

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
 Data File : BE091573.D
 Acq On : 31 Mar 2016 2:56
 Operator : UM/SJ
 Sample : H1946-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Manual Integrations
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 3/31/2016 4:56:35 PM

Quant Time: Mar 31 04:34:29 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 18:45:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	37966	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	187646	5.00	ng	0.00
10) Acenaphthene-d10	14.42	164	120585	5.00	ng	-0.03
16) Phenanthrene-d10	17.16	188	279814	5.00	ng	-0.01
22) Chrysene-d12	21.31	240	379166	5.00	ng	-0.02
28) Perylene-d12	23.76	264	318772	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	23615	2.38	ng	-0.01
5) Phenol-d6	6.97	99	22728	1.69	ng	-0.02
7) Nitrobenzene-d5	8.96	82	40719	3.23	ng	-0.02
11) 2,4,6-Tribromophenol	15.91	330	33431	6.26	ng	-0.01
12) 2-Fluorobiphenyl	13.05	172	112976	3.30	ng	-0.02
24) Terphenyl-d14	19.76	244	188829	3.92	ng	-0.02
Target Compounds						
8) Naphthalene	10.63	128	27632m	0.71	ng	Qvalue
9) 2-Methylnaphthalene	12.24	142	8776	0.35	ng	# 80
14) Acenaphthene	14.49	154	19004	0.64	ng	93
15) Fluorene	15.47	166	6410	0.17	ng	# 95
19) Phenanthrene	17.19	178	4603	0.07	ng	# 95
20) Anthracene	17.29	178	6487	0.11	ng	# 92
21) Fluoranthene	19.21	202	2561m	0.03	ng	

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

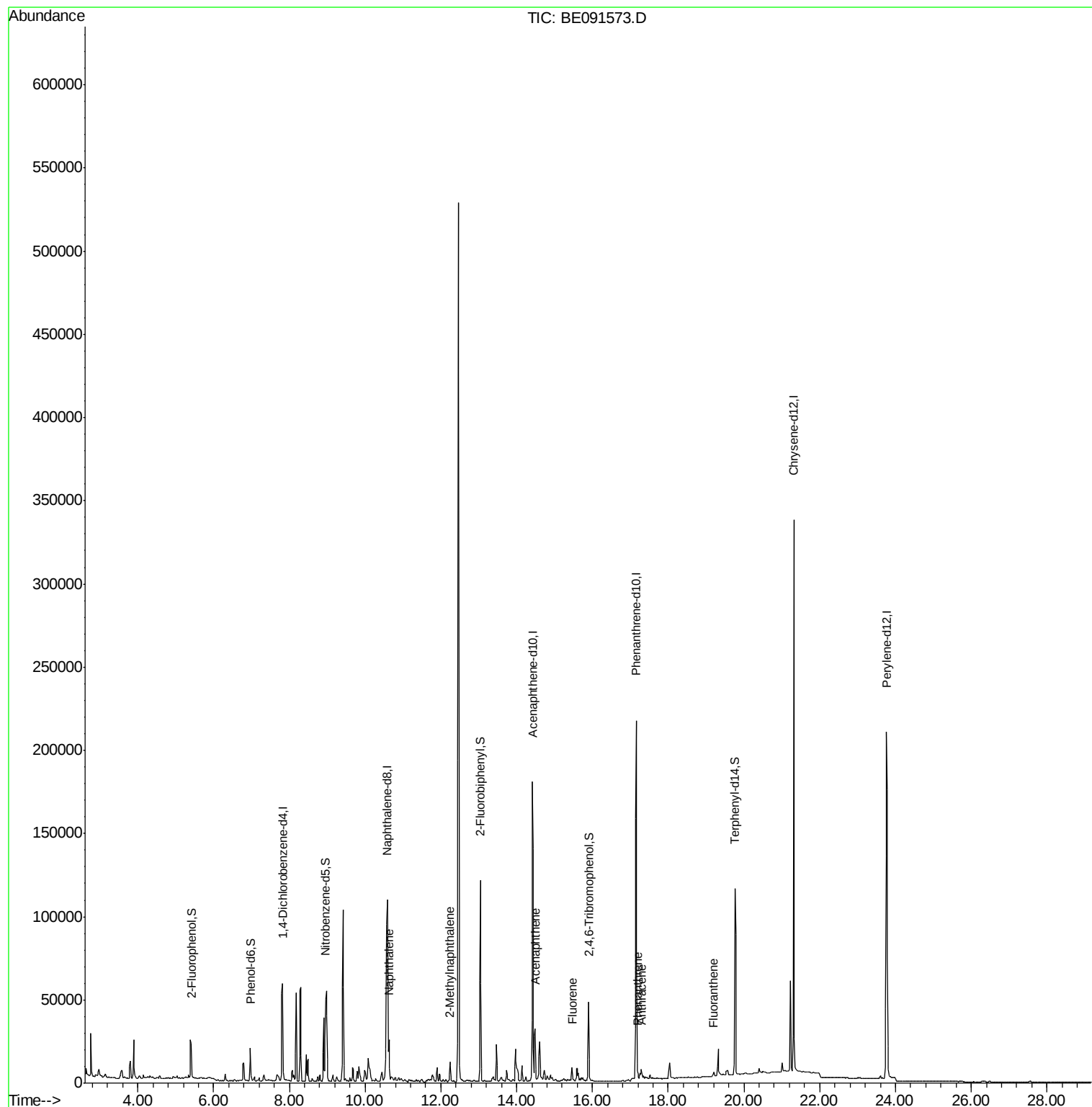
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
Data File : BE091573.D
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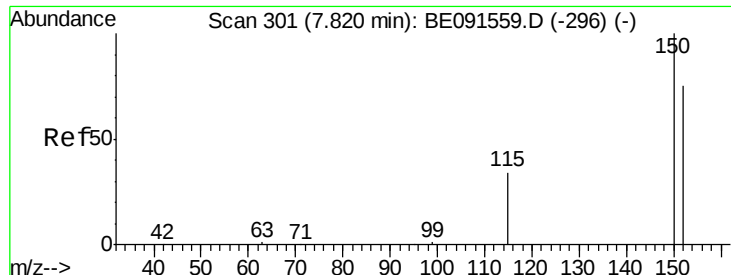
Instrument :
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ClientSampleId :
MW-2

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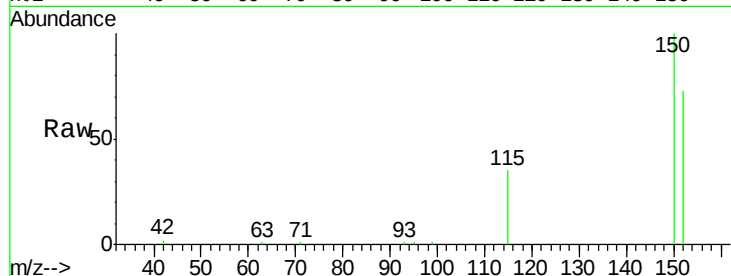




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.00 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56

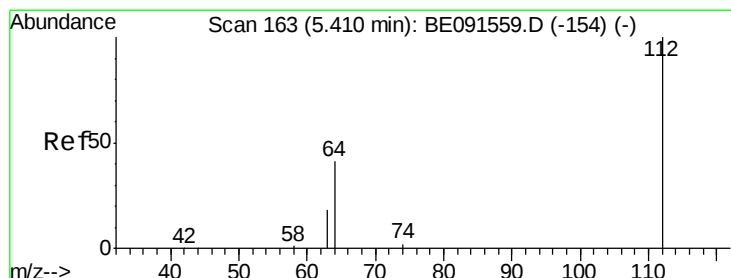
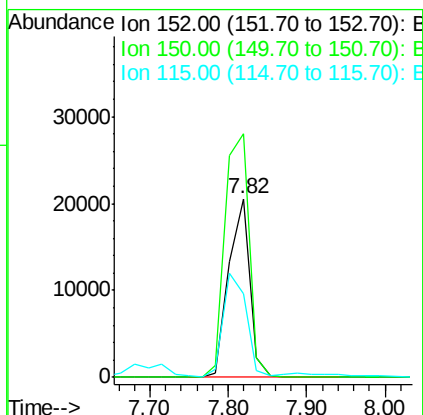
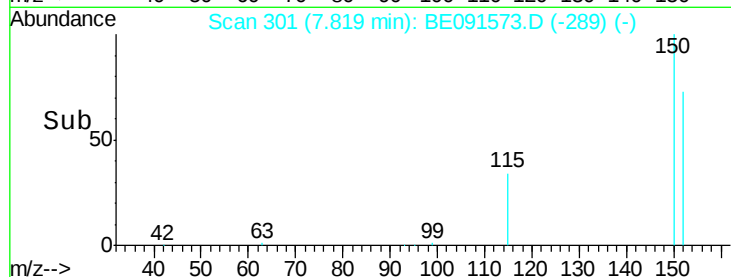
Instrument :
BNA_E
ClientSampleId :
MW-2



Tgt Ion	Ratio	Lower	Upper
152	100		
150	136.4	122.2	183.2
115	47.2	45.9	68.9

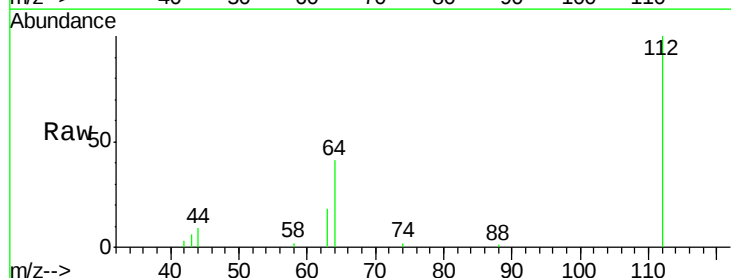
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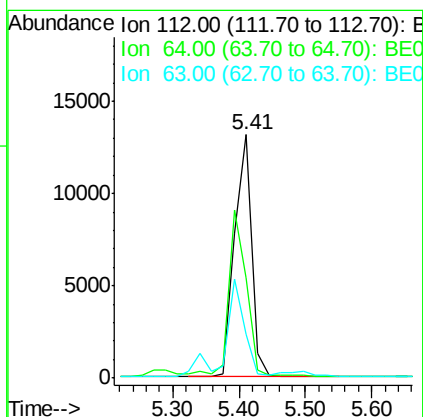
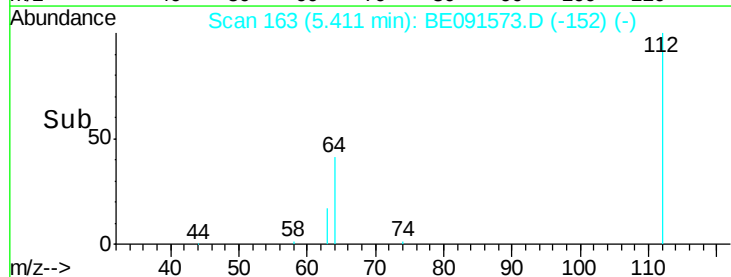


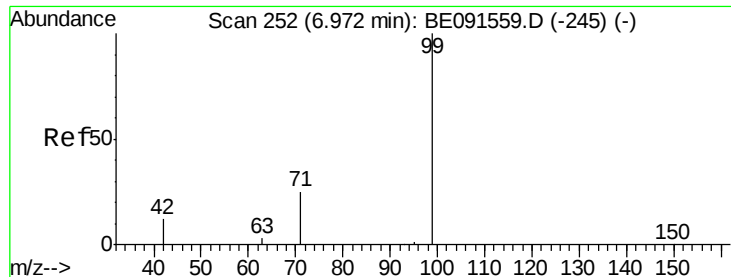
#4

2-Fluorophenol
Concen: 2.38 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.01 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56



Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	53.3	79.9
63	43.6	29.8	44.8





#5

Phenol-d6

Concen: 1.69 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Instrument :

BNA_E

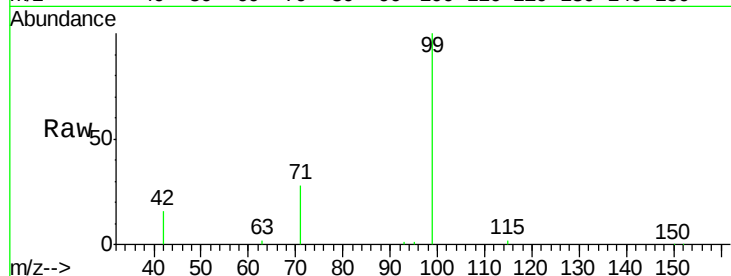
ClientSampleId :

MW-2

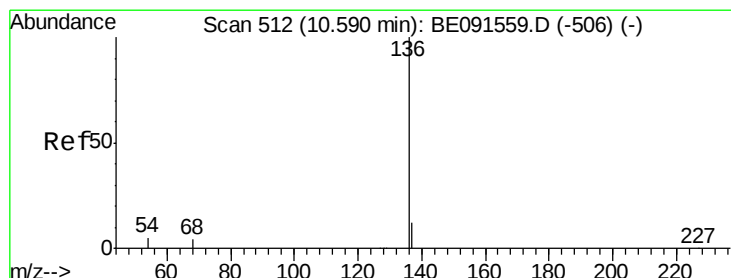
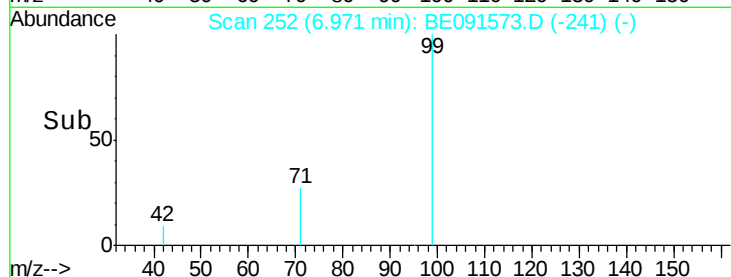
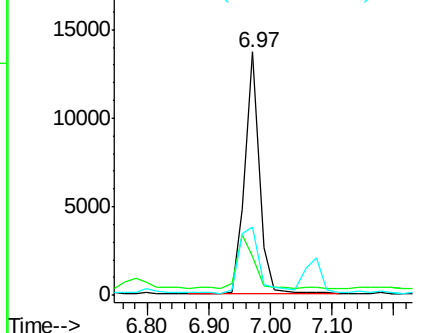
Tgt Ion:	99	Resp:	22728
Ion Ratio	Lower	Upper	
99	100		
42	25.8	20.6	30.8
71	37.4	29.0	43.4

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

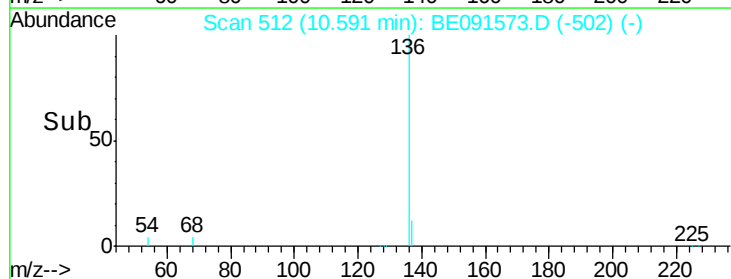
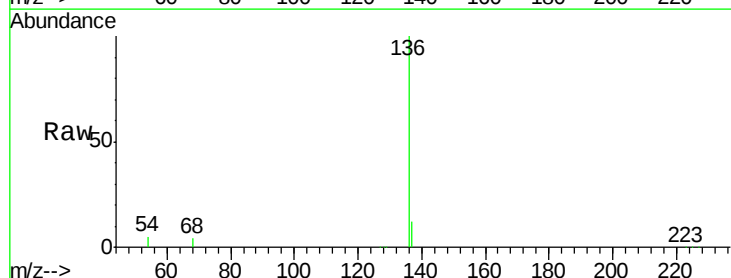
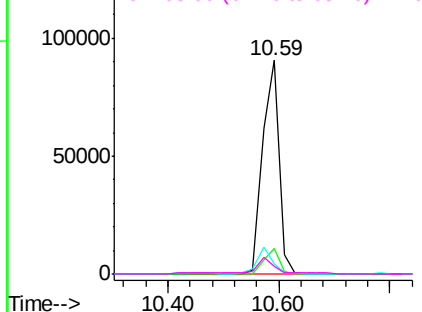
Delta R.T. -0.00 min

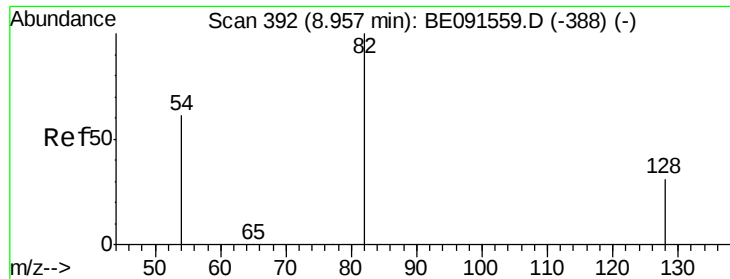
Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Tgt Ion:	136	Resp:	187646
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.8	13.2
54	4.6	5.2	7.8#
68	3.9	4.1	6.1#

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): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.23 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Instrument :

BNA_E

ClientSampled :

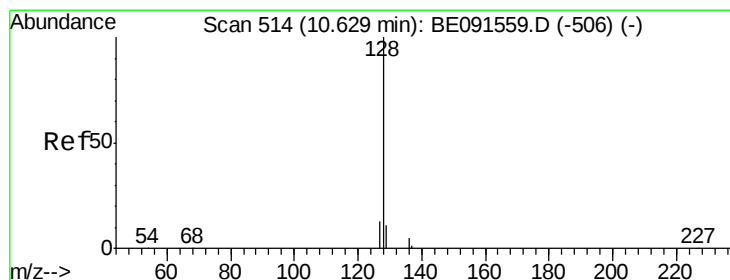
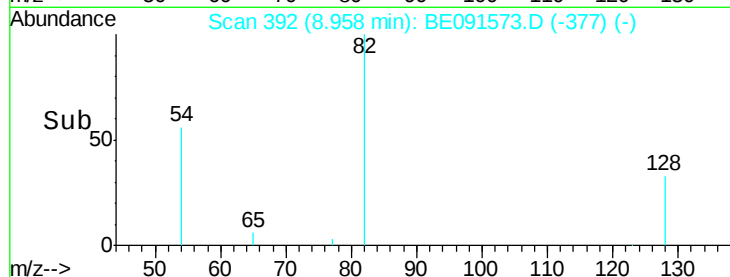
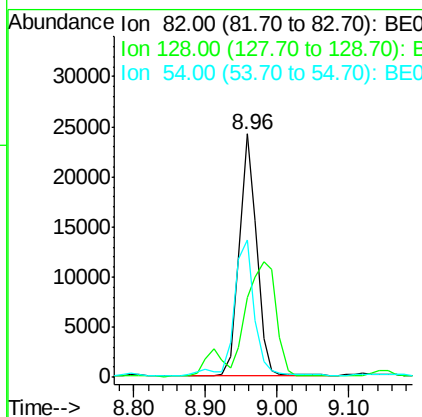
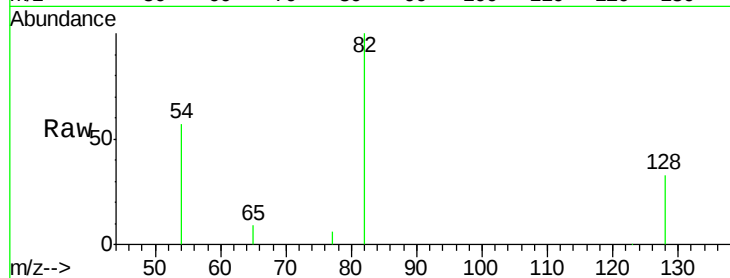
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Tgt Ion	82	Resp	40719
Ion Ratio	Lower	Upper	
82	100		
128	32.8	23.5	35.3
54	56.6	52.4	78.6



#8

Naphthalene

Concen: 0.71 ng m

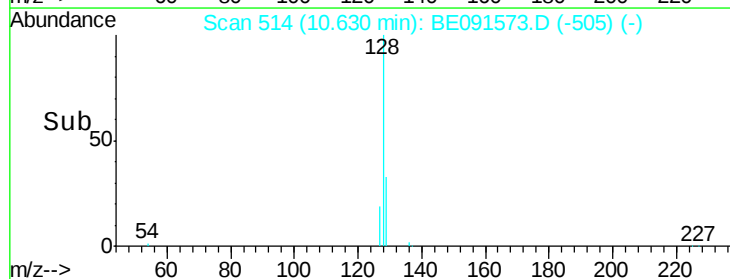
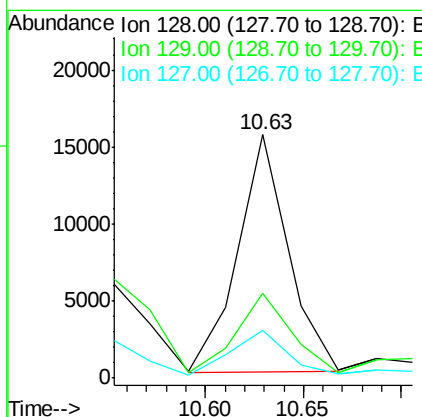
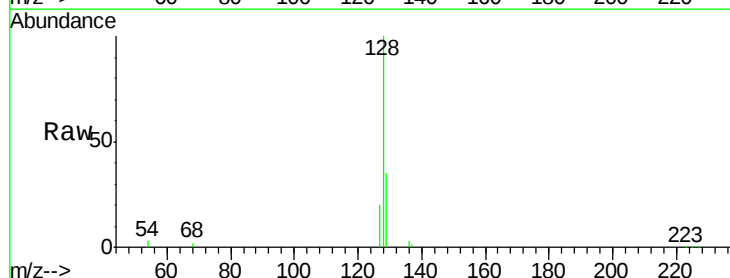
RT: 10.63 min Scan# 514

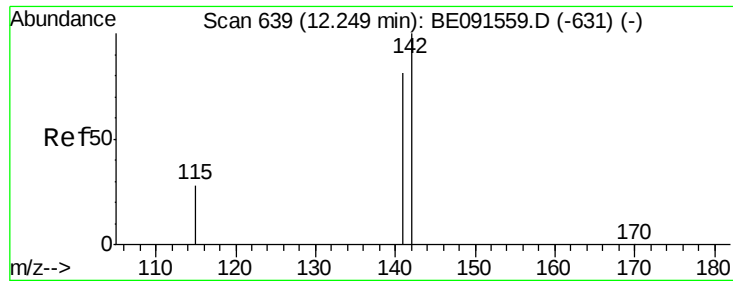
Delta R.T. -0.02 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Tgt Ion	128	Resp	27632
Ion Ratio	Lower	Upper	
128	100		
129	35.0	8.2	12.2#
127	19.9	11.8	17.8#





#9

2-Methylnaphthalene

Concen: 0.35 ng

RT: 12.24 min Scan# 638

Delta R.T. -0.02 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Instrument :

BNA_E

ClientSampleId :

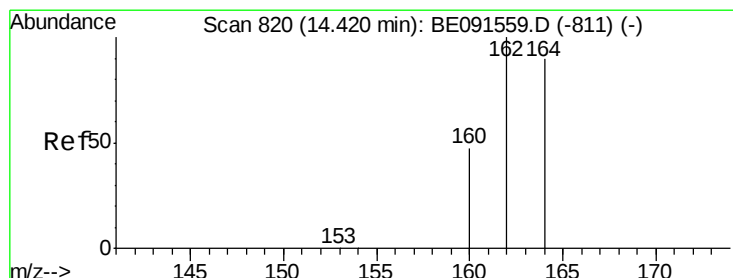
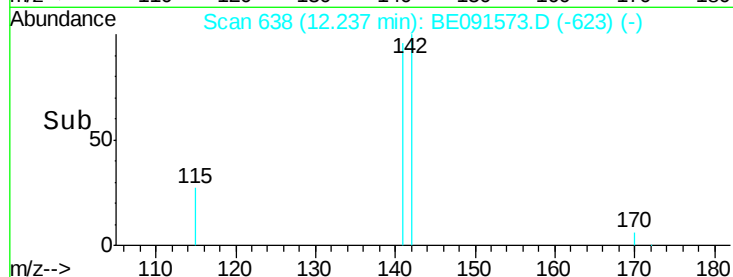
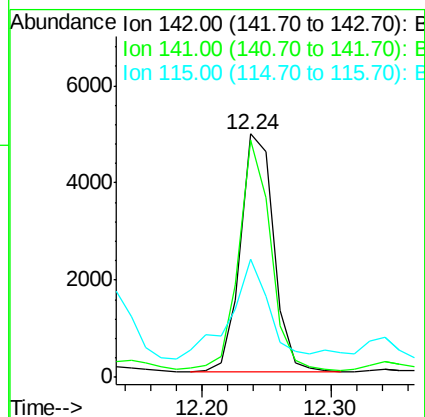
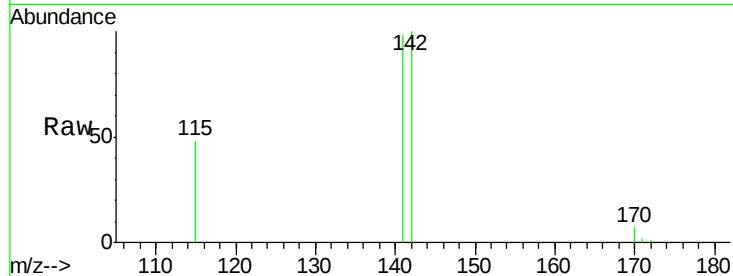
MW-2

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Tgt Ion:	142	Resp:	8776
Ion Ratio	Lower	Upper	
142	100		
141	97.6	66.9	100.3
115	48.5	25.1	37.7#



#10

Acenaphthene-d10

Concen: 5.00 ng

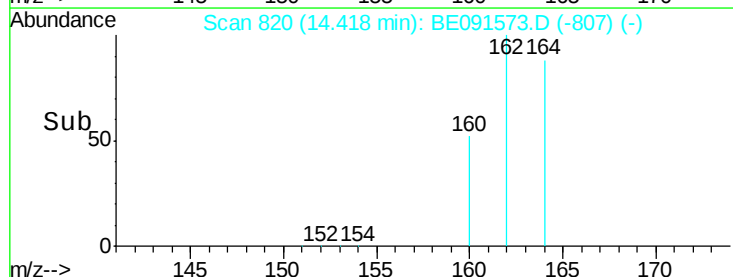
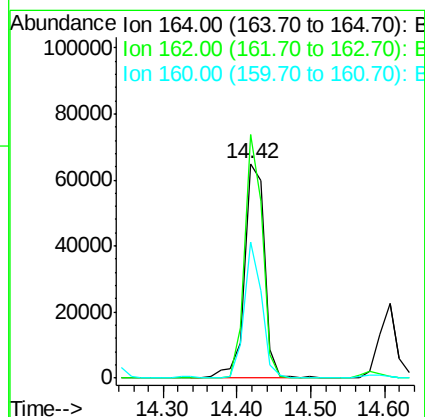
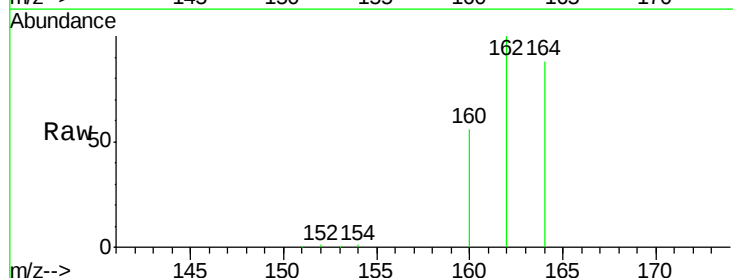
RT: 14.42 min Scan# 820

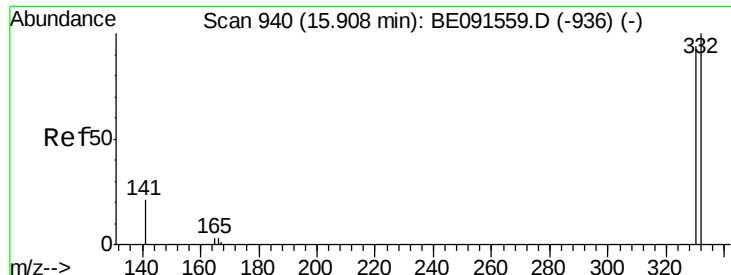
Delta R.T. -0.03 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Tgt Ion:	164	Resp:	120585
Ion Ratio	Lower	Upper	
164	100		
162	113.6	84.4	126.6
160	63.5	37.7	56.5#





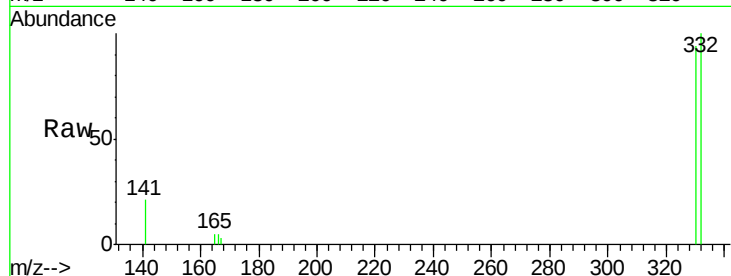
#11
 2,4,6-Tribromophenol
 Concen: 6.26 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091573.D
 Acq: 31 Mar 2016 2:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

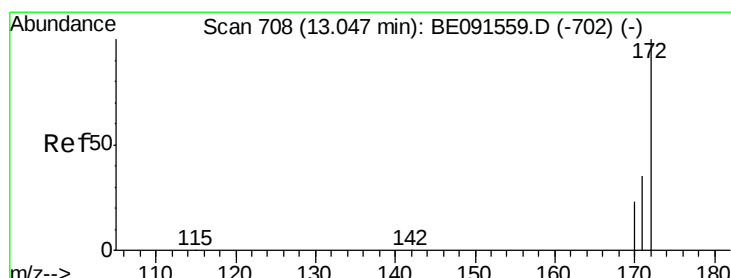
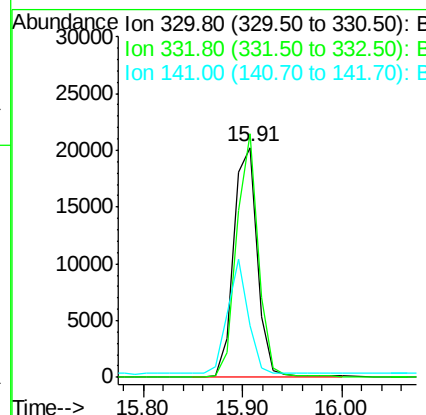
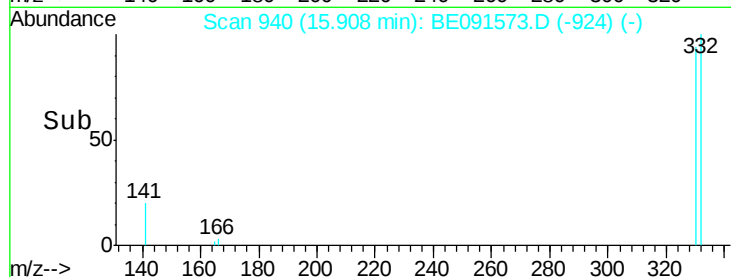
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	79.2	118.8	
141	43.4	28.1	42.1	

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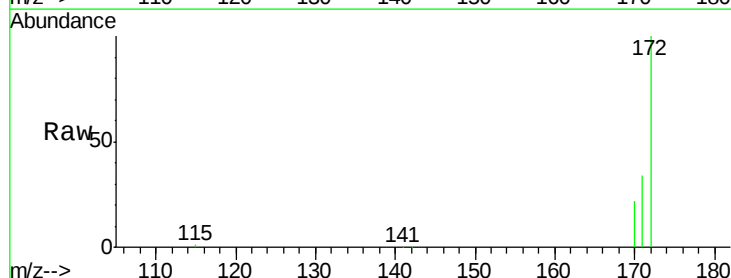


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

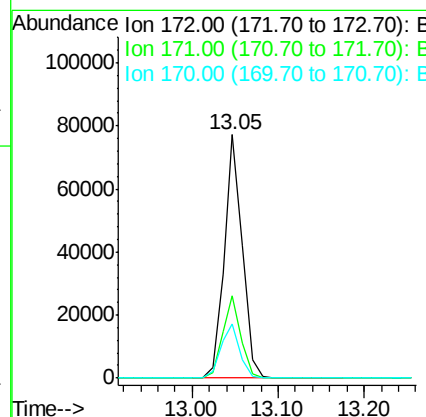
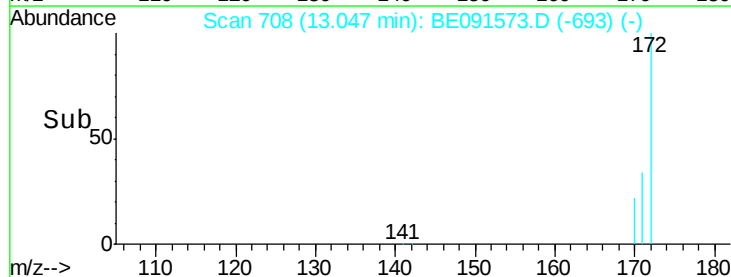


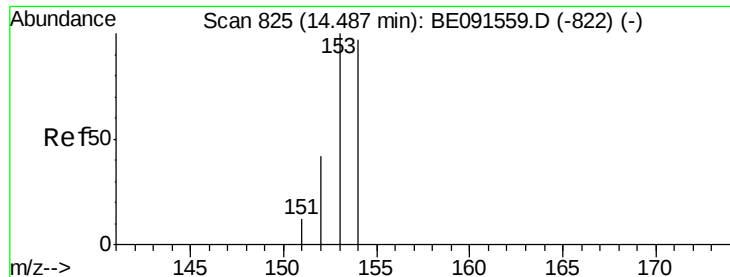
#12
 2-Fluorobiphenyl
 Concen: 3.30 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: BE091573.D
 Acq: 31 Mar 2016 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.8	29.8	44.8	
170	22.0	21.4	32.2	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#14

Acenaphthene

Concen: 0.64 ng

RT: 14.49 min Scan# 825

Delta R.T. -0.01 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Instrument :

BNA_E

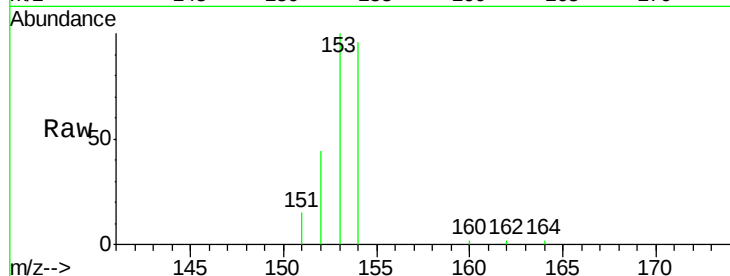
ClientSampleId :

MW-2

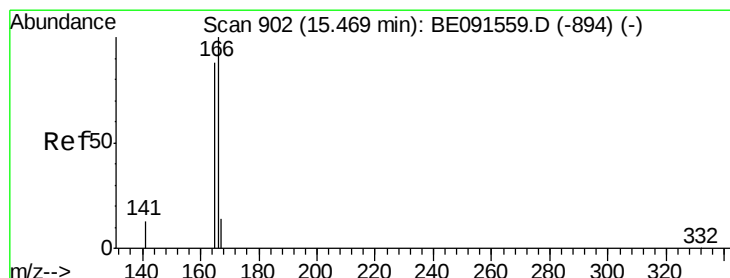
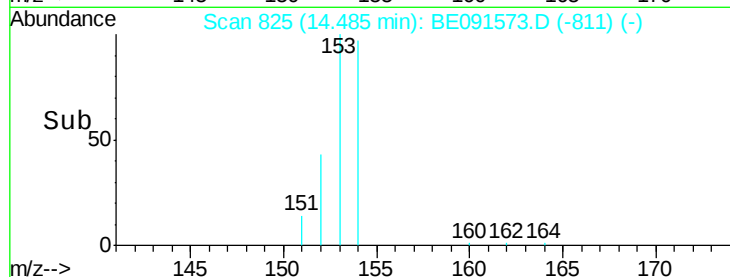
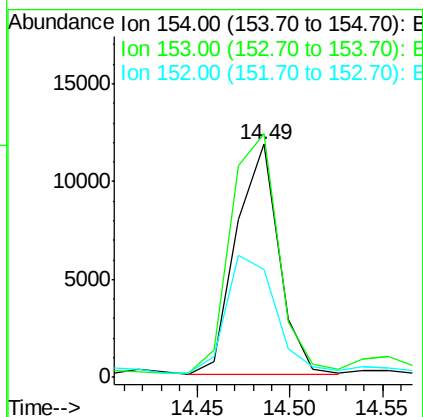
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Tgt Ion:	154	Resp:	19004
Ion Ratio	Lower	Upper	
154	100		
153	116.1	87.3	130.9
152	59.3	42.9	64.3



#15

Fluorene

Concen: 0.17 ng

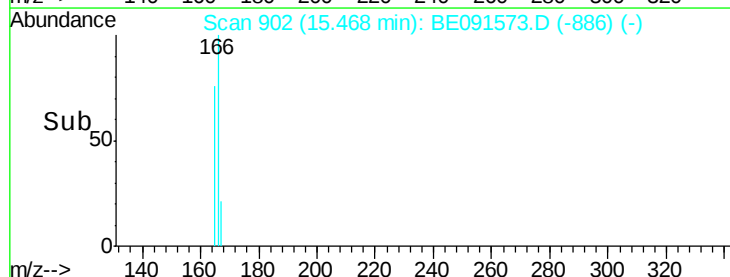
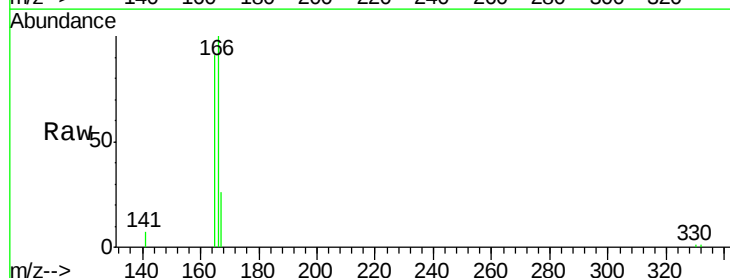
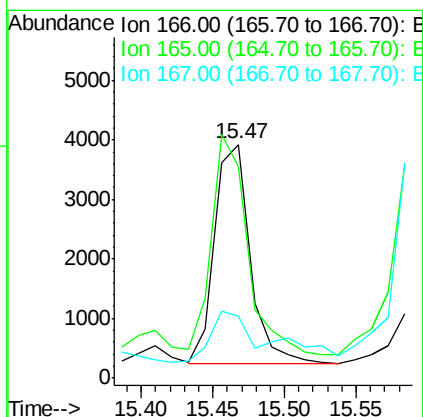
RT: 15.47 min Scan# 902

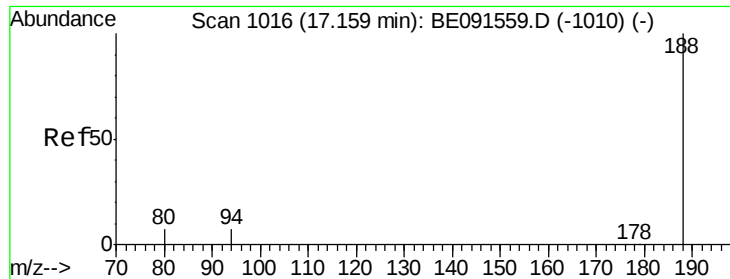
Delta R.T. -0.01 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Tgt Ion:	166	Resp:	6410
Ion Ratio	Lower	Upper	
166	100		
165	100.5	79.2	118.8
167	26.8	10.8	16.2#





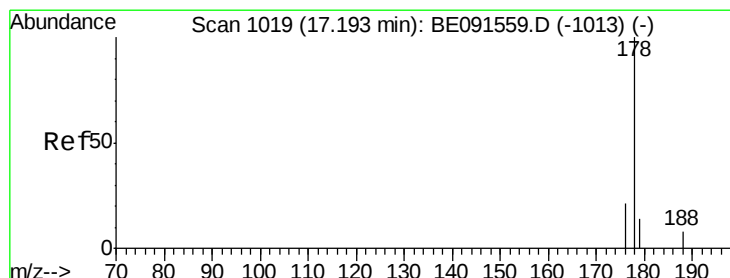
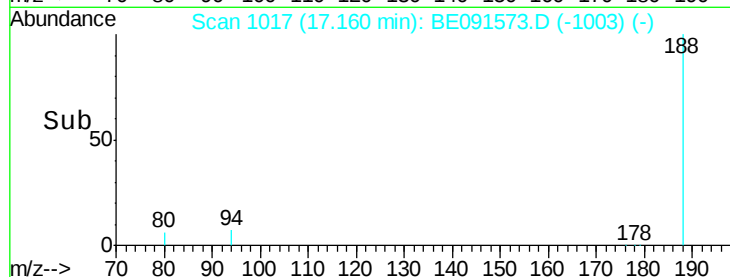
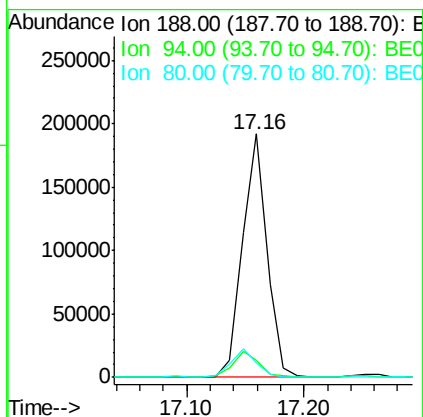
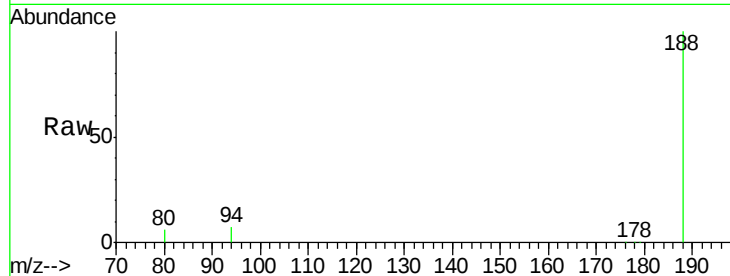
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56

Instrument :
BNA_E
ClientSampled :
MW-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	5.4	8.2
80	6.0	5.0	7.4

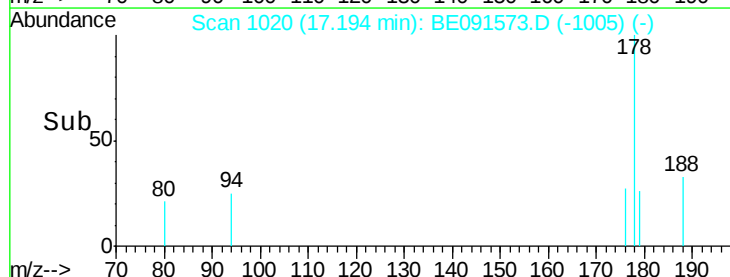
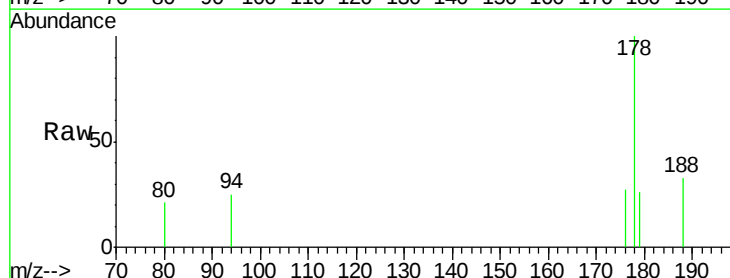
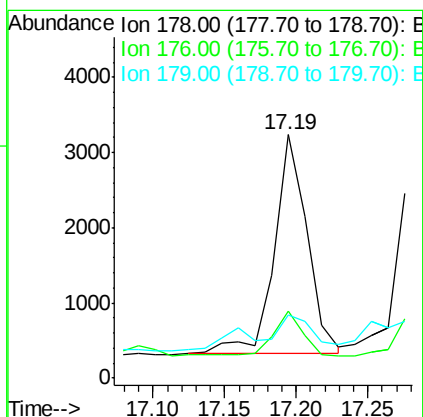
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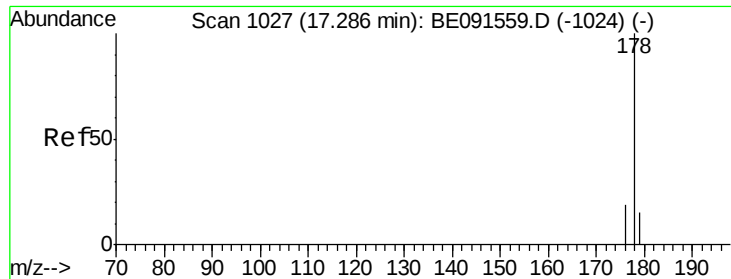
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#19
Phenanthrene
Concen: 0.07 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.0	15.5	23.3
179	13.1	13.1	19.7





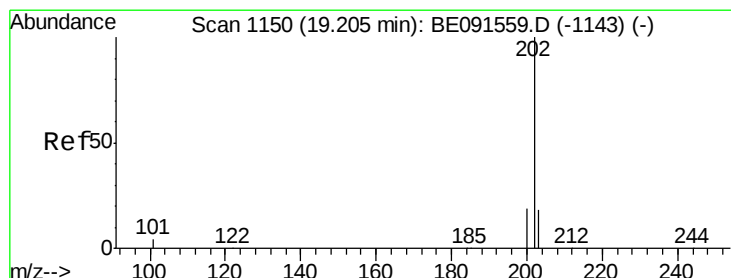
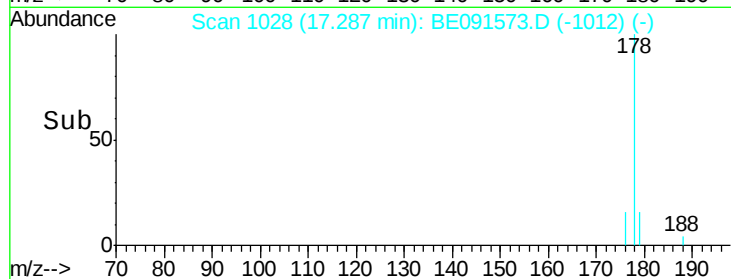
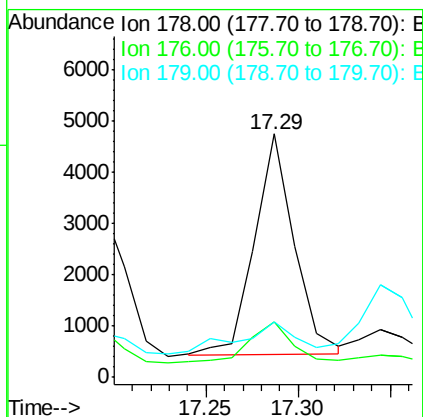
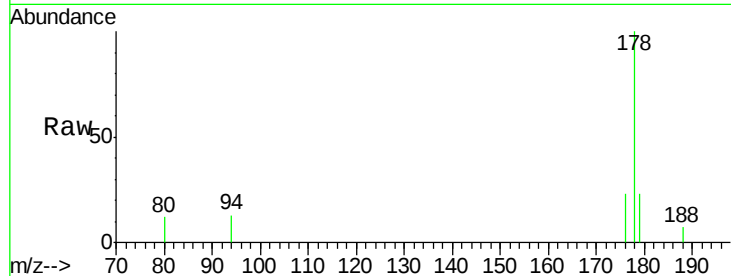
#20
 Anthracene
 Concen: 0.11 ng
 RT: 17.29 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BE091573.D
 Acq: 31 Mar 2016 2:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion:178 Resp: 6487
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.9 22.3
 179 21.2 12.2 18.4#

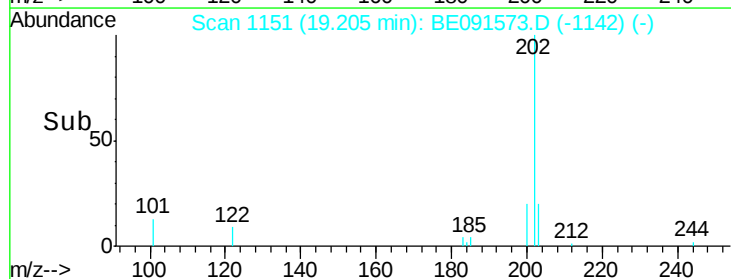
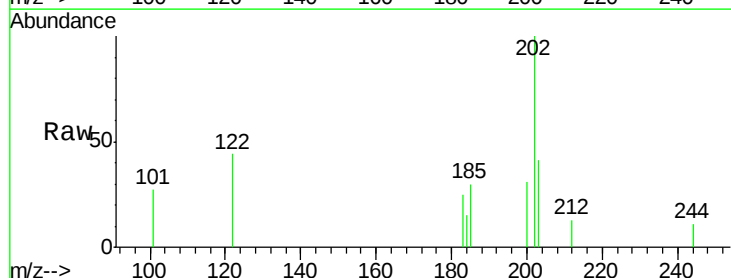
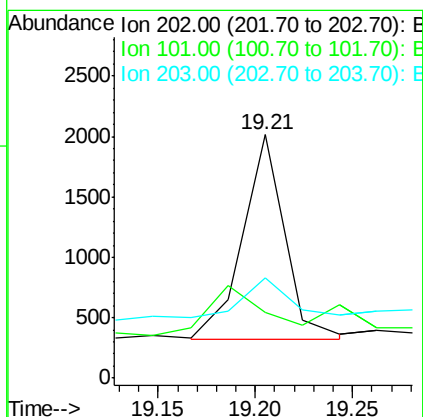
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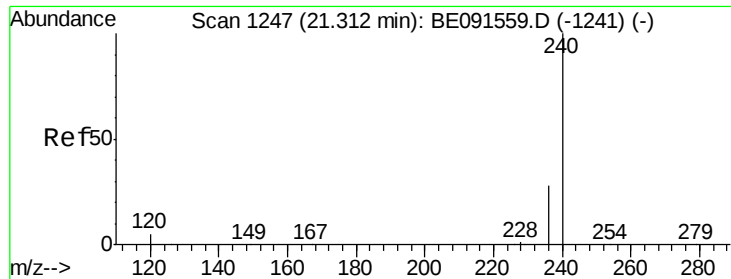
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#21
 Fluoranthene
 Concen: 0.03 ng m
 RT: 19.21 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: BE091573.D
 Acq: 31 Mar 2016 2:56

Tgt Ion:202 Resp: 2561
 Ion Ratio Lower Upper
 202 100
 101 33.2 8.3 12.5#
 203 27.2 13.9 20.9#





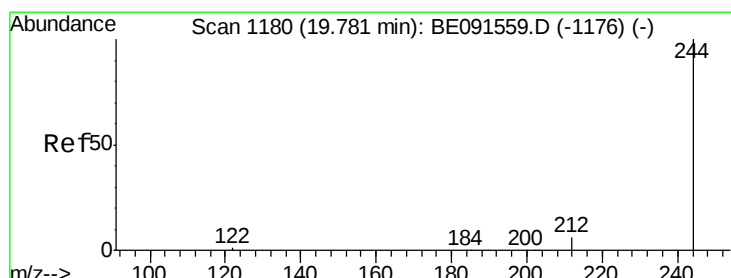
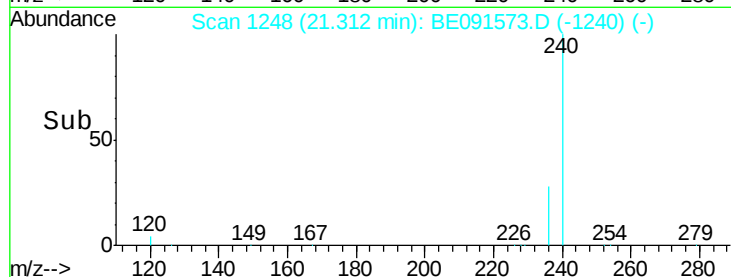
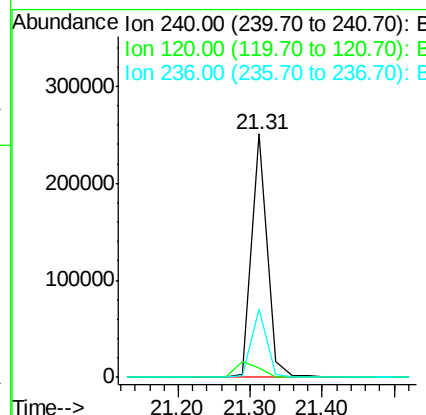
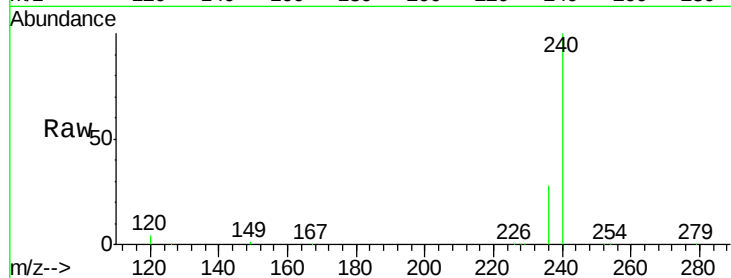
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion:240 Resp: 379166
Ion Ratio Lower Upper
240 100
120 4.0 4.0 6.0#
236 28.2 23.0 34.4

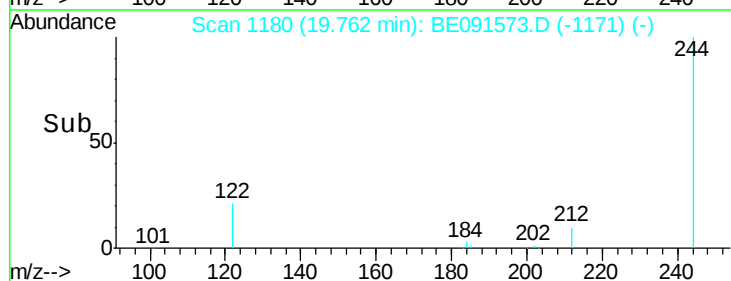
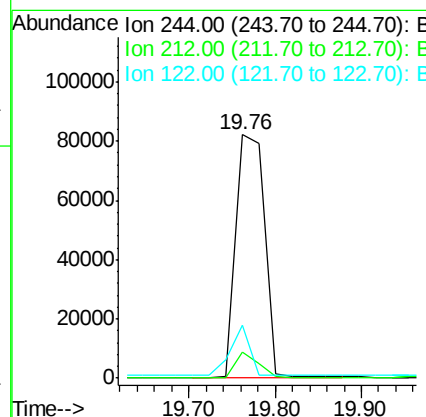
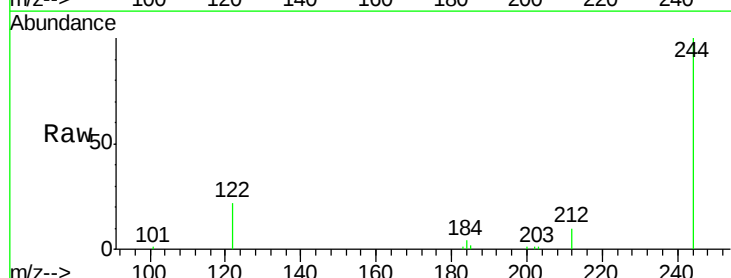
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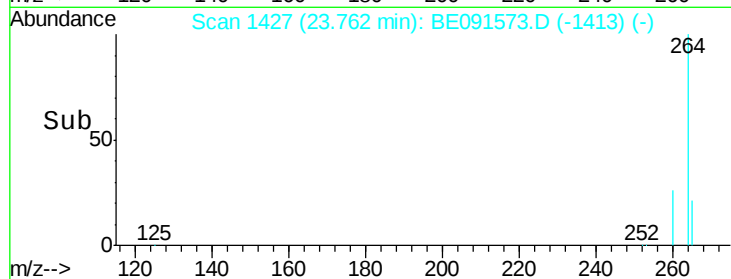
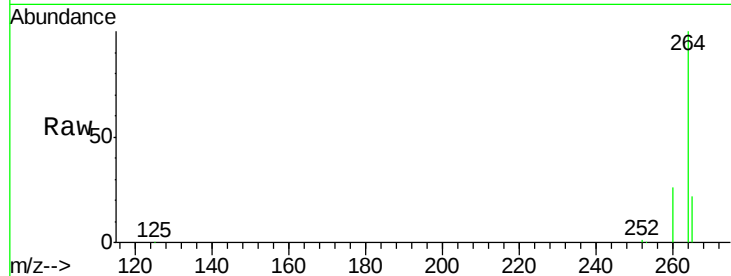
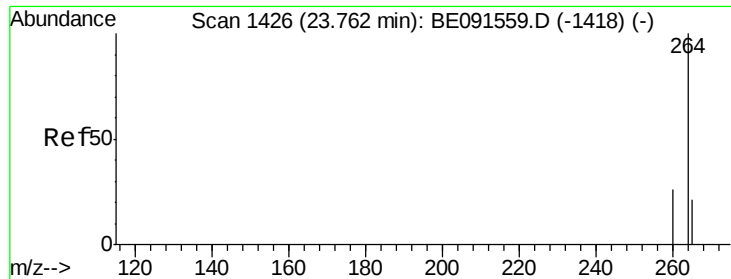
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#24
Terphenyl-d14
Concen: 3.92 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091573.D
Acq: 31 Mar 2016 2:56

Tgt Ion:244 Resp: 188829
Ion Ratio Lower Upper
244 100
212 10.4 5.8 8.8#
122 21.6 1.8 2.8#





#28

Perylene-d12

Concen: 5.00 ng

RT: 23.76 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE091573.D

Acq: 31 Mar 2016 2:56

Instrument :

BNA_E

ClientSampleId :

MW-2

Tgt Ion: 264 Resp: 318772

Ion Ratio Lower Upper

264 100

260 25.8 20.1 30.1

265 21.8 18.3 27.5

Manual Integrations
APPROVED

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