

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079611.D
 Acq On : 30 May 2015 19:12
 Operator : TP/IZ
 Sample : G2420-22
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.11(5)

Quant Time: May 31 05:48:58 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

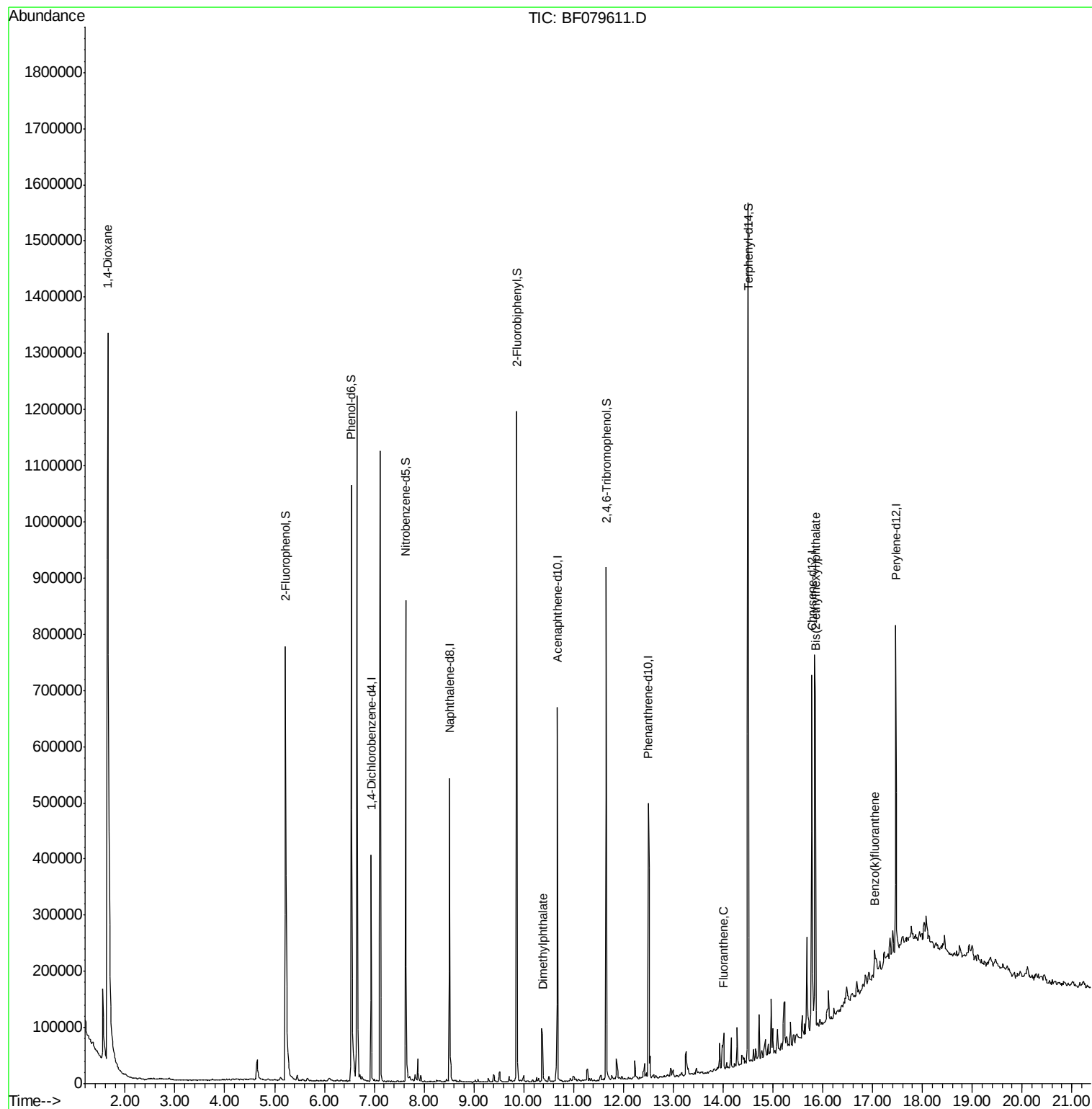
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	70354	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	275334	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	135992	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	249625	20.00	ng	-0.03
75) Chrysene-d12	15.78	240	269033	20.00	ng	-0.06
86) Perylene-d12	17.46	264	266720	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	383386	94.52	ng	-0.01
7) Phenol-d6	6.54	99	516737	99.95	ng	-0.02
23) Nitrobenzene-d5	7.63	82	284444	59.72	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	147393	98.68	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	523668	54.94	ng	-0.02
78) Terphenyl-d14	14.50	244	566242	49.39	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	71295	36.95	ng	# 100
9) Benzaldehyde	6.40	77	215	Below Cal	#	35
49) Dimethylphthalate	10.38	163	59380	5.93	ng	# 96
73) Di-n-butylphthalate	13.27	149	3082	Below Cal	#	81
74) Fluoranthene	14.01	202	32678	2.23	ng	98
83) Bis(2-ethylhexyl)phthalate	15.85	149	257731	24.00	ng	# 95
88) Benzo(k)fluoranthene	17.04	252	36119	2.66	ng	# 80
89) Benzo(a)pyrene	17.41	252	16387	Below Cal	#	83
90) Dibenzo(a,h)anthracene	18.82	278	845	Below Cal	#	1
91) Benzo(g,h,i)perylene	19.11	276	13207	Below Cal	#	82

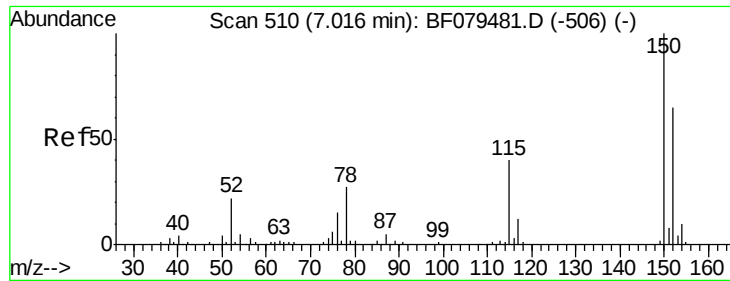
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079611.D

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BNA_F

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PENRD8.11(5)

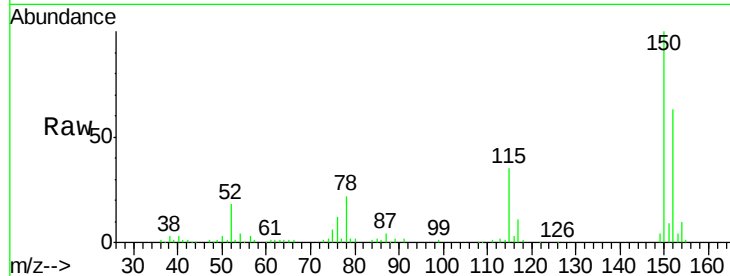
Tgt Ion:152 Resp: 70354

Ion Ratio Lower Upper

152 100

150 157.5 124.0 186.0

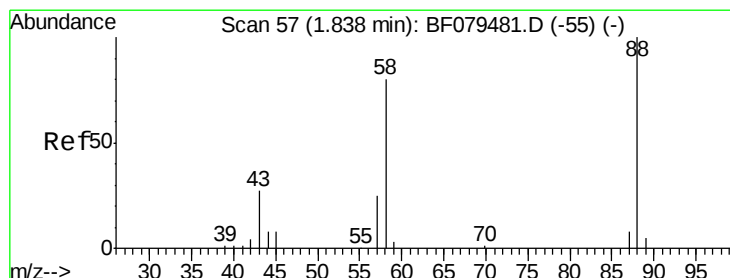
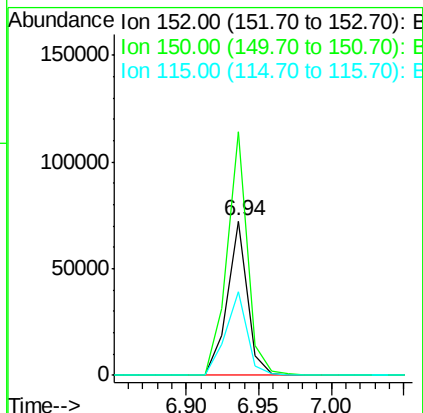
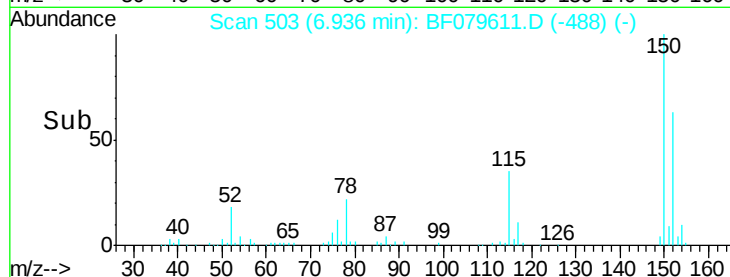
115 54.5 49.6 74.4



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: 36.95 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079611.D

Acq: 30 May 2015 19:12

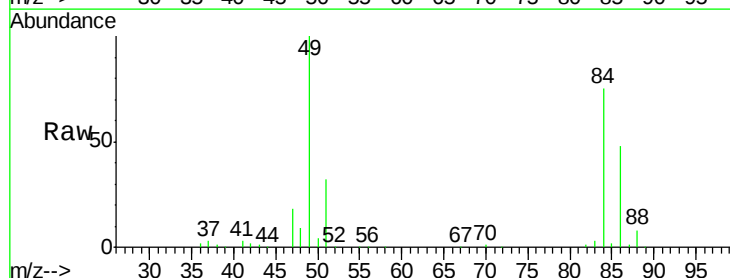
Tgt Ion: 88 Resp: 71295

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

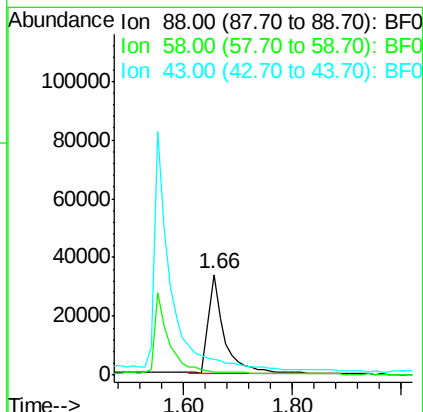
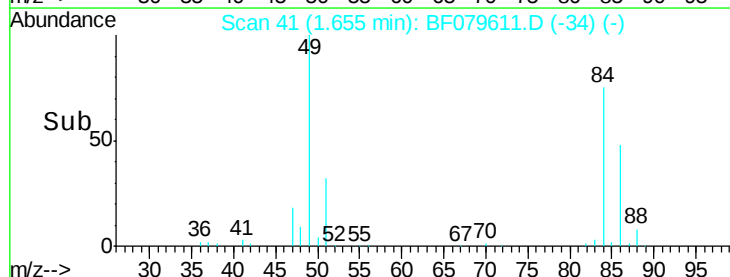
43 0.0 0.0 0.0

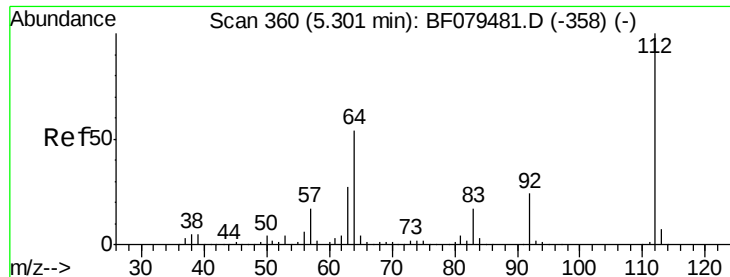


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

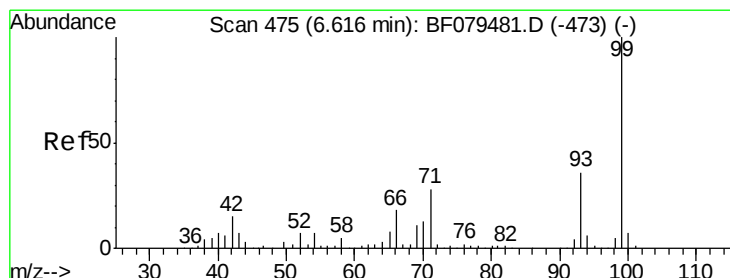
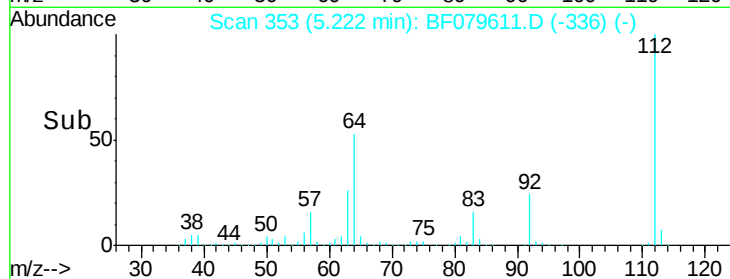
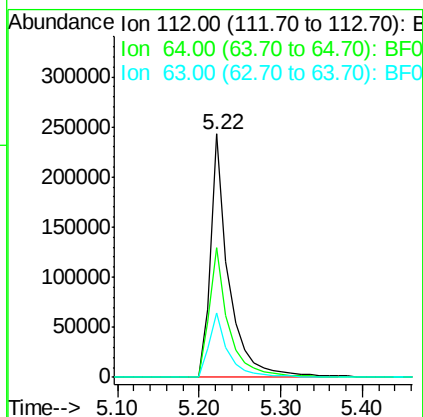
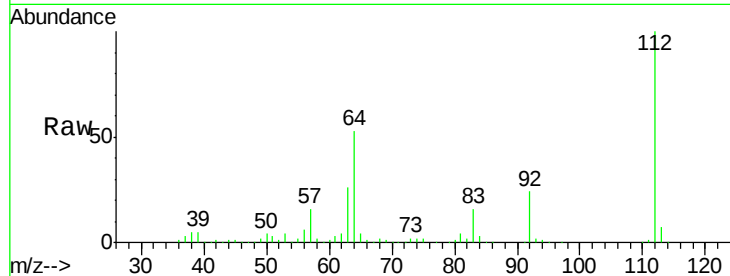




#5
 2-Fluorophenol
 Concen: 94.52 ng
 RT: 5.22 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

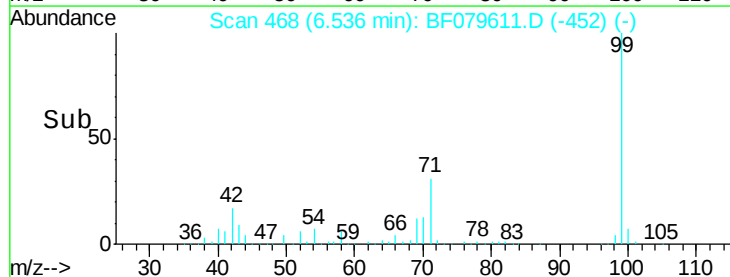
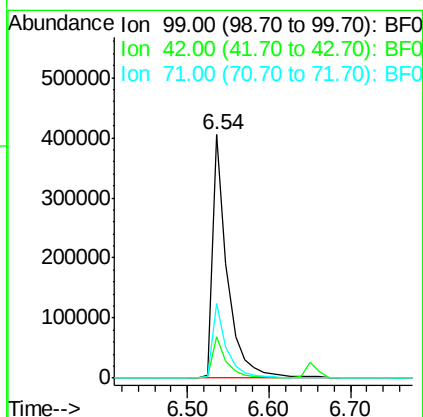
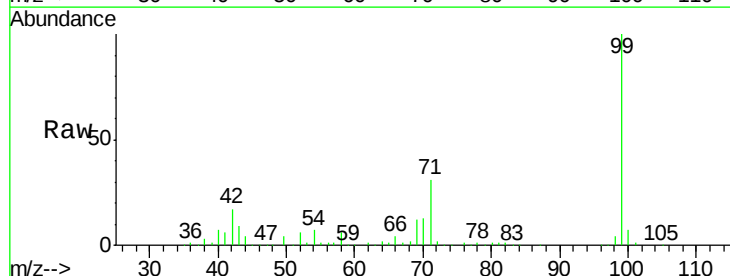
Instrument :
 BNA_F
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 PENRD8.11(5)

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	43.5	65.3
63	26.4	21.8	32.8



#7
 Phenol-d6
 Concen: 99.95 ng
 RT: 6.54 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.2	11.9	17.9
71	30.8	22.1	33.1

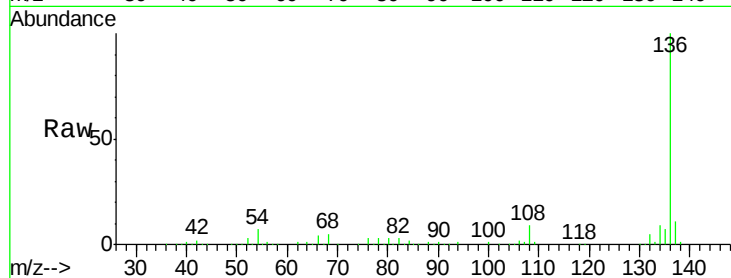




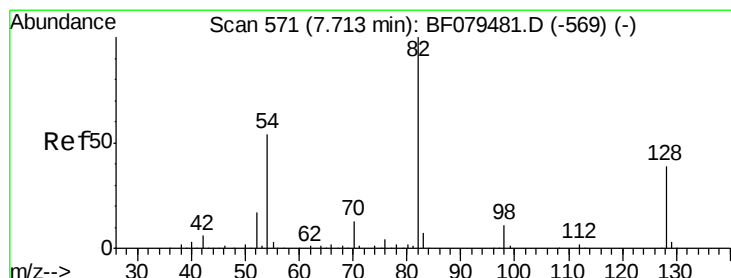
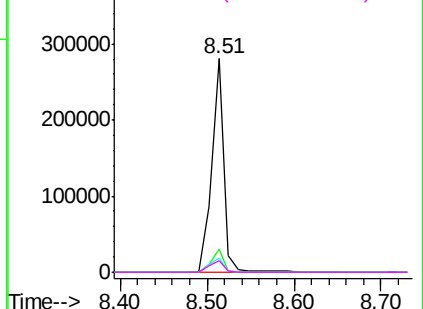
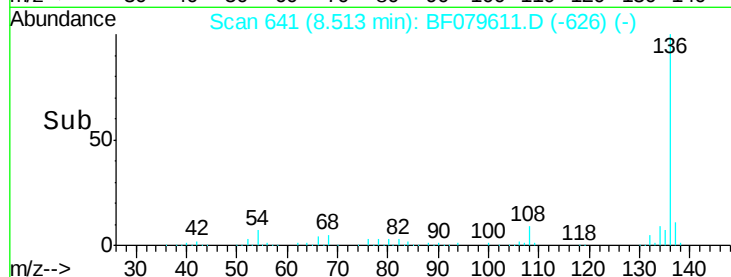
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079611.D
Acq: 30 May 2015 19:12

Instrument :
BNA_F
ClientSampleId :
PENRD8.11(5)

Tgt Ion: 136 Resp: 275334
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.5 6.6 9.8#
68 5.2 4.7 7.1

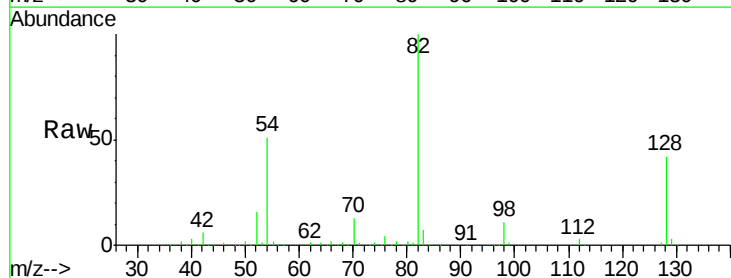


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

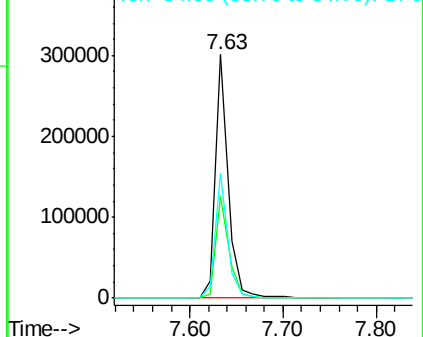
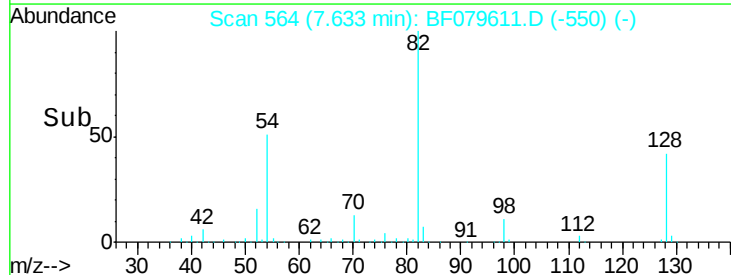


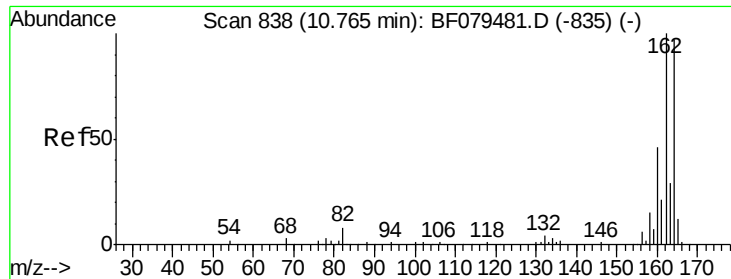
#23
Nitrobenzene-d5
Concen: 59.72 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF079611.D
Acq: 30 May 2015 19:12

Tgt Ion: 82 Resp: 284444
Ion Ratio Lower Upper
82 100
128 41.9 30.8 46.2
54 51.3 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

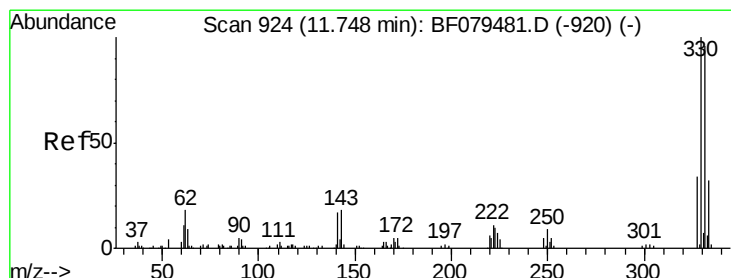
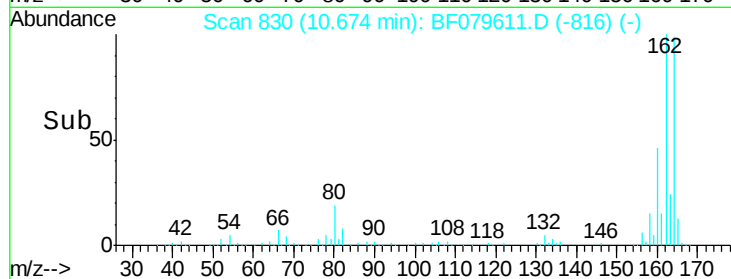
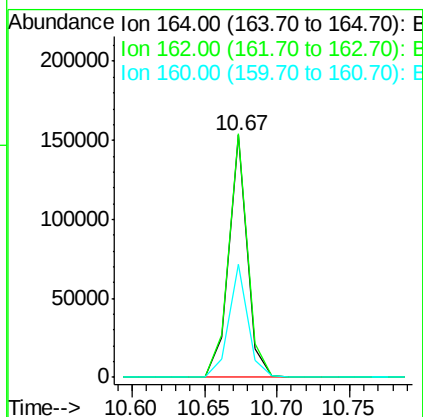
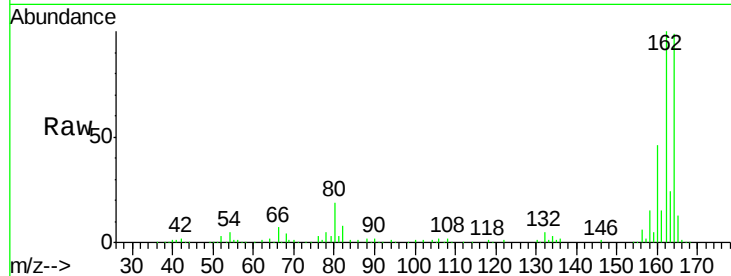




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

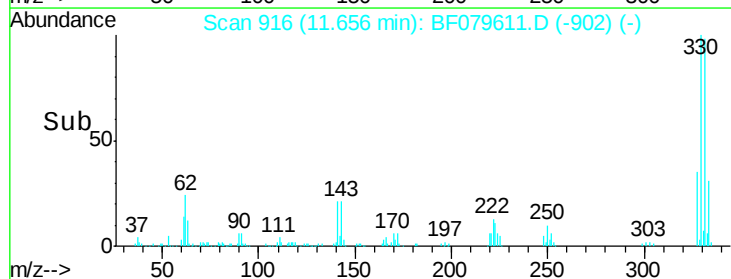
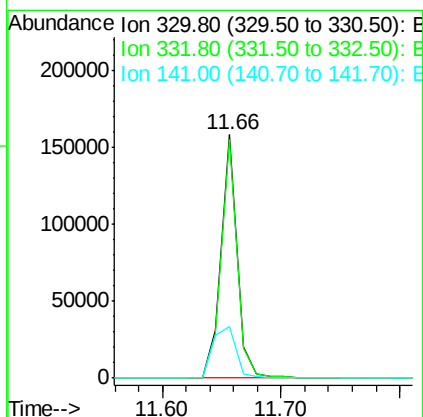
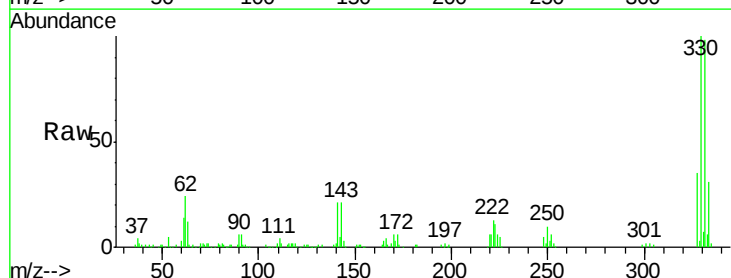
Instrument :
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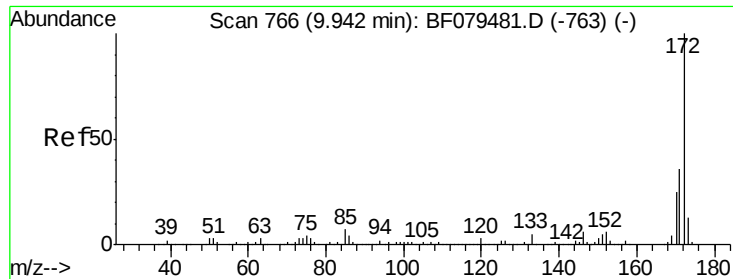
Tgt Ion:164 Resp: 135992
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.6 124.0
 160 46.5 37.7 56.5



#41
 2,4,6-Tribromophenol
 Concen: 98.68 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

Tgt Ion:330 Resp: 147393
 Ion Ratio Lower Upper
 330 100
 332 97.6 0.0 0.0#
 141 30.9 0.0 0.0#

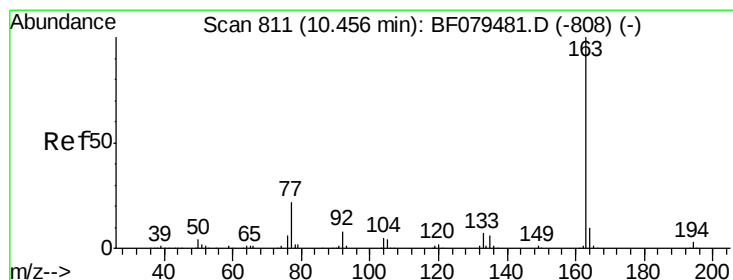
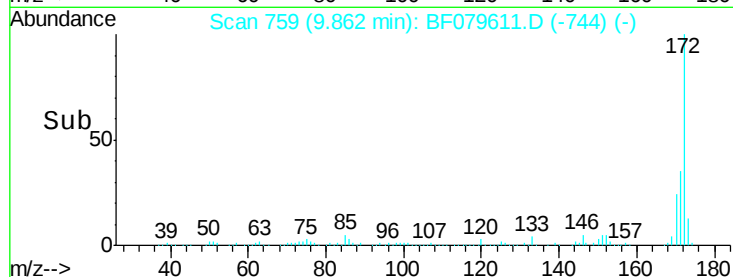
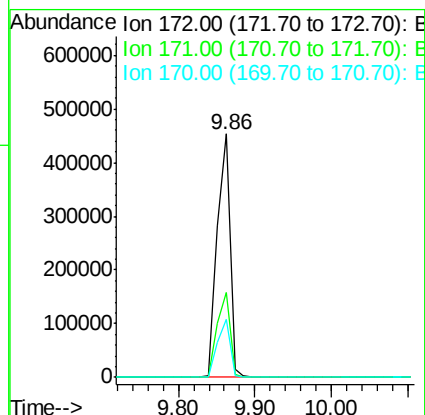
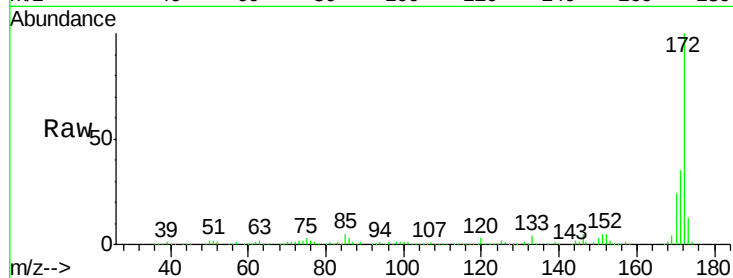




#44
 2-Fluorobiphenyl
 Concen: 54.94 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

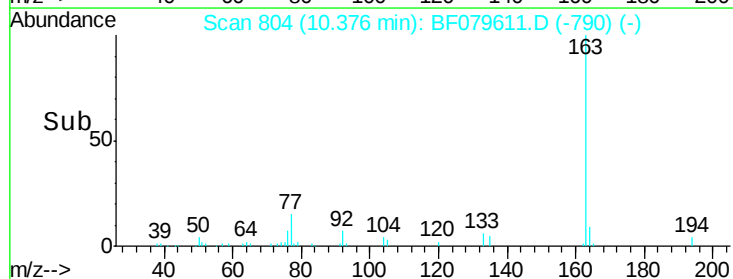
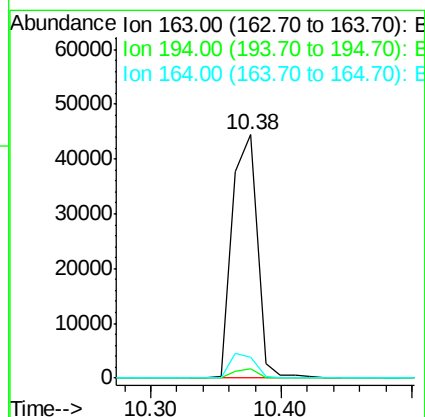
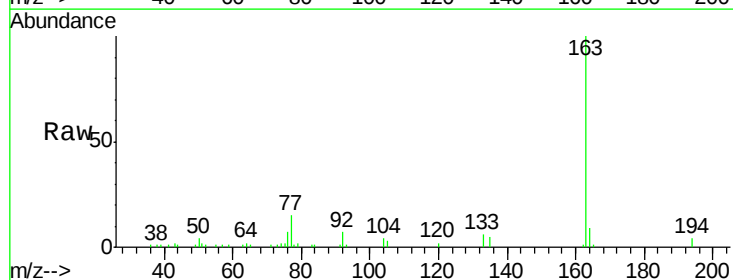
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 ClientSampleId :
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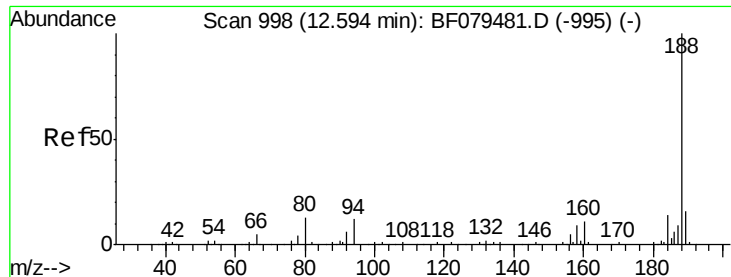
Tgt Ion:172 Resp: 523668
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.5 42.7
 170 24.0 19.7 29.5



#49
 Dimethylphthalate
 Concen: 5.93 ng
 RT: 10.38 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

Tgt Ion:163 Resp: 59380
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.4 3.6#
 164 8.8 8.2 12.4

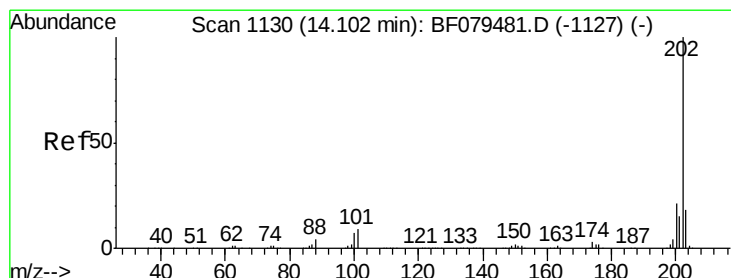
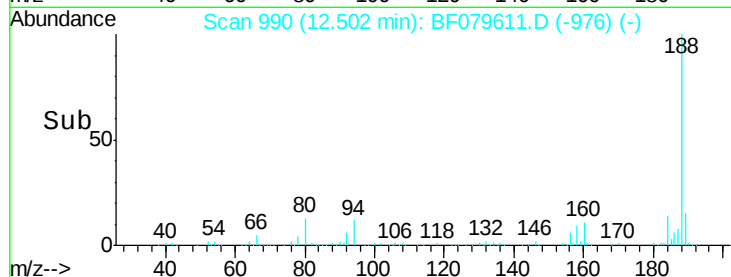
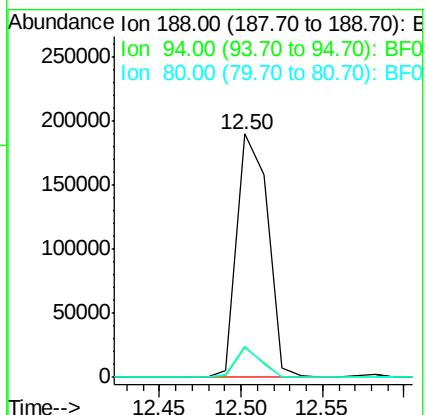
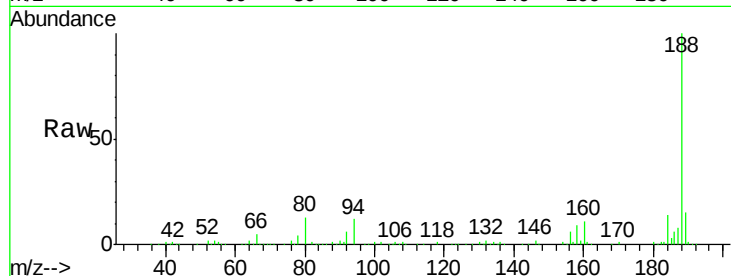




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.03 min
Lab File: BF079611.D
Acq: 30 May 2015 19:12

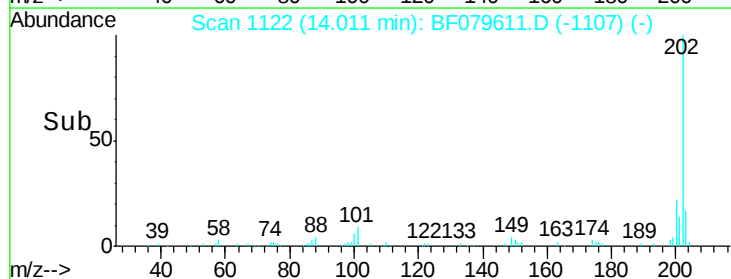
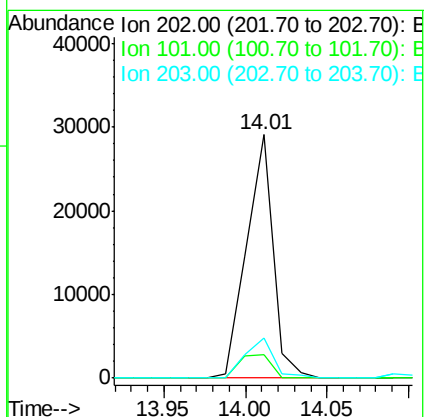
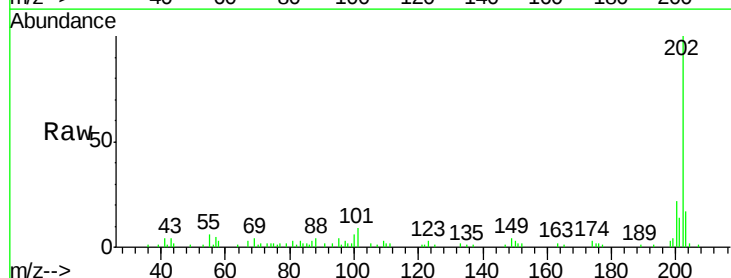
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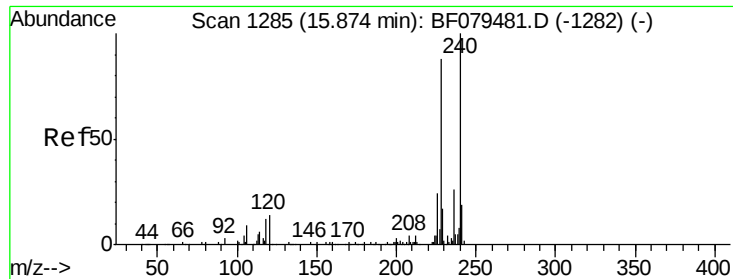
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.8	14.6
80	13.0	10.5	15.7



#74
Fluoranthene
Concen: 2.23 ng
RT: 14.01 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF079611.D
Acq: 30 May 2015 19:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.3
203	16.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF079611.D

Acq: 30 May 2015 19:12

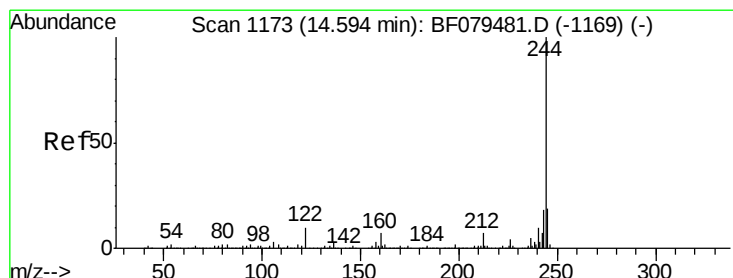
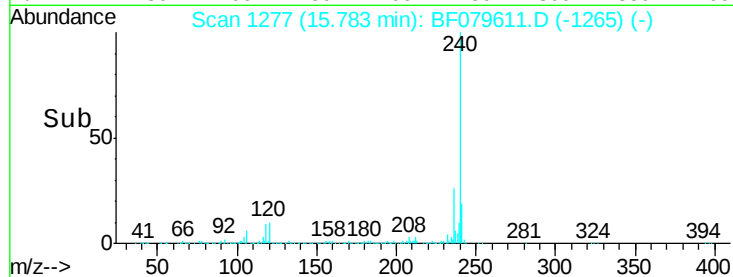
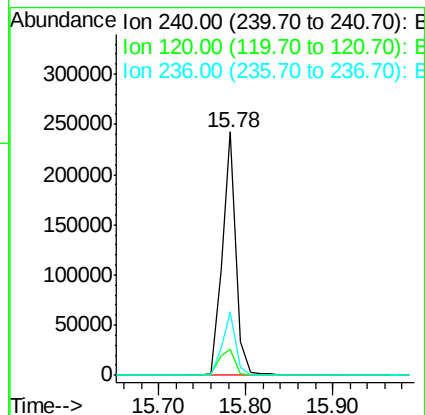
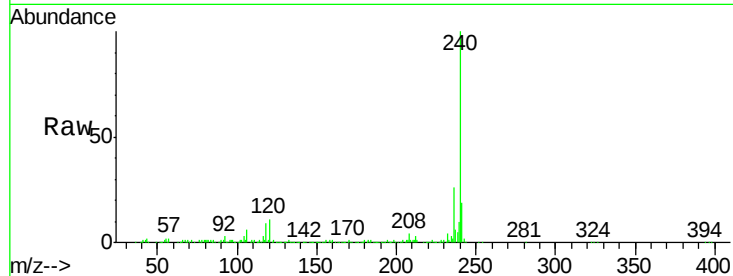
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	240	Resp:	269033
Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.8	16.2#
236	26.2	21.0	31.6



#78

Terphenyl-d14

Concen: 49.39 ng

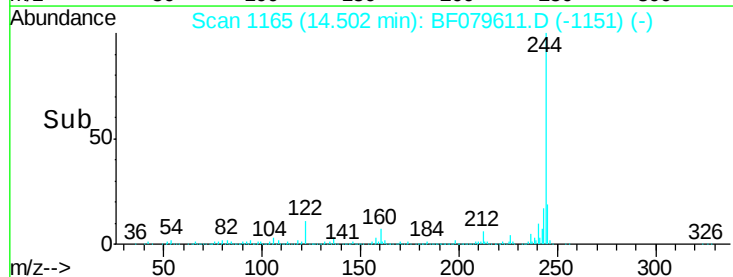
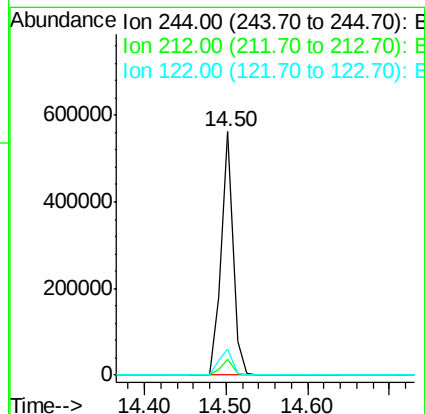
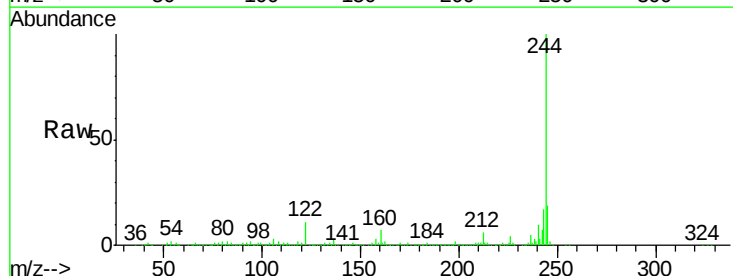
RT: 14.50 min Scan# 1165

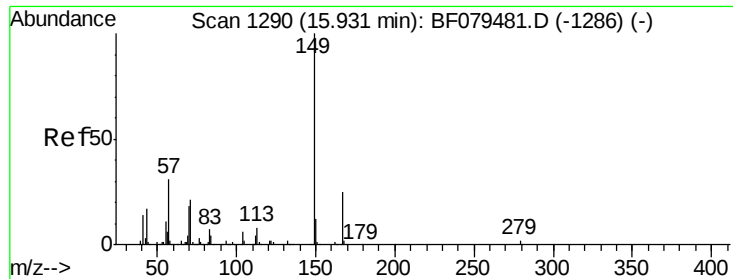
Delta R.T. -0.03 min

Lab File: BF079611.D

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Tgt Ion:	244	Resp:	566242
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.8	8.0	12.0

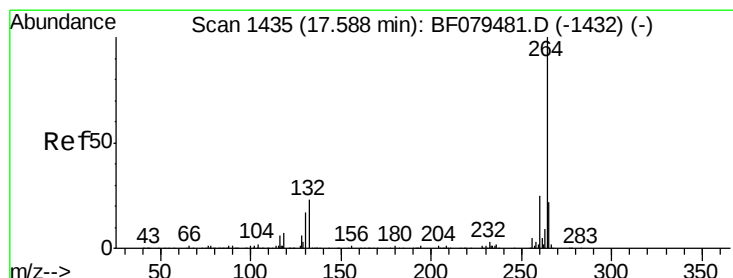
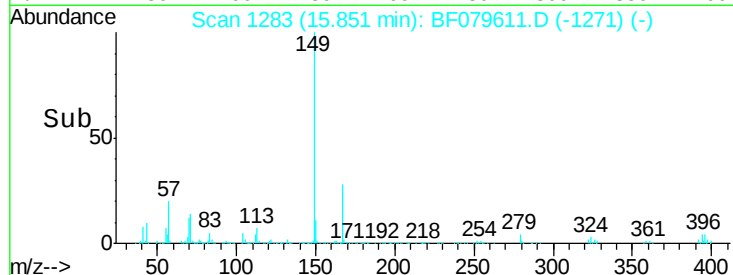
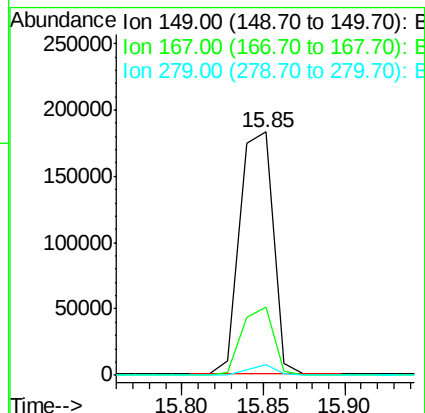
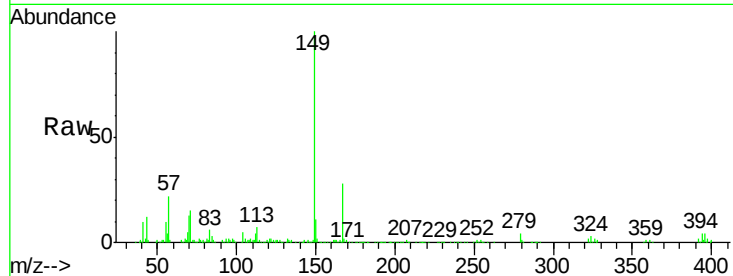




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 24.00 ng
 RT: 15.85 min Scan# 1283
 Delta R.T. -0.06 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

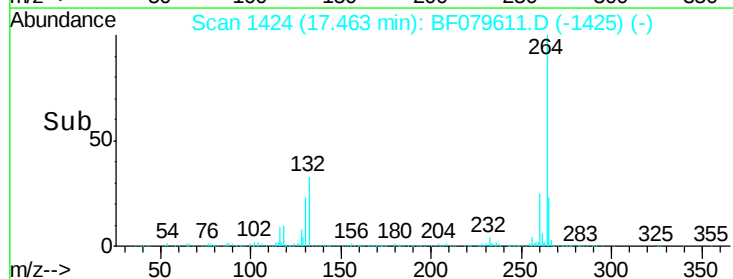
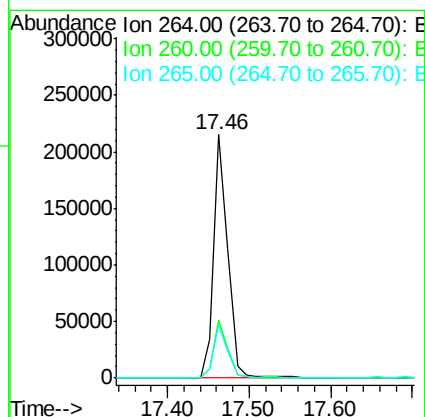
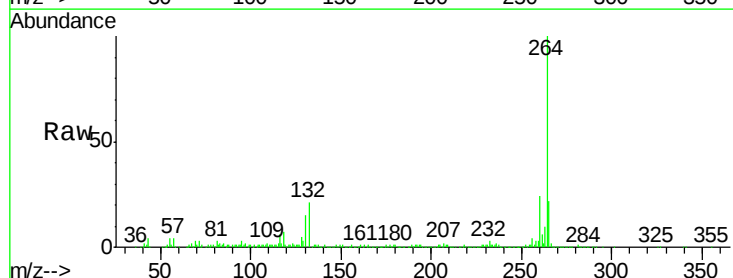
Instrument :
 BNA_F
 ClientSampleId :
 PENRD8.11(5)

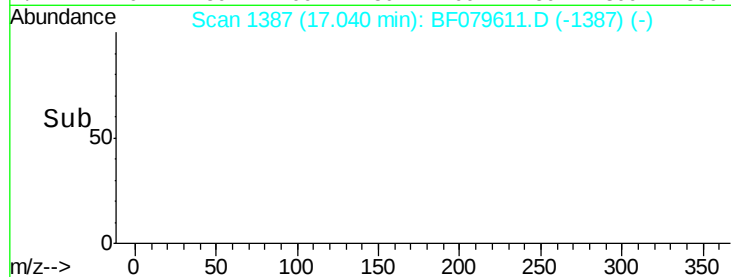
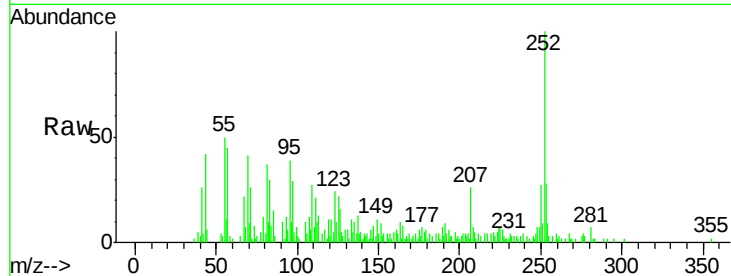
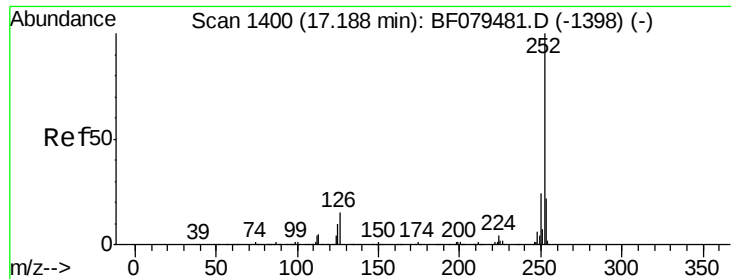
Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	20.2	30.4
279	4.2	2.0	3.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.46 min Scan# 1424
 Delta R.T. -0.21 min
 Lab File: BF079611.D
 Acq: 30 May 2015 19:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.8	29.8
265	21.9	17.8	26.6





#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 17.04 min Scan# 1387

Delta R.T. -0.19 min

Lab File: BF079611.D

Acq: 30 May 2015 19:12

Instrument :

BNA_F

ClientSampleId :

PENRD8.11(5)

Tgt Ion: 252 Resp: 36119

Ion Ratio Lower Upper

252 100

253 27.7 17.2 25.8#

125 21.7 6.8 10.2#

