

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079290.D
 Acq On : 16 May 2015 3:24
 Operator : TP/IZ
 Sample : G2216-01DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

Manual Integrations
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Quant Time: May 16 04:22:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	59073	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	241431	20.00	ng	0.00
38) Acenaphthene-d10	10.93	164	119606	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	225841	20.00	ng	0.00
75) Chrysene-d12	16.05	240	204236	20.00	ng	-0.01
86) Perylene-d12	17.76	264	203304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	19410m	5.66	ng	0.01
7) Phenol-d6	6.74	99	16389	3.61	ng	0.00
23) Nitrobenzene-d5	7.87	82	32518	7.74	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	16917	13.07	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	79958	9.31	ng	0.00
78) Terphenyl-d14	14.75	244	85496	10.02	ng	-0.01
Target Compounds						
27) 2,4-Dimethylphenol	8.35	122	9508	2.76	ng	Qvalue 89
31) Naphthalene	8.80	128	4589383	398.94	ng	# 94
37) 2-Methylnaphthalene	9.63	142	424991	53.31	ng	96
45) 1,1'-Biphenyl	10.22	154	96577	10.16	ng	94
48) Acenaphthylene	10.75	152	78074	6.41	ng	99
51) Acenaphthene	10.96	154	177645	24.46	ng	98
57) Fluorene	11.60	166	85556	9.94	ng	99
70) Phenanthrene	12.79	178	187696	14.86	ng	99
71) Anthracene	12.86	178	28534	2.30	ng	98
72) Carbazole	13.06	167	25856	2.19	ng	98
77) Pyrene	14.55	202	27119	2.30	ng	98

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

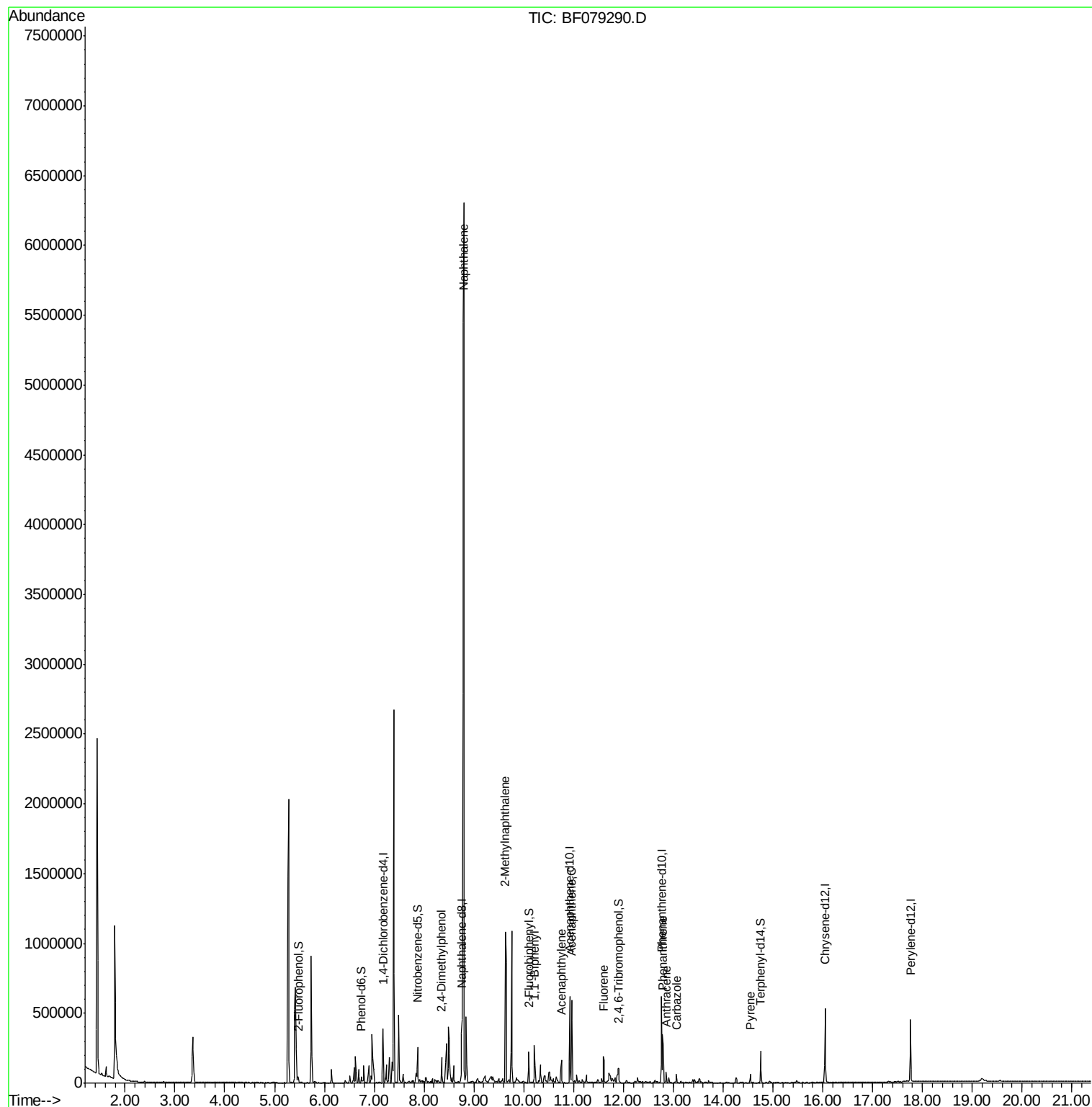
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
Data File : BF079290.D
Acq On : 16 May 2015 3:24
Operator : TP/IZ
Sample : G2216-01DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

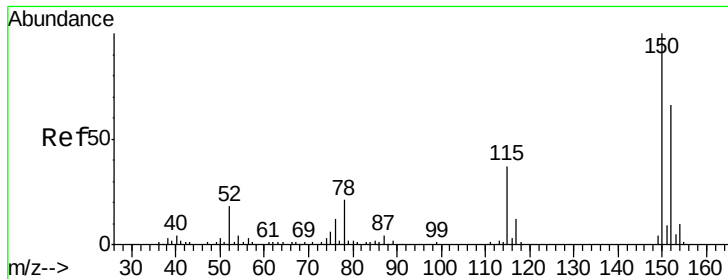
Instrument :
BNA_F
ClientSampleId :
TW-4DL

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Quant Time: May 16 04:22:43 2015
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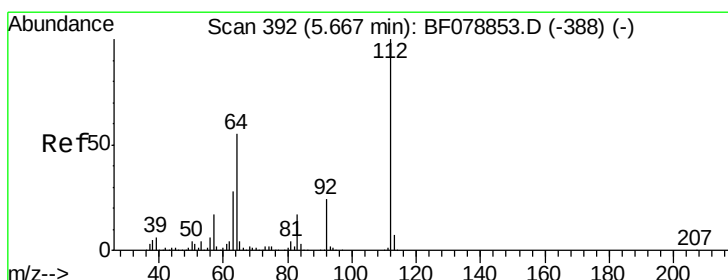
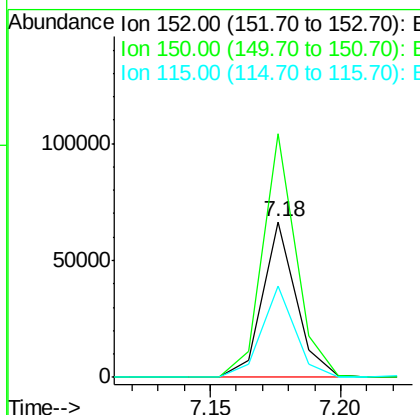
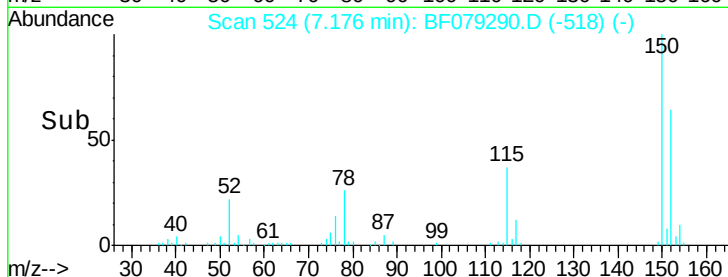
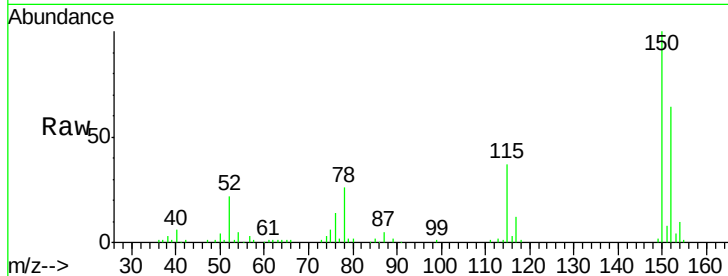
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.18 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Instrument :
BNA_F
ClientSampleId :
TW-4DL

Tot Ion:	152	Resp:	59073
Ion Ratio	Lower	Upper	
152	100		
150	156.6	123.8	185.8
115	58.5	49.4	74.0

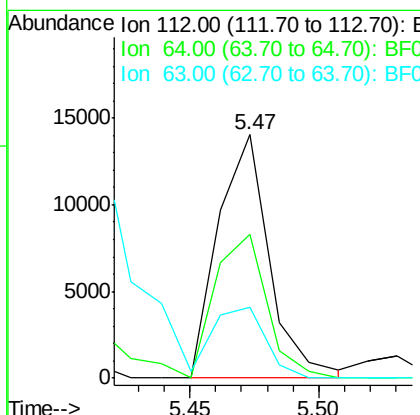
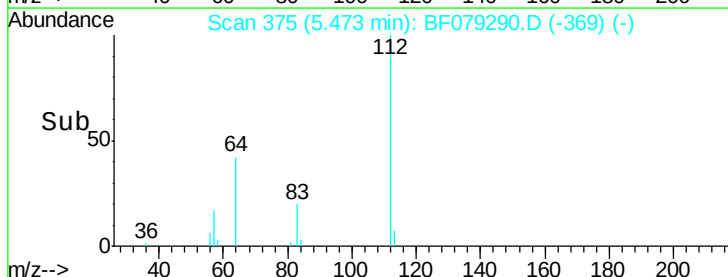
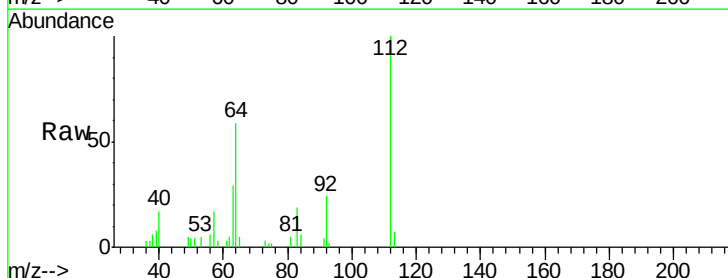
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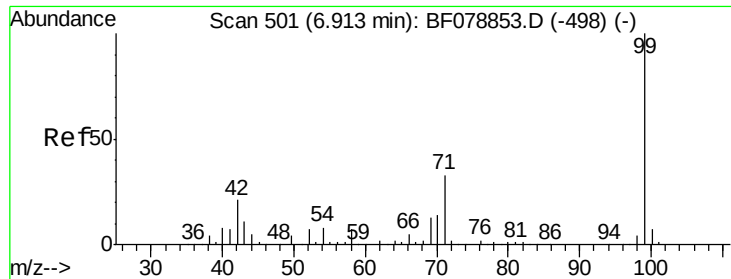
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#5
2-Fluorophenol
Concen: 5.66 ng m
RT: 5.47 min Scan# 375
Delta R.T. 0.01 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Tgt Ion:	112	Resp:	19410
Ion Ratio	Lower	Upper	
112	100		
64	59.1	44.2	66.2
63	29.0	22.7	34.1





#7

Phenol-d6

Concen: 3.61 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079290.D

Acq: 16 May 2015 3:24

Instrument :

BNA_F

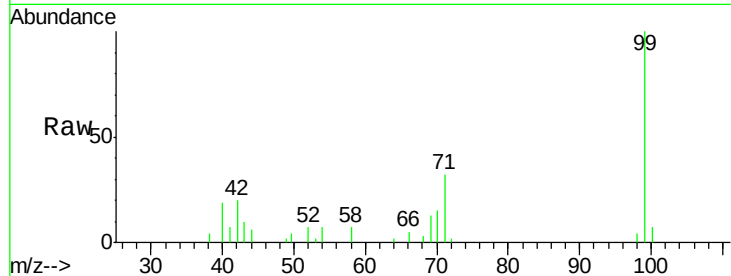
ClientSampleId :

TW-4DL

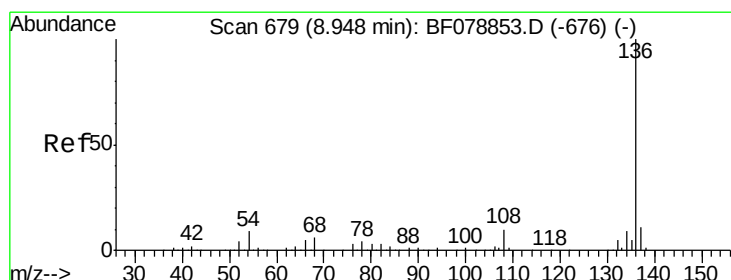
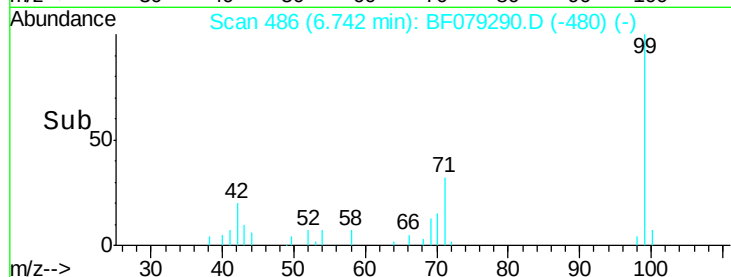
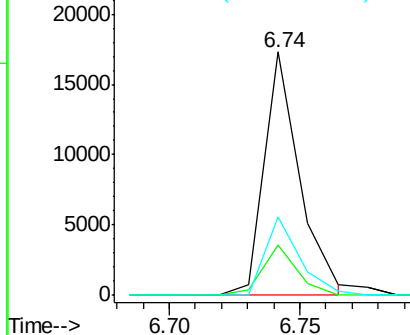
Tot Ion:	99	Resp:	16389
Ion Ratio	Lower	Upper	
99	100		
42	20.5	17.1	25.7
71	32.2	26.3	39.5

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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: 8.75 min Scan# 662

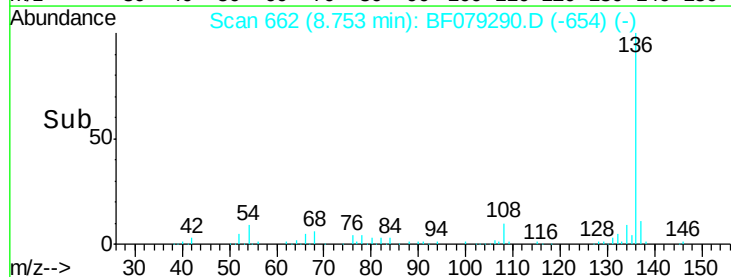
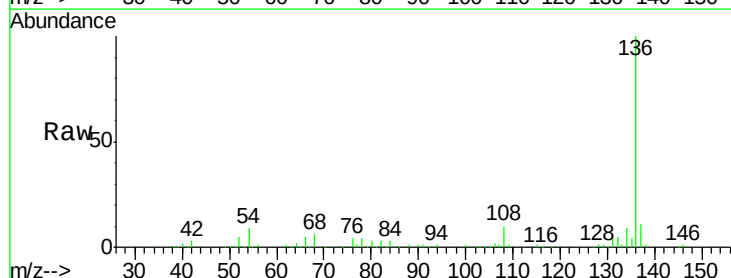
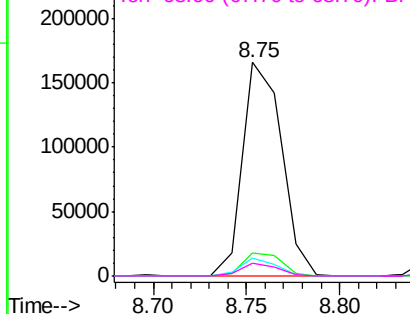
Delta R.T. 0.00 min

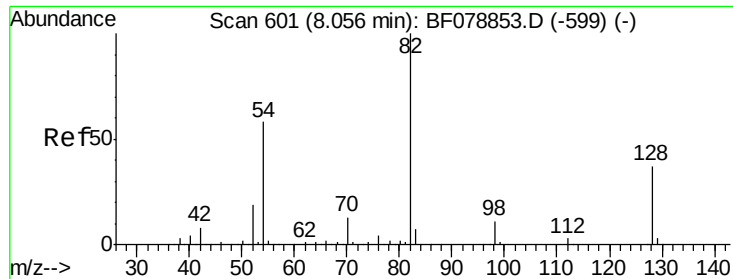
Lab File: BF079290.D

Acq: 16 May 2015 3:24

Tgt Ion:	136	Resp:	241431
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	8.7	6.9	10.3
68	5.9	4.9	7.3

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: 7.74 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.00 min

Lab File: BF079290.D

Acq: 16 May 2015 3:24

Instrument :

BNA_F

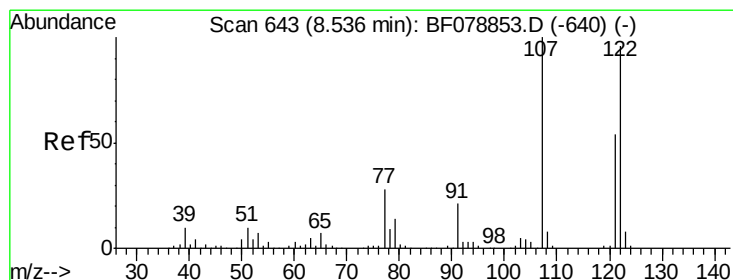
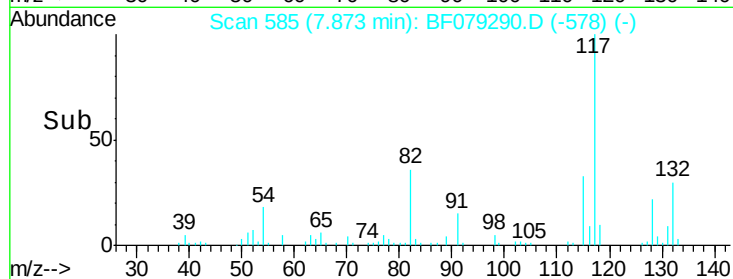
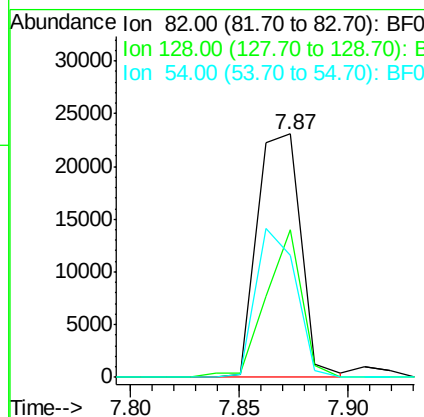
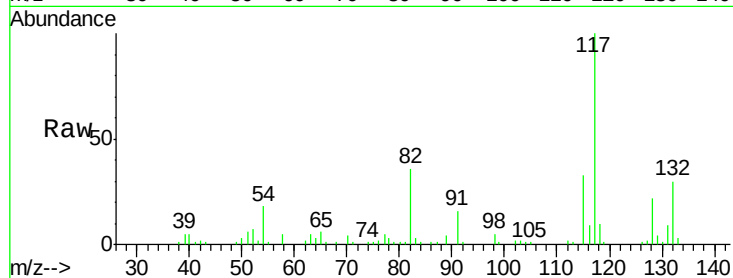
ClientSampleId :

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Tot Ion:	82	Resp:	32518
Ion Ratio	Lower	Upper	
82	100		
128	60.5	29.7	44.5#
54	50.3	46.2	69.4

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#27

2,4-Dimethylphenol

Concen: 2.76 ng

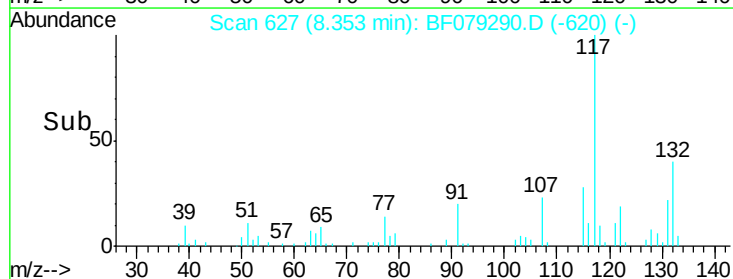
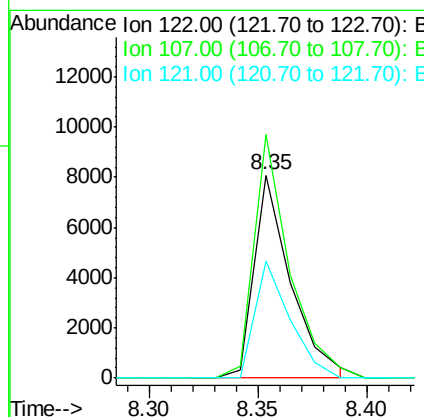
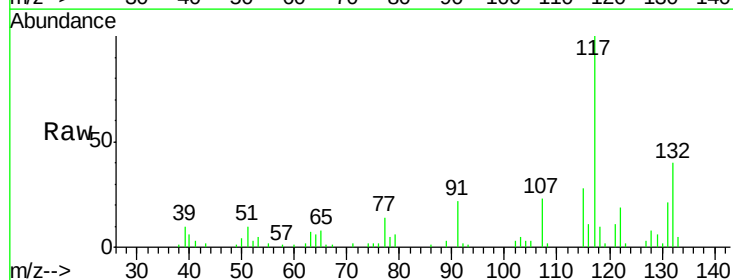
RT: 8.35 min Scan# 627

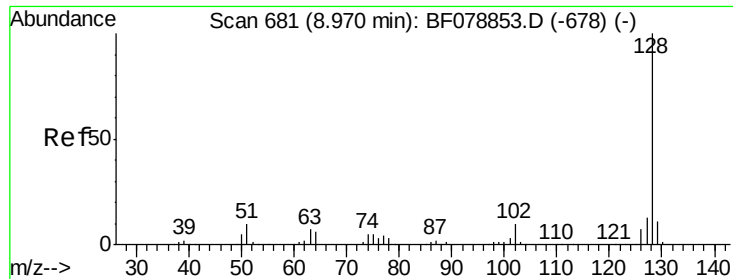
Delta R.T. 0.00 min

Lab File: BF079290.D

Acq: 16 May 2015 3:24

Tgt Ion:	122	Resp:	9508
Ion Ratio	Lower	Upper	
122	100		
107	120.1	83.6	125.4
121	57.4	44.9	67.3





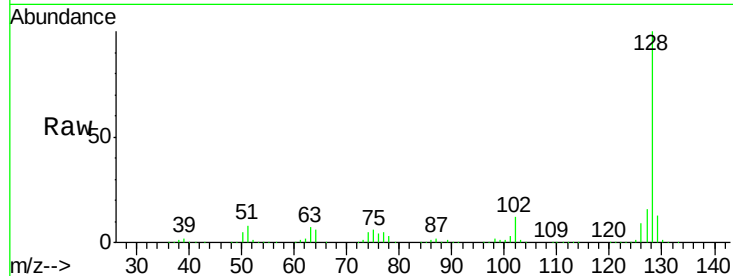
#31
Naphthalene
Concen: 398.94 ng
RT: 8.80 min Scan# 666
Delta R.T. 0.02 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Instrument :
BNA_F
ClientSampleId :
TW-4DL

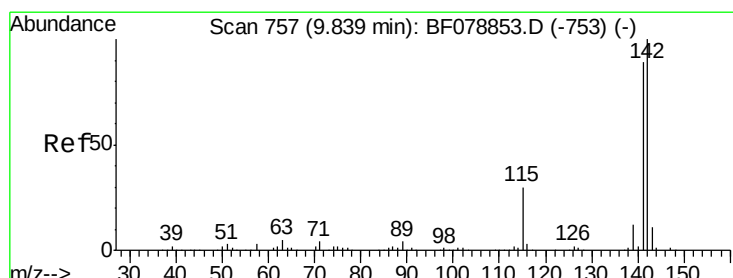
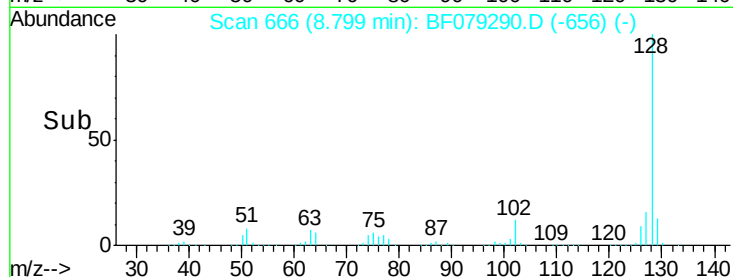
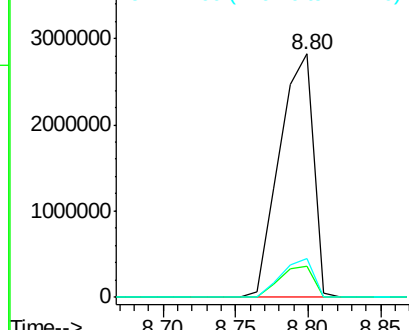
Tot Ion:128 Resp: 4589383
Ion Ratio Lower Upper
128 100
129 13.0 9.2 13.8
127 15.9 10.3 15.5#

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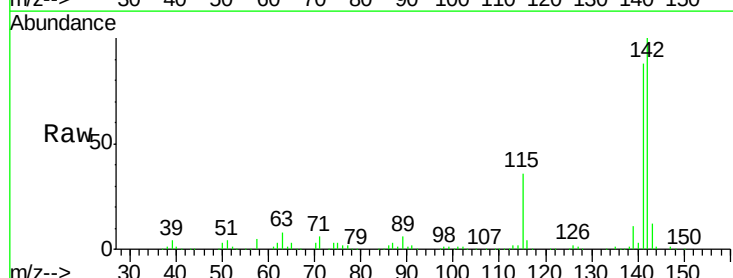


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

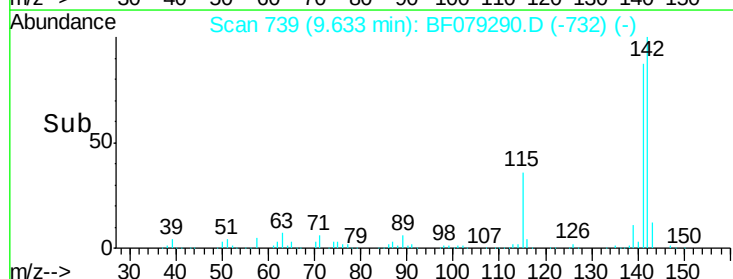
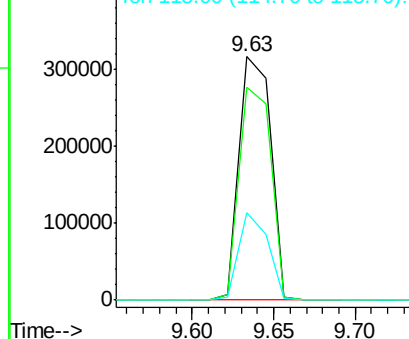


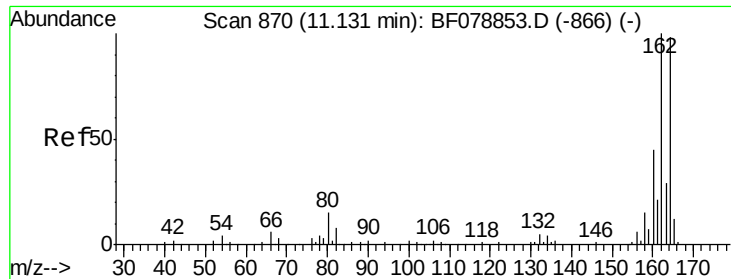
#37
2-Methylnaphthalene
Concen: 53.31 ng
RT: 9.63 min Scan# 739
Delta R.T. -0.01 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Tgt Ion:142 Resp: 424991
Ion Ratio Lower Upper
142 100
141 87.6 71.6 107.4
115 36.2 24.2 36.4



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





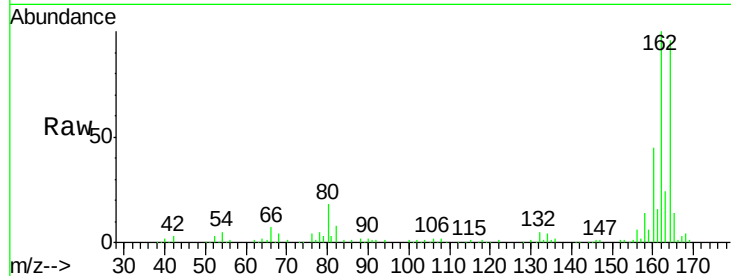
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

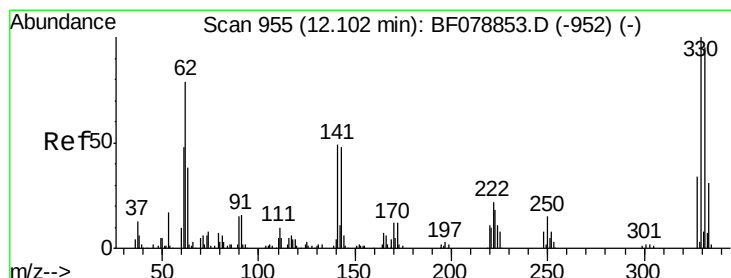
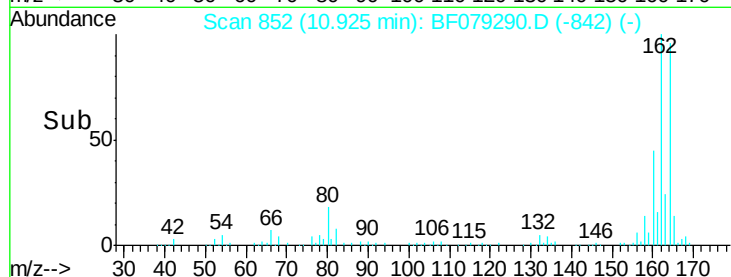
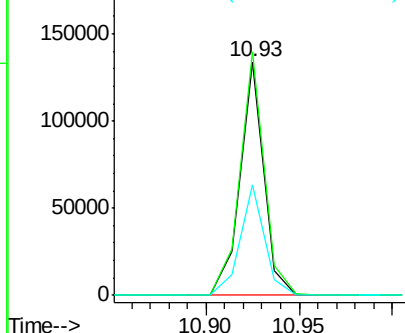
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.3	81.4	122.0	
160	47.1	36.6	54.8	

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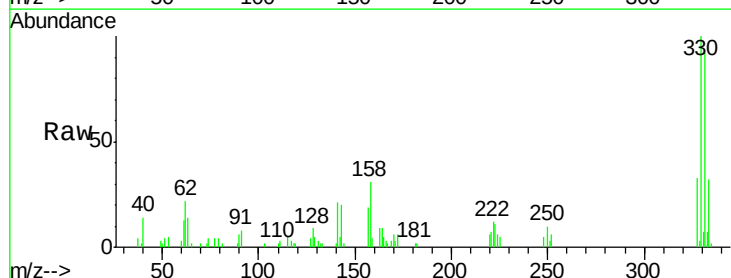


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

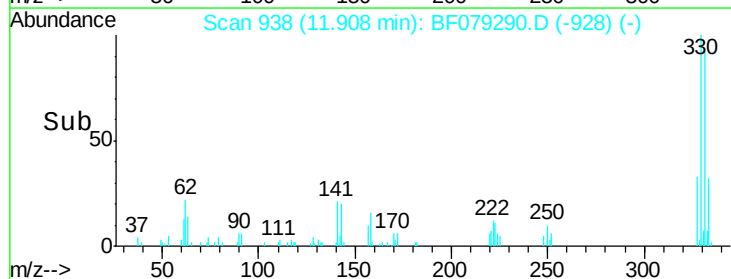
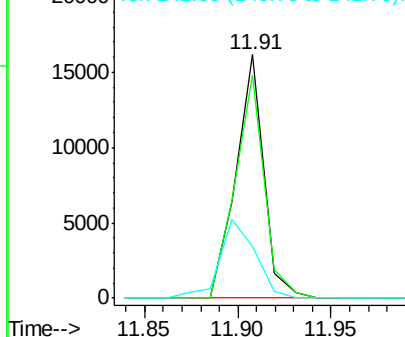


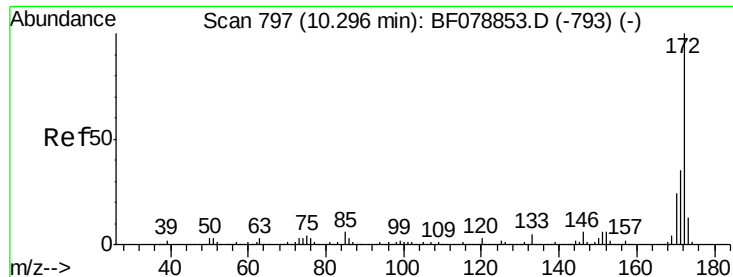
#41
 2,4,6-Tribromophenol
 Concen: 13.07 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.9	115.3	
141	40.8	27.8	41.8	



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





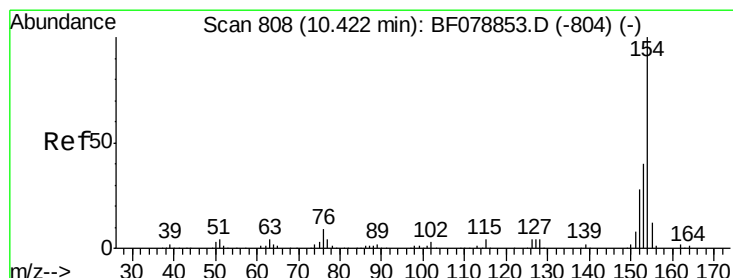
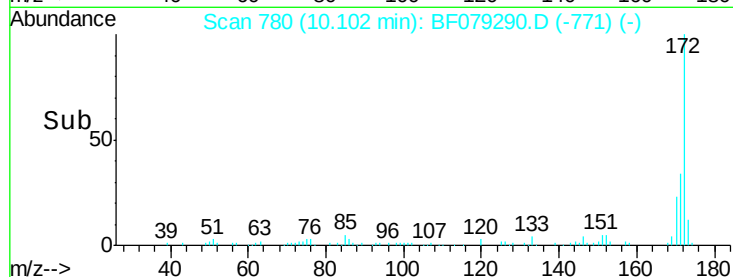
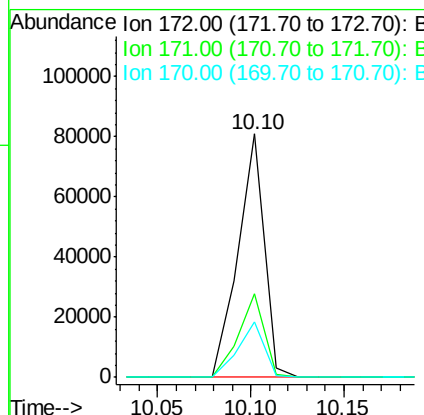
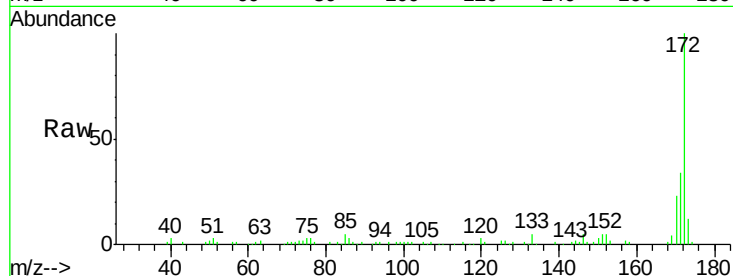
#44
2-Fluorobiphenyl
Concen: 9.31 ng
RT: 10.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	79958		
171	34.3		28.3	42.5
170	22.8		19.4	29.2

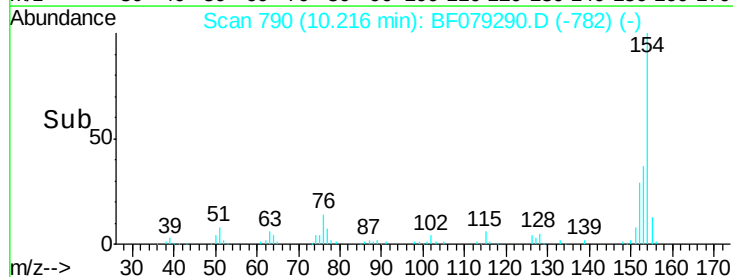
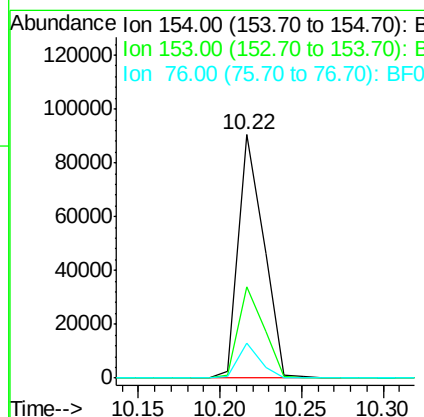
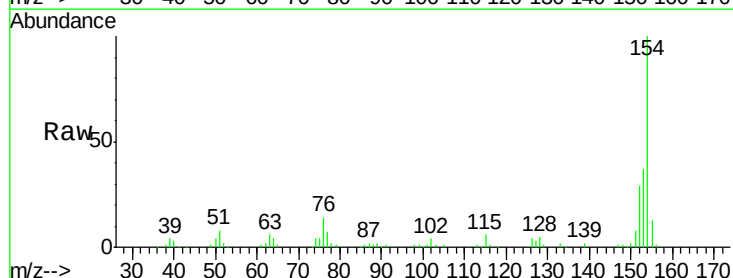
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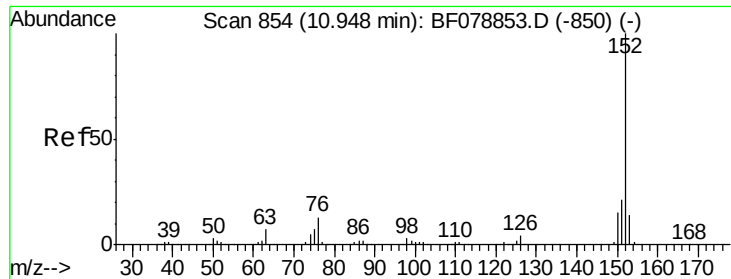
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#45
1,1'-Biphenyl
Concen: 10.16 ng
RT: 10.22 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	96577		
153	37.5		19.7	59.7
76	14.3		0.0	29.1





#48

Acenaphthylene

Concen: 6.41 ng

RT: 10.75 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF079290.D

Acq: 16 May 2015 3:24

Instrument :

BNA_F

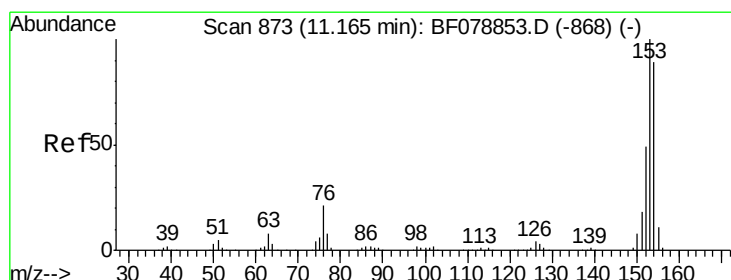
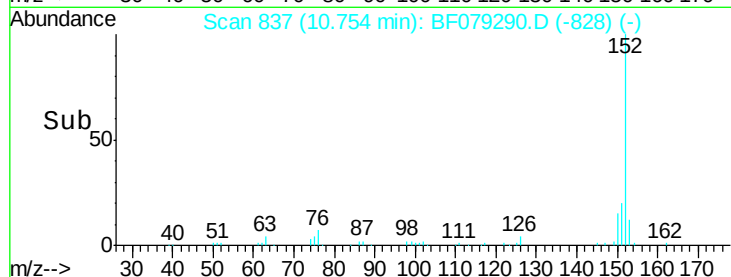
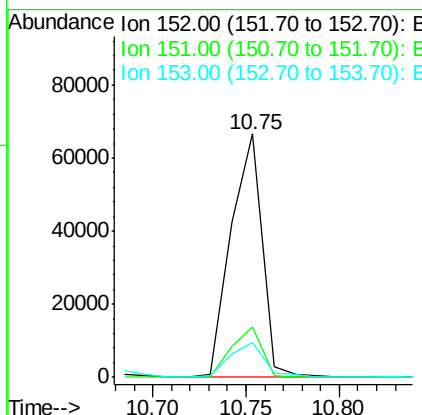
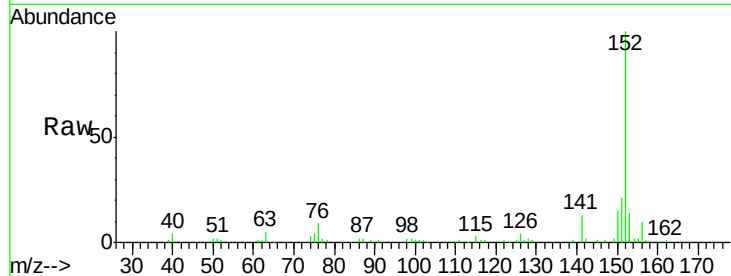
ClientSampleId :

TW-4DL

Tot Ion:	152	Resp:	78074
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.6	24.8
153	14.5	11.0	16.6

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#51

Acenaphthene

Concen: 24.46 ng

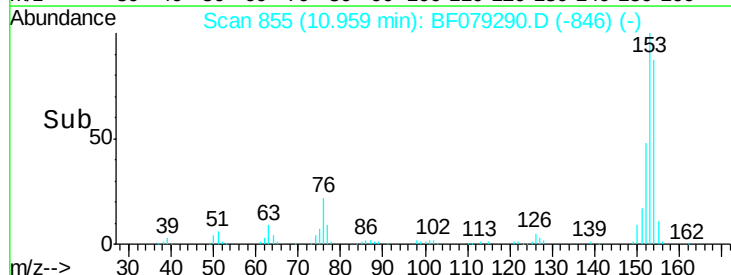
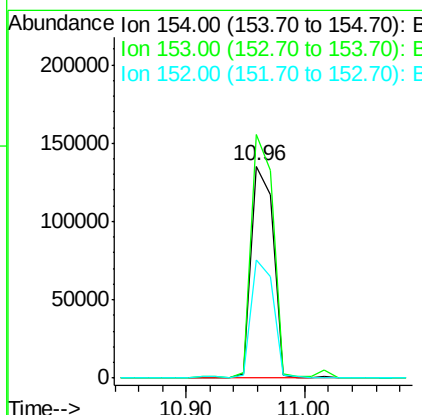
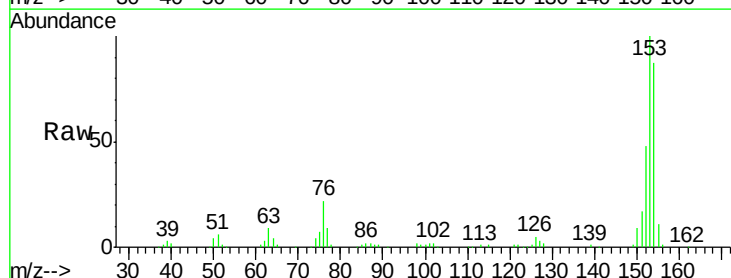
RT: 10.96 min Scan# 855

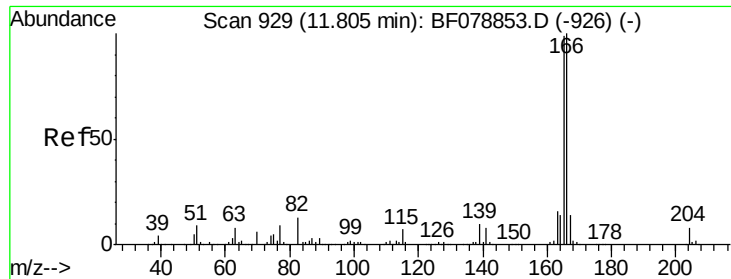
Delta R.T. -0.01 min

Lab File: BF079290.D

Acq: 16 May 2015 3:24

Tgt Ion:	154	Resp:	177645
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.2	135.2
152	55.6	43.8	65.8





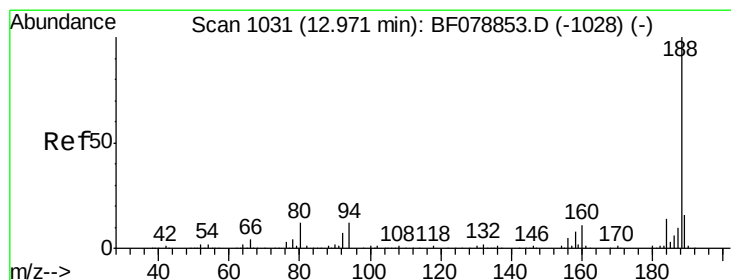
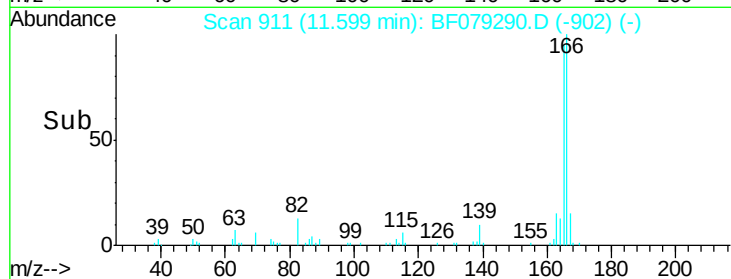
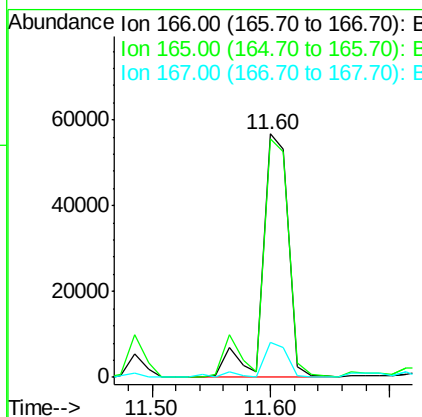
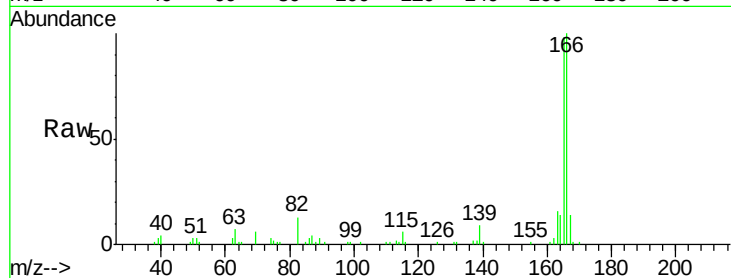
#57
 Fluorene
 Concen: 9.94 ng
 RT: 11.60 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		85556		
165	97.8	79.5	119.3		
167	14.1	11.0	16.6		

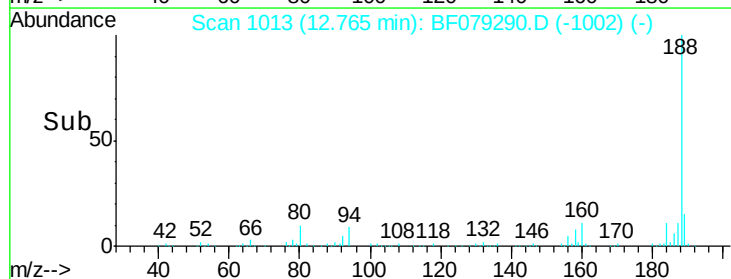
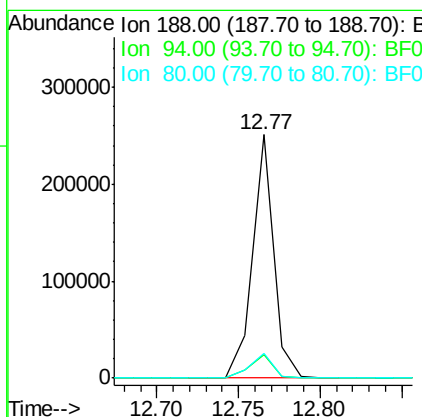
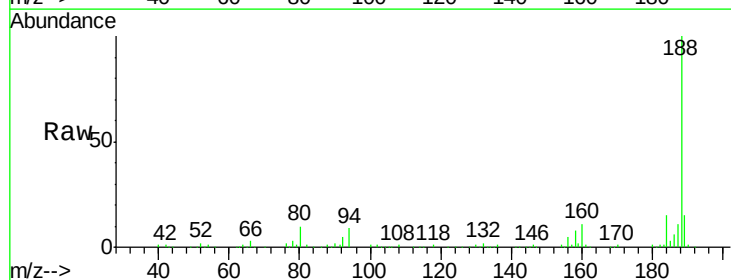
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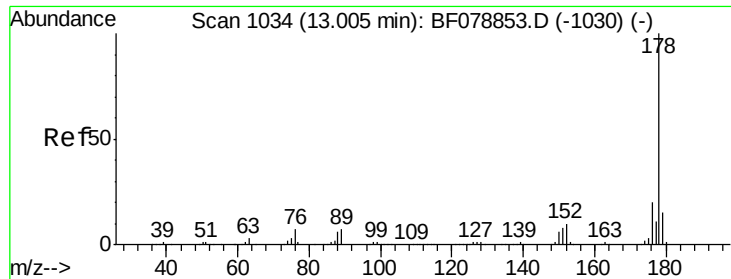
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		225841		
94	9.5	9.4	14.0		
80	10.1	9.8	14.6		





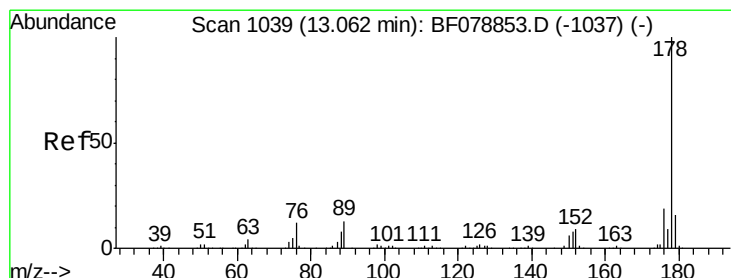
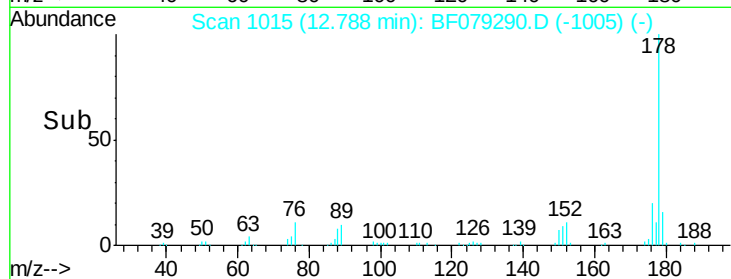
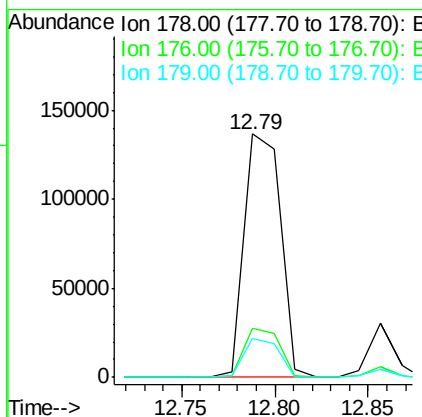
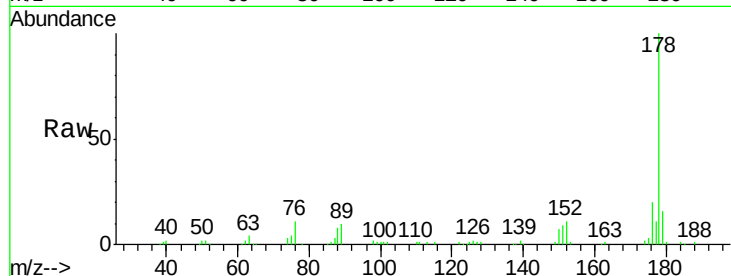
#70
Phenanthrene
Concen: 14.86 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Instrument :
BNA_F
ClientSampled :
TW-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	15.9	12.2	18.4

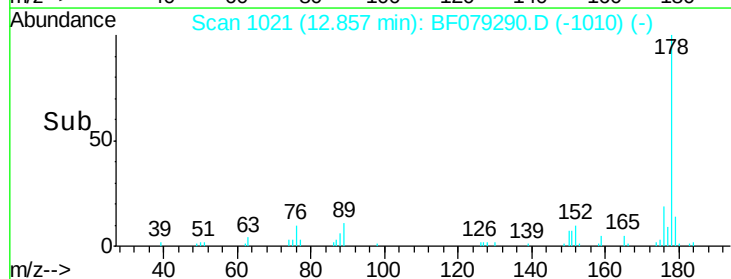
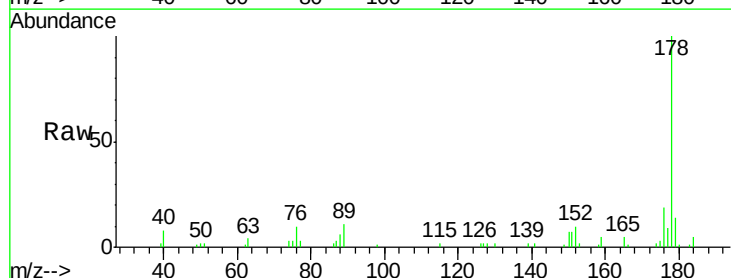
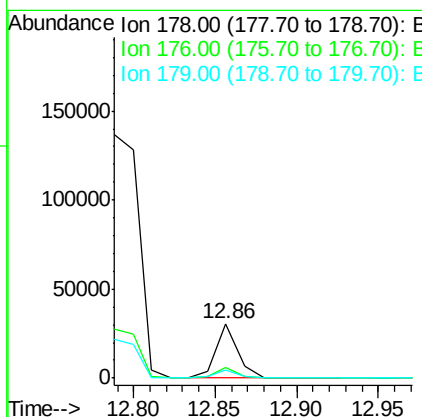
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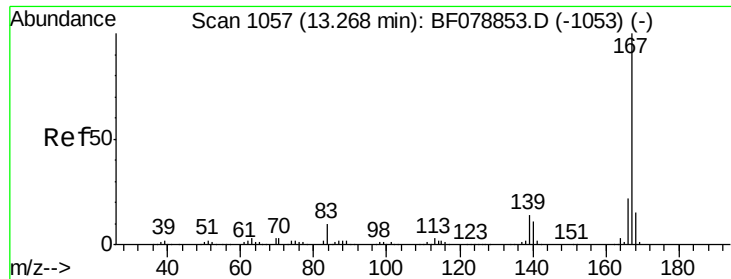
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#71
Anthracene
Concen: 2.30 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079290.D
Acq: 16 May 2015 3:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.4	12.6	19.0





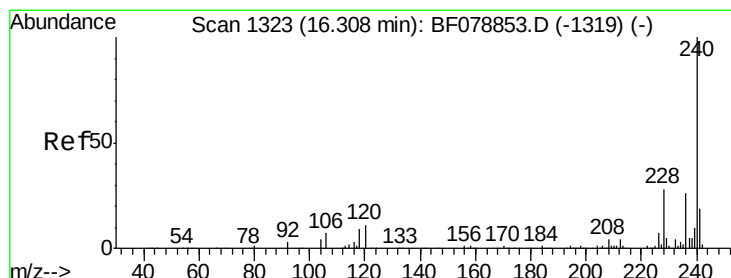
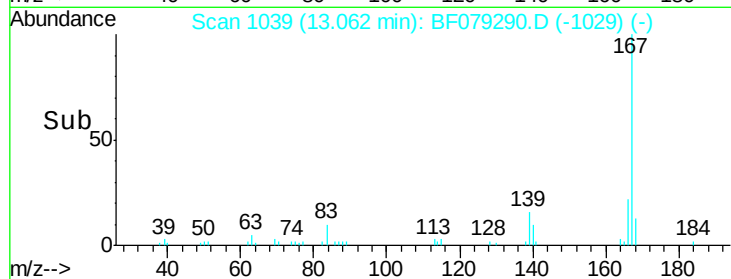
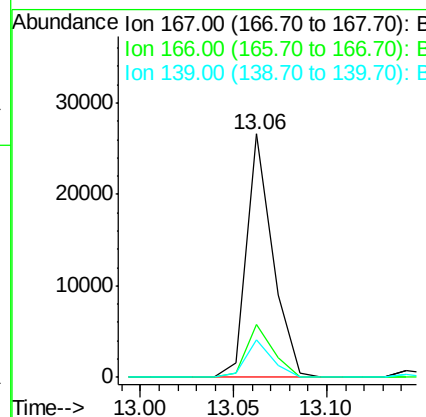
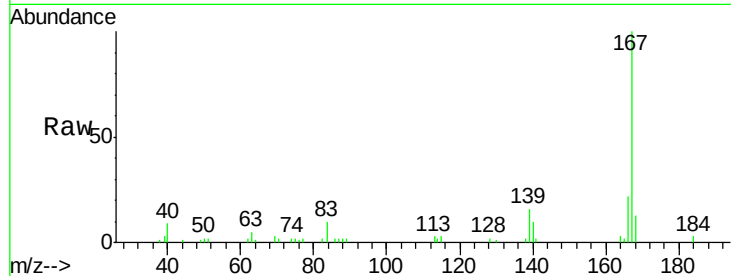
#72
 Carbazole
 Concen: 2.19 ng
 RT: 13.06 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	21.7	17.5	26.3
139	15.5	11.0	16.4

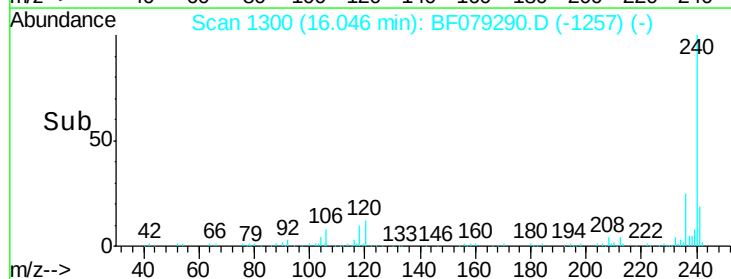
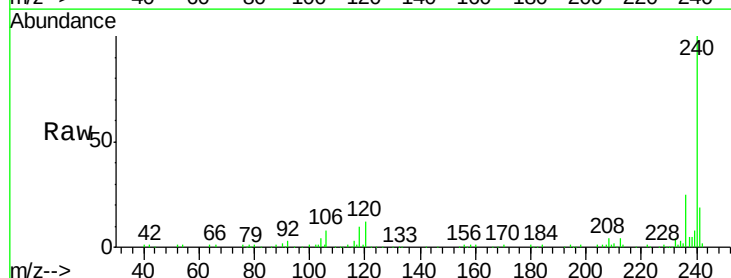
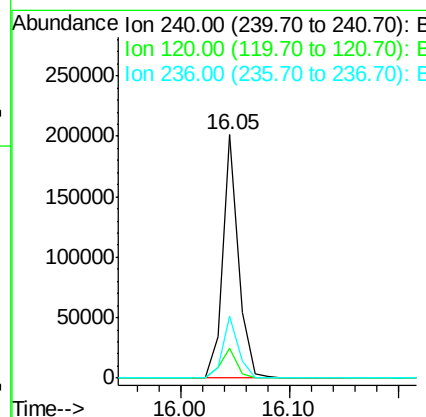
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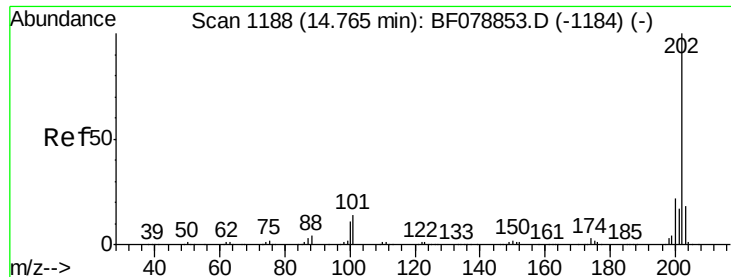
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.05 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	8.6	12.8
236	25.5	21.0	31.6





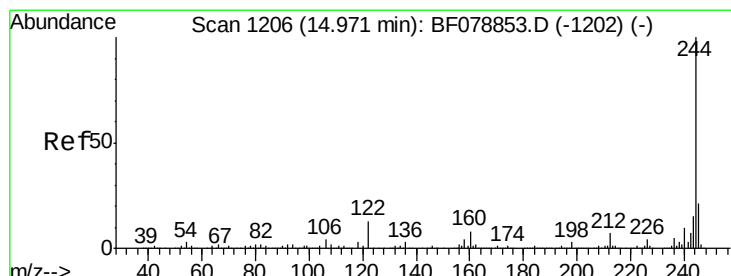
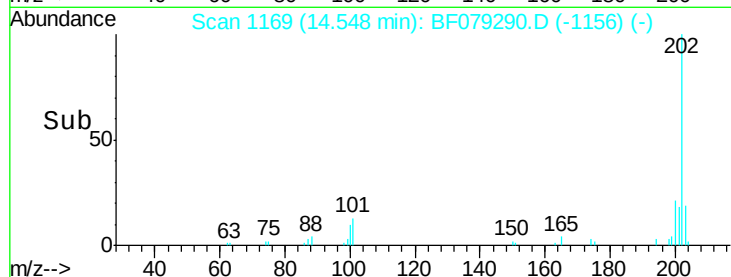
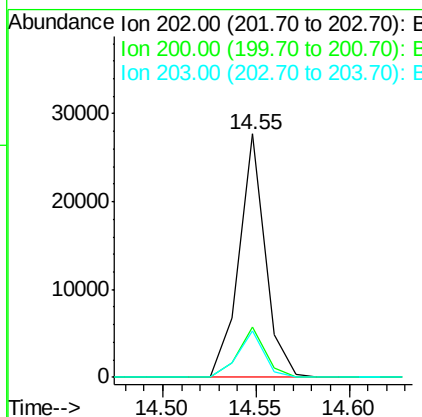
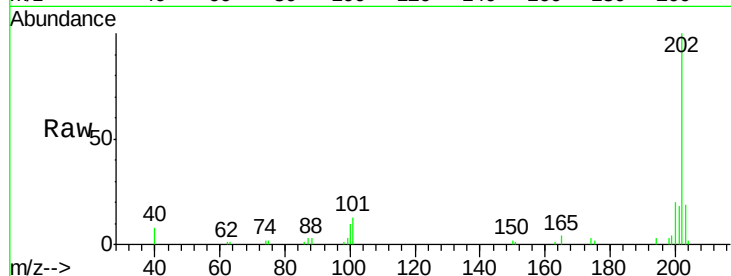
#77
 Pvrene
 Concen: 2.30 ng
 RT: 14.55 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

Tot Ion:	202	Resp:	27119
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.5	26.3
203	19.0	14.7	22.1

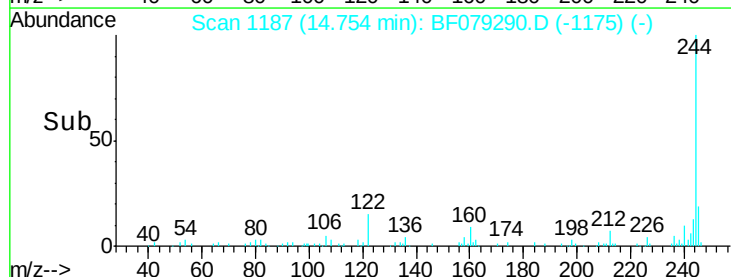
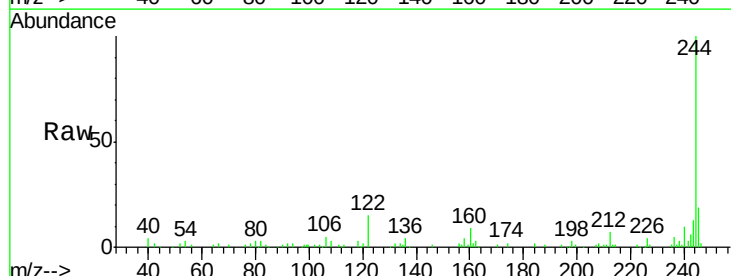
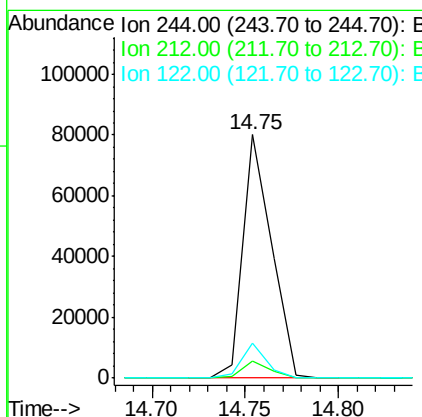
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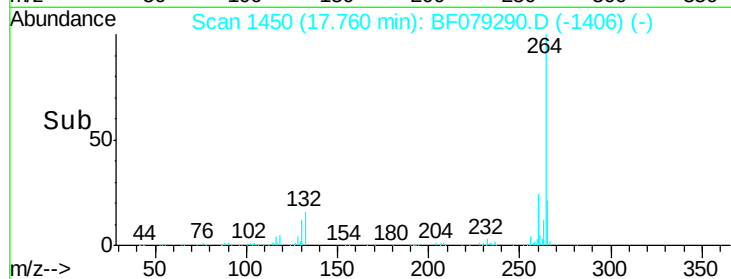
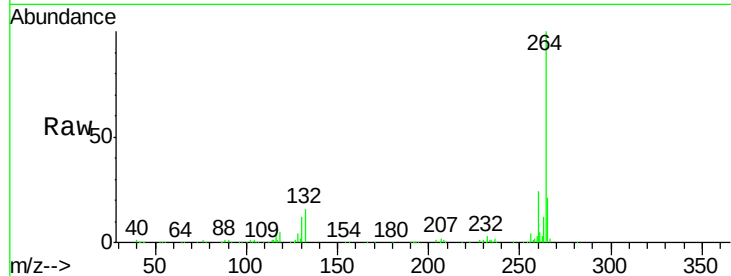
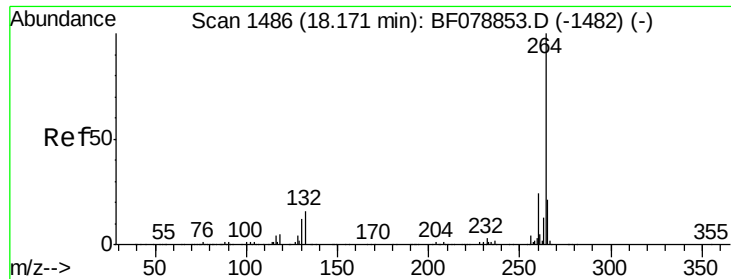
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#78
 Terphenyl-d14
 Concen: 10.02 ng
 RT: 14.75 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Tgt Ion:	244	Resp:	85496
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.6	8.4
122	14.6	10.5	15.7





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF079290.D
 Acq: 16 May 2015 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TW-4DL

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	17.2	25.8

Manual Integrations
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