

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
 Data File : BE091738.D
 Acq On : 29 Apr 2016 17:53
 Operator : UM/SJ
 Sample : H2769-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160427

Manual Integrations
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 4/30/2016 11:26:42 AM

Quant Time: May 03 12:00:57 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	32701	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	148290	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	86557	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	221987	5.00	ng	0.00
26) Chrysene-d12	21.31	240	255955	5.00	ng	0.00
35) Perylene-d12	23.74	264	253467	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	14190	1.77	ng	0.00
5) Phenol-d6	6.96	99	11252	1.06	ng	0.00
8) Nitrobenzene-d5	8.95	82	29074	3.04	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	25315	7.86	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	95711	3.91	ng	0.00
29) Terphenyl-d14	19.76	244	207381	5.20	ng	0.00
Target Compounds						Qvalue
22) Pentachlorophenol	16.79	266	179	0.14	ng	93
23) Phenanthrene	17.18	178	1603m	0.03	ng	
24) Anthracene	17.27	178	2813	0.06	ng	98
25) Fluoranthene	19.19	202	2229	0.04	ng	# 79
28) Pyrene	19.55	202	2335	0.04	ng	95
30) Benzo(a)anthracene	21.29	228	2707m	0.04	ng	
32) Chrysene	21.33	228	2300m	0.04	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	8162	0.43	ng	# 87
34) Indeno(1,2,3-cd)pyrene	26.29	276	1462	0.03	ng	97
37) Benzo(k)fluoranthene	23.04	252	1433	0.02	ng	# 52
39) Dibenzo(a,h)anthracene	26.32	278	1063	0.02	ng	# 66
40) Benzo(a,h,i)perylene	27.09	276	1308	0.02	ng	# 77

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

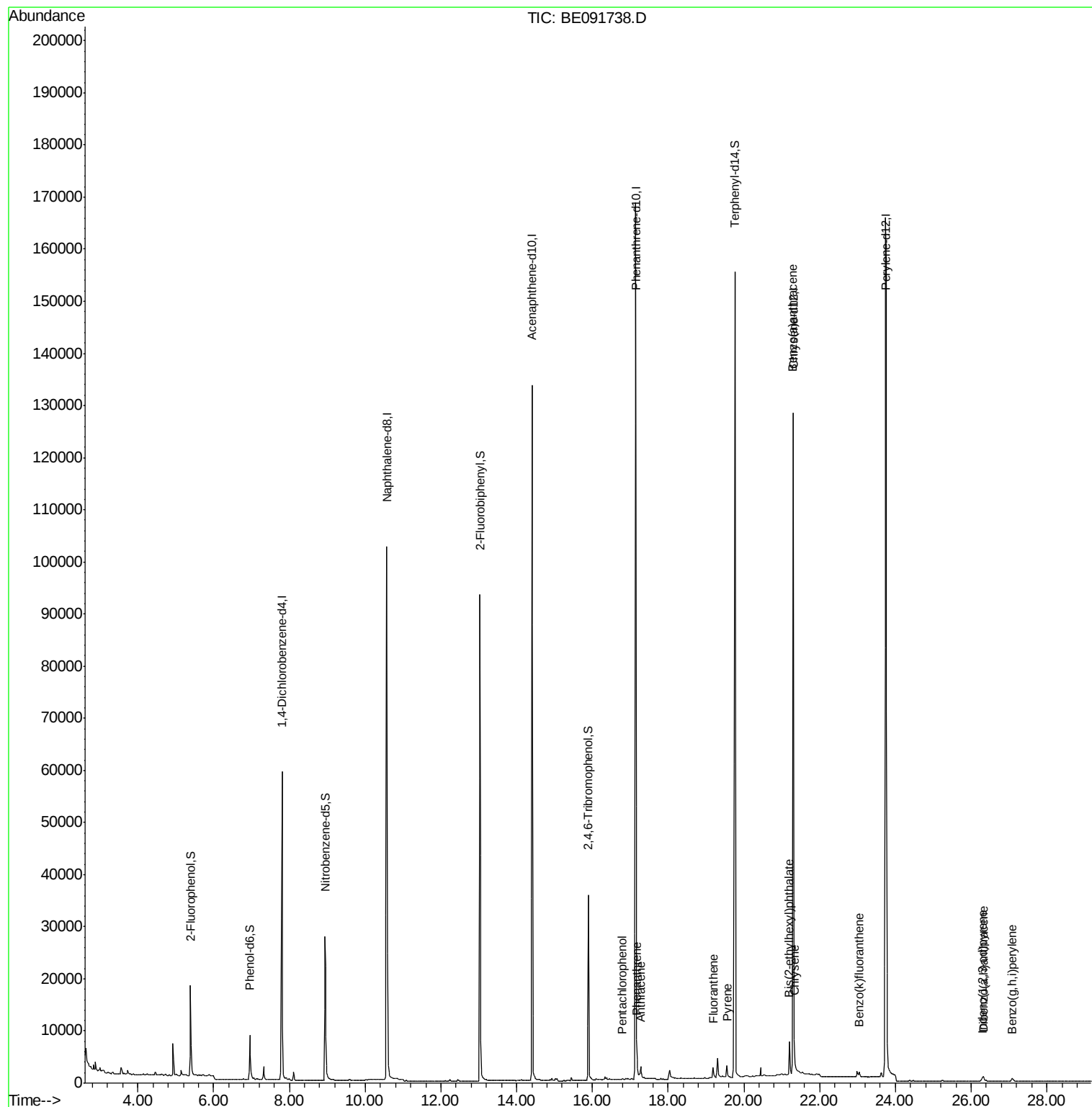
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
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ALS Vial : 9 Sample Multiplier: 1

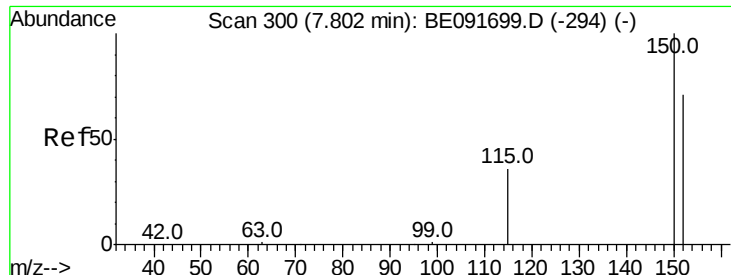
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

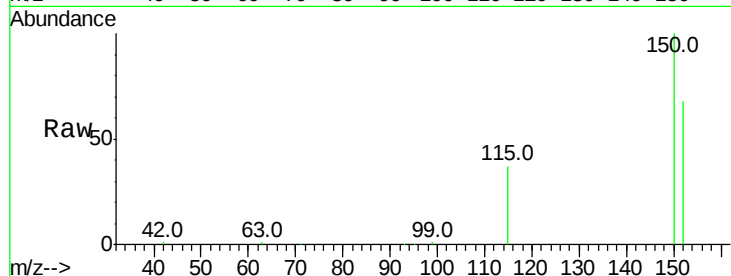
ClientSampleId :

KY038PS027-160427

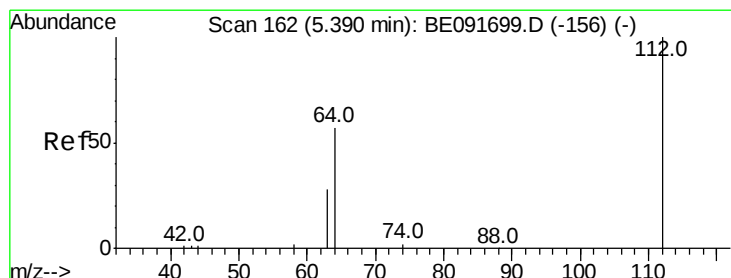
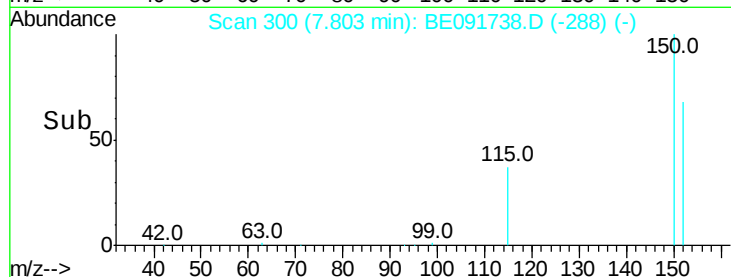
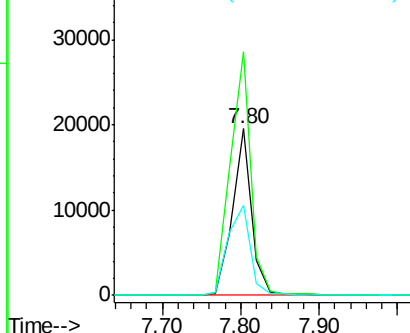
Tot Ion:	152	Resp:	32701
Ion Ratio	Lower	Upper	
152	100		
150	146.2	122.6	183.8
115	53.9	52.8	79.2

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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



#4

2-Fluorophenol

Concen: 1.77 ng

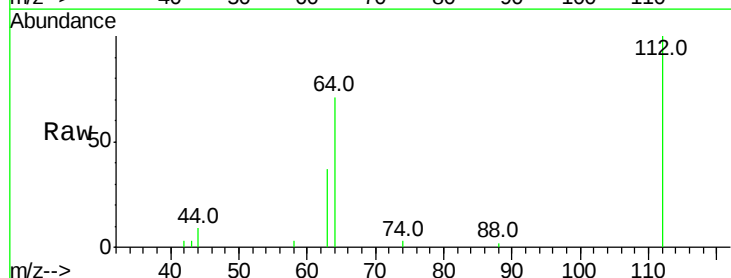
RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

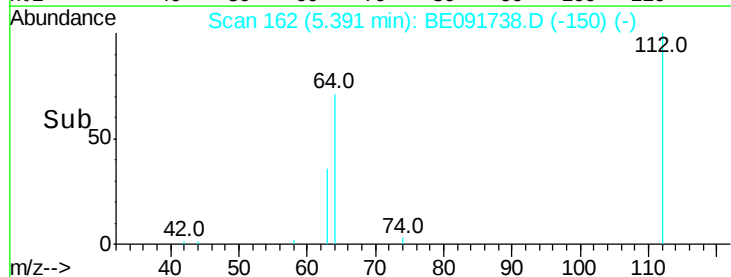
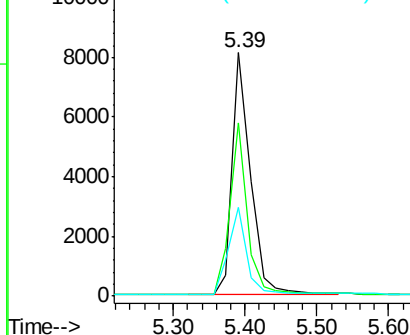
Lab File: BE091738.D

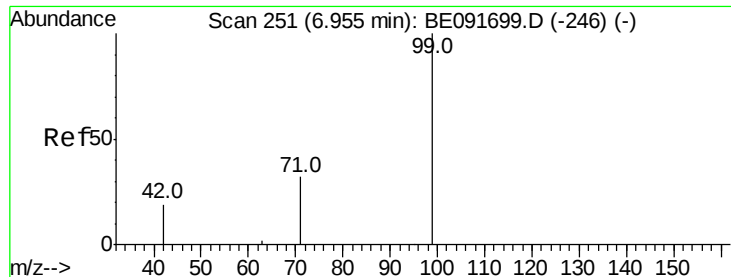
Acq: 29 Apr 2016 17:53

Tgt Ion:	112	Resp:	14190
Ion Ratio	Lower	Upper	
112	100		
64	67.3	30.9	46.3#
63	36.6	16.7	25.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.06 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

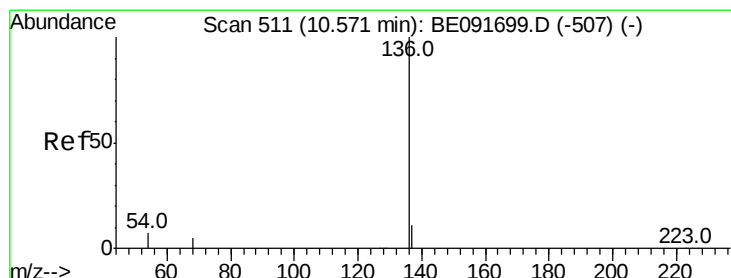
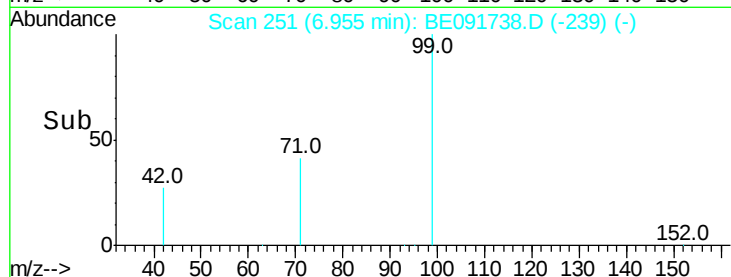
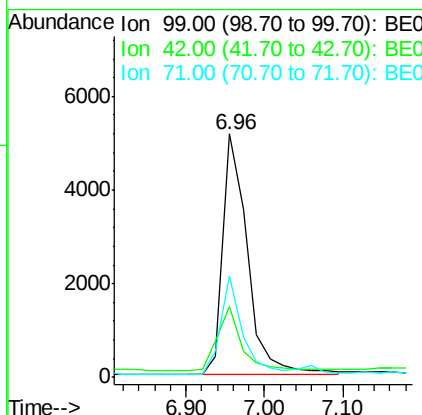
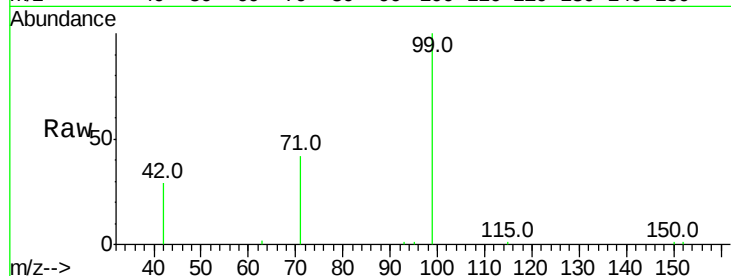
ClientSampleId :

KY038PS027-160427

Tot Ion:	99	Resp:	11252
Ion Ratio	Lower	Upper	
99	100		
42	25.3	16.2	24.2#
71	36.1	29.0	43.4

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#7

Naphthalene-d8

Concen: 5.00 ng

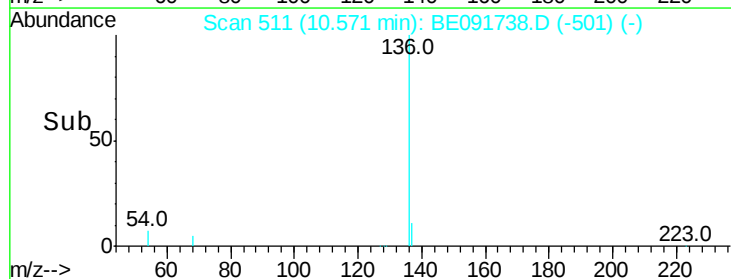
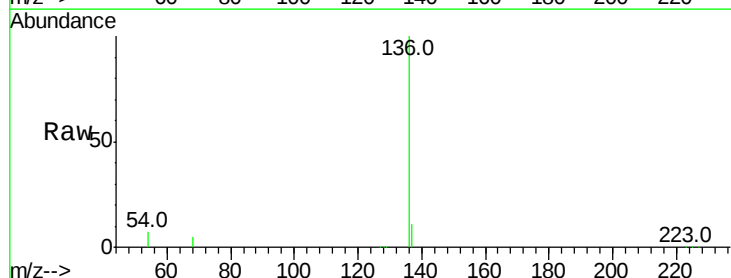
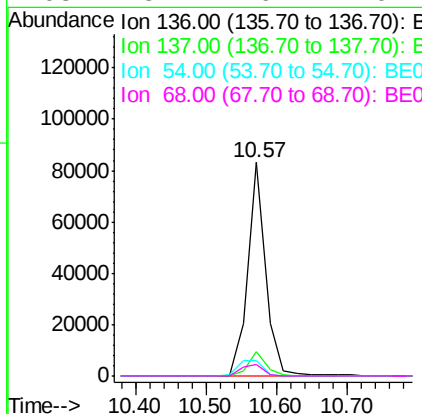
RT: 10.57 min Scan# 511

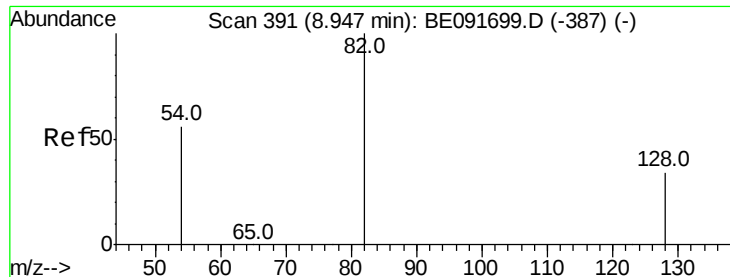
Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:	136	Resp:	148290
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.0	8.2	12.4#
68	5.2	6.2	9.4#





#8

Nitrobenzene-d5

Concen: 3.04 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

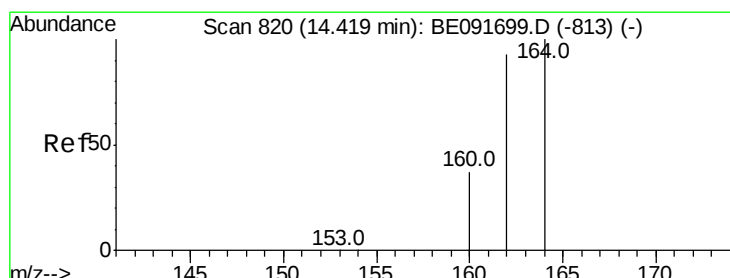
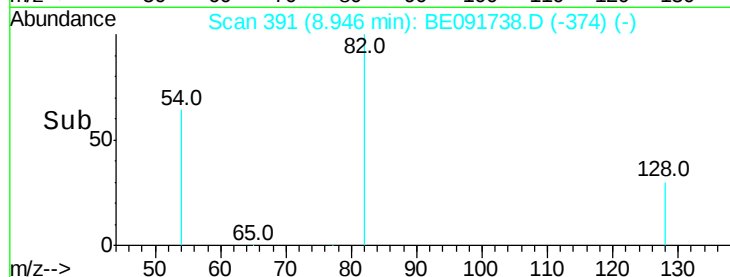
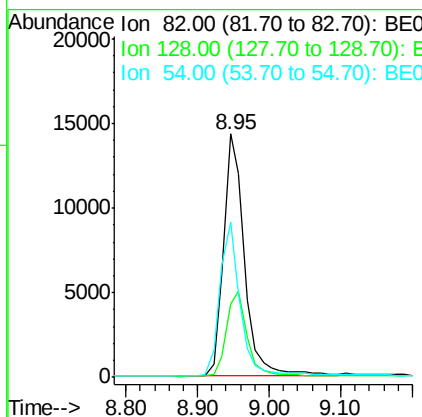
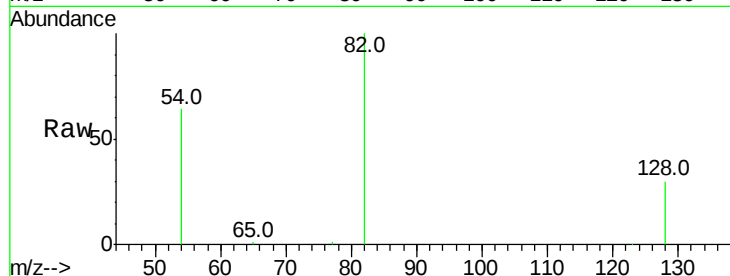
ClientSampleId :

KY038PS027-160427

Tot Ion:	82	Resp:	29074
Ion Ratio	Lower	Upper	
82	100		
128	29.9	25.4	38.0
54	64.0	48.4	72.6

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#13

Acenaphthene-d10

Concen: 5.00 ng

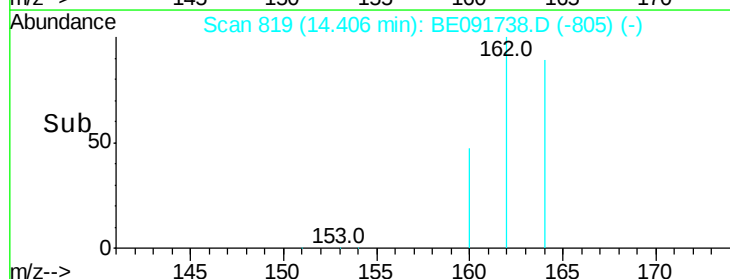
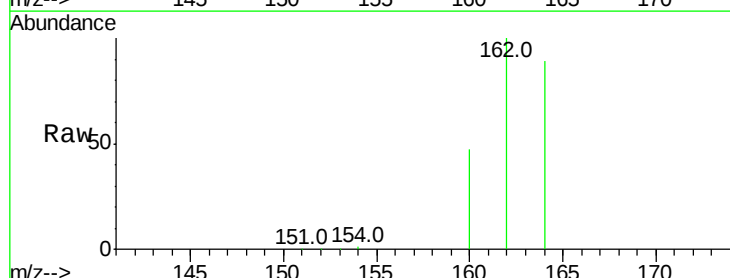
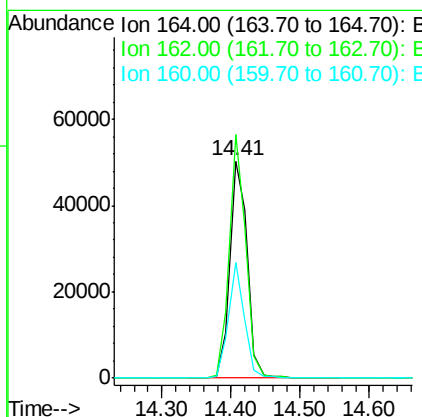
RT: 14.41 min Scan# 819

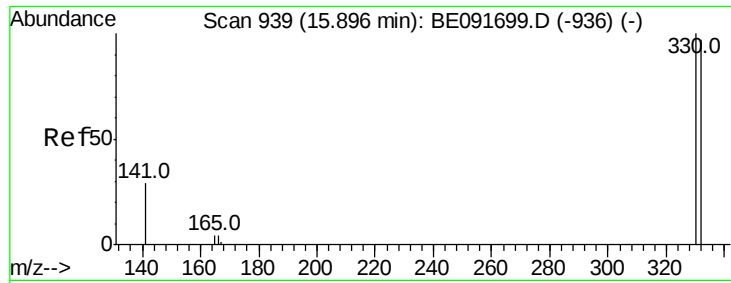
Delta R.T. -0.01 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:	164	Resp:	86557
Ion Ratio	Lower	Upper	
164	100		
162	112.2	85.3	127.9
160	53.0	46.2	69.2





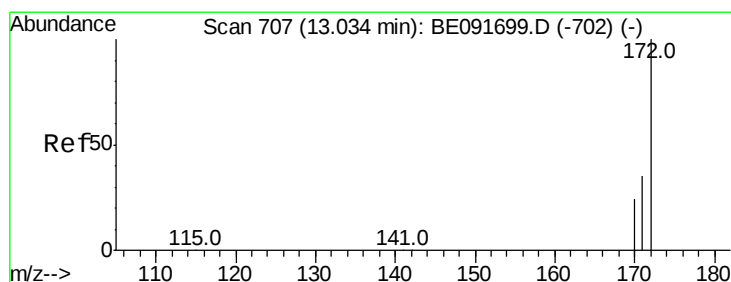
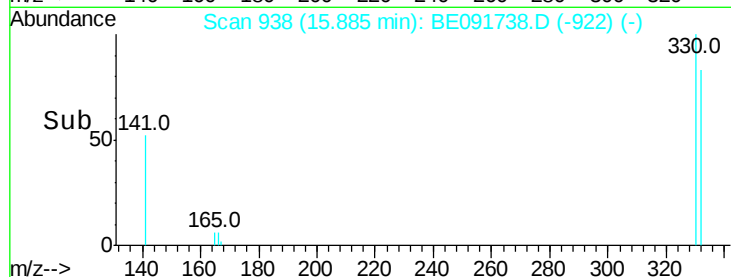
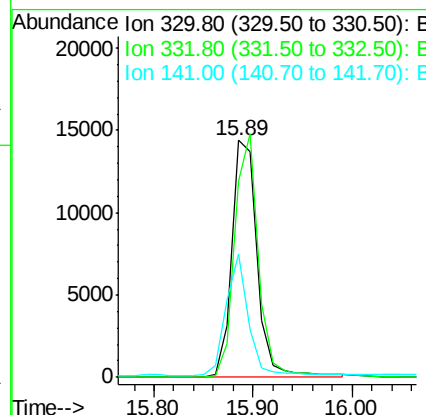
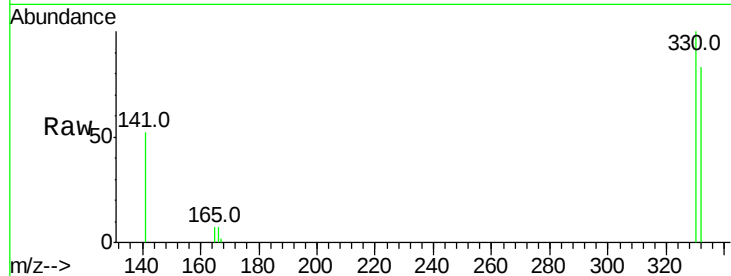
#14
 2,4,6-Tribromophenol
 Concen: 7.86 ng
 RT: 15.89 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160427

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.1	118.7
141	45.4	125.4	188.0

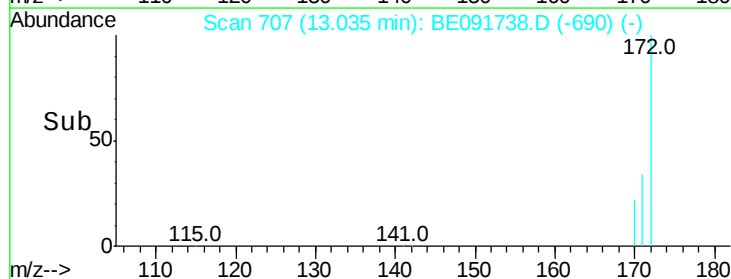
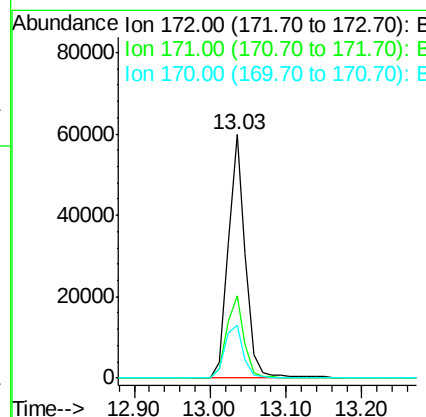
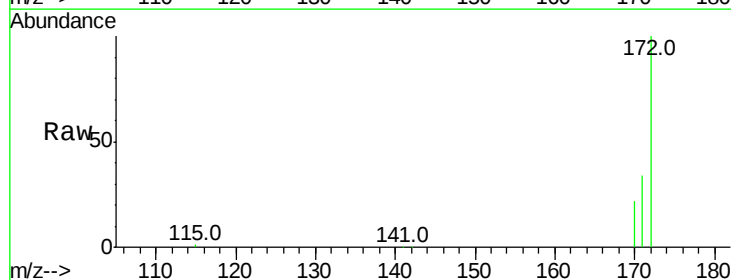
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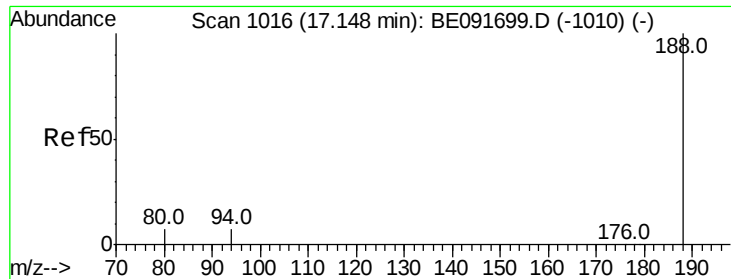
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#15
 2-Fluorobiphenyl
 Concen: 3.91 ng
 RT: 13.03 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.8	43.2
170	21.9	19.3	28.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

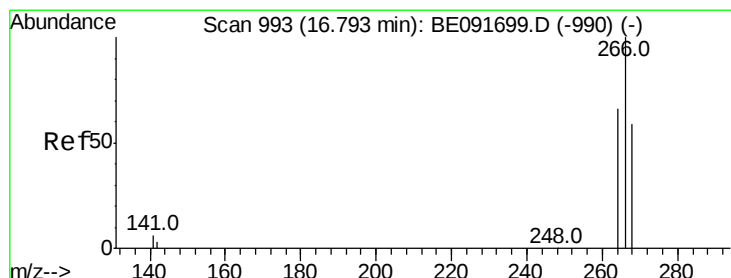
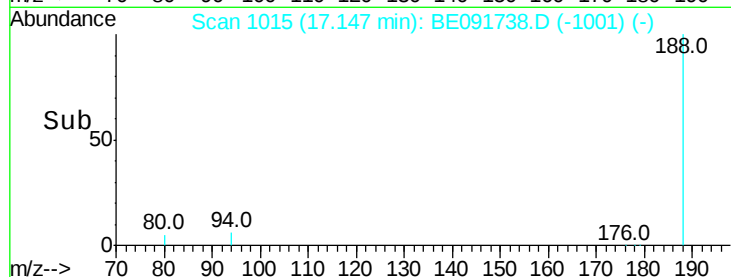
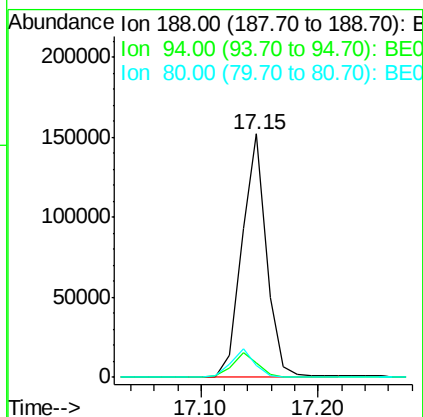
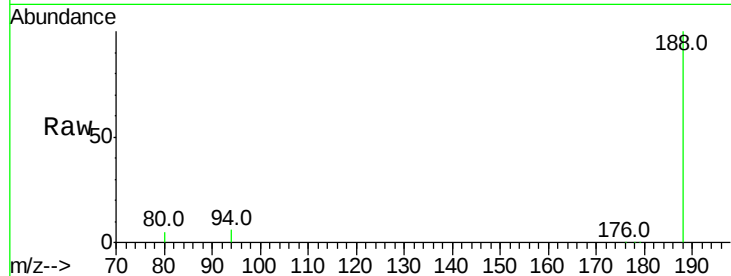
ClientSampleId :

KY038PS027-160427

Tot Ion:	188	Resp:	221987
Ion Ratio	Lower	Upper	
188	100		
94	5.8	8.7	13.1#
80	5.0	9.4	14.0#

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#22

Pentachlorophenol

Concen: 0.14 ng

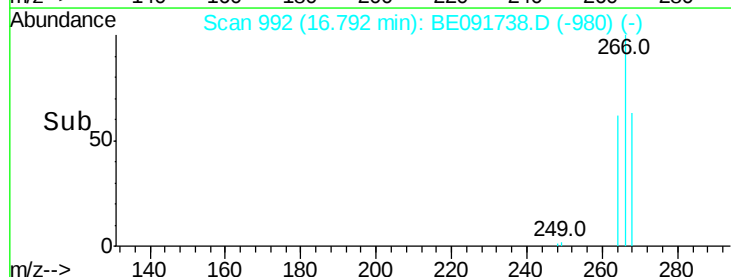
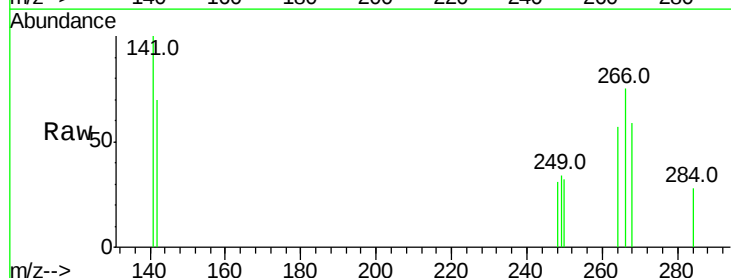
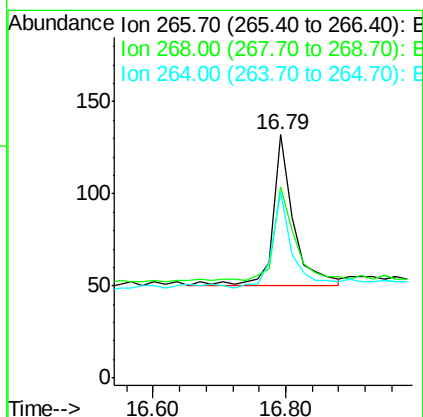
RT: 16.79 min Scan# 992

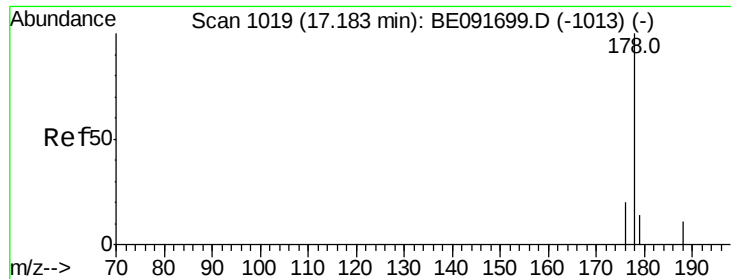
Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:	266	Resp:	179
Ion Ratio	Lower	Upper	
266	100		
268	78.8	58.2	87.2
264	76.5	56.2	84.4





#23

Phenanthrene

Concen: 0.03 ng m

RT: 17.18 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

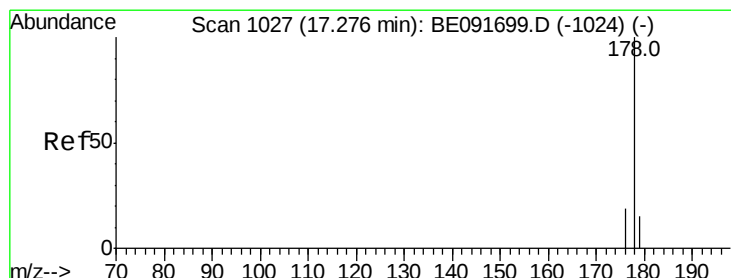
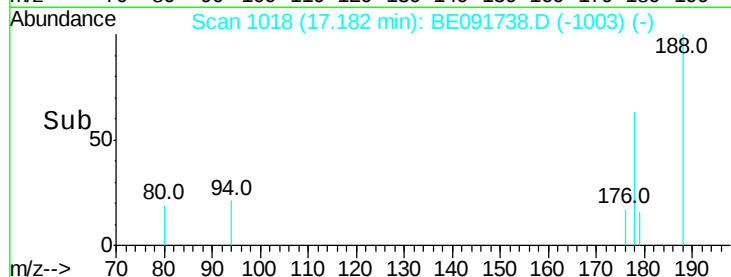
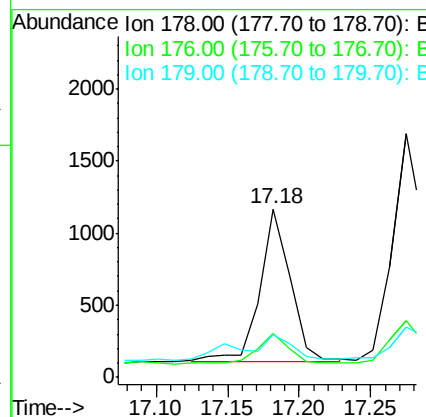
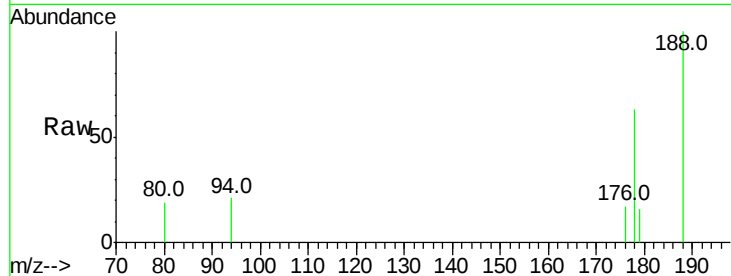
ClientSampleId :

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Tot Ion:178	Resp:	1603
Ion Ratio	Lower	Upper
178	100	
176	30.4	15.3 22.9#
179	21.6	12.6 18.8#

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#24

Anthracene

Concen: 0.06 ng

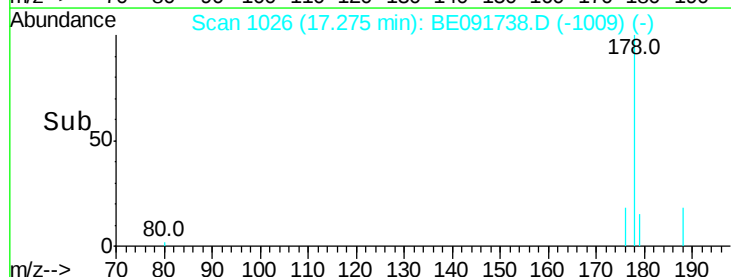
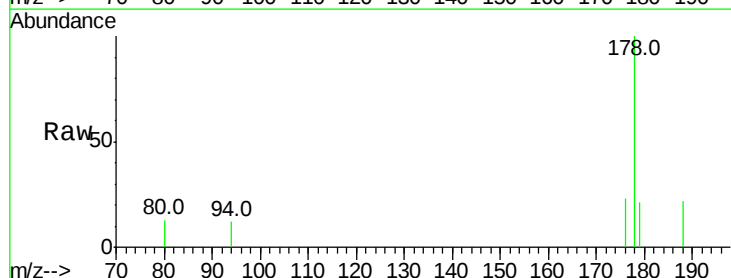
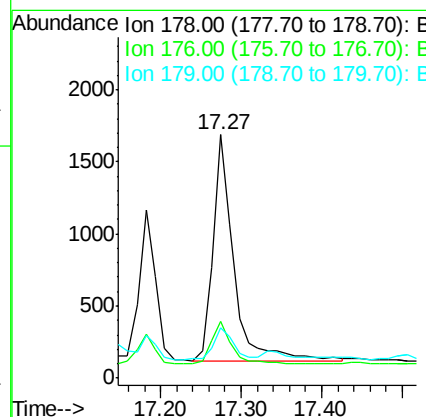
RT: 17.27 min Scan# 1026

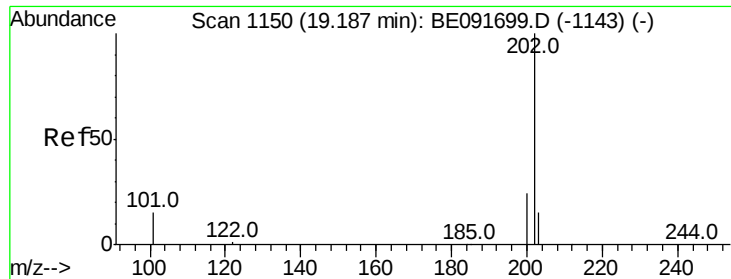
Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:178	Resp:	2813
Ion Ratio	Lower	Upper
178	100	
176	18.5	14.6 21.8
179	13.3	11.8 17.6





#25

Fluoranthene

Concen: 0.04 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

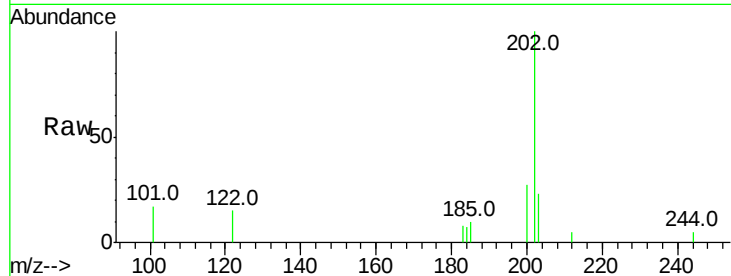
ClientSampleId :

KY038PS027-160427

Tot Ion:	202	Resp:	2229
Ion Ratio	Lower	Upper	
202	100		
101	27.9	11.0	16.6#
203	21.5	13.9	20.9#

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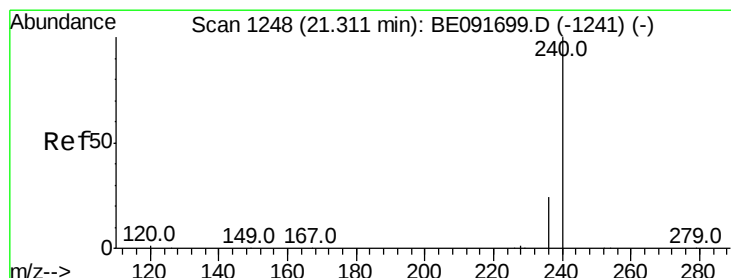
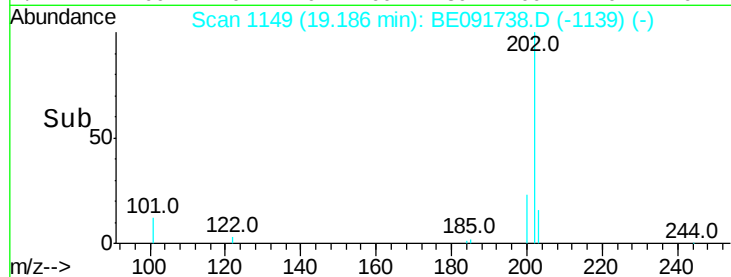
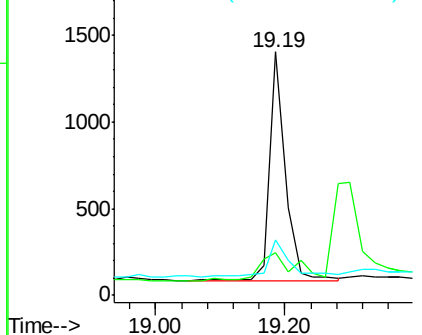
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

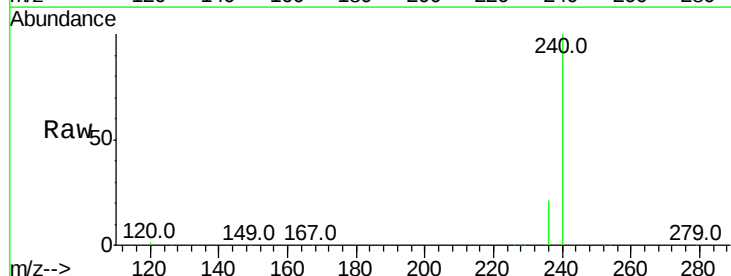
RT: 21.31 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

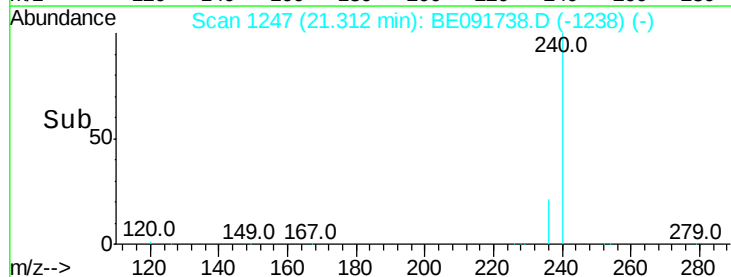
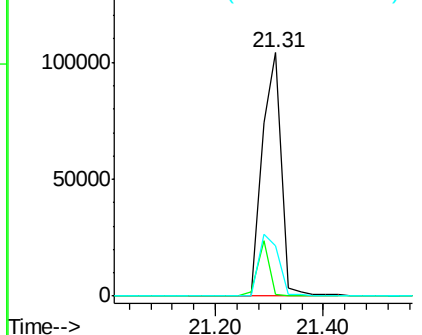
Tgt Ion:	240	Resp:	255955
Ion Ratio	Lower	Upper	
240	100		
120	0.9	11.0	16.4#
236	20.9	21.7	32.5#

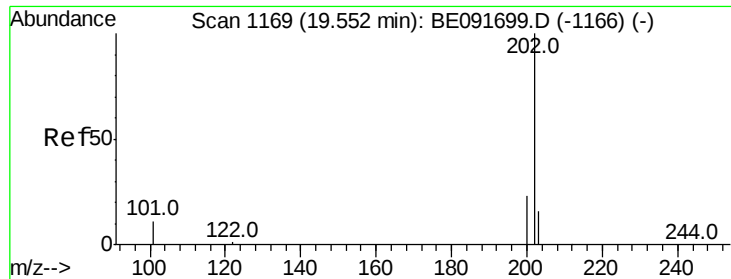


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





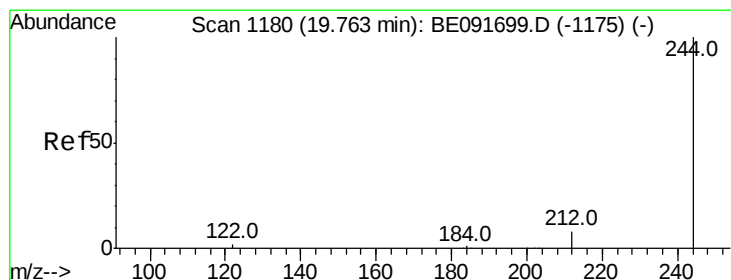
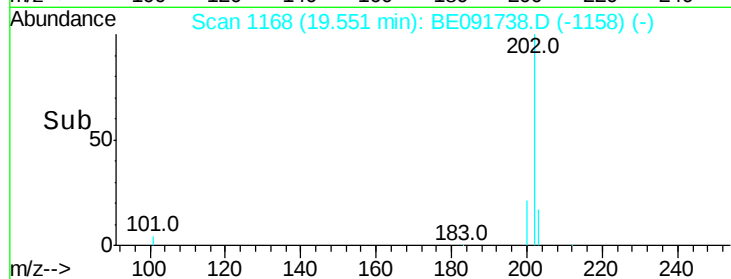
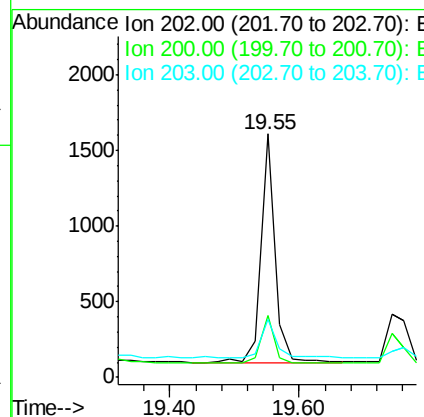
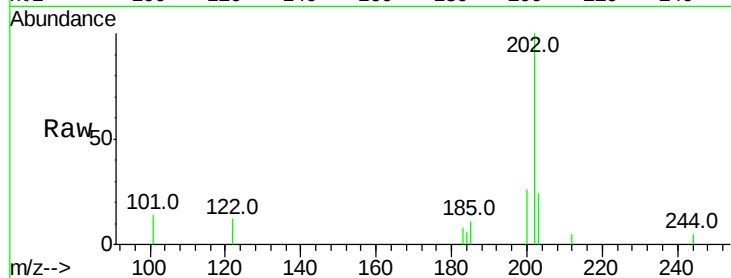
#28
Pvrene
Concen: 0.04 ng
RT: 19.55 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160427

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	16.8	25.2
203	20.9	14.0	21.0

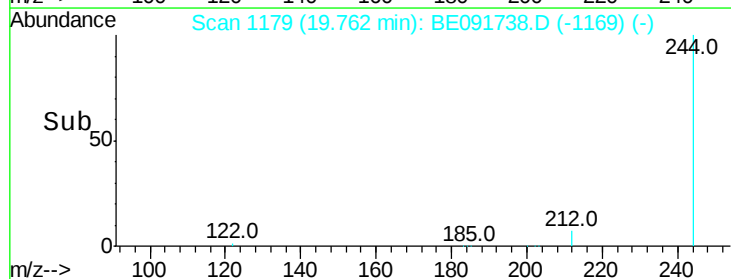
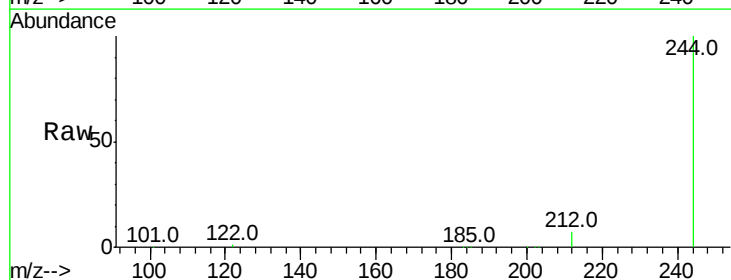
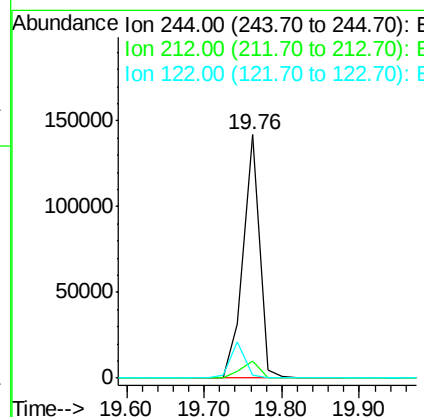
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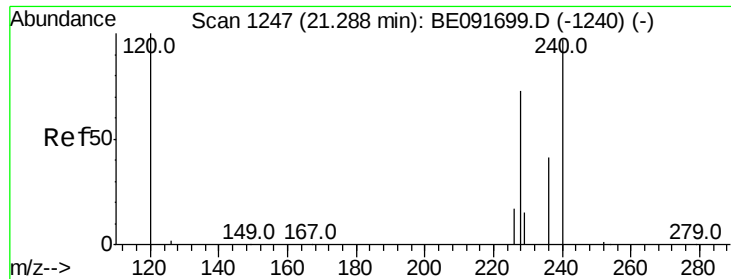
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#29
Terphenyl-d14
Concen: 5.20 ng
RT: 19.76 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	6.9	10.3
122	1.1	11.0	16.4#





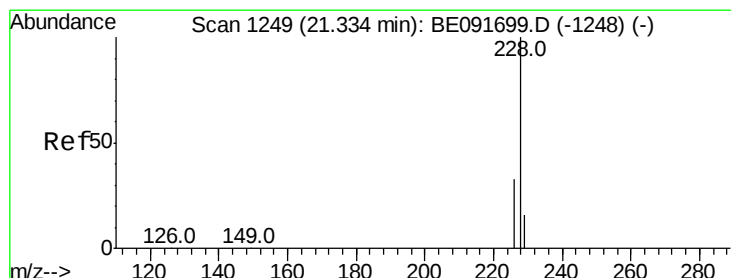
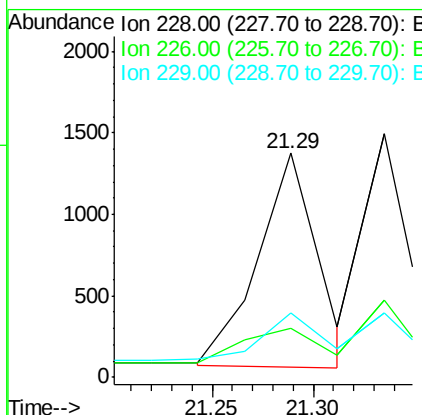
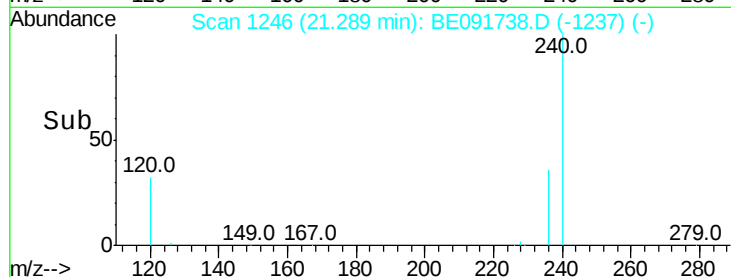
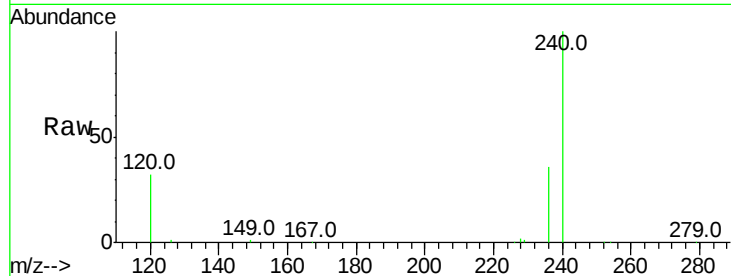
#30
Benzo(a)anthracene
Concen: 0.04 ng m
RT: 21.29 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160427

Tot Ion	Ratio	Lower	Upper
228	100		
226	21.9	21.0	31.4
229	29.0	15.7	23.5

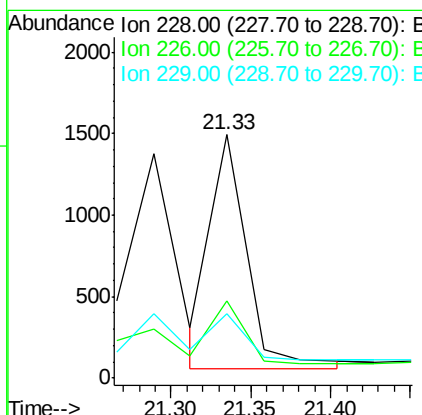
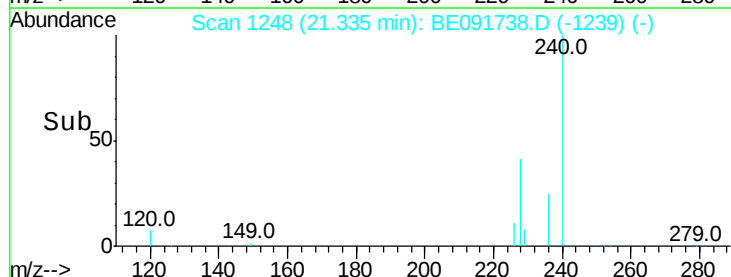
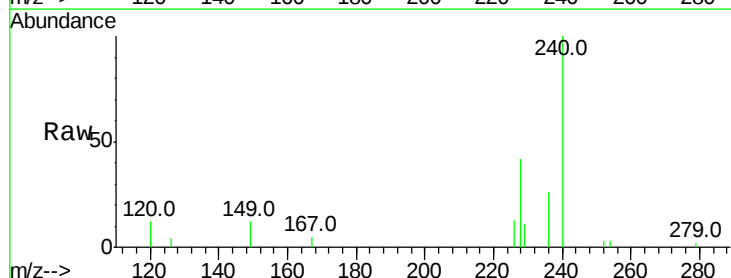
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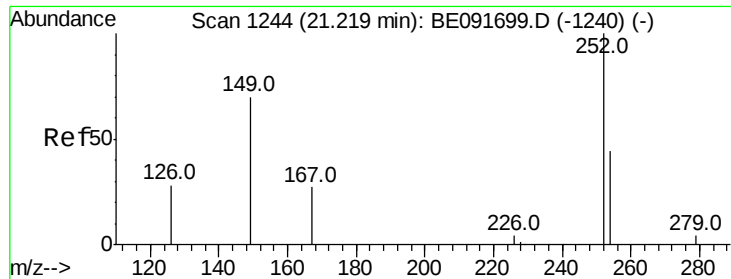
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#32
Chrysene
Concen: 0.04 ng m
RT: 21.33 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.0	36.0
229	26.5	15.9	23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.43 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

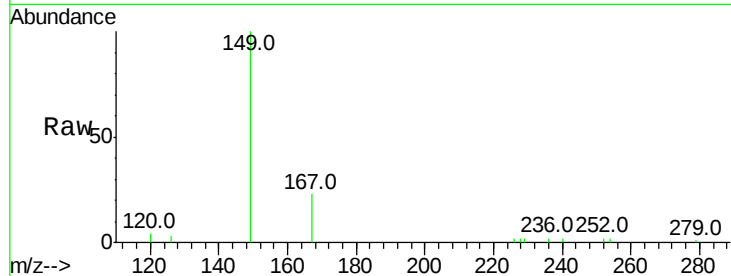
ClientSampleId :

KY038PS027-160427

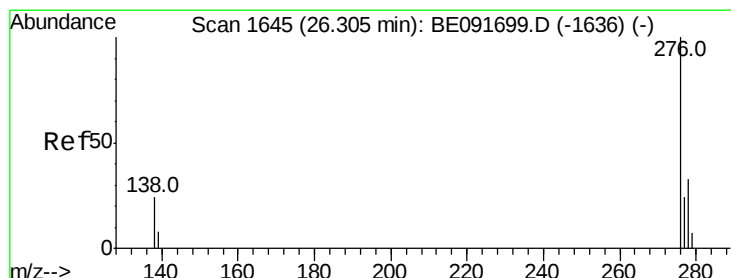
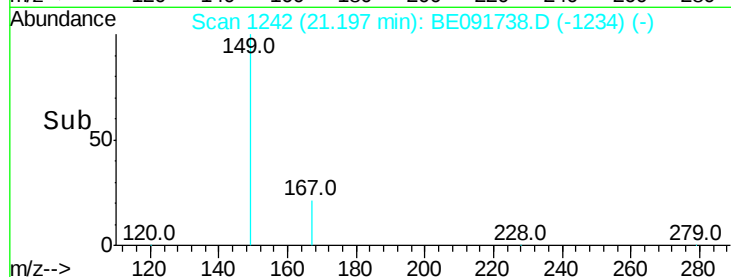
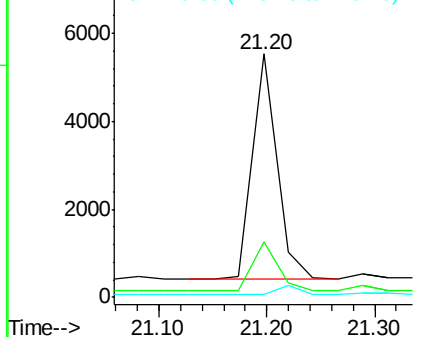
Tot Ion:	149	Resp:	8162
Ion Ratio	Lower	Upper	
149	100		
167	22.4	19.5	29.3
279	0.0	10.0	15.0#

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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



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 26.29 min Scan# 1643

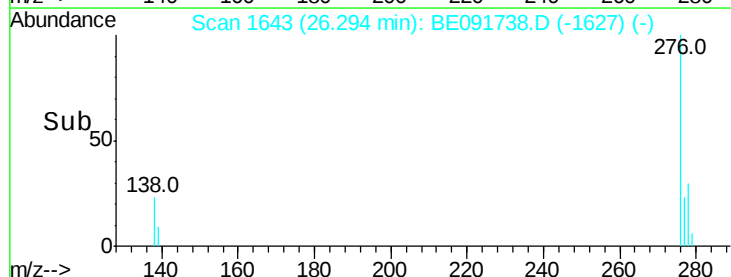
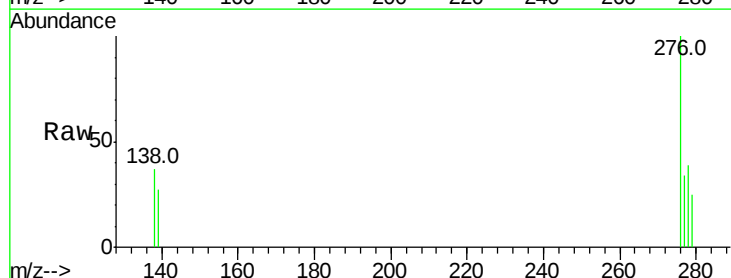
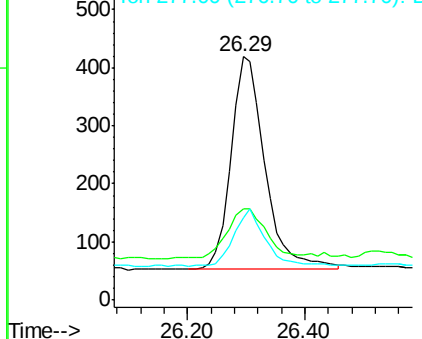
Delta R.T. -0.01 min

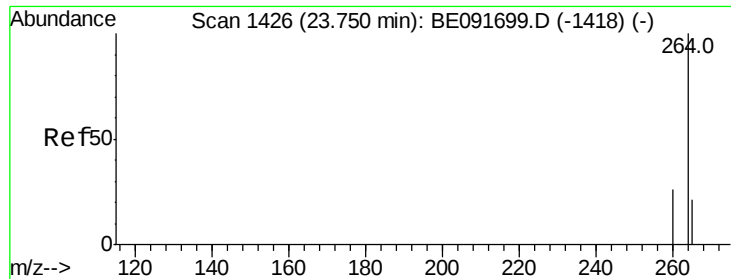
Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:	276	Resp:	1462
Ion Ratio	Lower	Upper	
276	100		
138	27.4	23.4	35.2
277	25.7	19.8	29.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





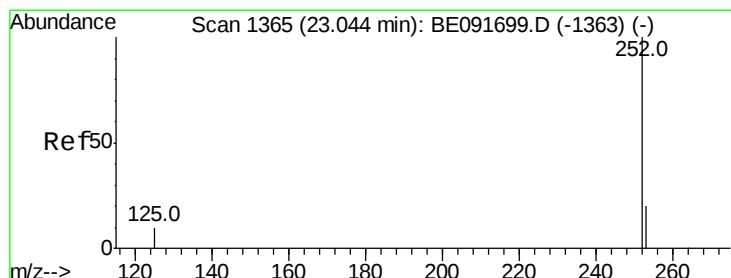
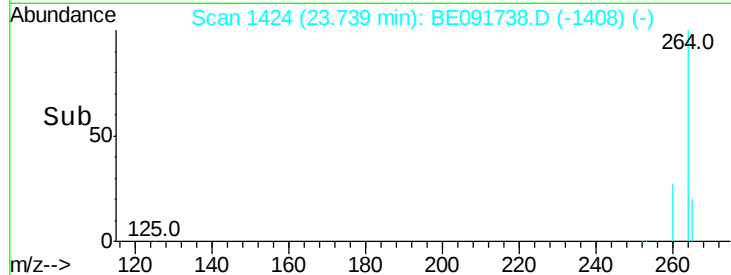
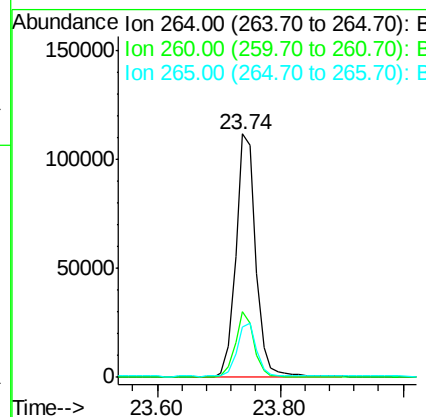
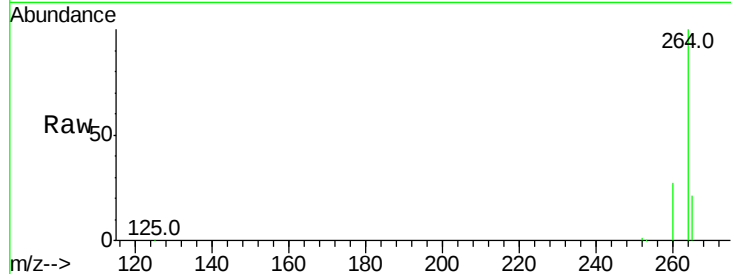
#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Instrument :
BNA_E
ClientSampleId :
KY038PS027-160427

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	26.8	20.0	30.0	
265	20.6	17.5	26.3	

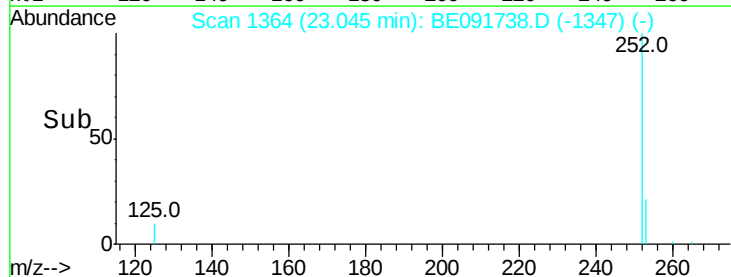
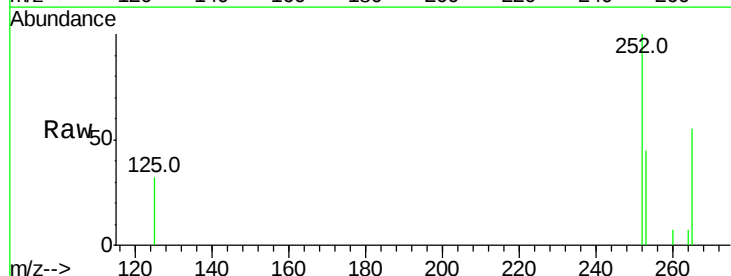
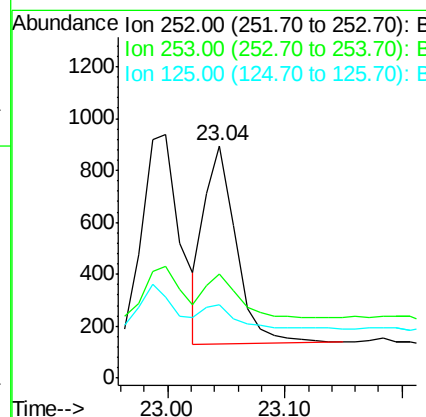
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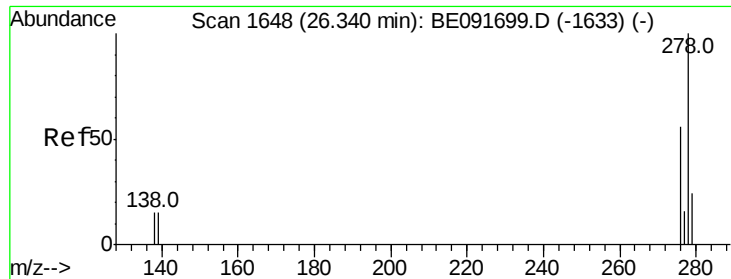
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#37
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 23.04 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	44.7	17.6	26.4#	
125	31.5	9.9	14.9#	





#39

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.32 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BE091738.D

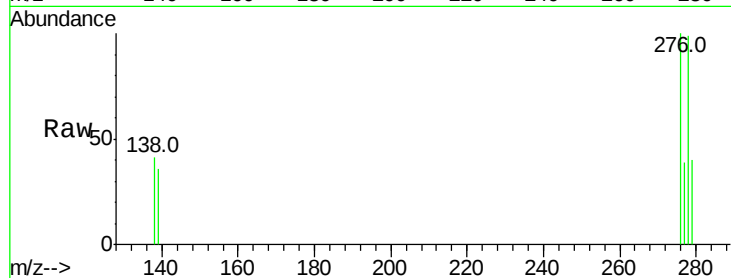
Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160427



Tot Ion:278 Resp: 1063

Ion Ratio Lower Upper

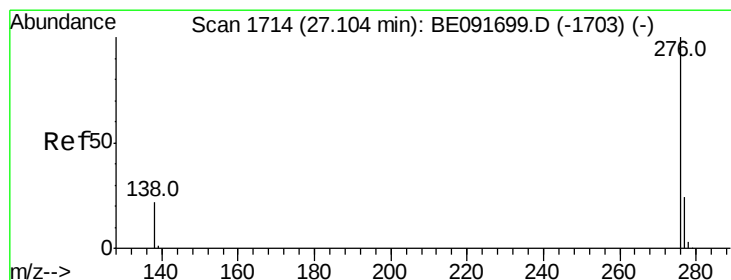
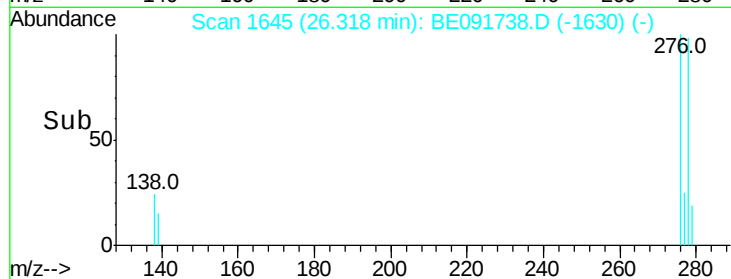
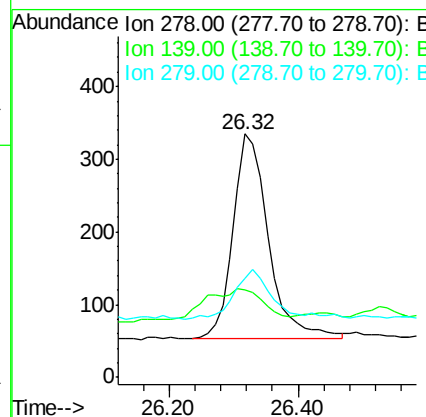
278 100

139 36.1 16.0 24.0#

279 40.9 19.4 29.2#

Manual Integrations
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#40

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.09 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Tgt Ion:276 Resp: 1308

Ion Ratio Lower Upper

276 100

277 35.8 18.6 28.0#

138 35.5 20.4 30.6#

