

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052015\
 Data File : BF079391.D
 Acq On : 20 May 2015 21:23
 Operator : TP/IZ
 Sample : G2303-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7DEPTH

Manual Integrations
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Quant Time: May 21 03:42:18 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 00:52:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.10	152	75496	20.00	ng	0.01
21) Naphthalene-d8	8.67	136	291295	20.00	ng	0.01
38) Acenaphthene-d10	10.85	164	129797	20.00	ng	0.01
63) Phenanthrene-d10	12.69	188	250626	20.00	ng	0.01
75) Chrysene-d12	15.99	240	298378	20.00	ng	0.01
86) Perylene-d12	17.82	264	300918	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	427469	97.47	ng	0.00
7) Phenol-d6	6.67	99	584077	100.75	ng	0.01
23) Nitrobenzene-d5	7.78	82	304411	60.06	ng	0.00
41) 2,4,6-Tribromophenol	11.83	330	140207	99.85	ng	0.01
44) 2-Fluorobiphenyl	10.02	172	560239	60.13	ng	0.01
78) Terphenyl-d14	14.69	244	606575	48.67	ng	0.01
Target Compounds						
31) Naphthalene	8.70	128	108771m	7.84	ng	Qvalue
37) 2-Methylnaphthalene	9.55	142	410136	42.64	ng	# 95
45) 1,1'-Biphenyl	10.14	154	98959	9.59	ng	95
49) Dimethylphthalate	10.52	163	72127	7.57	ng	# 94
51) Acenaphthene	10.88	154	87634	11.12	ng	# 88
57) Fluorene	11.53	166	144045m	15.42	ng	
70) Phenanthrene	12.72	178	611535	43.62	ng	98
74) Fluoranthene	14.19	202	87461	5.99	ng	87
77) Pyrene	14.47	202	344548m	20.04	ng	
80) Benzo(a)anthracene	15.98	228	173206	10.60	ng	# 63
82) Chrysene	16.02	228	267491	17.02	ng	# 70
83) Bis(2-ethylhexyl)phthalate	16.05	149	68128	5.98	ng	# 94
87) Benzo(b)fluoranthene	17.34	252	57050m	3.46	ng	
89) Benzo(a)pyrene	17.75	252	77088	5.08	ng	# 45
91) Benzo(a,h,i)perylene	19.60	276	45607	2.82	ng	# 65

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

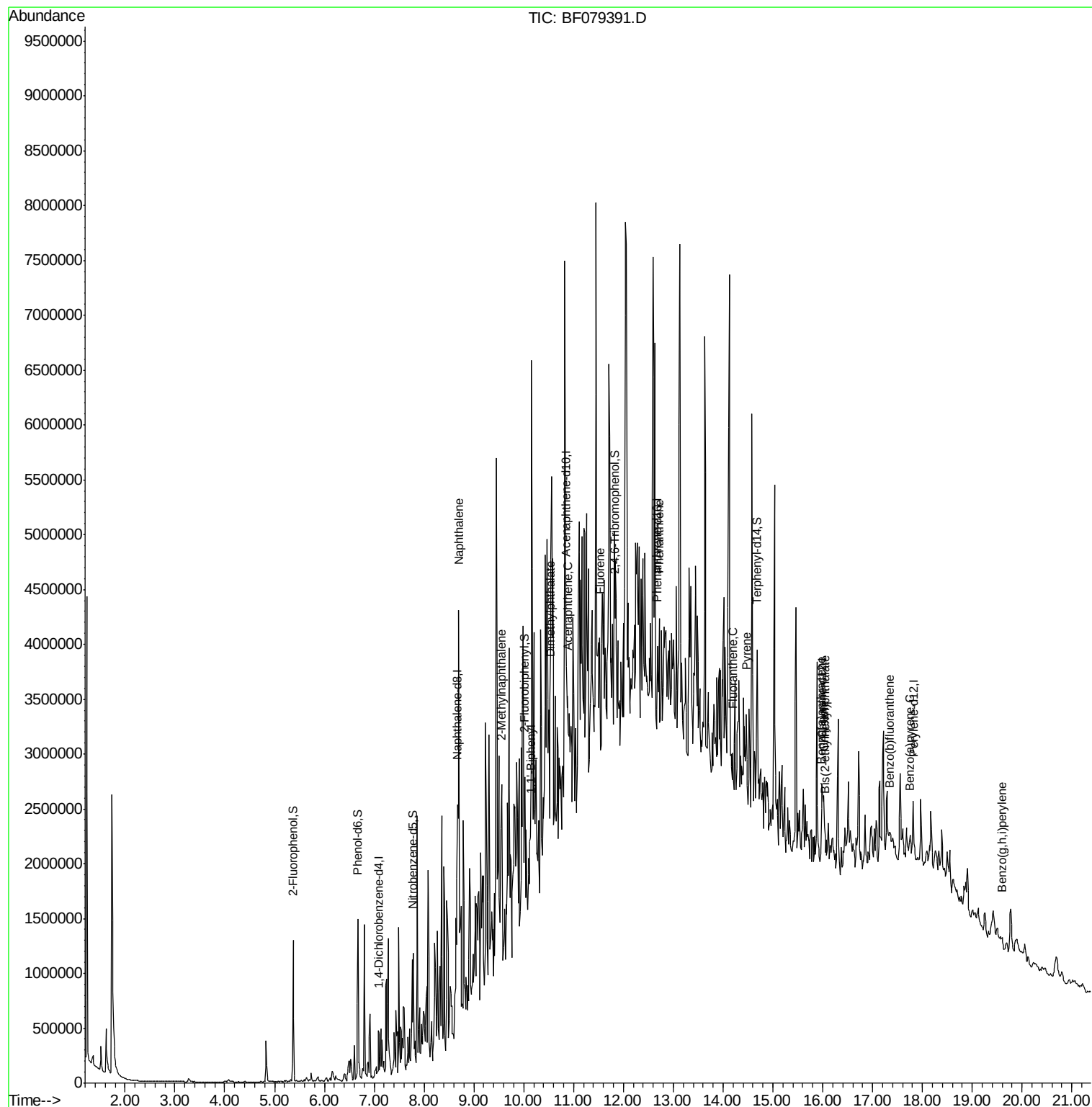
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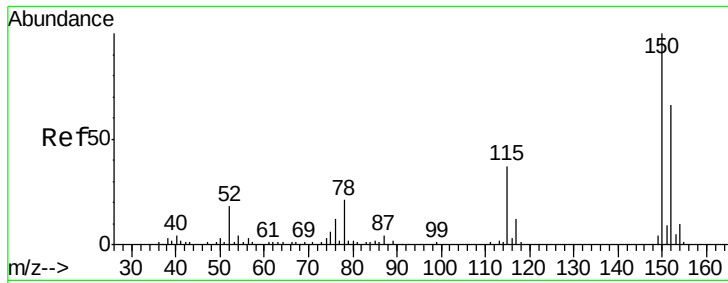
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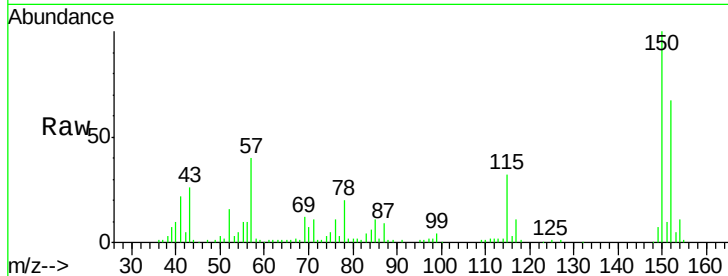
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.10 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Instrument :
 BNA_F
 ClientSampleId :
 7DEPTH

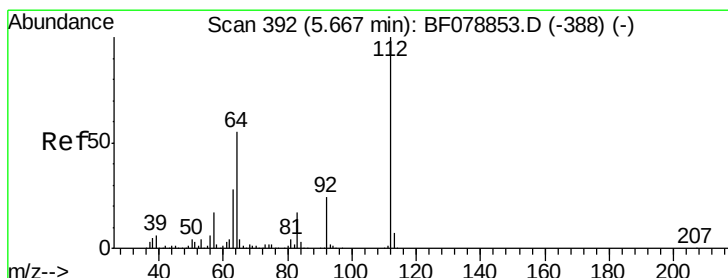
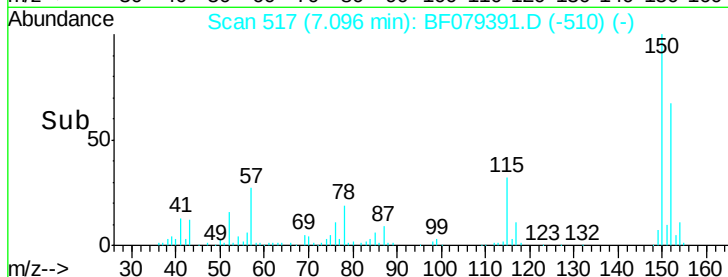
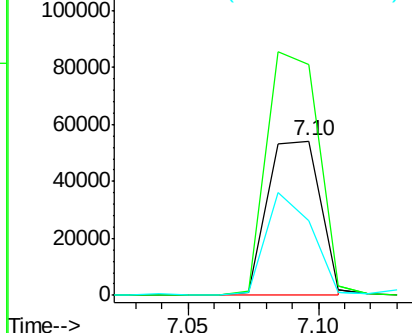
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	123.8	185.8
115	48.3	49.4	74.0

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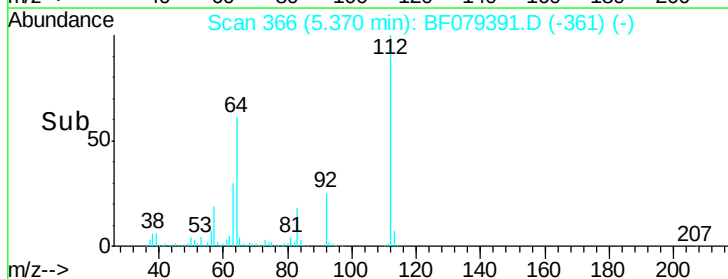
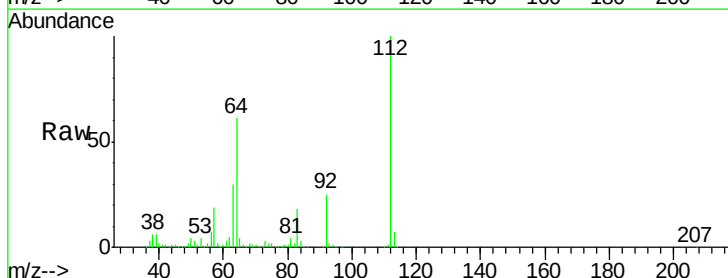
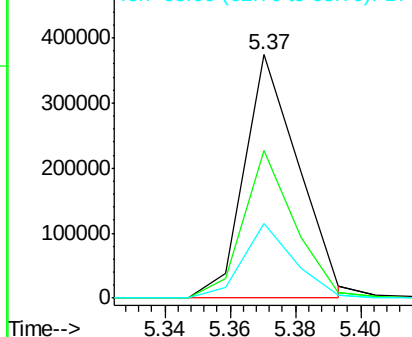
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

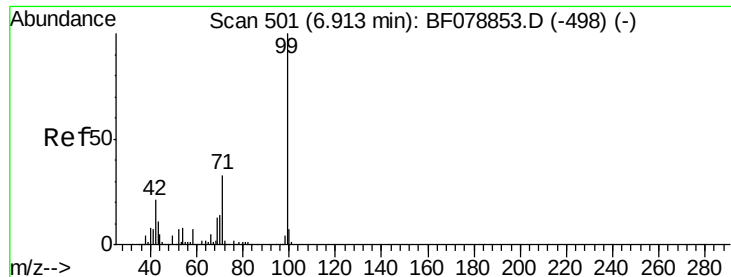


#5
 2-Fluorophenol
 Concen: 97.47 ng
 RT: 5.37 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	44.2	66.2
63	30.5	22.7	34.1

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: 100.75 ng

RT: 6.67 min Scan# 480

Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

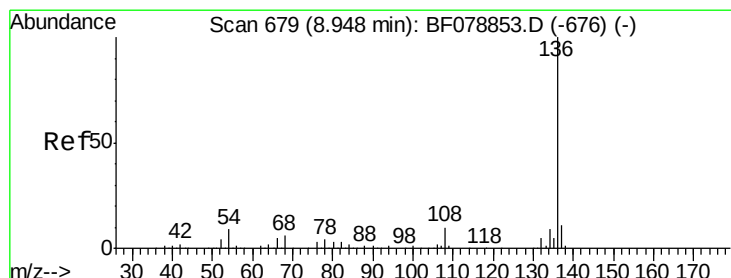
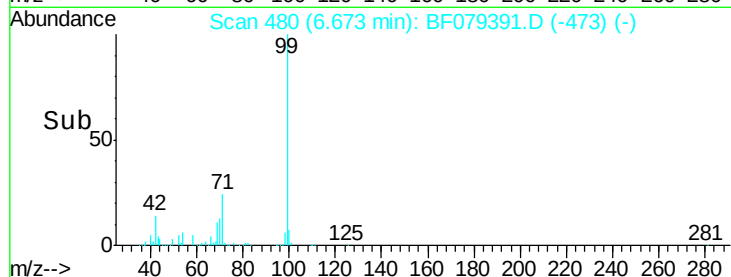
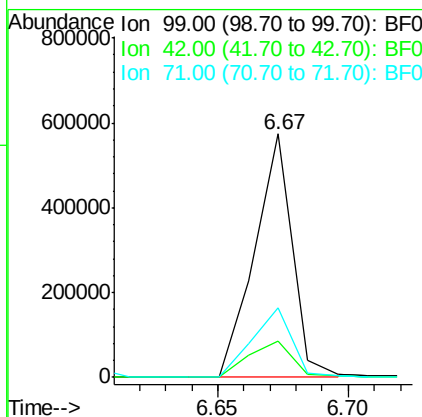
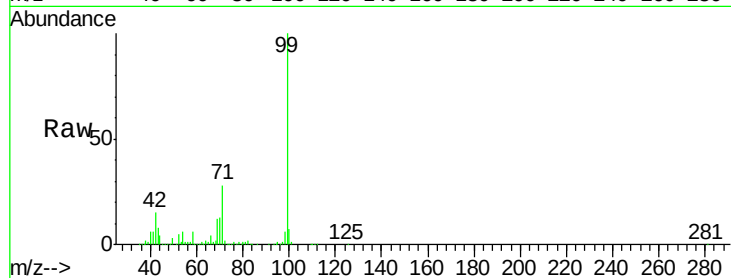
ClientSampleId :

7DEPTH

Tot Ion:	99	Resp:	584077
Ion Ratio	Lower	Upper	
99	100		
42	15.0	17.1	25.7#
71	28.3	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

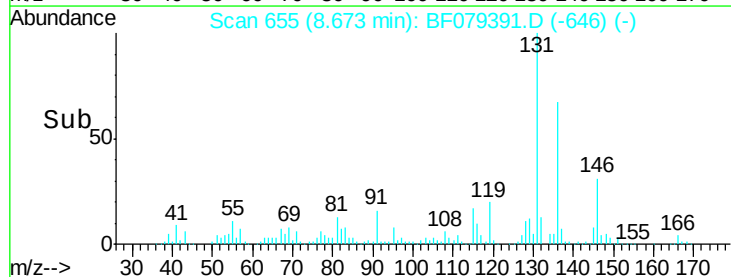
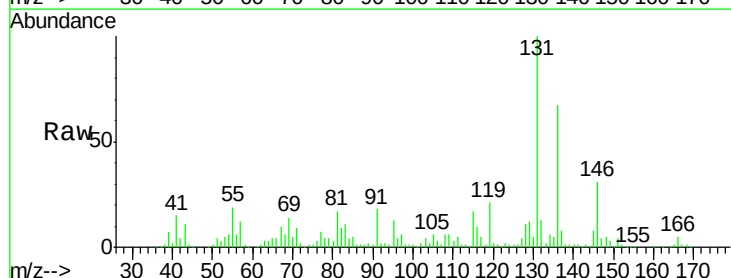
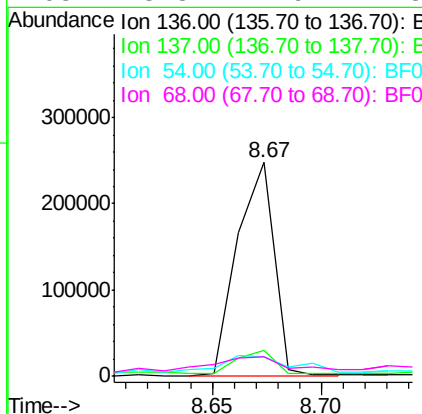
RT: 8.67 min Scan# 655

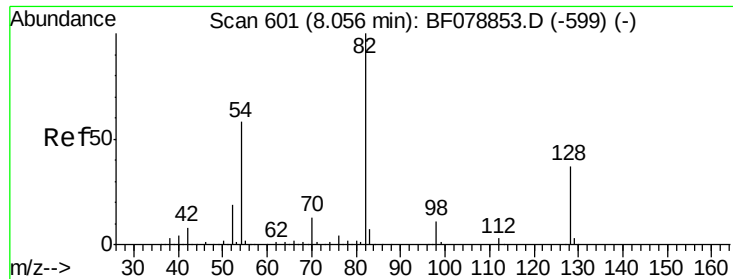
Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Tgt Ion:	136	Resp:	291295
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.8	13.2
54	9.1	6.9	10.3
68	8.8	4.9	7.3#





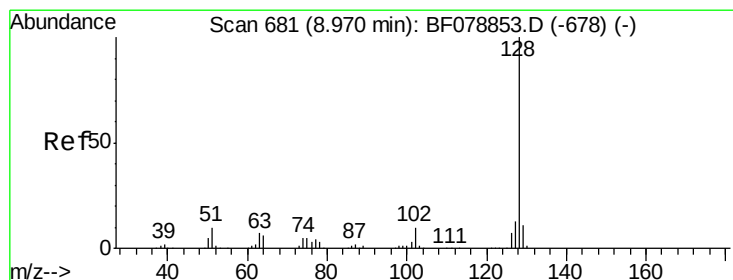
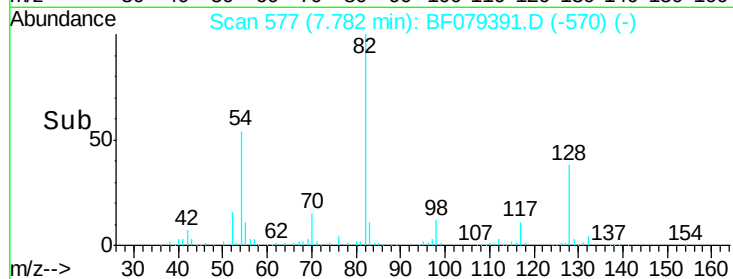
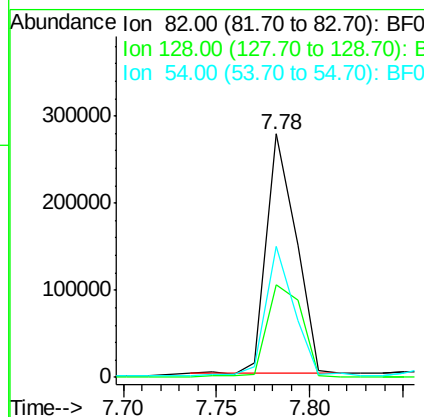
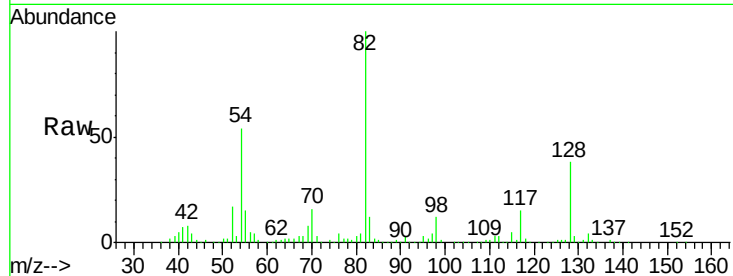
#23
Nitrobenzene-d5
Concen: 60.06 ng
RT: 7.78 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Instrument :
BNA_F
ClientSampled :
7DEPTH

Tot Ion	Ratio	Resp	Lower	Upper
82	100	304411		
128	38.3	29.7	44.5	
54	53.7	46.2	69.4	

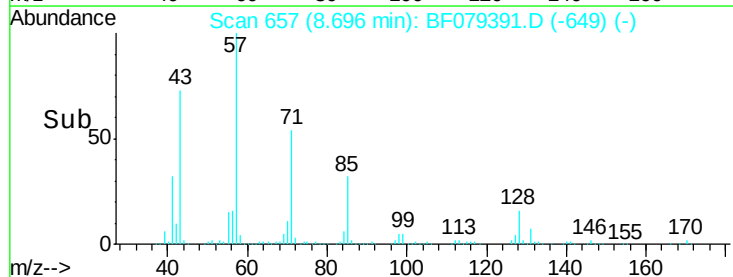
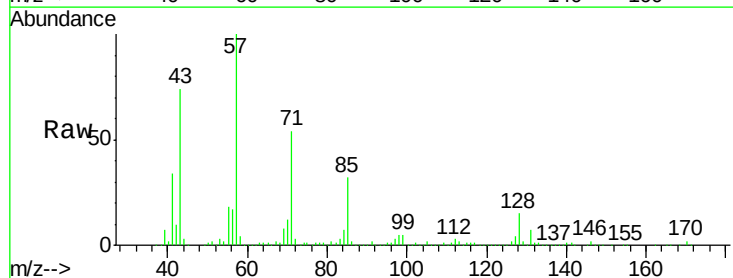
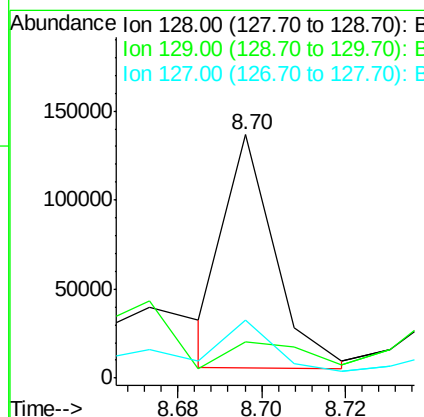
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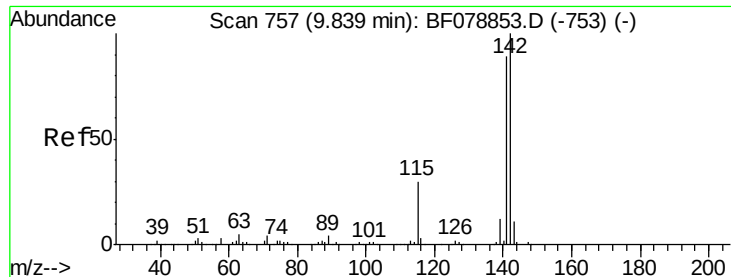
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#31
Naphthalene
Concen: 7.84 ng m
RT: 8.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	108771		
129	14.8	9.2	13.8#	
127	24.0	10.3	15.5#	





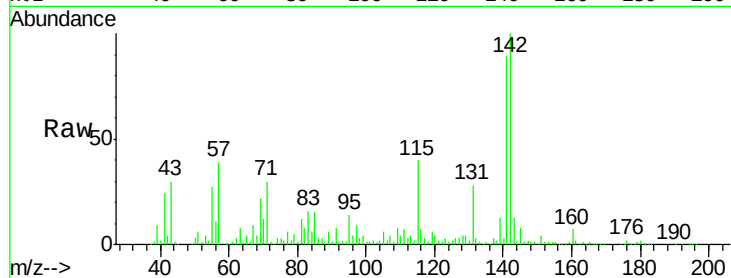
#37
2-Methylnaphthalene
Concen: 42.64 ng
RT: 9.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Instrument :
BNA_F
ClientSampleId :
7DEPTH

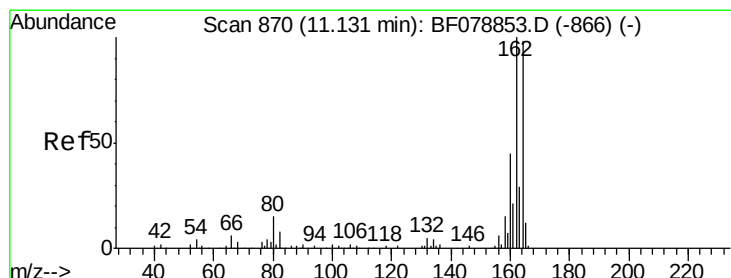
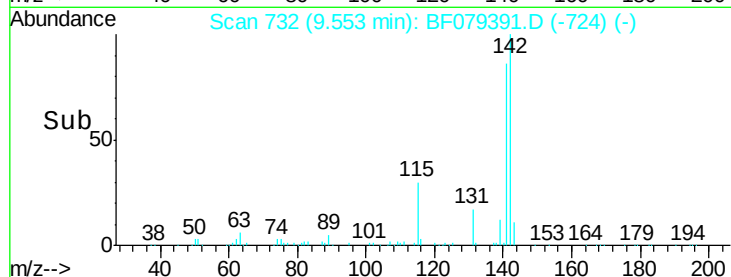
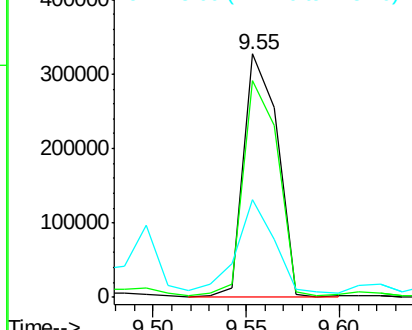
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.6	107.4
115	40.1	24.2	36.4

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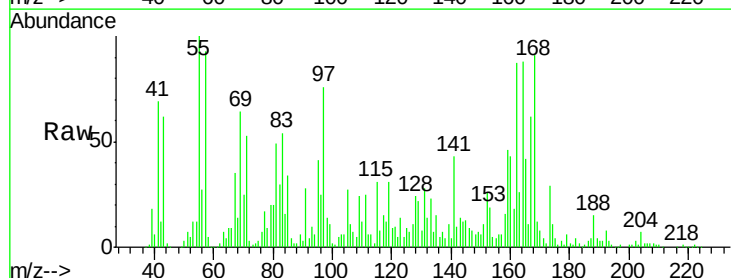


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

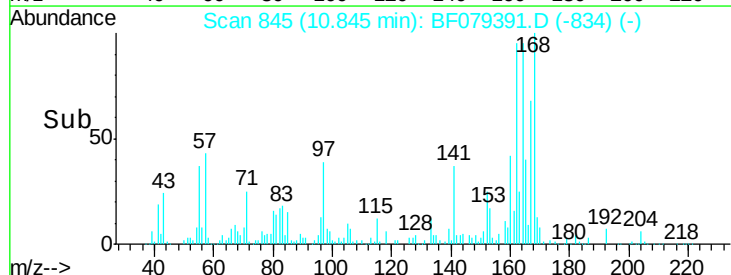
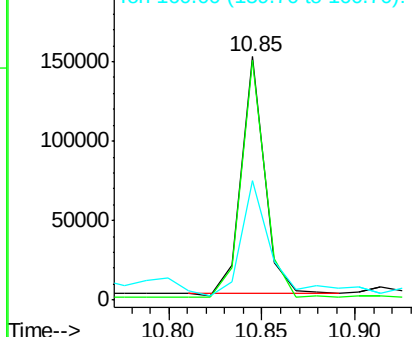


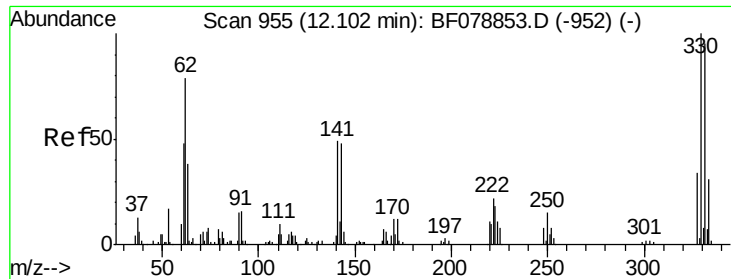
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.85 min Scan# 845
Delta R.T. 0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.4	122.0
160	49.3	36.6	54.8



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





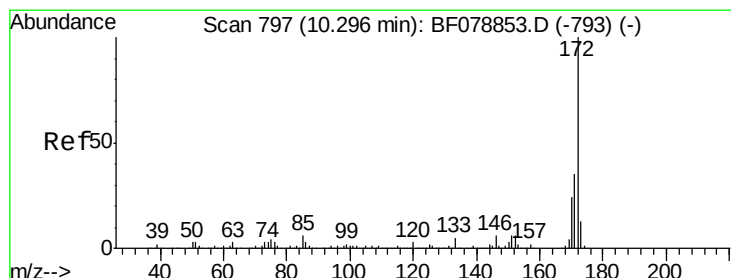
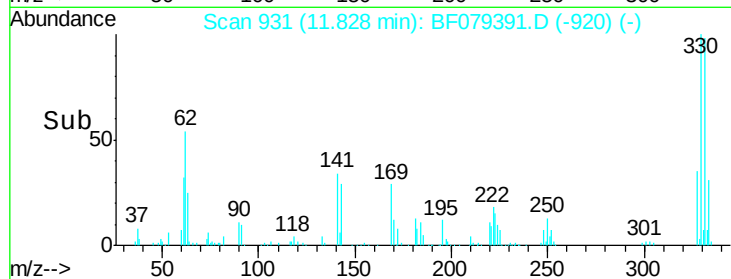
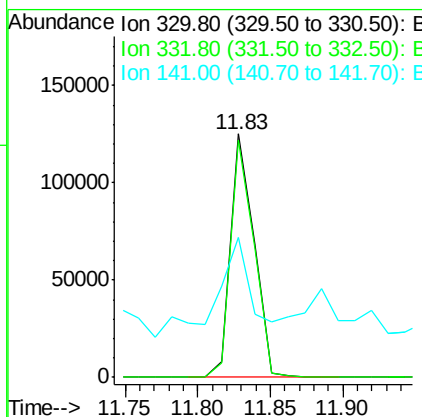
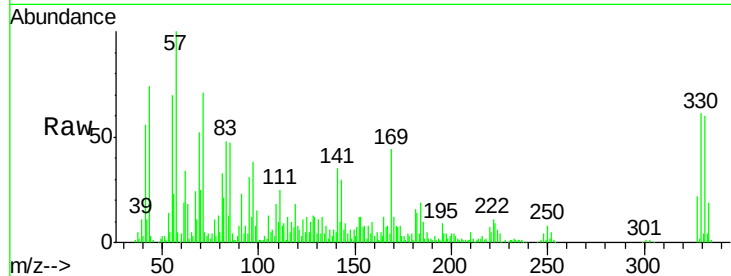
#41
 2,4,6-Tribromophenol
 Concen: 99.85 ng
 RT: 11.83 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	140207		
332	97.5	76.9	115.3	
141	60.3	27.8	41.8#	

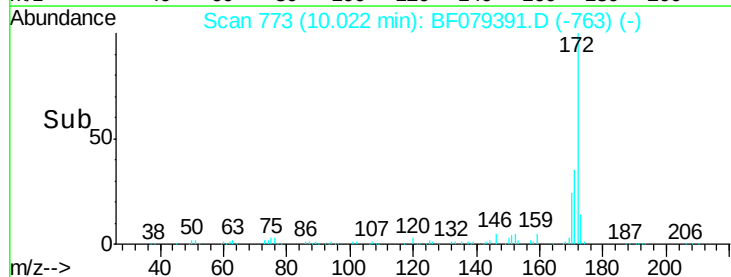
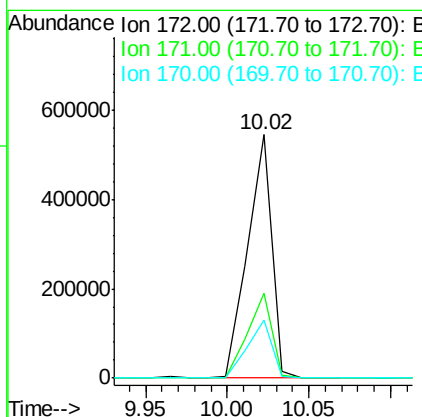
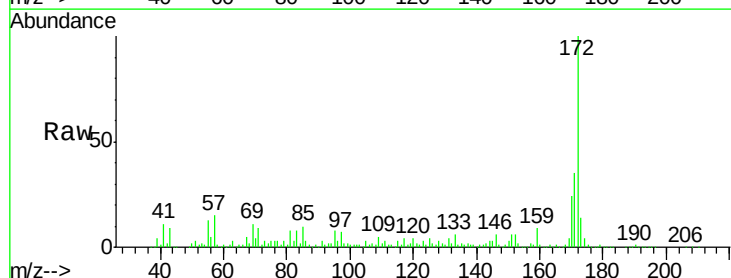
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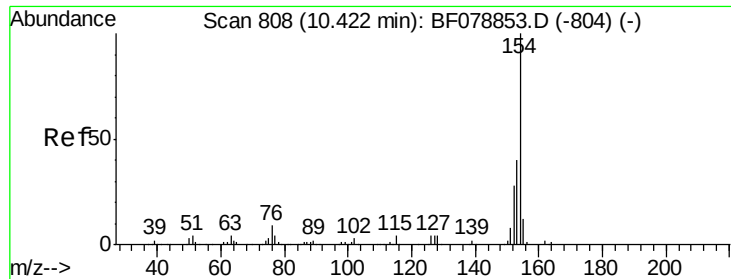
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#44
 2-Fluorobiphenyl
 Concen: 60.13 ng
 RT: 10.02 min Scan# 773
 Delta R.T. 0.01 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	560239		
171	34.8	28.3	42.5	
170	23.8	19.4	29.2	





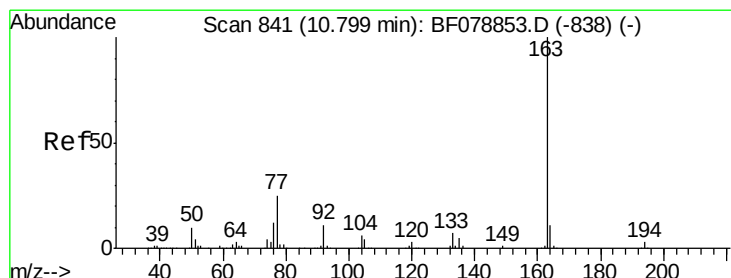
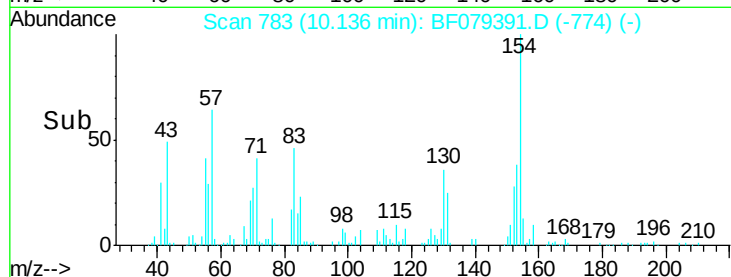
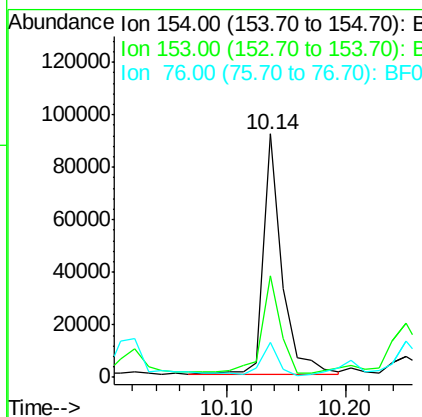
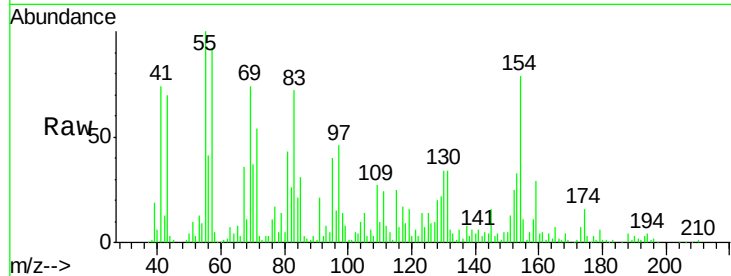
#45
 1,1'-Biphenyl
 Concen: 9.59 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Instrument :
 BNA_F
 ClientSampleId :
 7DEPTH

Tot Ion:	154	Resp:	98959
Ion Ratio	Lower	Upper	
154	100		
153	41.5	19.7	59.7
76	14.4	0.0	29.1

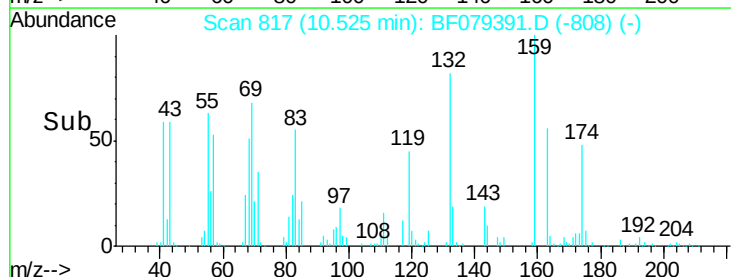
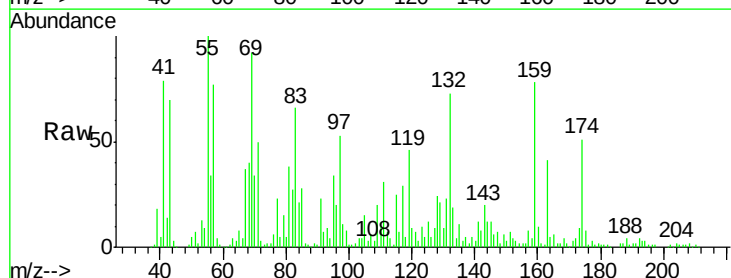
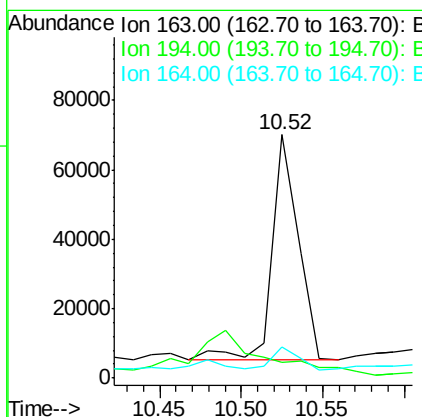
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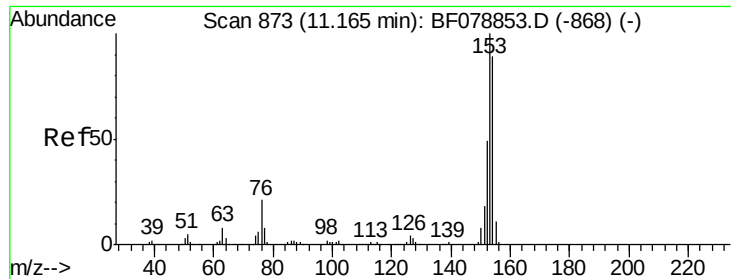
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#49
 Dimethylphthalate
 Concen: 7.57 ng
 RT: 10.52 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF079391.D
 Acq: 20 May 2015 21:23

Tgt Ion:	163	Resp:	72127
Ion Ratio	Lower	Upper	
163	100		
194	6.4	2.4	3.6#
164	12.7	8.6	12.8





#51

Acenaphthene

Concen: 11.12 ng

RT: 10.88 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

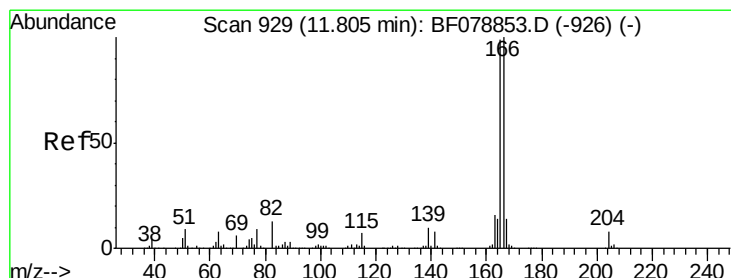
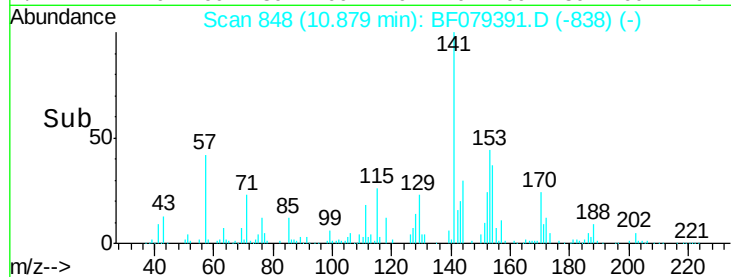
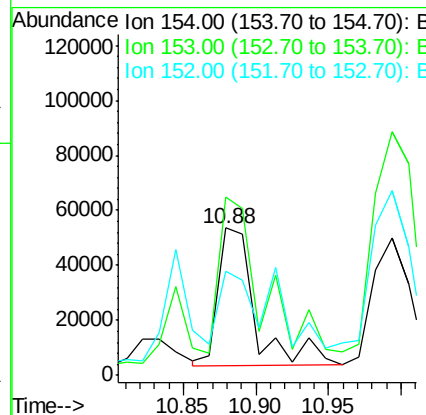
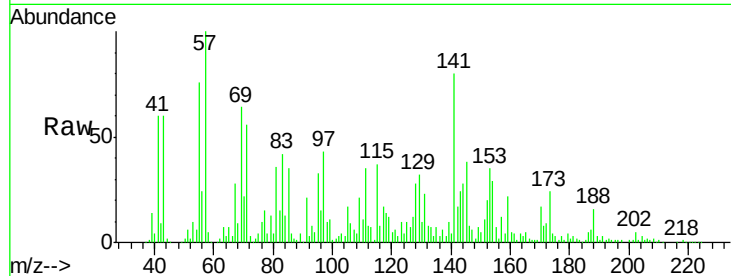
ClientSampleId :

7DEPTH

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.2	90.2	135.2
152	70.4	43.8	65.8

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#57

Fluorene

Concen: 15.42 ng m

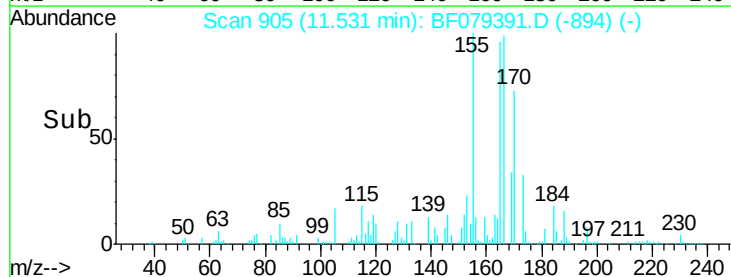
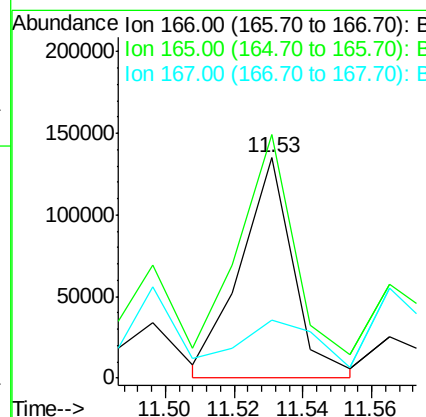
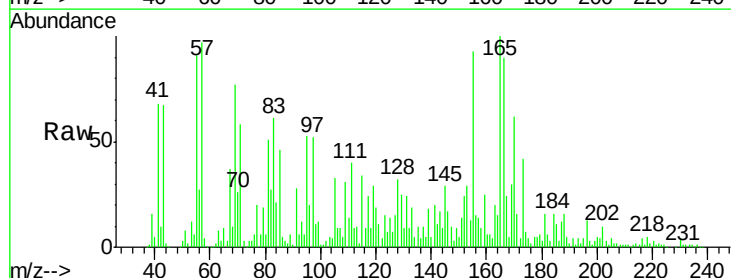
RT: 11.53 min Scan# 905

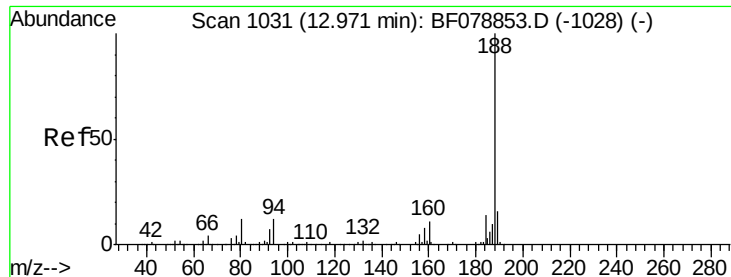
Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.5	79.5	119.3
167	26.2	11.0	16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

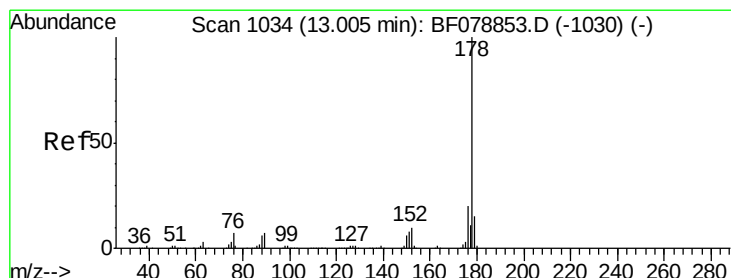
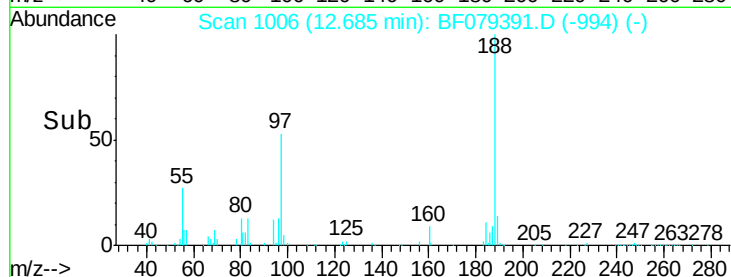
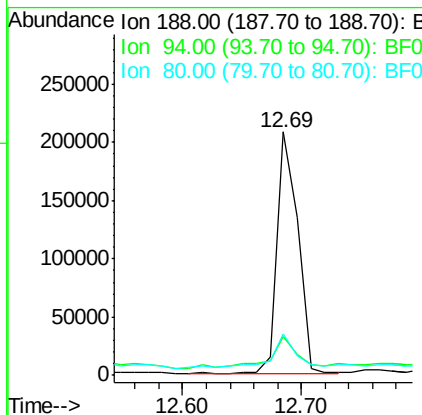
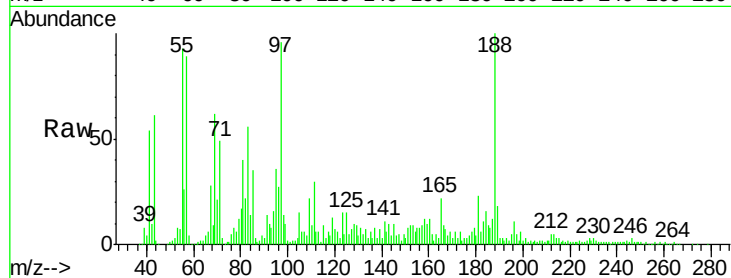
ClientSampleId :

7DEPTH

Tot Ion:	188	Resp:	250626
Ion Ratio	Lower	Upper	
188	100		
94	16.1	9.4	14.0#
80	17.1	9.8	14.6#

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#70

Phenanthrene

Concen: 43.62 ng

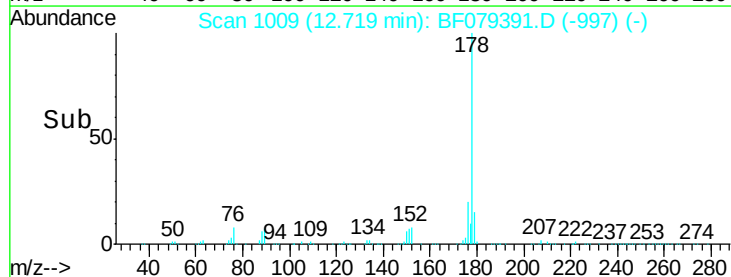
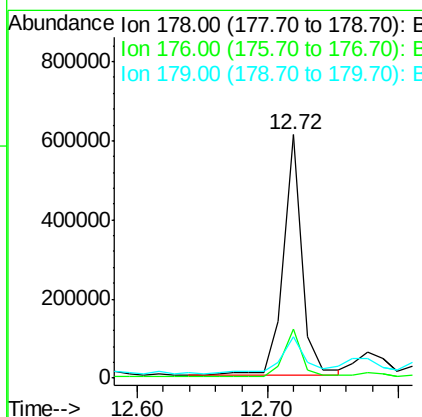
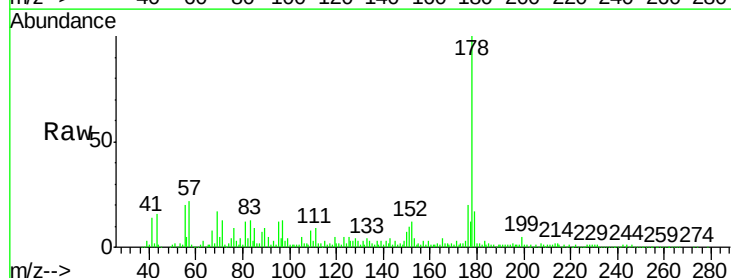
RT: 12.72 min Scan# 1009

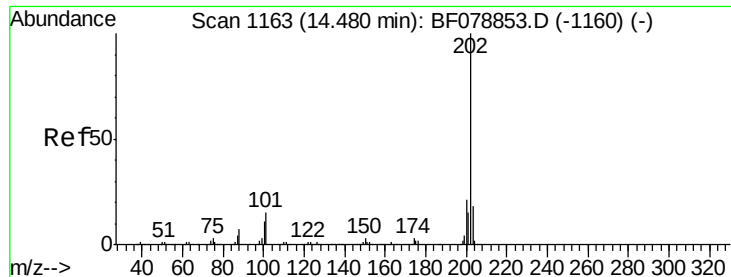
Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Tgt Ion:	178	Resp:	611535
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.9	23.9
179	17.1	12.2	18.4





#74

Fluoranthene

Concen: 5.99 ng

RT: 14.19 min Scan# 1138

Delta R.T. 0.02 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

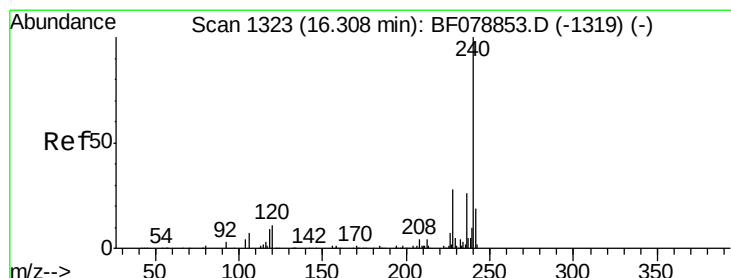
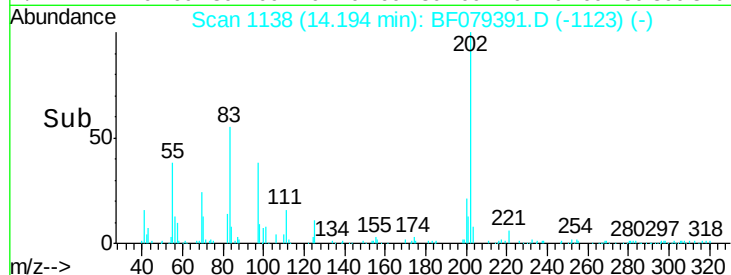
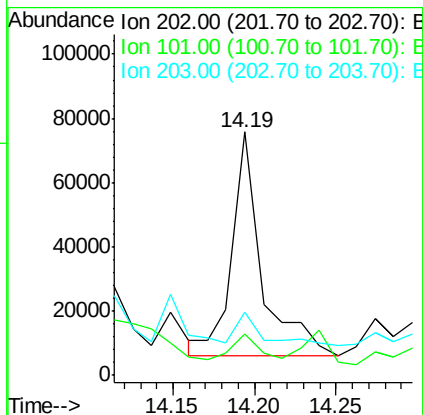
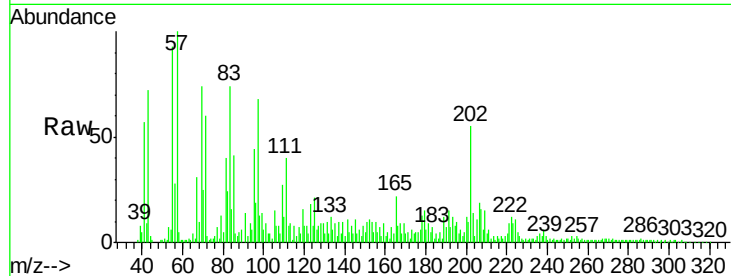
ClientSampleId :

7DEPTH

Tot Ion:	202	Resp:	87461
Ion Ratio	Lower	Upper	
202	100		
101	17.0	0.0	34.7
203	26.1	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

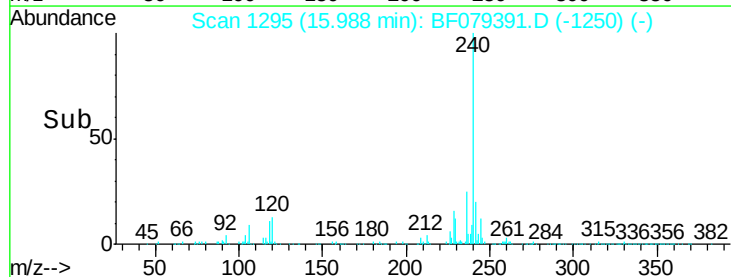
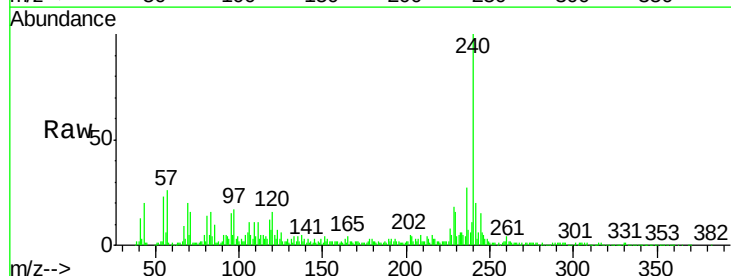
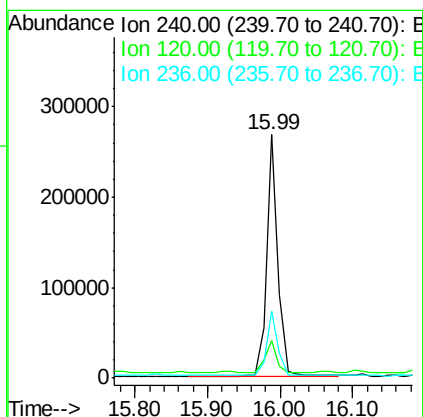
RT: 15.99 min Scan# 1295

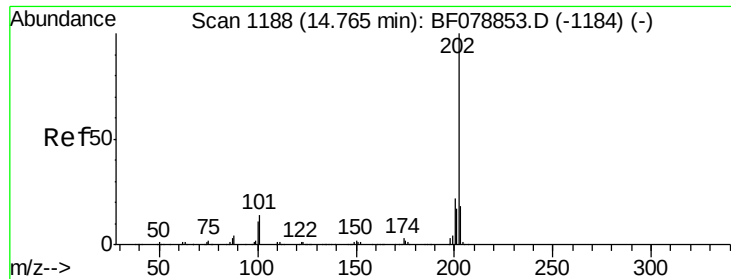
Delta R.T. 0.01 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Tgt Ion:	240	Resp:	298378
Ion Ratio	Lower	Upper	
240	100		
120	15.6	8.6	12.8#
236	27.3	21.0	31.6





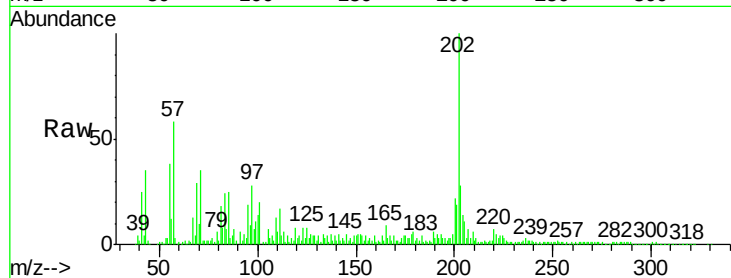
#77
Pvrene
Concen: 20.04 ng/mL
RT: 14.47 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Instrument :
BNA_F
ClientSampleId :
7DEPTH

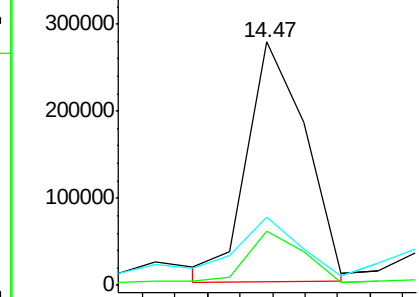
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.2	17.5	26.3
203	28.2	14.7	22.1

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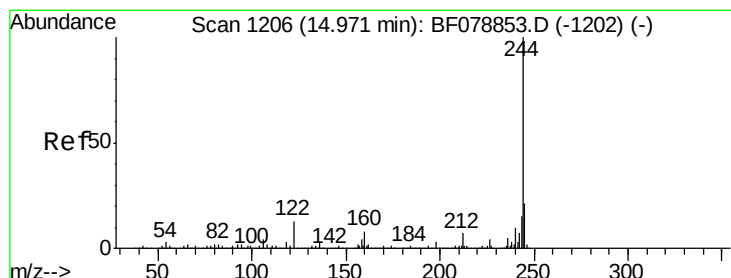
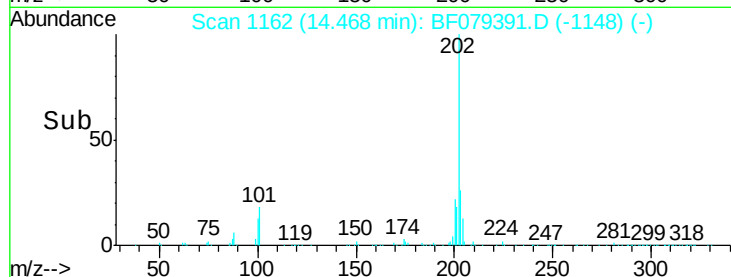
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

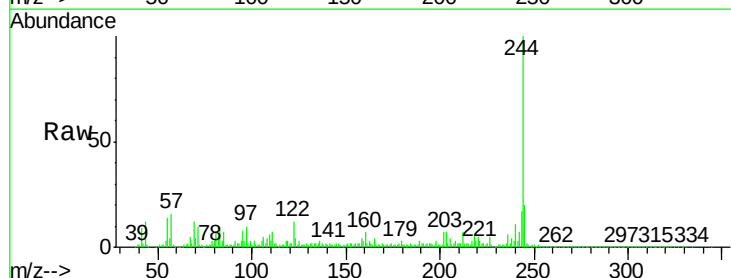


Time-->

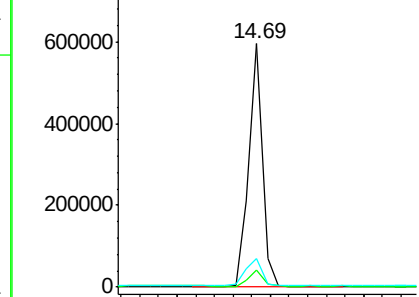


#78
Terphenyl-d14
Concen: 48.67 ng
RT: 14.69 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

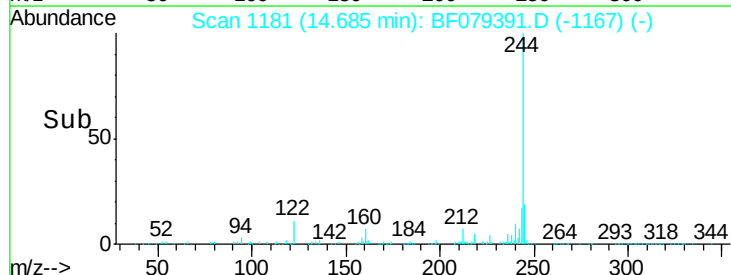
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	10.5	15.7

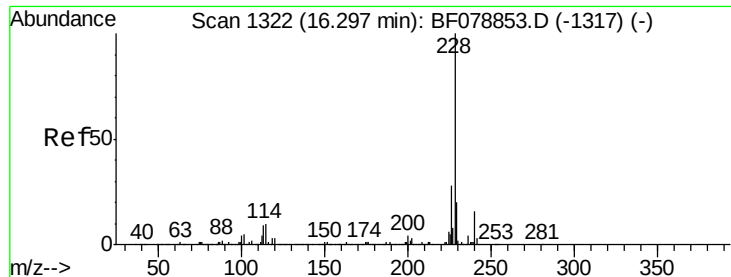


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





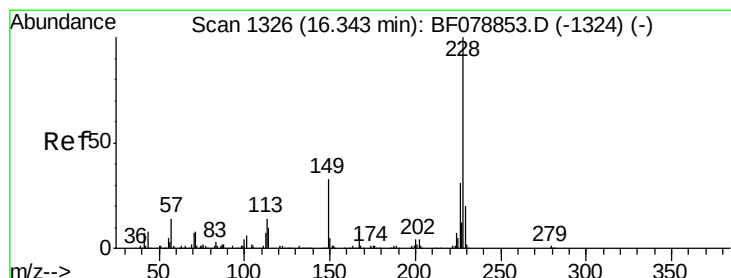
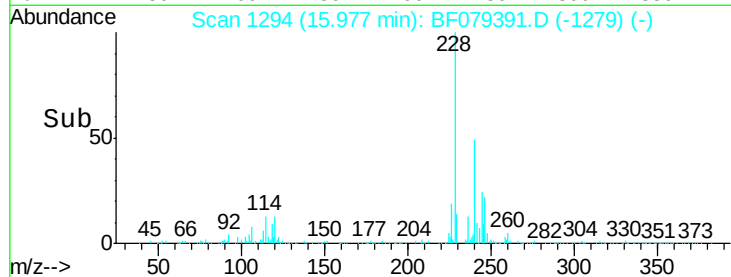
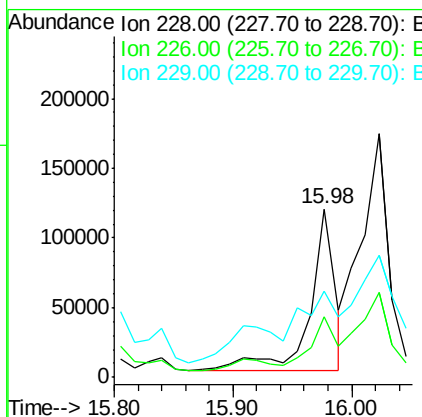
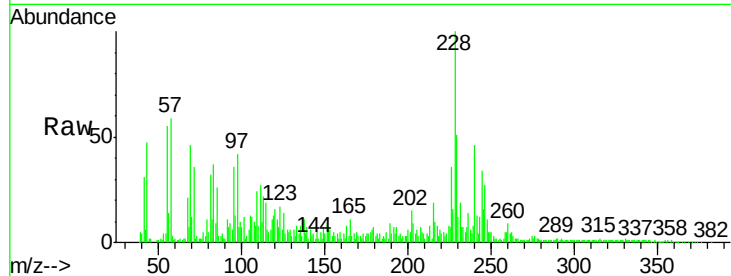
#80
Benzo(a)anthracene
Concen: 10.60 ng
RT: 15.98 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Instrument :
BNA_F
ClientSampleId :
7DEPTH

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	22.3	33.5#
229	51.2	16.1	24.1#

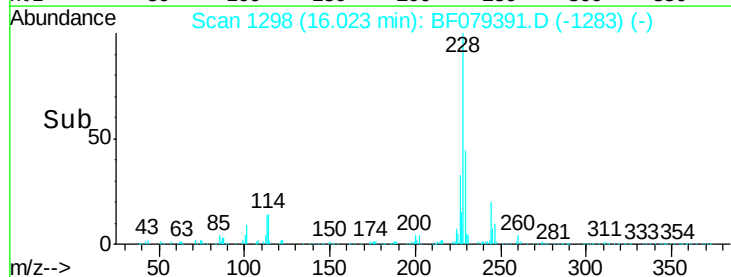
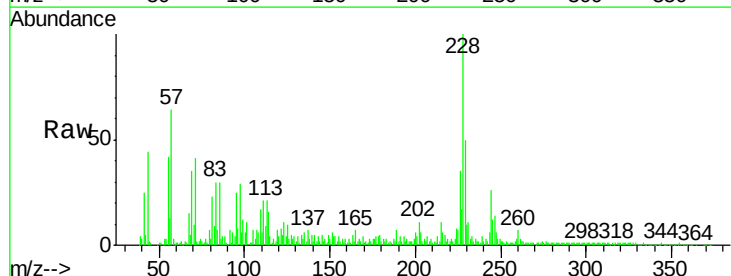
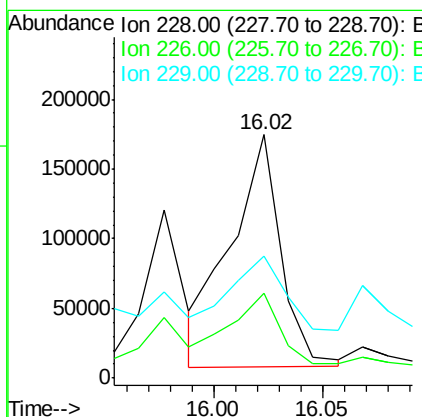
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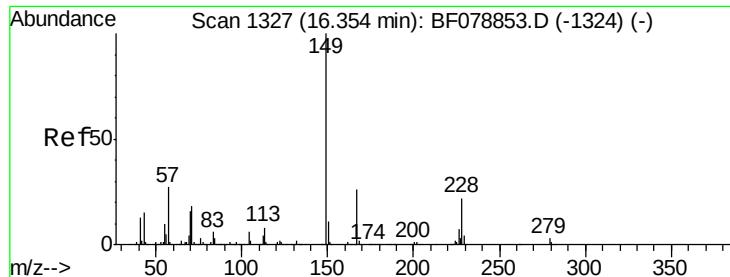
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#82
Chrysene
Concen: 17.02 ng
RT: 16.02 min Scan# 1298
Delta R.T. 0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	24.8	37.2
229	49.9	16.1	24.1#





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.98 ng

RT: 16.05 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

ClientSampleId :

7DEPTH

Tot Ion:149 Resp: 68128

Ion Ratio Lower Upper

149 100

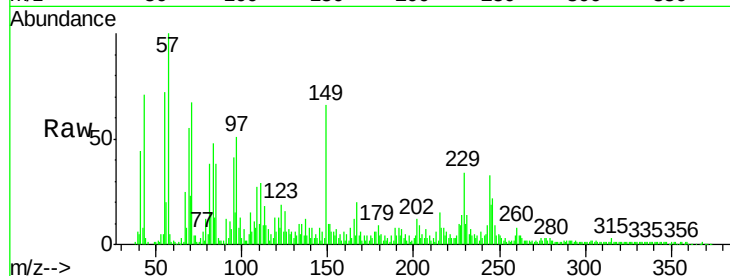
167 29.8 21.2 31.8

279 4.8 2.6 4.0#

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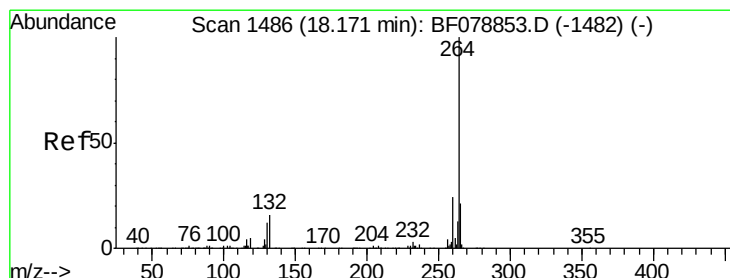
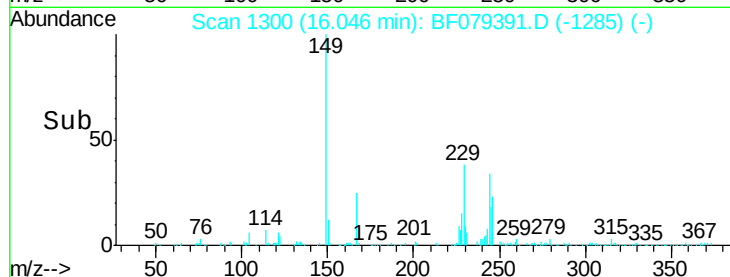
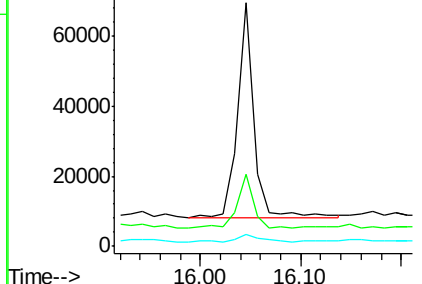
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.82 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

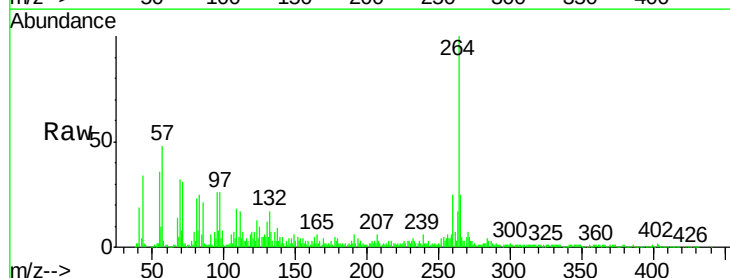
Tgt Ion:264 Resp: 300918

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

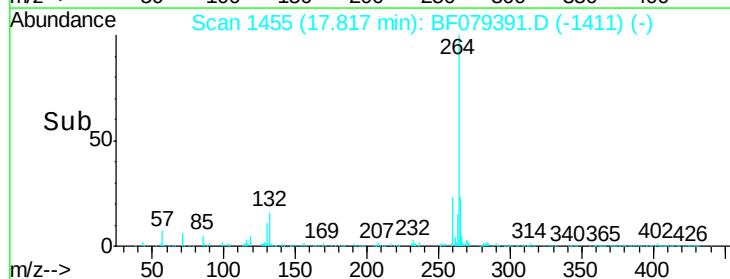
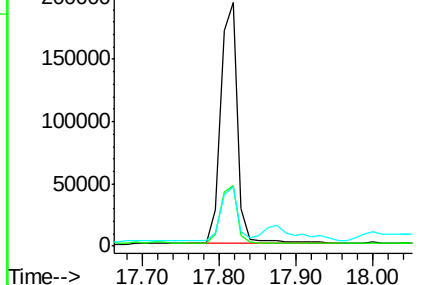
265 24.5 17.2 25.8

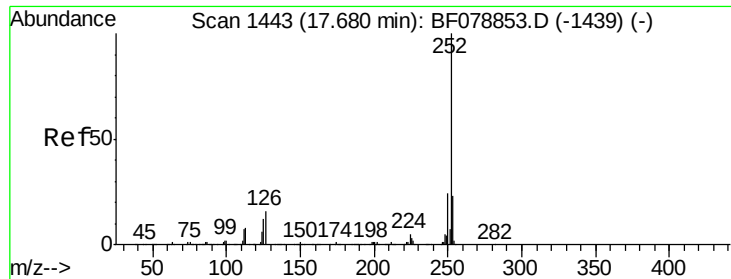


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.46 ng m

RT: 17.34 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Instrument :

BNA_F

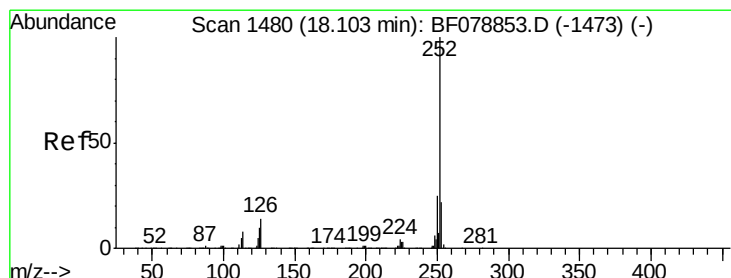
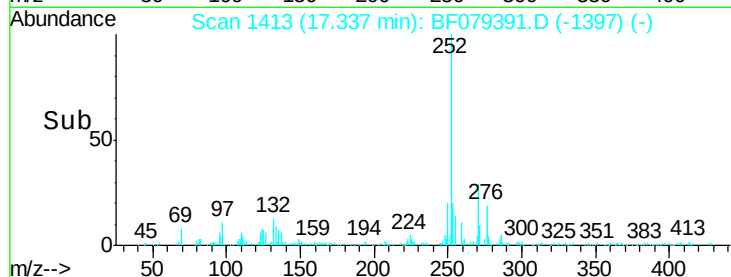
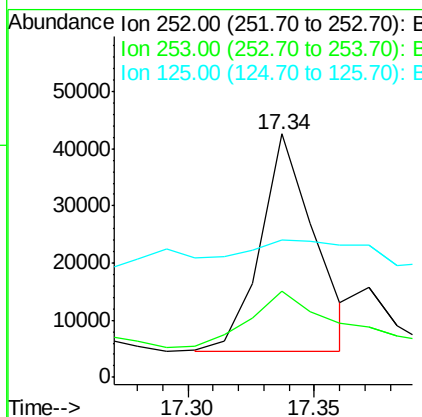
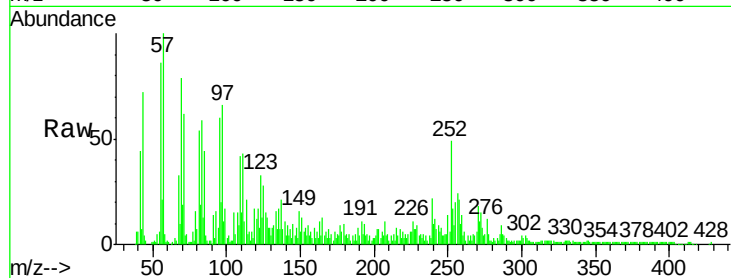
ClientSampleId :

7DEPTH

Tot Ion:	252	Resp:	57050
Ion Ratio	Lower	Upper	
252	100		
253	35.3	18.1	27.1#
125	56.7	9.4	14.2#

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#89

Benzo(a)pyrene

Concen: 5.08 ng

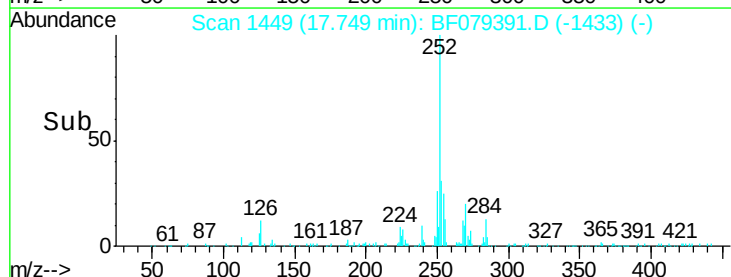
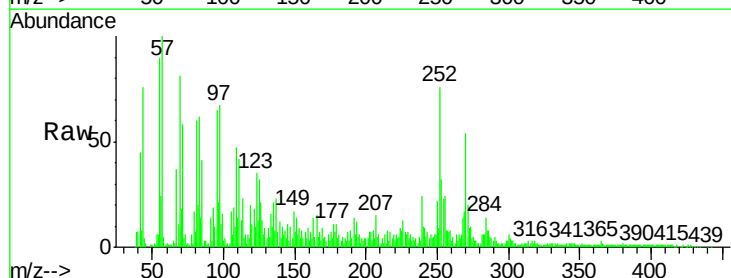
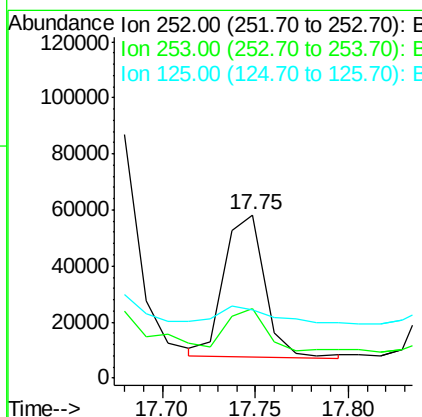
RT: 17.75 min Scan# 1449

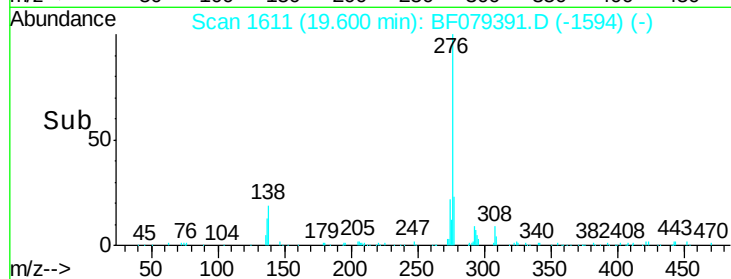
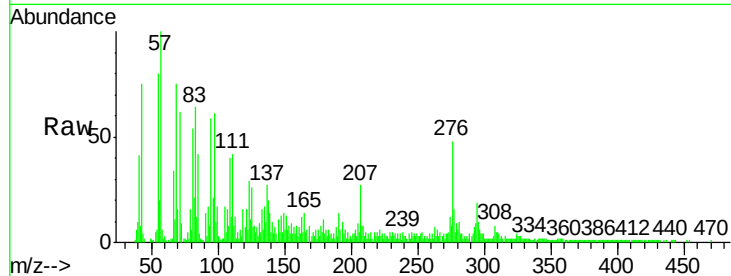
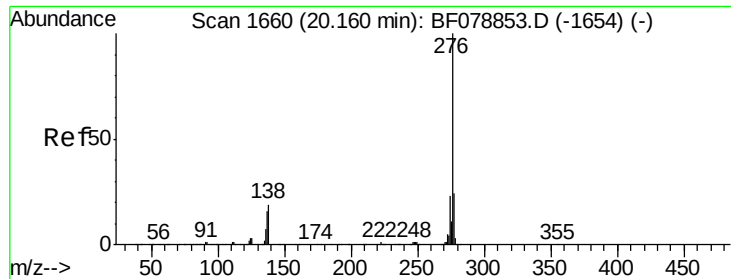
Delta R.T. -0.00 min

Lab File: BF079391.D

Acq: 20 May 2015 21:23

Tgt Ion:	252	Resp:	77088
Ion Ratio	Lower	Upper	
252	100		
253	42.3	18.0	27.0#
125	42.1	8.2	12.2#





#91
Benzo(a,h,i)perylene
Concen: 2.82 ng
RT: 19.60 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF079391.D
Acq: 20 May 2015 21:23

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.7	18.8	28.2#
138	42.7	15.2	22.8#

Instrument :
BNA_F
ClientSampleId :
7DEPTH

Manual Integrations
APPROVED

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