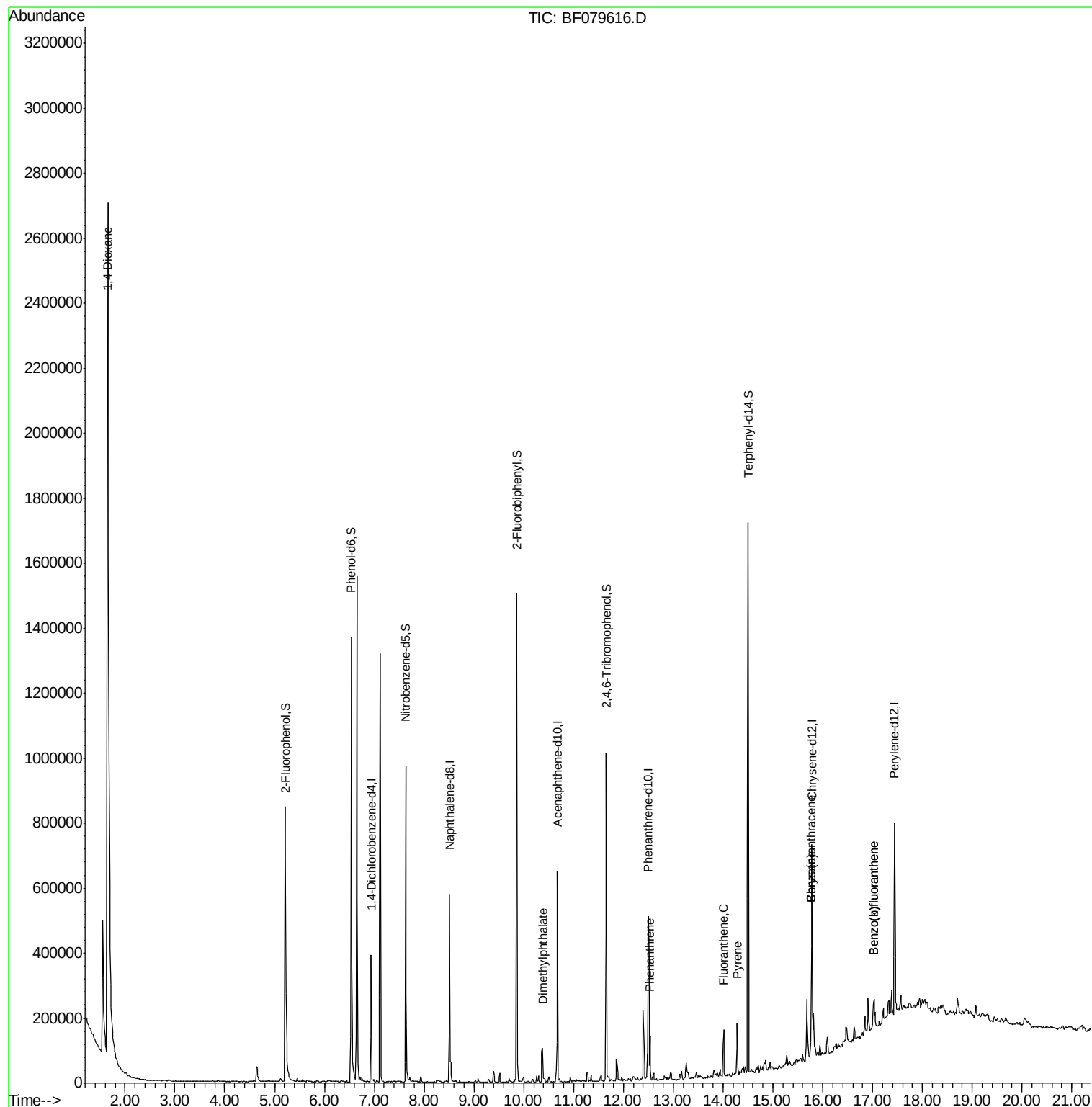
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	67991	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	282150	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	131455	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	247075	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	253992	20.00	ng	-0.06
86) Perylene-d12	17.44	264	211536	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	447359	114.12	ng	-0.01
7) Phenol-d6	6.54	99	582552	116.59	ng	-0.02
23) Nitrobenzene-d5	7.63	82	324776	66.54	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	151963	105.25	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	601865	65.32	ng	-0.02
78) Terphenyl-d14	14.50	244	604935	55.89	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	150315	80.61	ng	# 100
9) Benzaldehyde	6.40	77	241	Below Cal		# 21
49) Dimethylphthalate	10.38	163	64383	6.65	ng	100
70) Phenanthrene	12.54	178	51945	3.83	ng	99
73) Di-n-butylphthalate	13.27	149	2228	Below Cal		# 78
74) Fluoranthene	14.01	202	76876	5.29	ng	98
77) Pyrene	14.29	202	71530	4.55	ng	99
80) Benzo(a)anthracene	15.77	228	46603	3.19	ng	97
82) Chrysene	15.77	228	46603	3.36	ng	98
87) Benzo(b)fluoranthene	17.03	252	70488	5.84	ng	# 95
88) Benzo(k)fluoranthene	17.03	252	70488	6.53	ng	# 94
90) Dibenzo(a,h)anthracene	18.78	278	2072	Below Cal		# 17
91) Benzo(g,h,i)perylene	19.07	276	30403	Below Cal		96

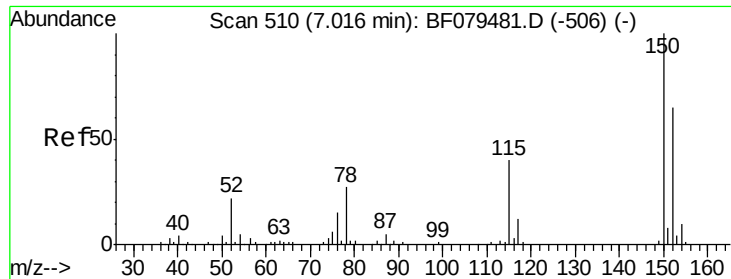
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079616.D

Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)

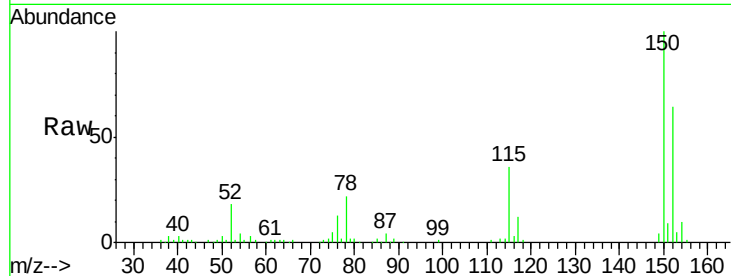
Tgt Ion:152 Resp: 67991

Ion Ratio Lower Upper

152 100

150 157.0 124.0 186.0

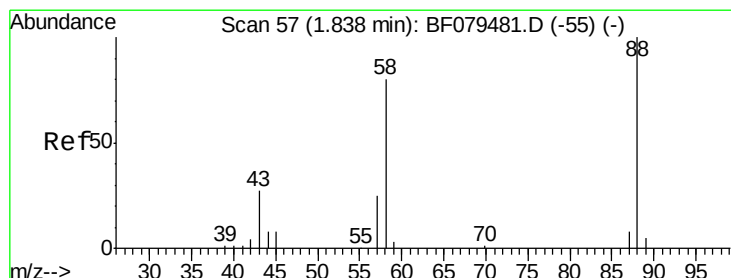
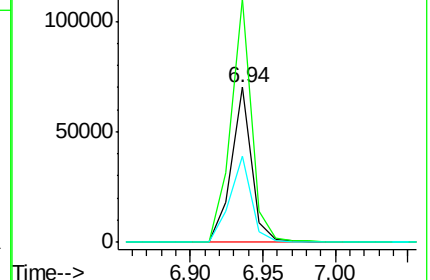
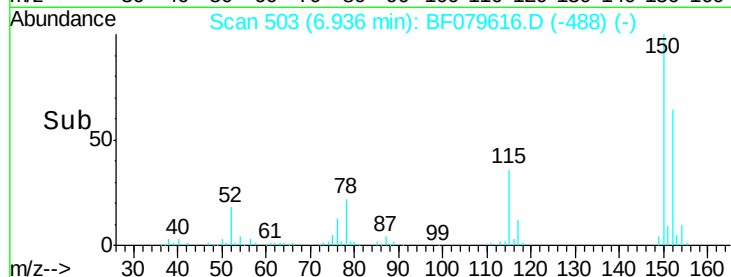
115 55.8 49.6 74.4



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: 80.61 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

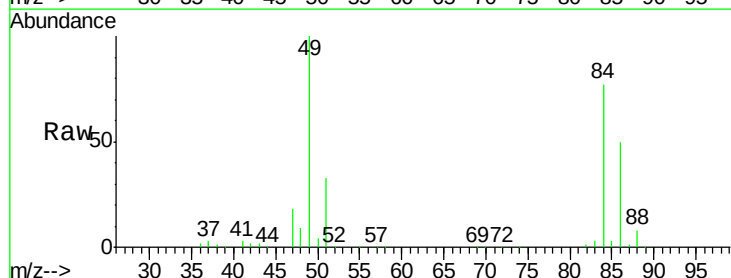
Tgt Ion: 88 Resp: 150315

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

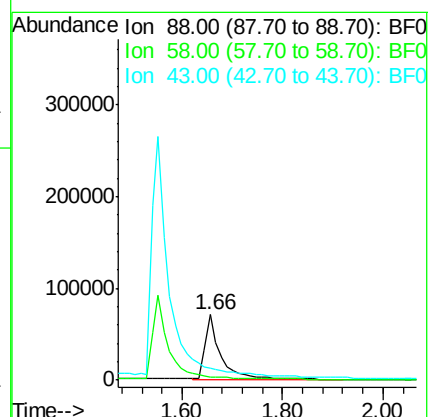
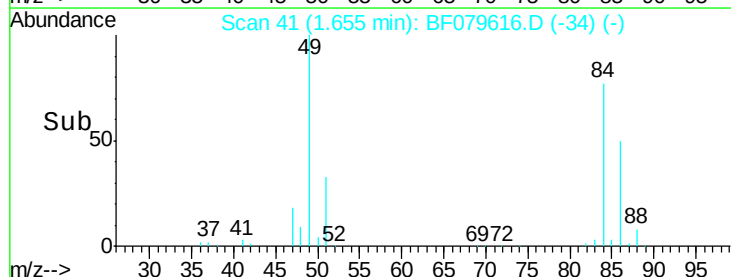
43 0.0 0.0 0.0

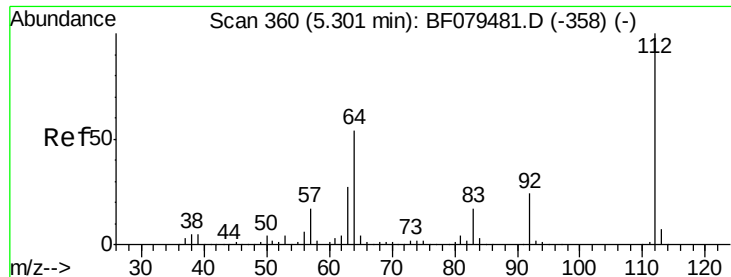


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 114.12 ng

RT: 5.22 min Scan# 353

Delta R.T. -0.01 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)

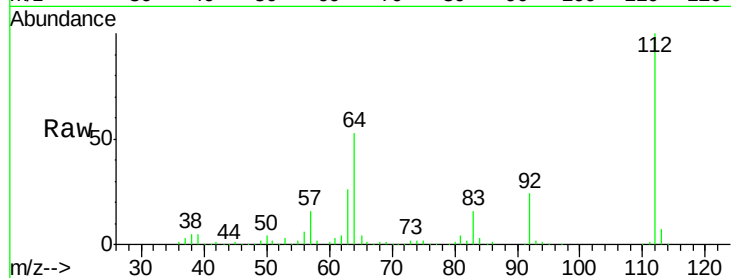
Tgt Ion: 112 Resp: 447359

Ion Ratio Lower Upper

112 100

64 52.9 43.5 65.3

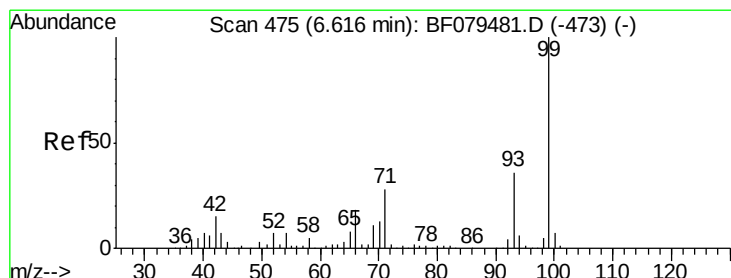
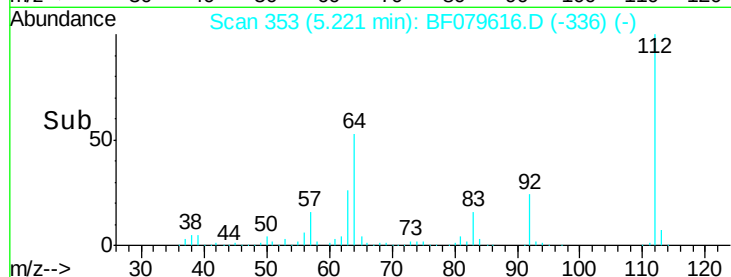
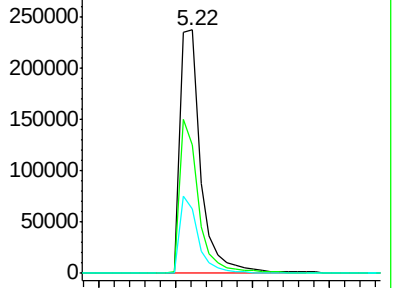
63 26.4 21.8 32.8



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: 116.59 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

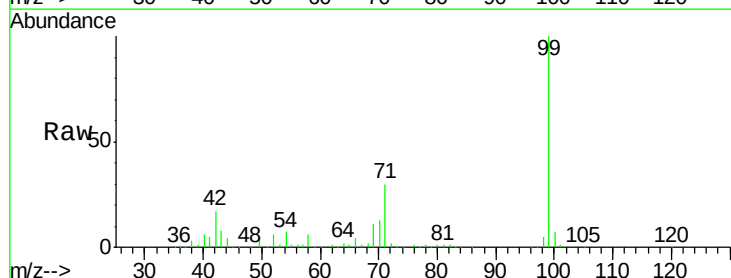
Tgt Ion: 99 Resp: 582552

Ion Ratio Lower Upper

99 100

42 16.6 11.9 17.9

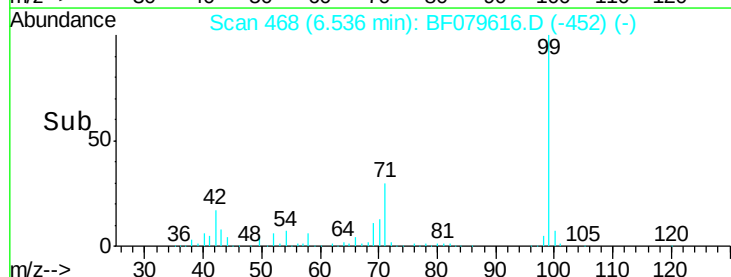
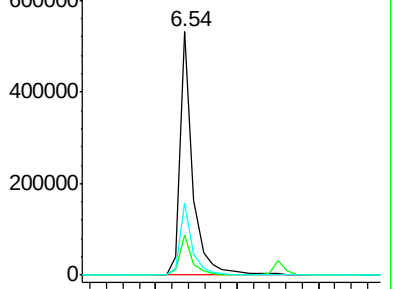
71 29.7 22.1 33.1

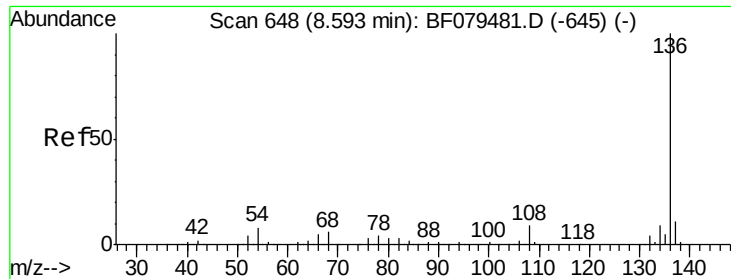


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

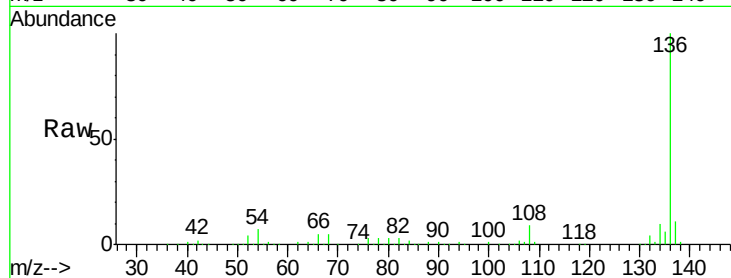




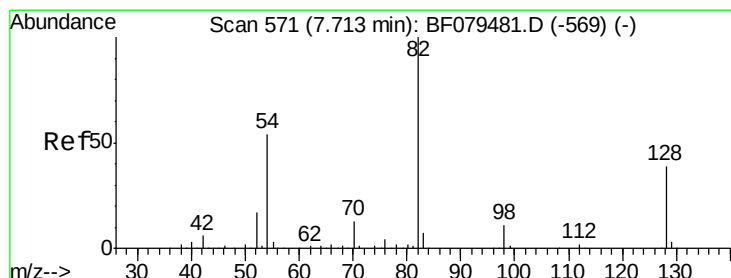
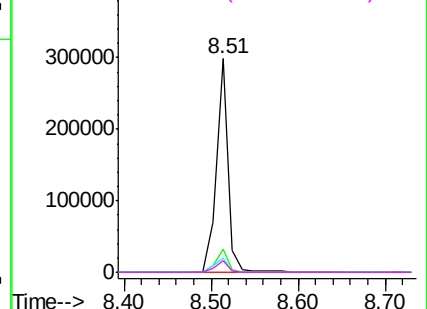
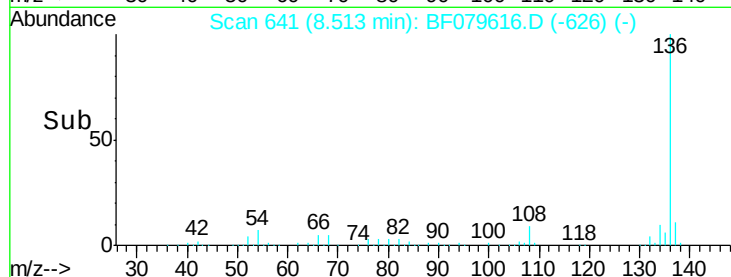
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

Instrument :
BNA_F
ClientSampleId :
PENRD8.15(5)

Tgt Ion:	136	Resp:	282150
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.6	6.6	9.8
68	5.3	4.7	7.1

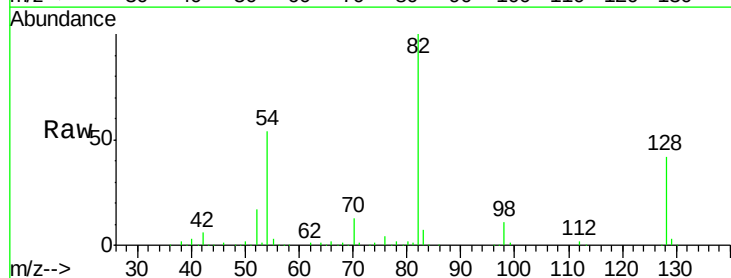


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

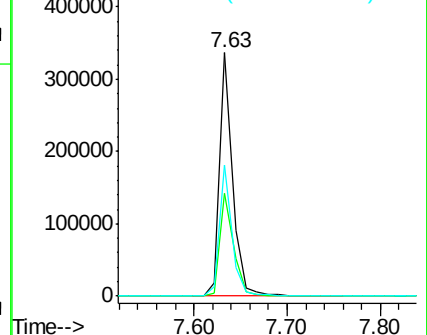
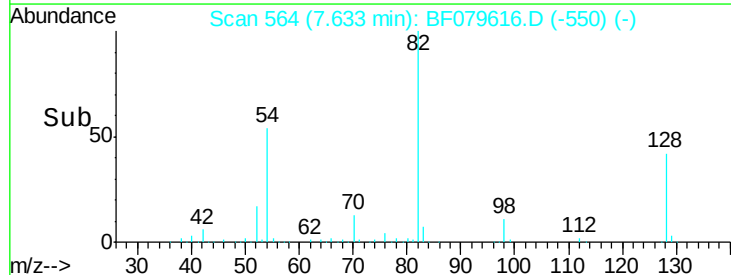


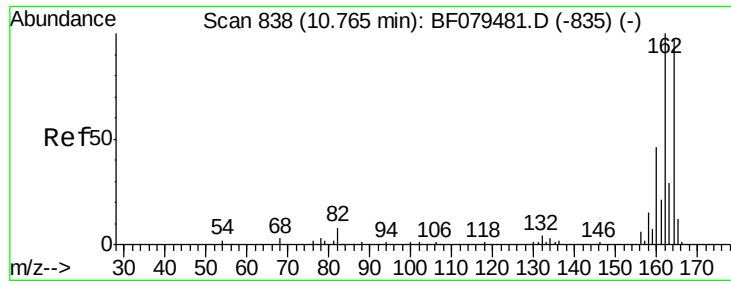
#23
Nitrobenzene-d5
Concen: 66.54 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

Tgt Ion:	82	Resp:	324776
Ion	Ratio	Lower	Upper
82	100		
128	42.1	30.8	46.2
54	53.9	42.8	64.2



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

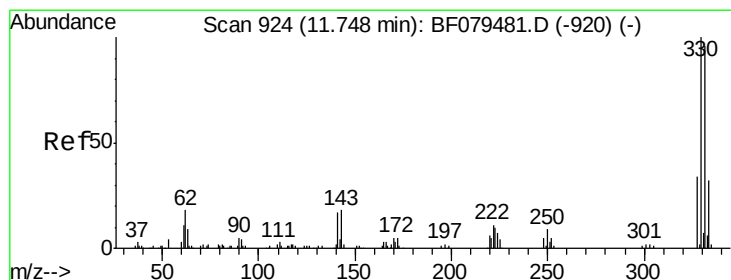
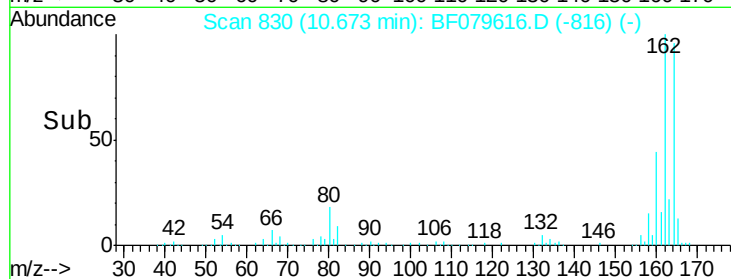
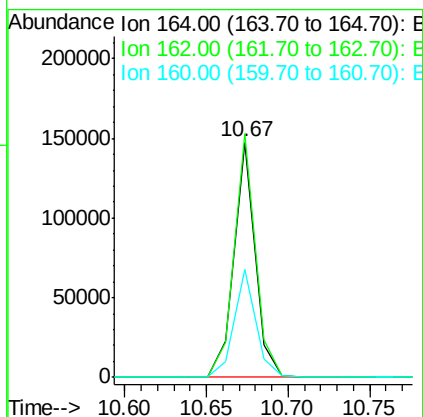
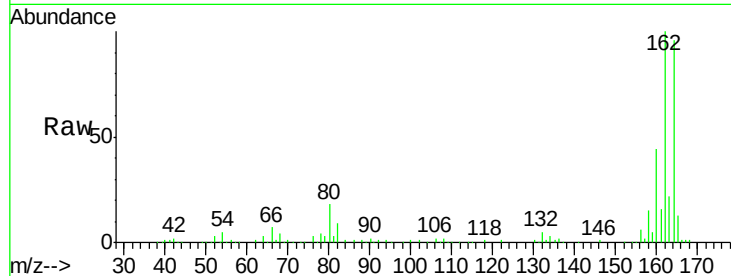




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079616.D
 Acq: 30 May 2015 21:37

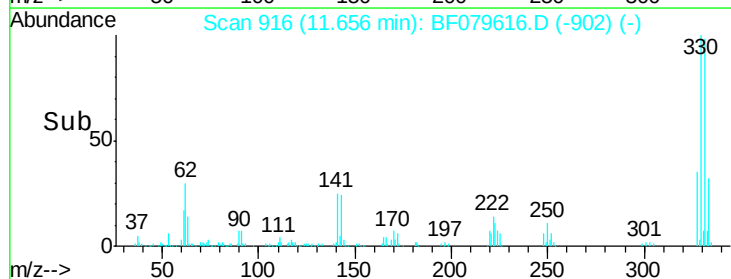
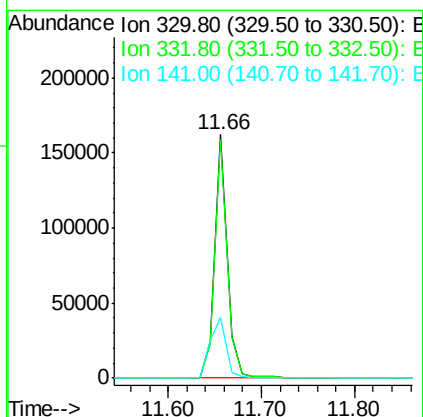
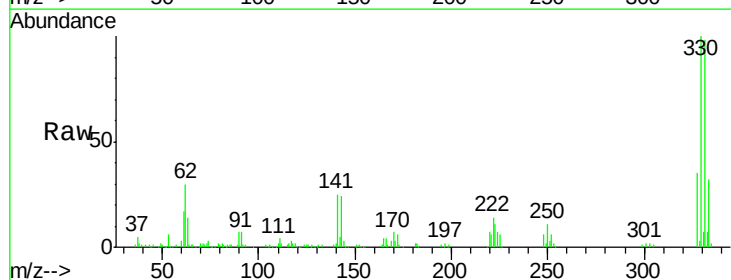
Instrument :
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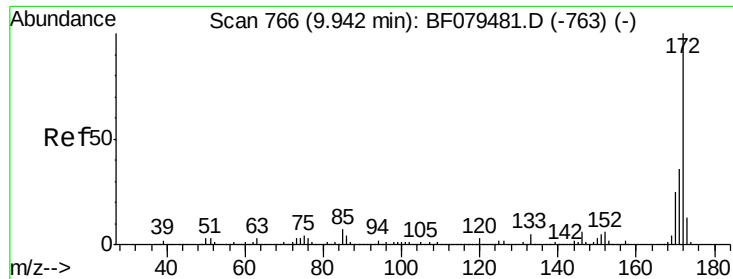
Tgt Ion:164 Resp: 131455
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 124.0
 160 45.8 37.7 56.5



#41
 2,4,6-Tribromophenol
 Concen: 105.25 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079616.D
 Acq: 30 May 2015 21:37

Tgt Ion:330 Resp: 151963
 Ion Ratio Lower Upper
 330 100
 332 97.8 0.0 0.0#
 141 32.7 0.0 0.0#

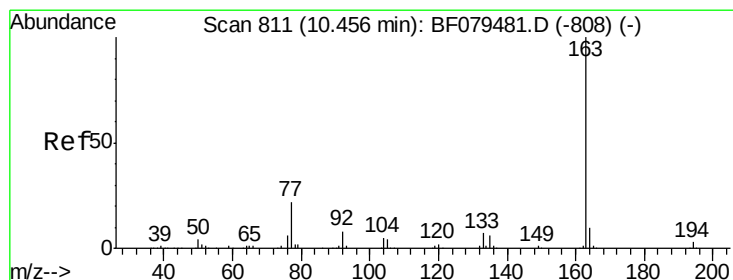
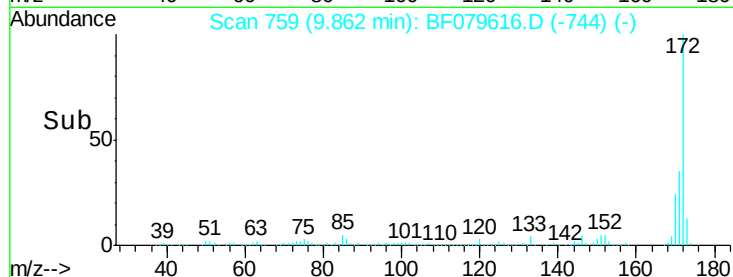
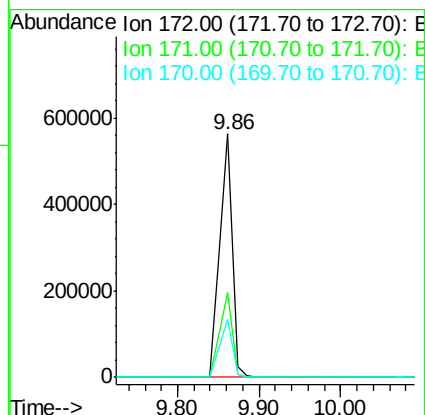
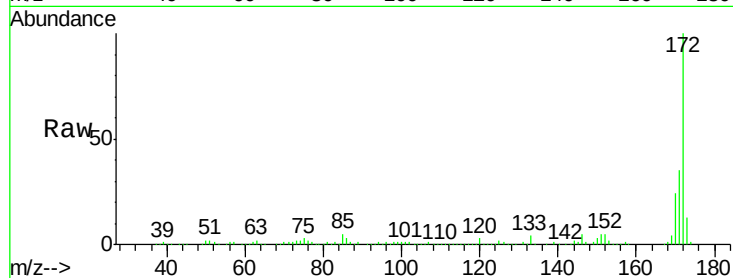




#44
 2-Fluorobiphenyl
 Concen: 65.32 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079616.D
 Acq: 30 May 2015 21:37

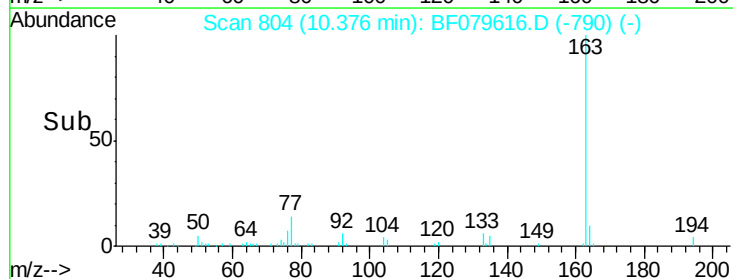
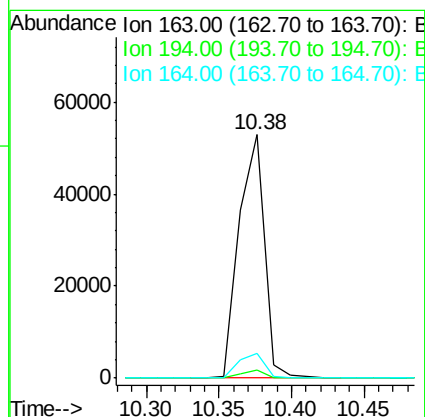
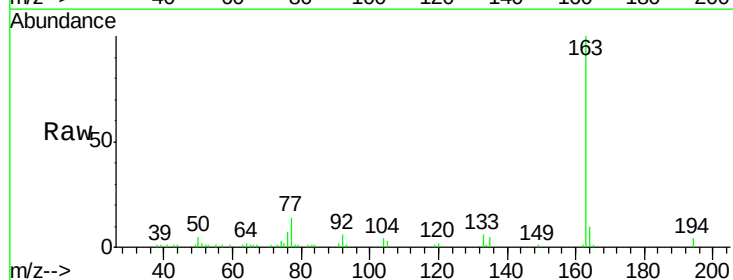
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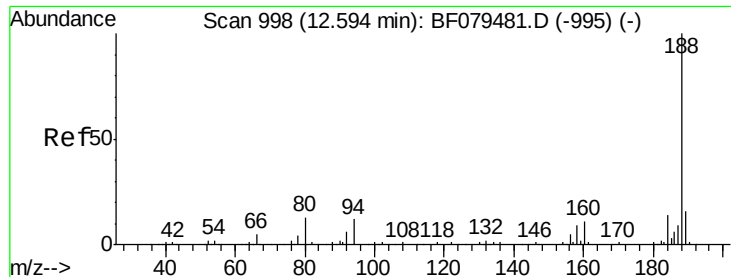
Tgt Ion:172 Resp: 601865
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 23.7 19.7 29.5



#49
 Dimethylphthalate
 Concen: 6.65 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079616.D
 Acq: 30 May 2015 21:37

Tgt Ion:163 Resp: 64383
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.4 3.6
 164 10.3 8.2 12.4

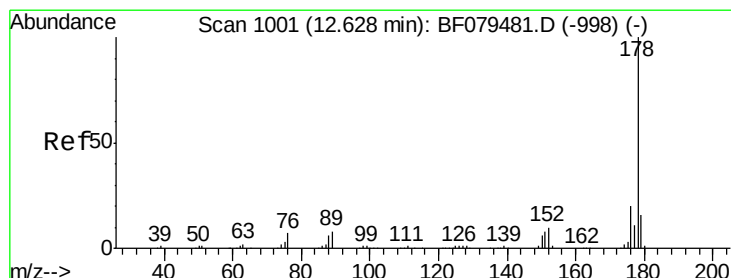
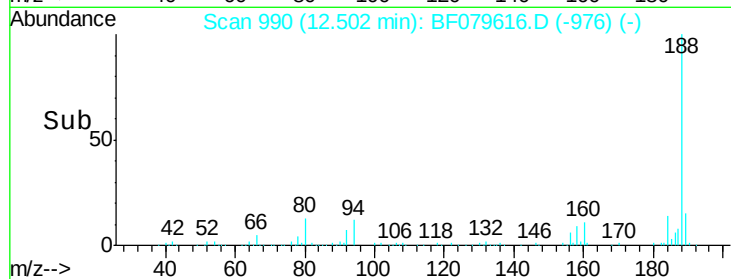
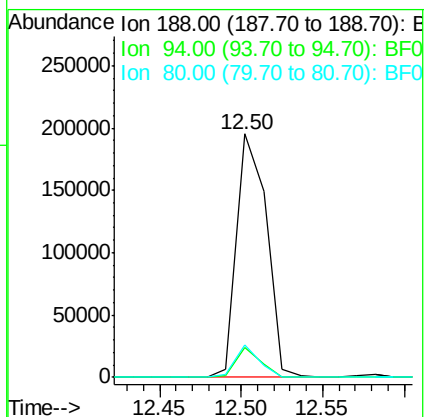
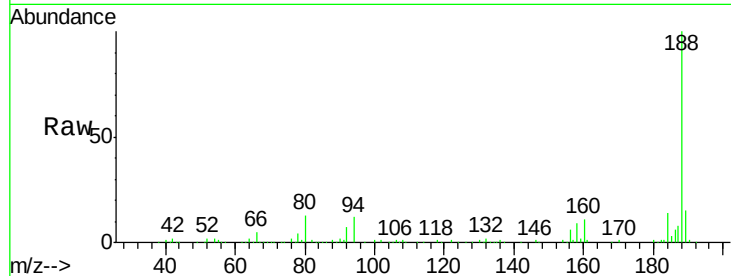




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.03 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

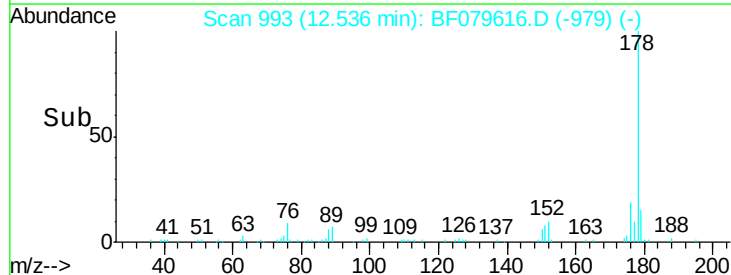
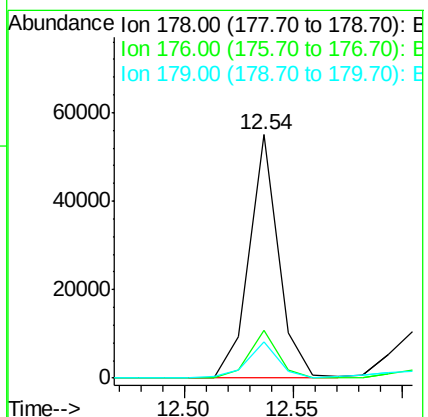
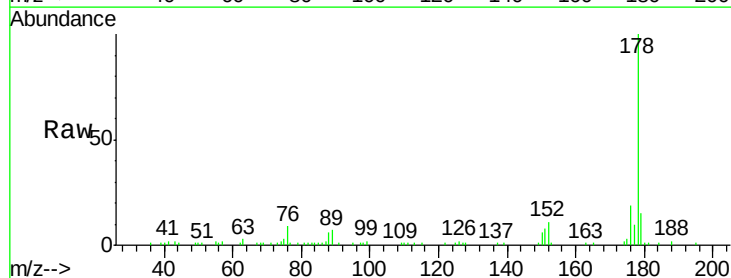
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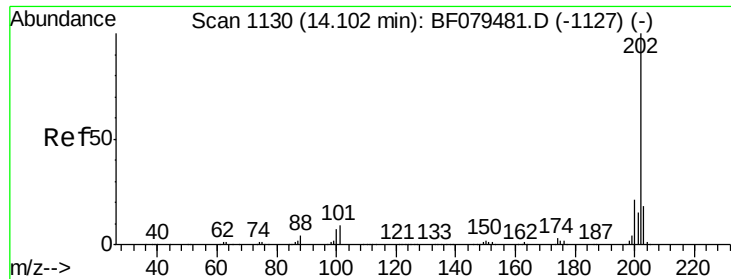
Tgt Ion:188 Resp: 247075
Ion Ratio Lower Upper
188 100
94 12.1 9.8 14.6
80 13.5 10.5 15.7



#70
Phenanthrene
Concen: 3.83 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.03 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

Tgt Ion:178 Resp: 51945
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.9 12.4 18.6





#74

Fluoranthene

Concen: 5.29 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)

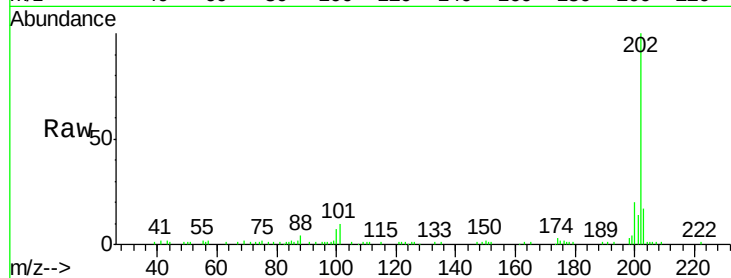
Tgt Ion:202 Resp: 76876

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.3

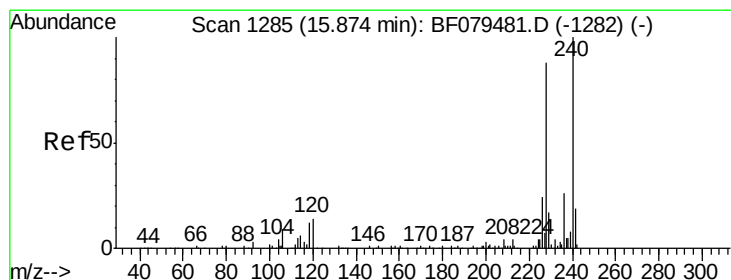
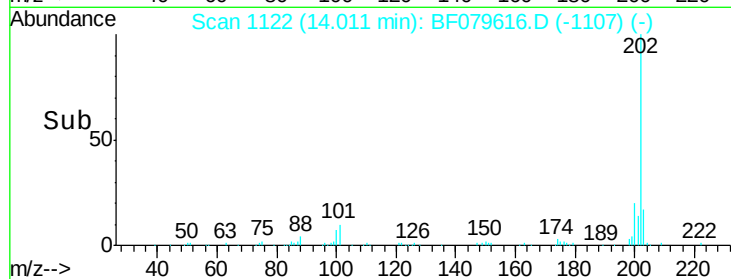
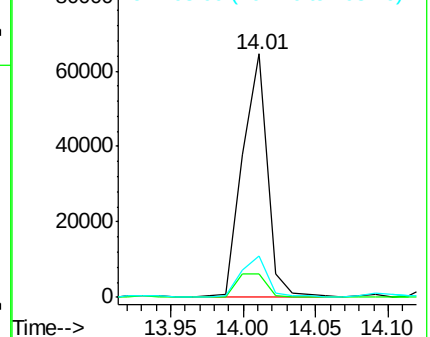
203 16.8 0.0 37.6



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: BF079616.D

Acq: 30 May 2015 21:37

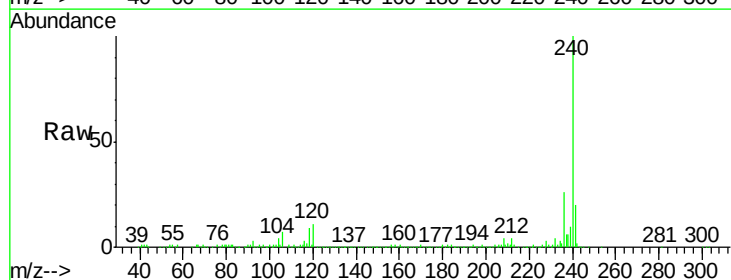
Tgt Ion:240 Resp: 253992

Ion Ratio Lower Upper

240 100

120 11.1 10.8 16.2

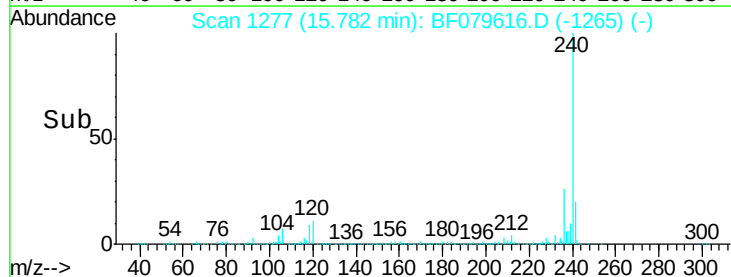
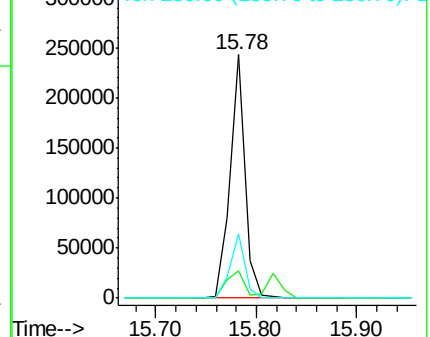
236 26.5 21.0 31.6

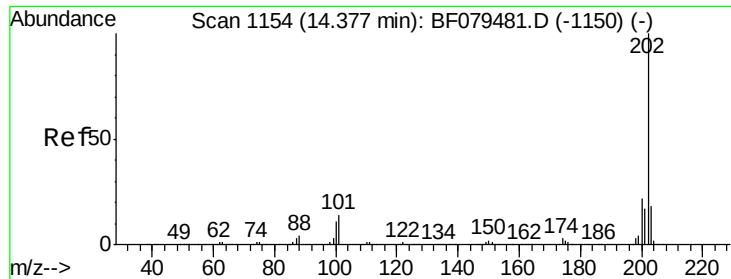


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.55 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)

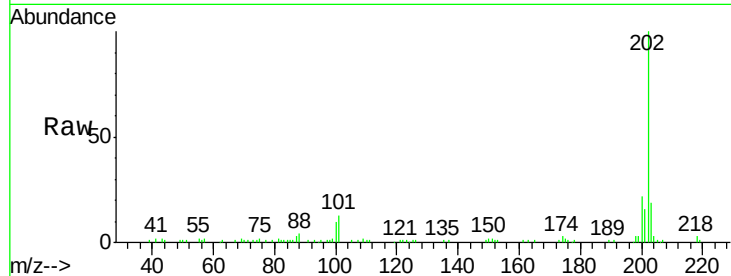
Tgt Ion:202 Resp: 71530

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

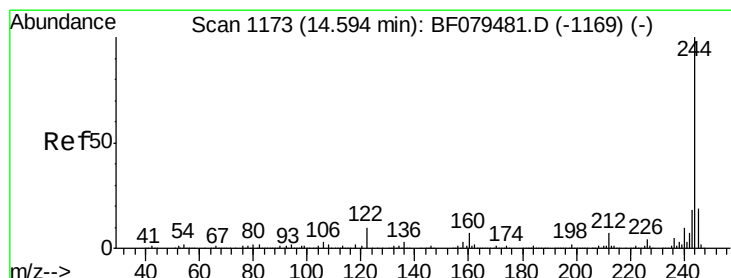
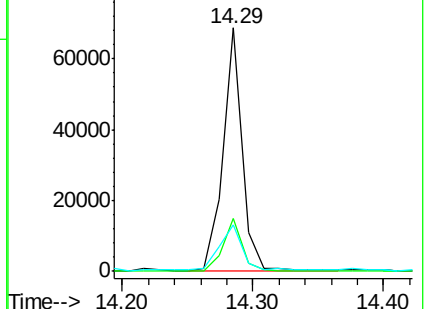
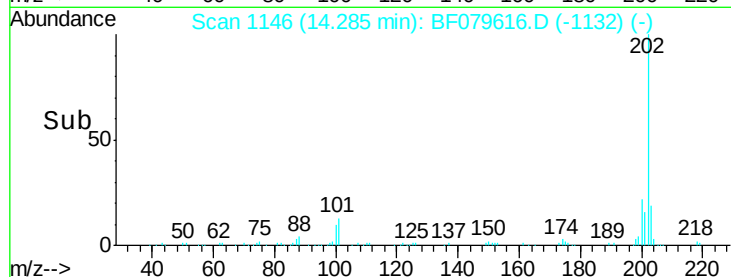
203 19.3 14.4 21.6



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: 55.89 ng

RT: 14.50 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

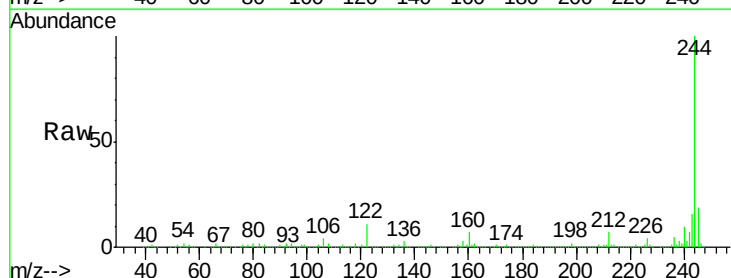
Tgt Ion:244 Resp: 604935

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

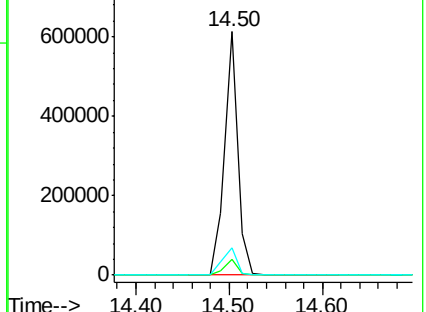
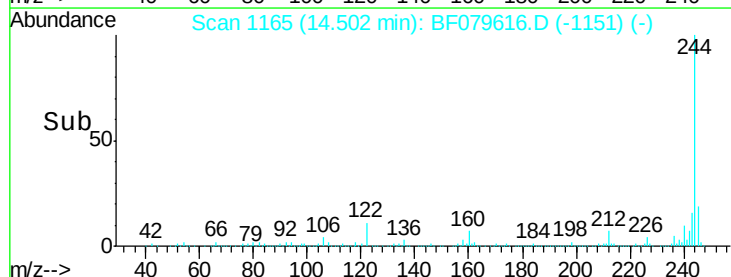
122 11.5 8.0 12.0

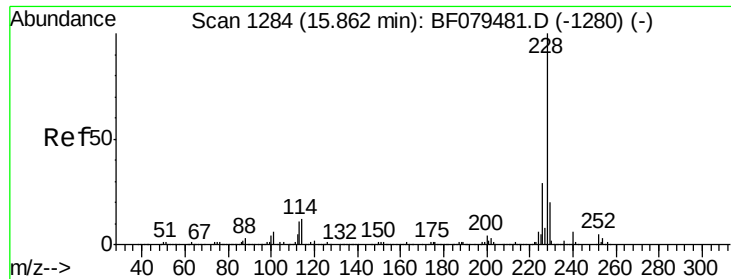


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.19 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.06 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)

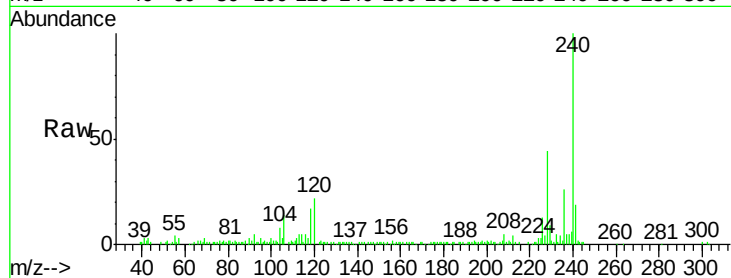
Tgt Ion:228 Resp: 46603

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

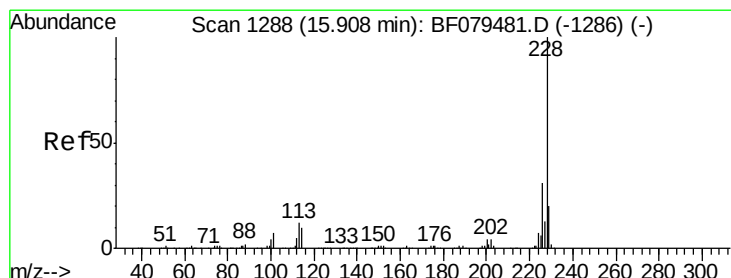
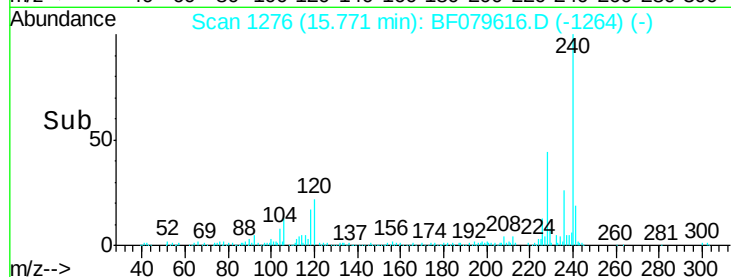
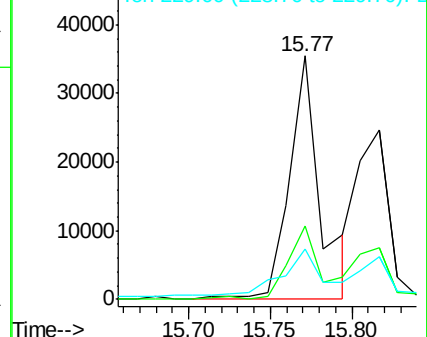
229 20.6 15.9 23.9



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: 3.36 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.10 min

Lab File: BF079616.D

Acq: 30 May 2015 21:37

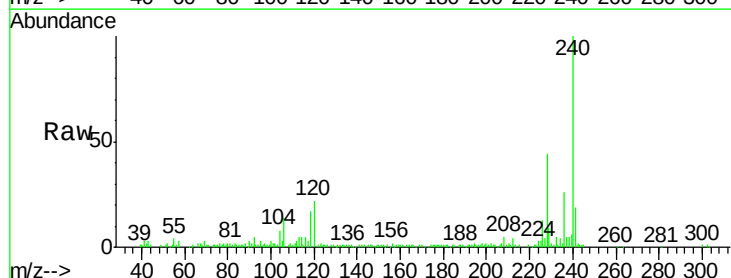
Tgt Ion:228 Resp: 46603

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.4

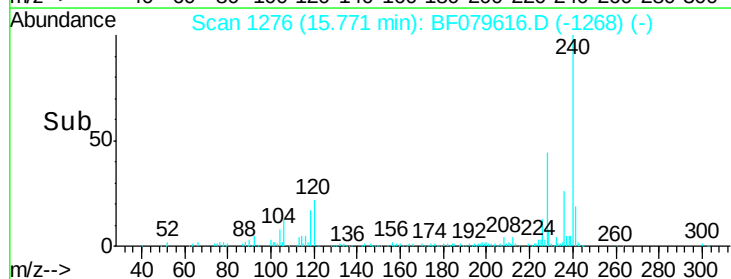
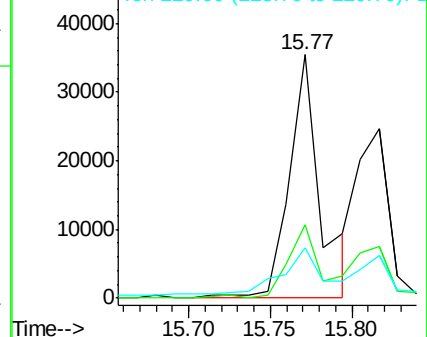
229 20.6 15.9 23.9

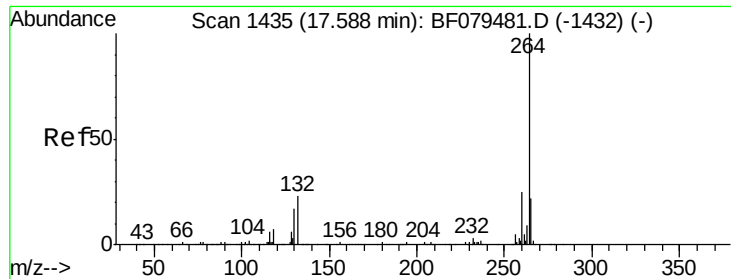


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

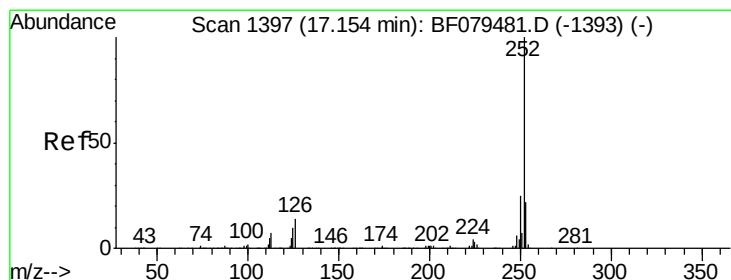
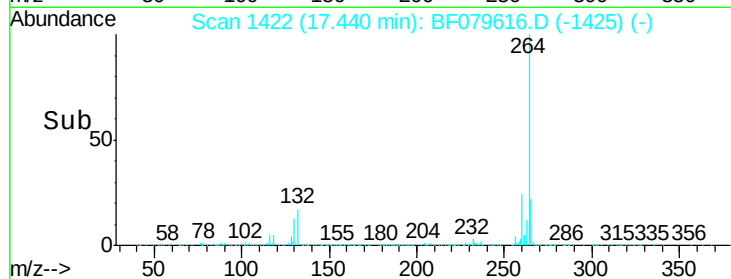
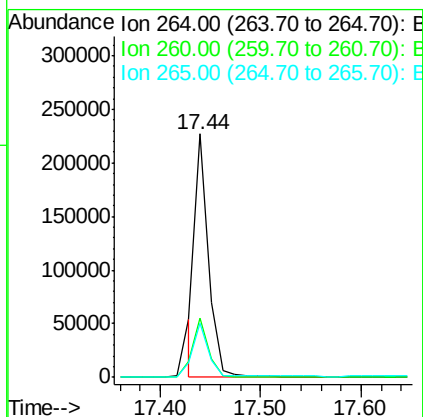
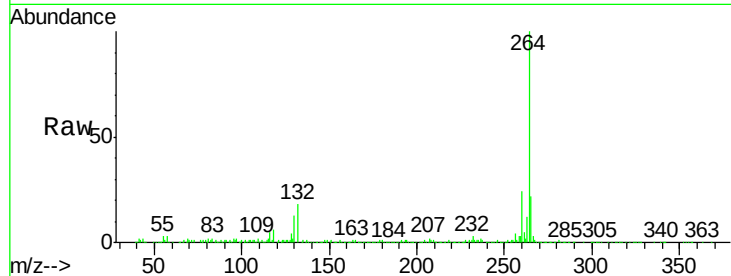




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.23 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

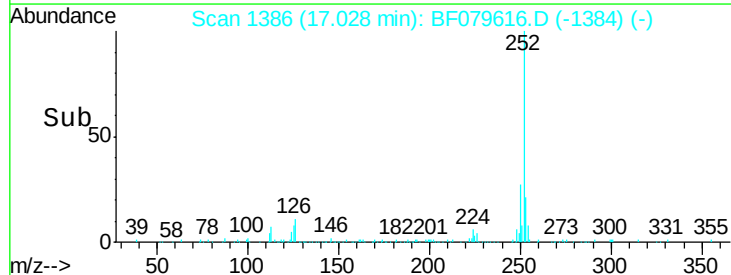
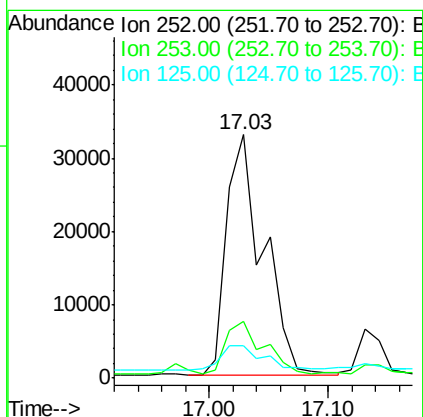
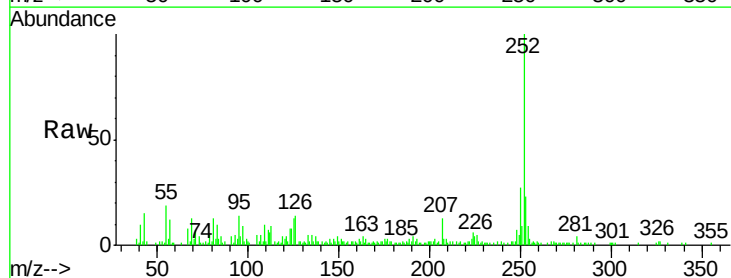
Instrument :
BNA_F
ClientSampleId :
PENRD8.15(5)

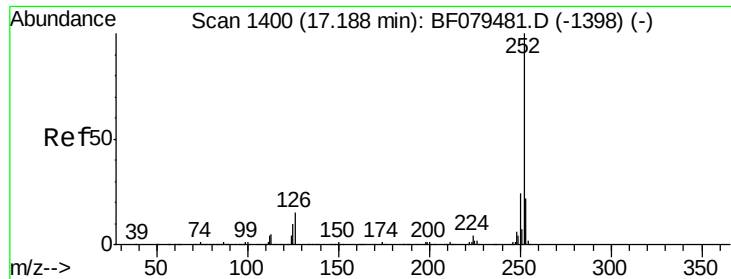
Tgt Ion:264 Resp: 211536
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.8
265 22.2 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 5.84 ng
RT: 17.03 min Scan# 1386
Delta R.T. -0.17 min
Lab File: BF079616.D
Acq: 30 May 2015 21:37

Tgt Ion:252 Resp: 70488
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.3 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 6.53 ng

RT: 17.03 min Scan# 1386

Delta R.T. -0.21 min

Lab File: BF079616.D

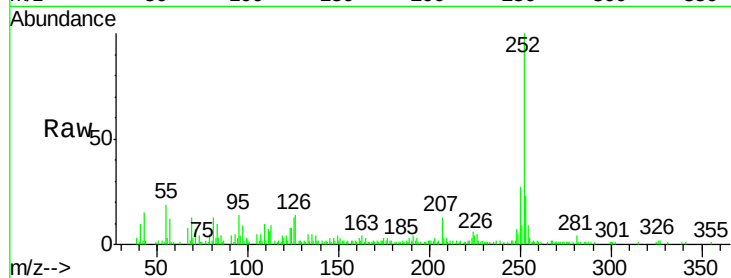
Acq: 30 May 2015 21:37

Instrument :

BNA_F

ClientSampleId :

PENRD8.15(5)



Tgt Ion:	252	Resp:	70488
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	13.3	6.8	10.2#

