

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
 Data File : BE091737.D
 Acq On : 29 Apr 2016 17:17
 Operator : UM/SJ
 Sample : H2769-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160427

Manual Integrations
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Quant Time: May 03 11:54:43 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	37243	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	167780	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	95600	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	244751	5.00	ng	0.00
26) Chrysene-d12	21.31	240	268070	5.00	ng	0.00
35) Perylene-d12	23.74	264	270807	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	17564	1.92	ng	0.00
5) Phenol-d6	6.95	99	12305	1.01	ng	0.00
8) Nitrobenzene-d5	8.95	82	33910	3.13	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	20434	5.79	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	101681	3.76	ng	0.00
29) Terphenyl-d14	19.76	244	189148	4.52	ng	0.00
Target Compounds						Qvalue
20) 4-Bromophenyl-phenylether	16.33	248	224	0.03	ng	95
21) Hexachlorobenzene	16.45	284	238	0.03	ng	# 84
22) Pentachlorophenol	16.79	266	107	0.12	ng	# 82
23) Phenanthrene	17.18	178	1777	0.03	ng	# 82
24) Anthracene	17.28	178	1295	0.03	ng	99
25) Fluoranthene	19.19	202	1855	0.03	ng	98
28) Pyrene	19.55	202	2034	0.03	ng	98
30) Benzo(a)anthracene	21.29	228	2720m	0.04	ng	
32) Chrysene	21.33	228	2268m	0.03	ng	
34) Indeno(1,2,3-cd)pyrene	26.31	276	1344	0.02	ng	97
36) Benzo(b)fluoranthene	23.00	252	1579	0.02	ng	# 56
37) Benzo(k)fluoranthene	23.04	252	1396	0.02	ng	# 56
40) Benzo(a,h,i)perylene	27.09	276	1202	0.02	ng	# 77

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

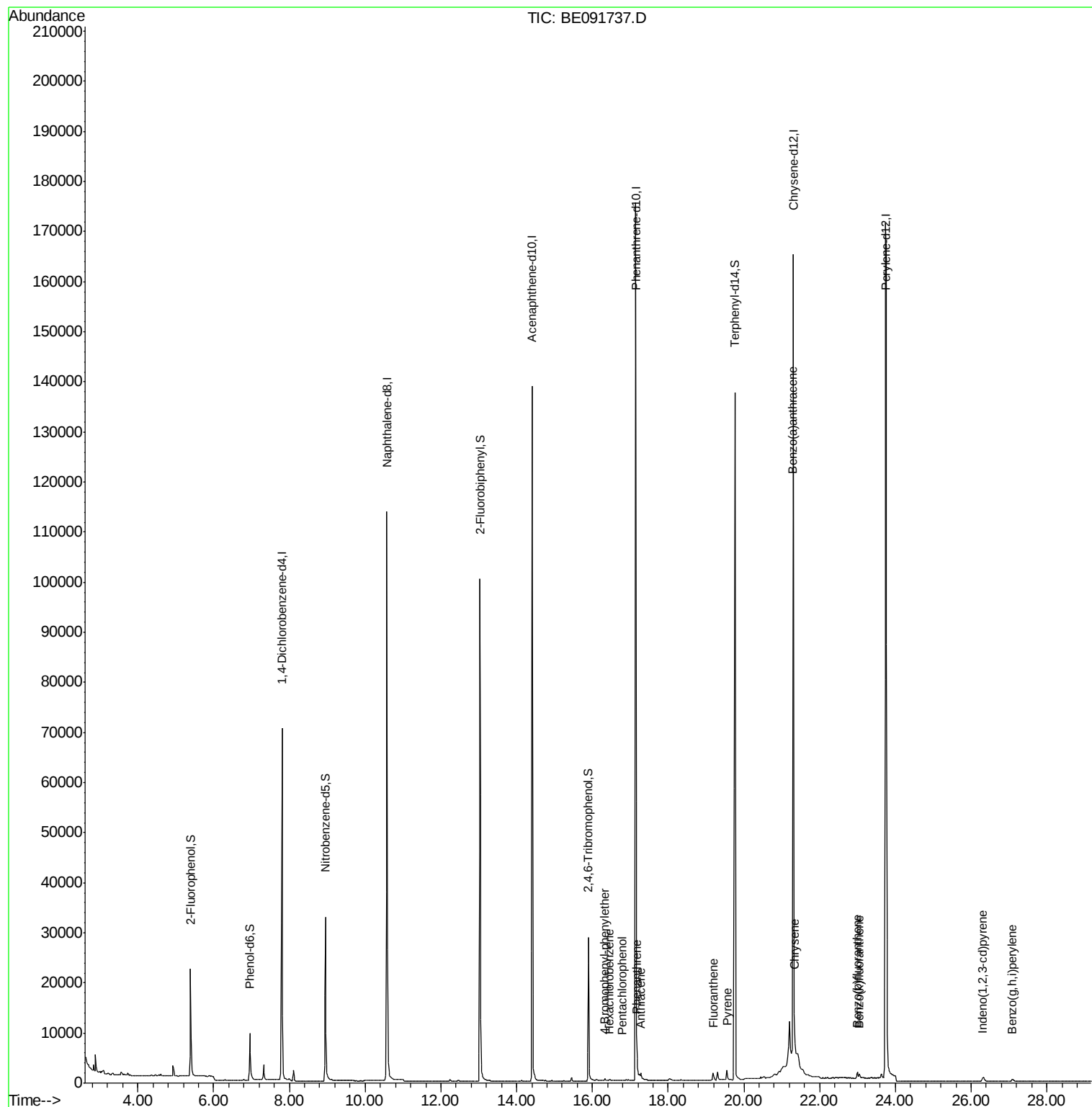
Data Path : Z:\HPCHEM1\BNA E\DATA\BE042916\
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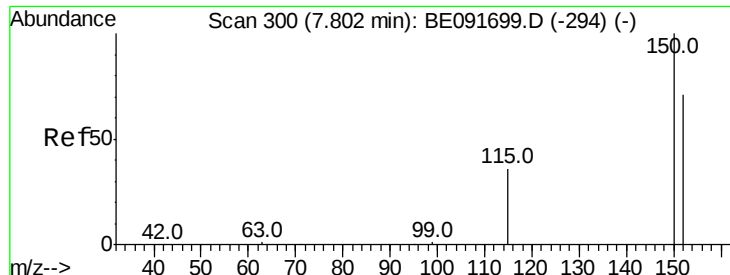
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091737.D

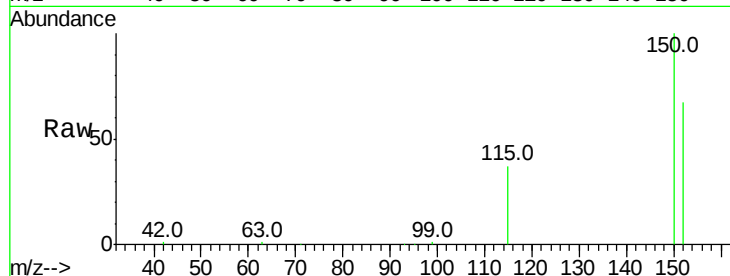
Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427



Tot Ion:152 Resp: 37243

Ion Ratio Lower Upper

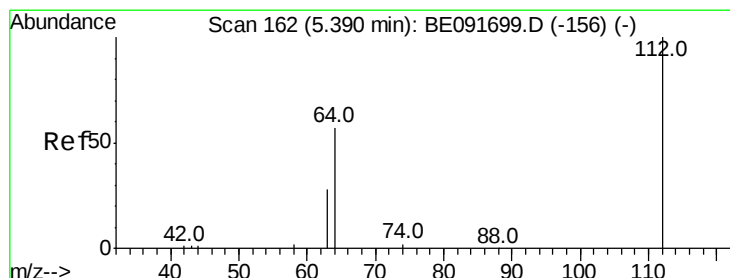
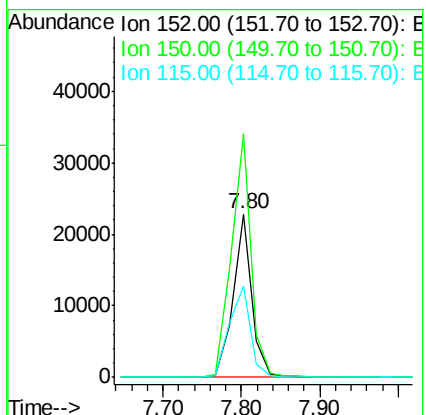
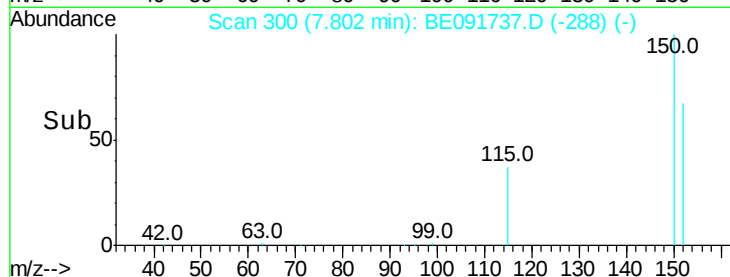
152 100

150 149.0 122.6 183.8

115 55.7 52.8 79.2

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#4

2-Fluorophenol

Concen: 1.92 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

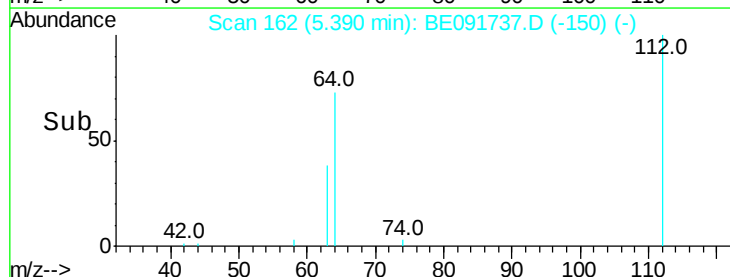
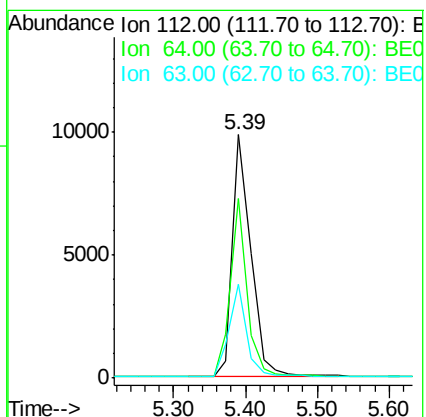
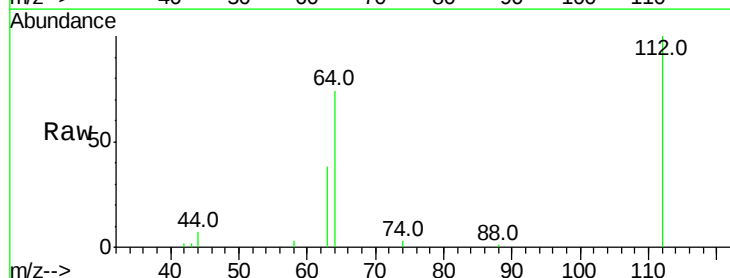
Tgt Ion:112 Resp: 17564

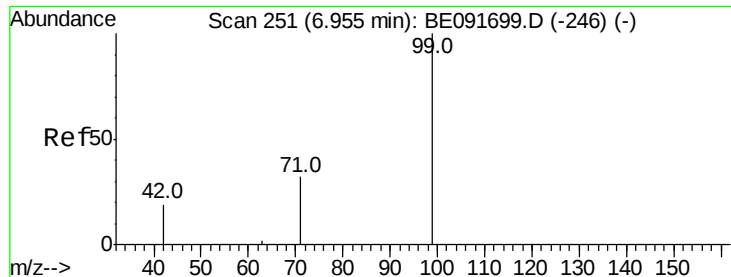
Ion Ratio Lower Upper

112 100

64 66.9 30.9 46.3#

63 36.6 16.7 25.1#





#5

Phenol-d6

Concen: 1.01 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

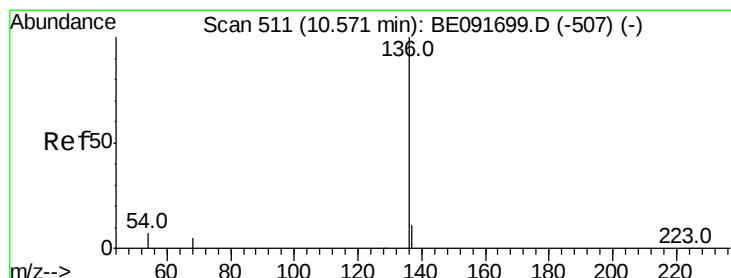
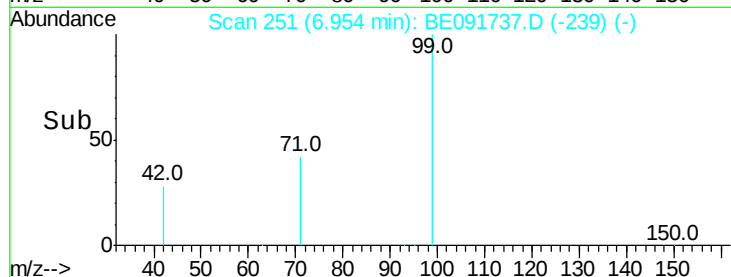
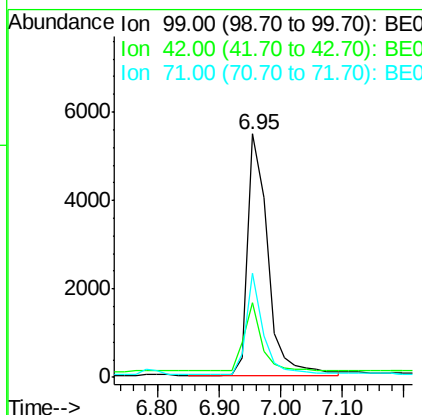
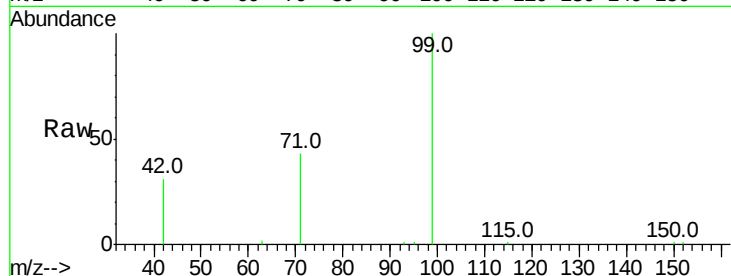
ClientSampleId :

KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
99	100		
42	25.7	16.2	24.2#
71	36.6	29.0	43.4

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#7

Naphthalene-d8

Concen: 5.00 ng

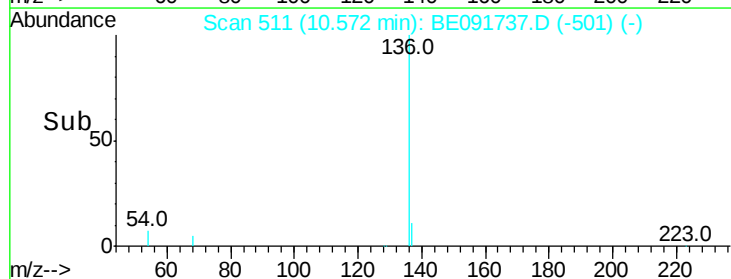
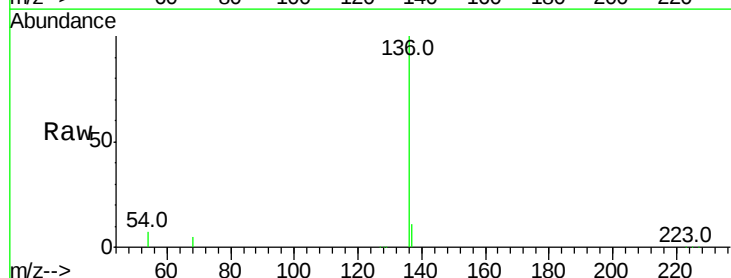
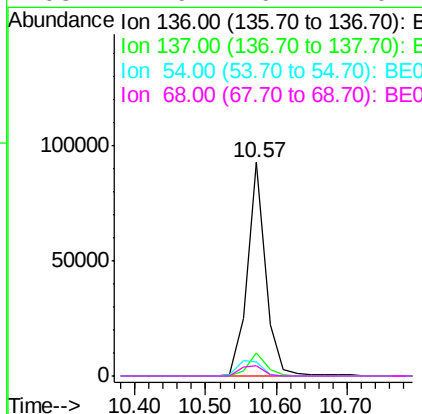
RT: 10.57 min Scan# 511

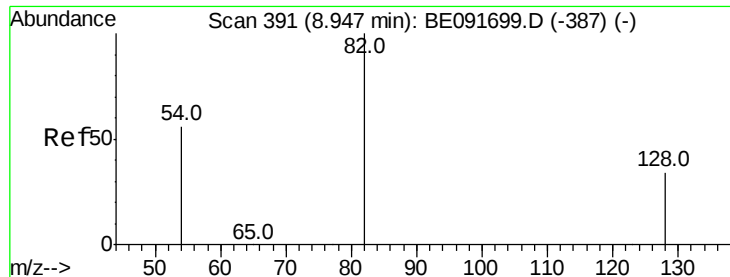
Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	8.2	12.4#
68	4.9	6.2	9.4#





#8

Nitrobenzene-d5

Concen: 3.13 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

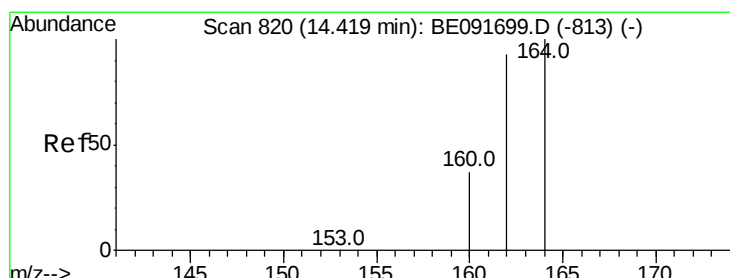
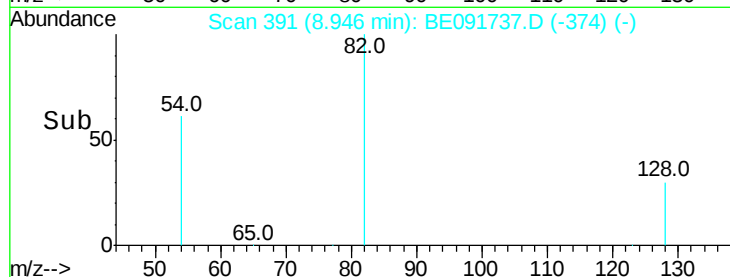
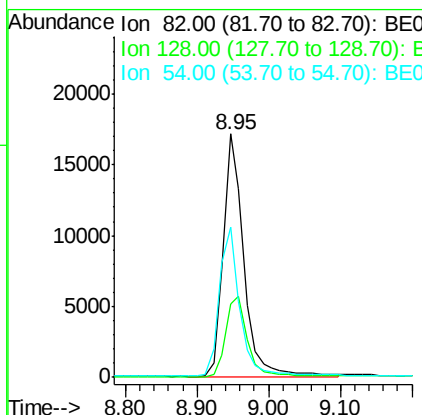
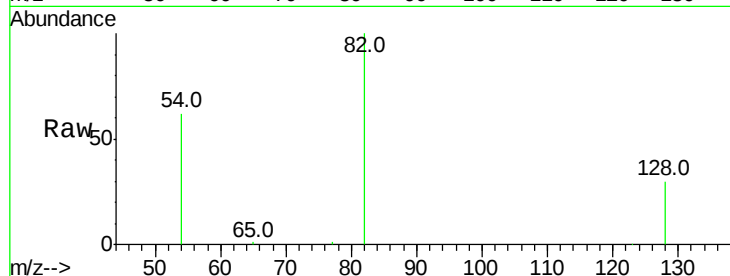
ClientSampleId :

KY038PS038-160427

Tot Ion:	82	Resp:	33910
Ion Ratio	Lower	Upper	
82	100		
128	30.0	25.4	38.0
54	61.7	48.4	72.6

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#13

Acenaphthene-d10

Concen: 5.00 ng

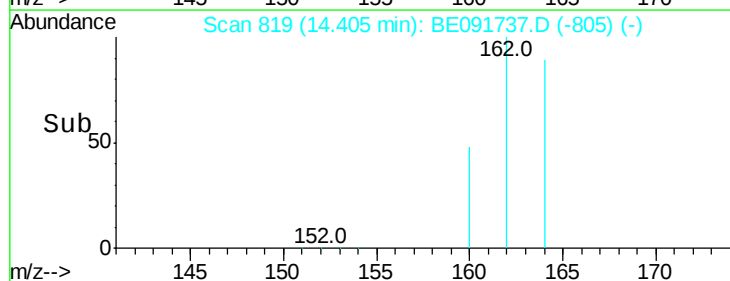
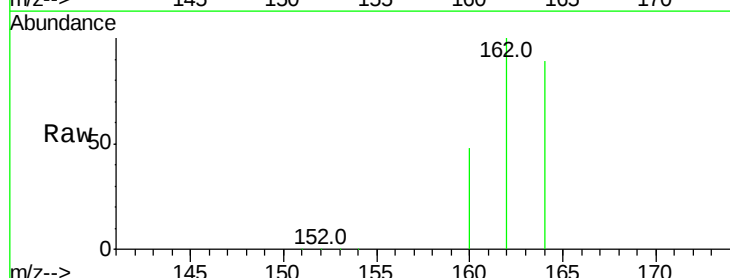
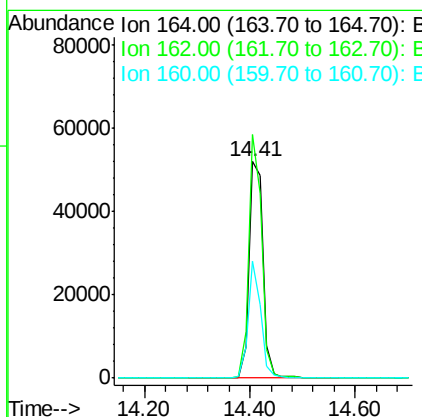
RT: 14.41 min Scan# 819

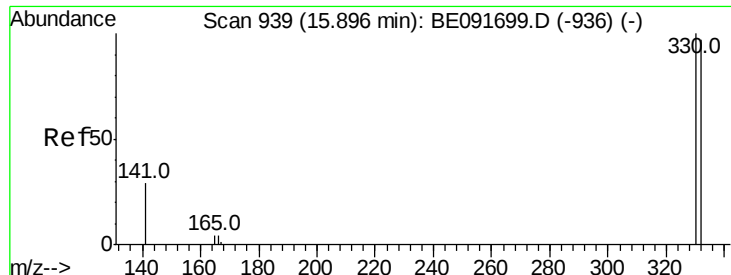
Delta R.T. -0.01 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Tgt Ion:	164	Resp:	95600
Ion Ratio	Lower	Upper	
164	100		
162	112.4	85.3	127.9
160	53.9	46.2	69.2





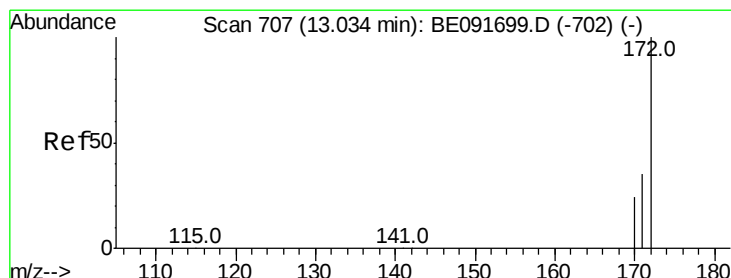
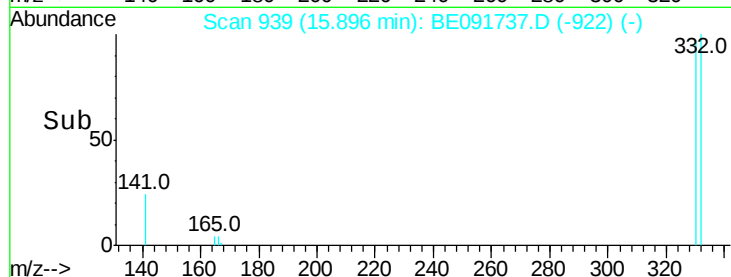
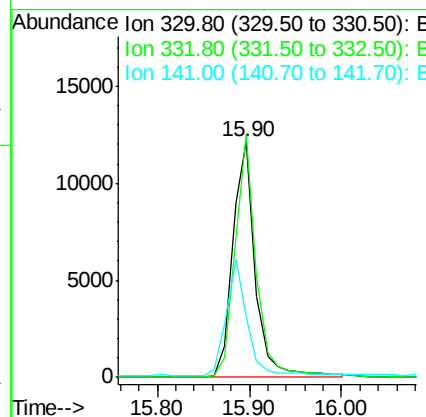
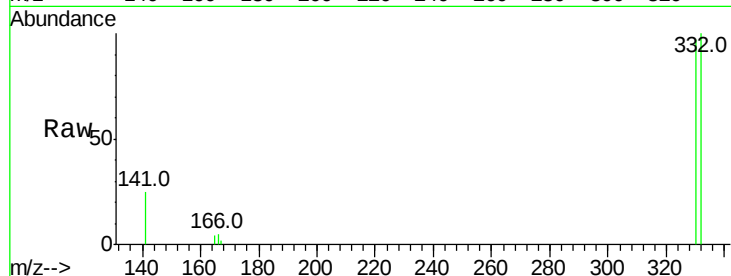
#14
 2,4,6-Tribromophenol
 Concen: 5.79 ng
 RT: 15.90 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BE091737.D
 Acq: 29 Apr 2016 17:17

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	46.2	125.4	188.0

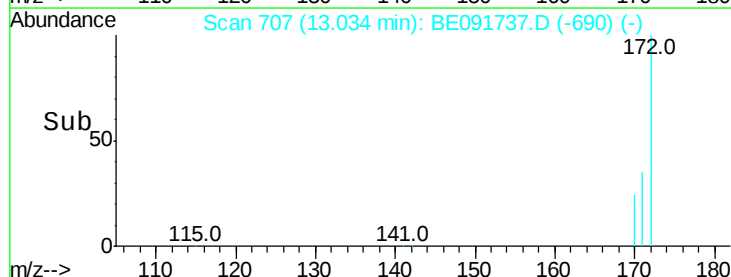
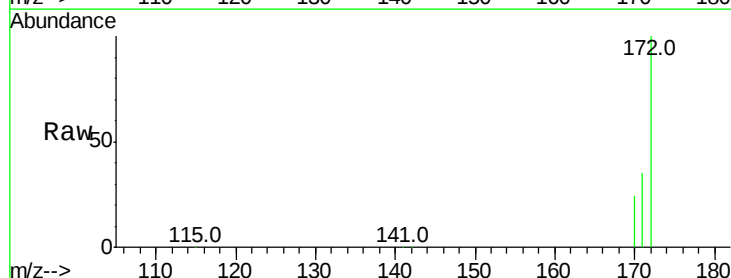
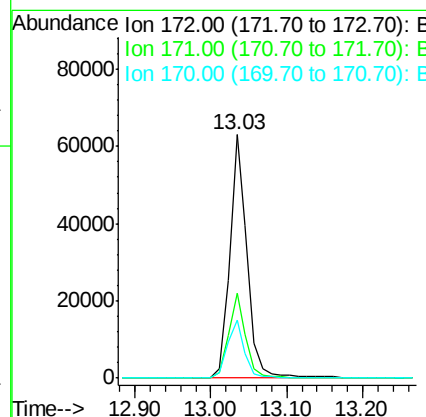
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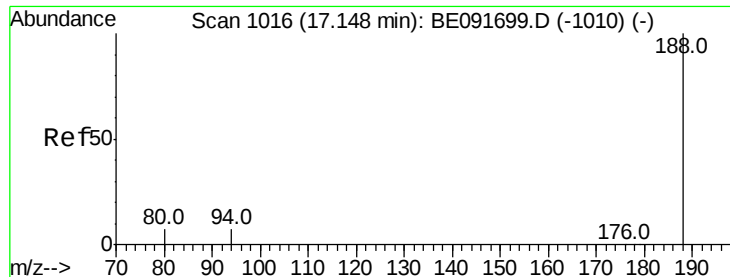
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#15
 2-Fluorobiphenyl
 Concen: 3.76 ng
 RT: 13.03 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: BE091737.D
 Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	23.9	19.3	28.9





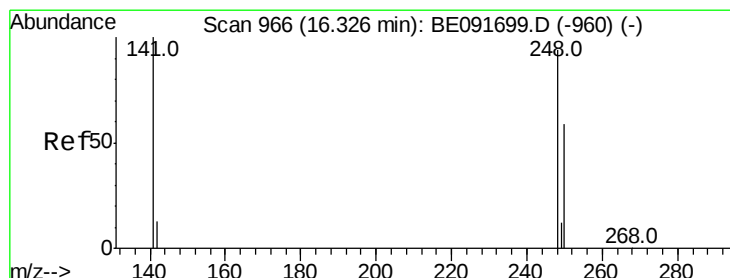
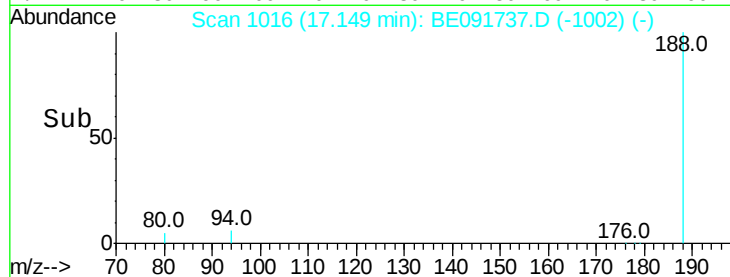
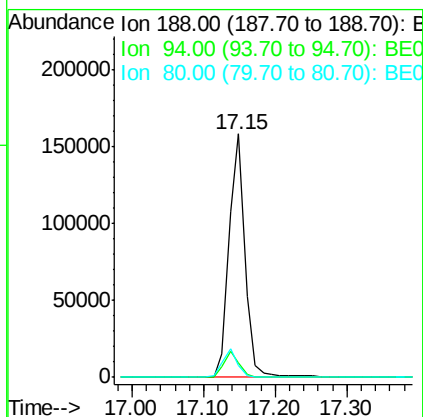
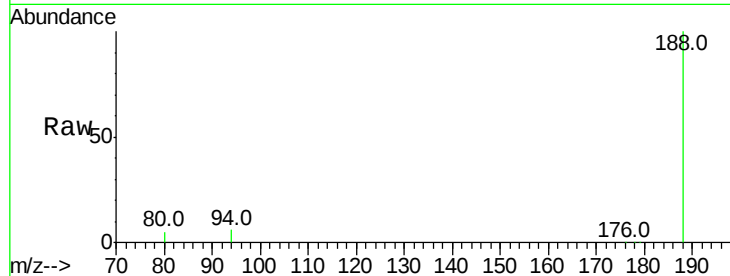
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	5.8	8.7	13.1#
80	5.1	9.4	14.0#

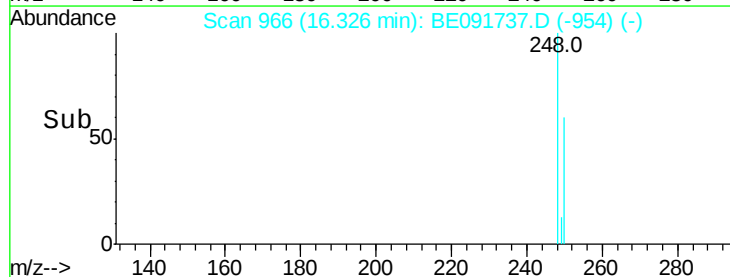
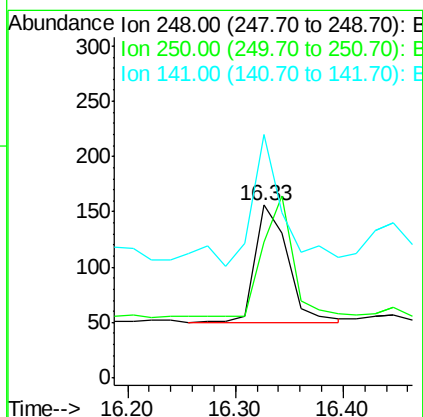
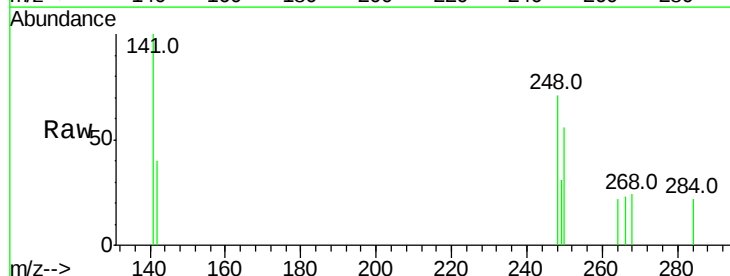
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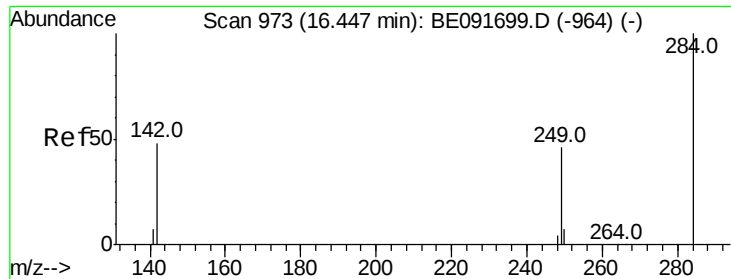
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#20
4-Bromophenyl-phenylether
Concen: 0.03 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	94.2	80.5	120.7
141	93.8	72.0	108.0





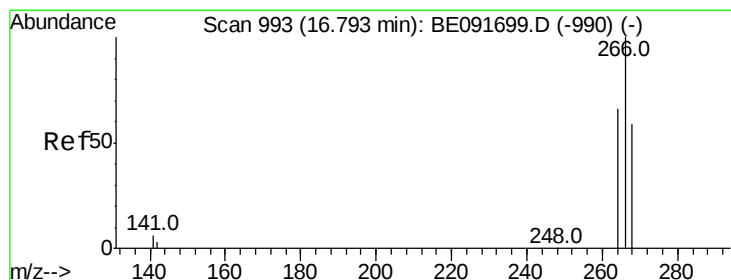
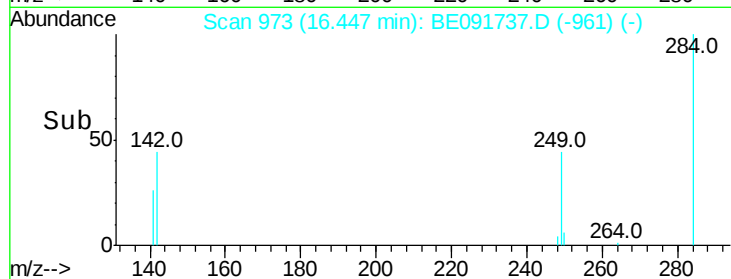
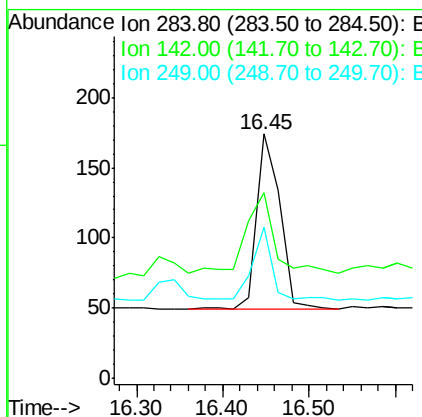
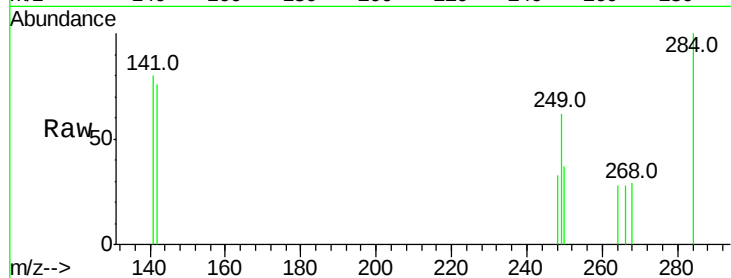
#21
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
284	100		
142	54.2	32.2	48.2#
249	36.1	25.4	38.2

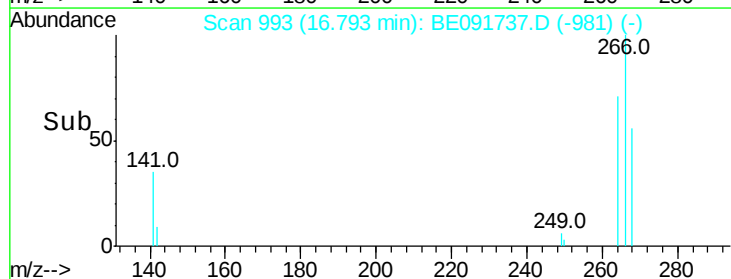
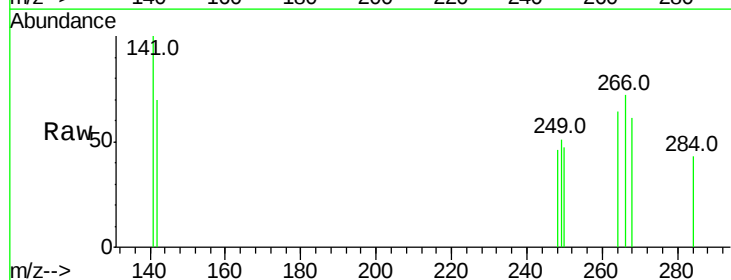
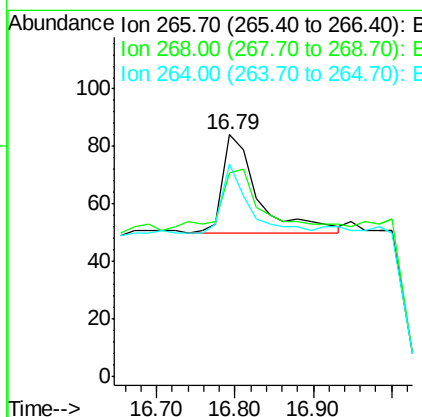
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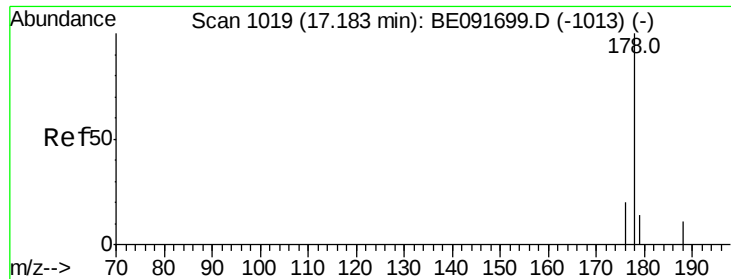
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#22
Pentachlorophenol
Concen: 0.12 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
266	100		
268	84.5	58.2	87.2
264	88.1	56.2	84.4#





#23

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

Tot Ion:178 Resp: 1777

Ion Ratio Lower Upper

178 100

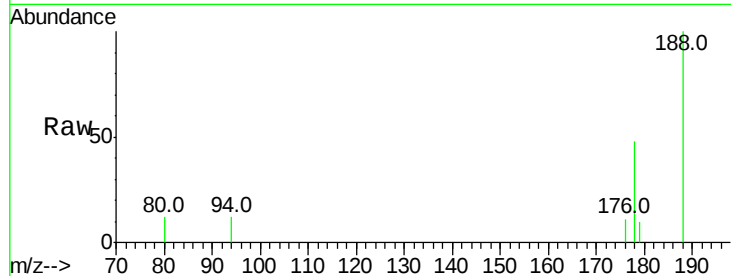
176 17.9 15.3 22.9

179 0.0 12.6 18.8#

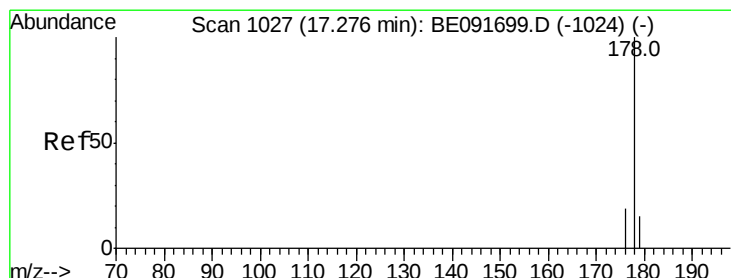
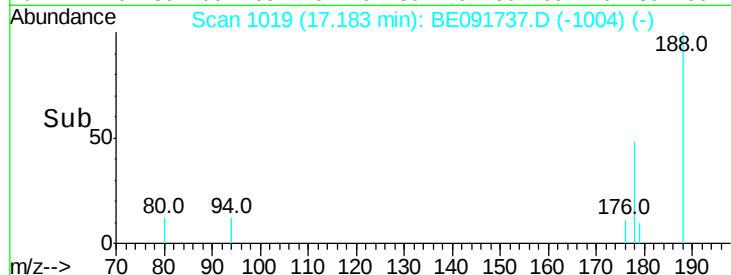
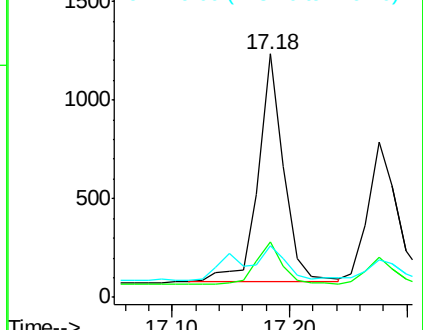
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.03 ng

RT: 17.28 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Tgt Ion:178 Resp: 1295

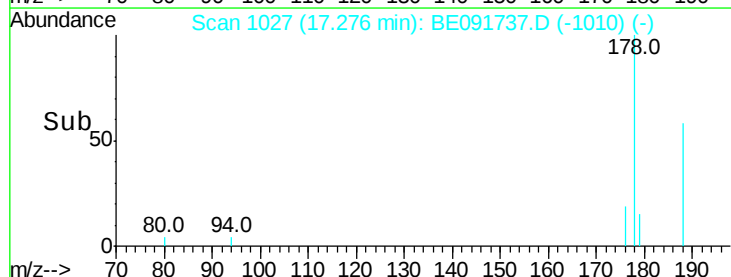
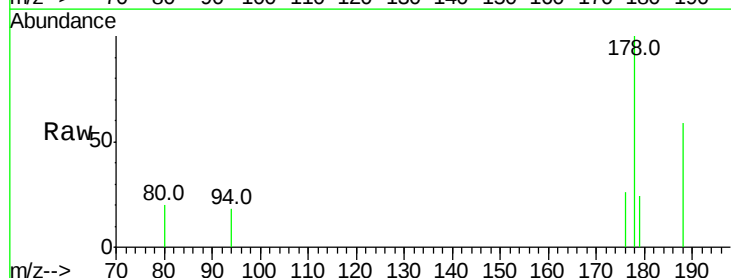
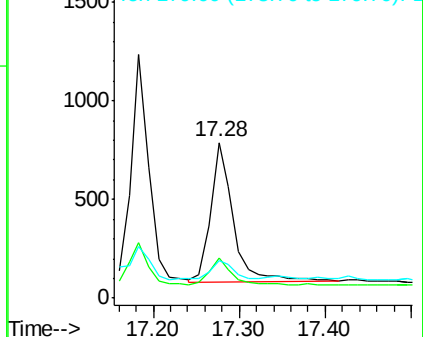
Ion Ratio Lower Upper

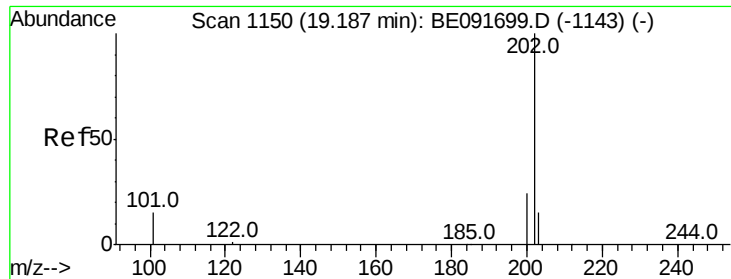
178 100

176 17.8 14.6 21.8

179 14.4 11.8 17.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

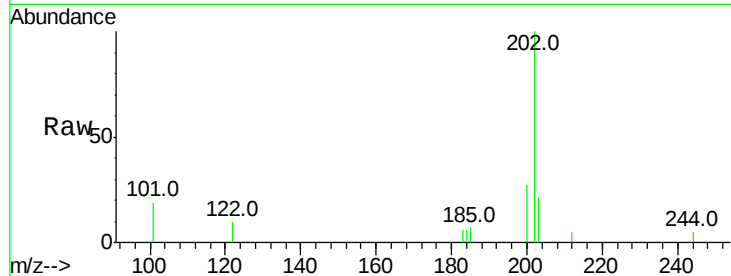
ClientSampleId :

KY038PS038-160427

Tot Ion:	202	Resp:	1855
Ion Ratio	Lower	Upper	
202	100		
101	15.0	11.0	16.6
203	18.0	13.9	20.9

Manual Integrations
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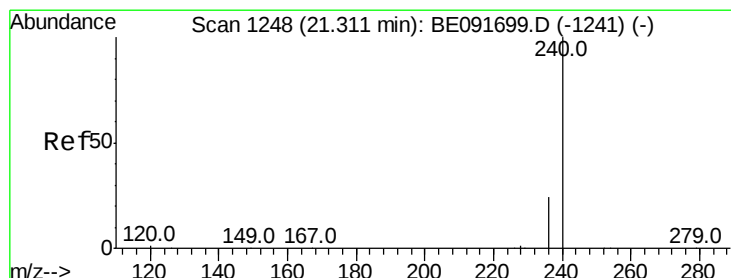
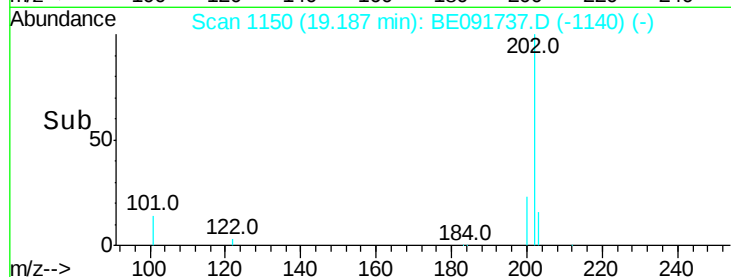
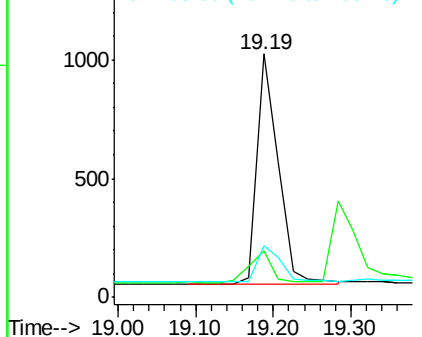
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Abundance Ion 202.00 (201.70 to 202.70): E

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

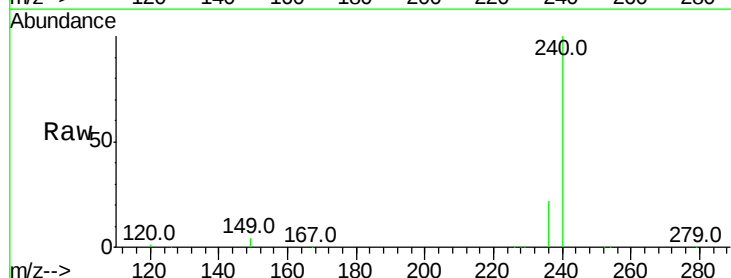
RT: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

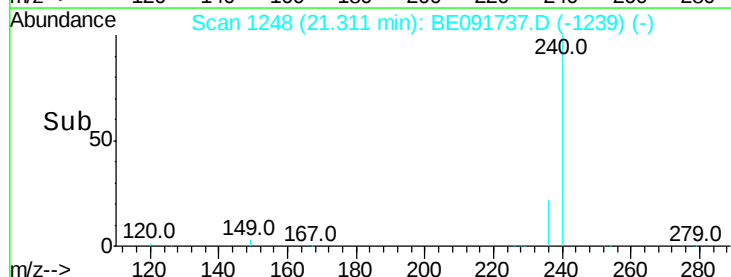
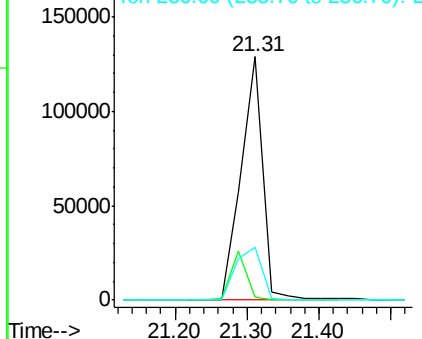
Tgt Ion:	240	Resp:	268070
Ion Ratio	Lower	Upper	
240	100		
120	1.0	11.0	16.4#
236	21.9	21.7	32.5

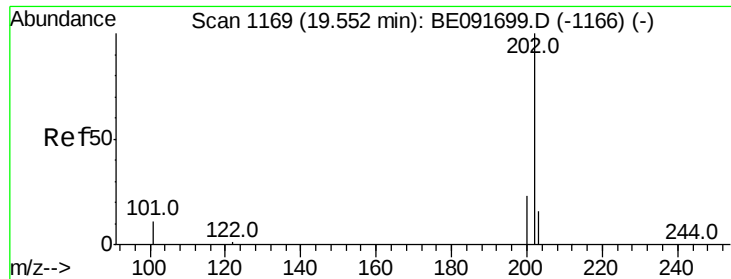


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





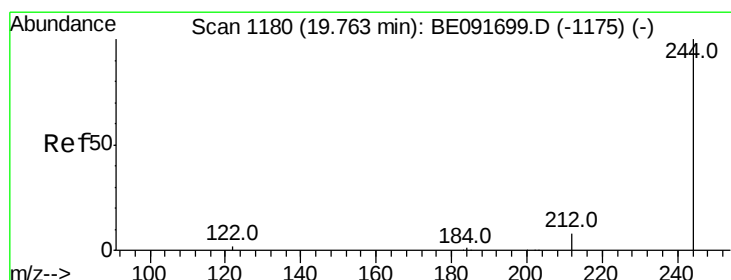
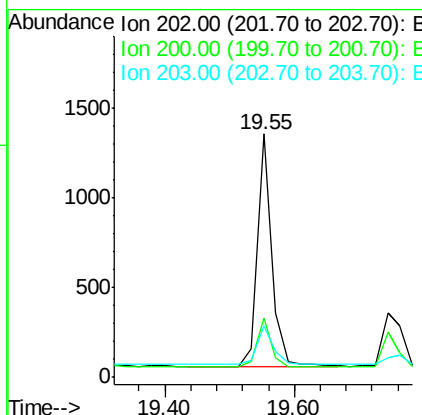
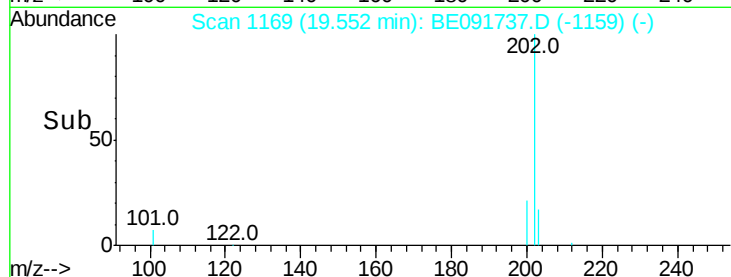
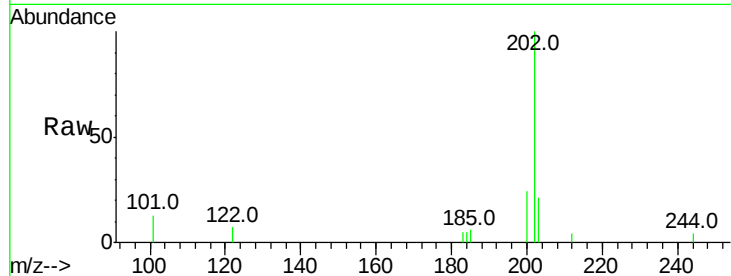
#28
Pvrene
Concen: 0.03 ng
RT: 19.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	16.8	25.2	
203	19.4	14.0	21.0	

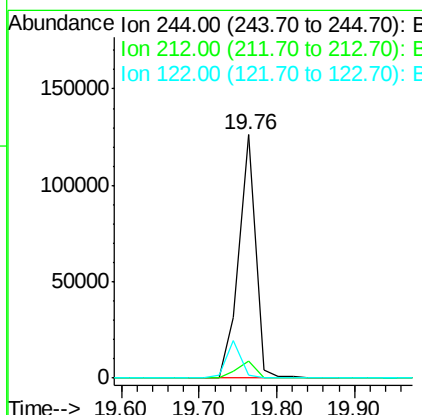
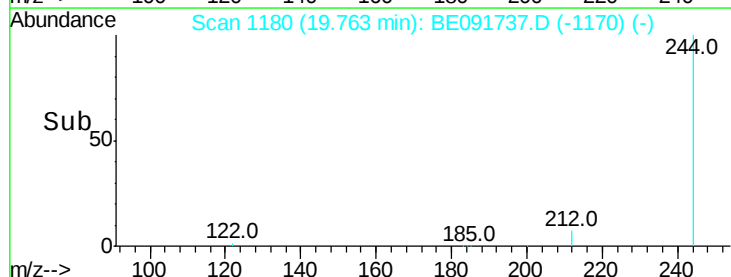
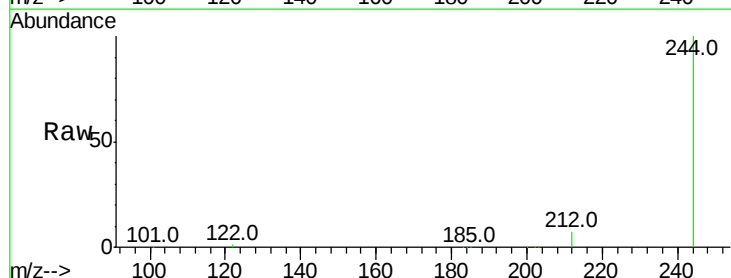
Manual Integrations
APPROVED

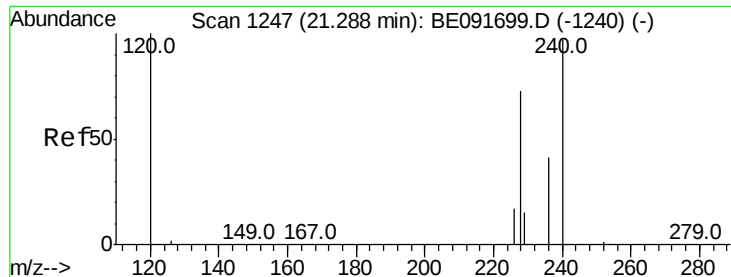
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#29
Terphenyl-d14
Concen: 4.52 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.9	10.3	
122	1.0	11.0	16.4	





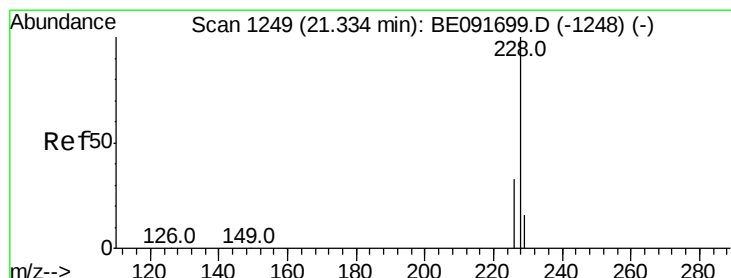
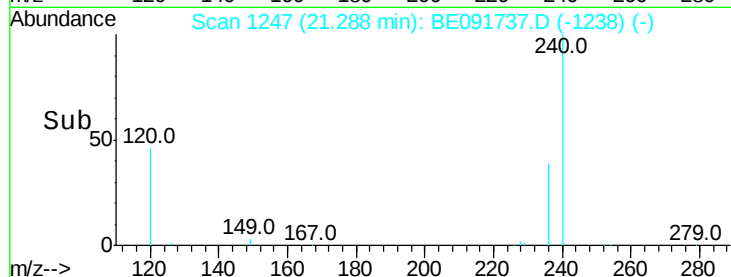
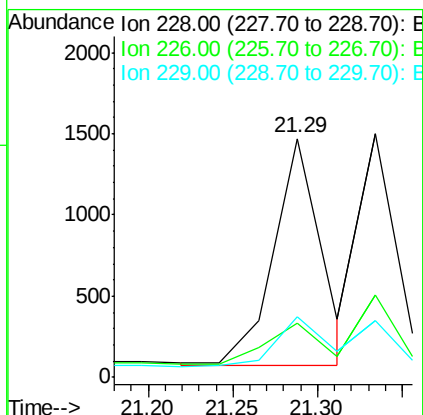
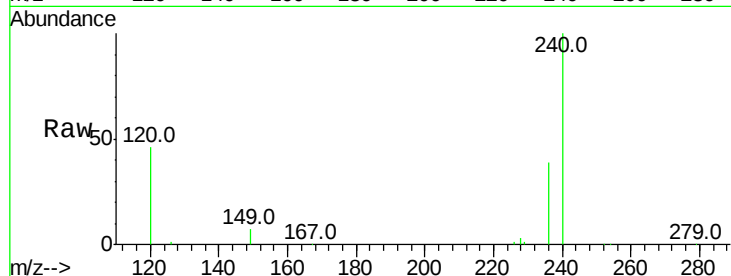
#30
Benzo(a)anthracene
Concen: 0.04 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
228	100		
226	22.5	21.0	31.4
229	25.4	15.7	23.5

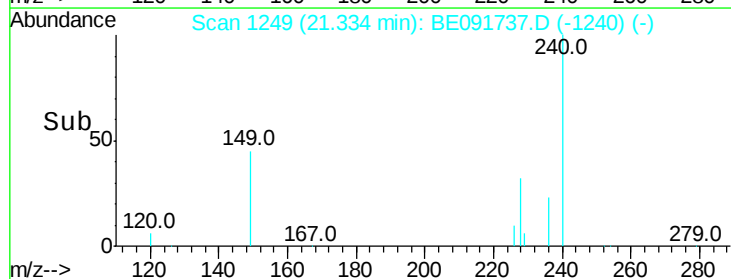
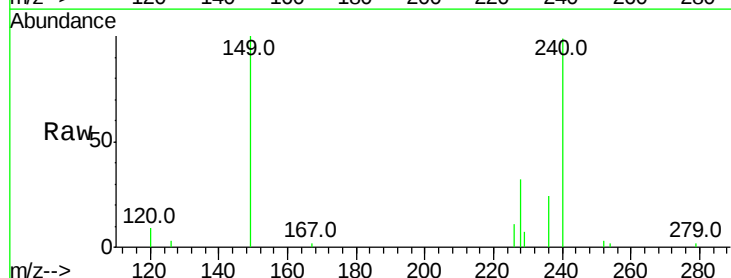
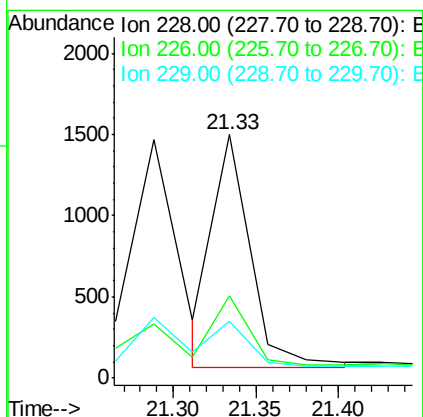
Manual Integrations
APPROVED

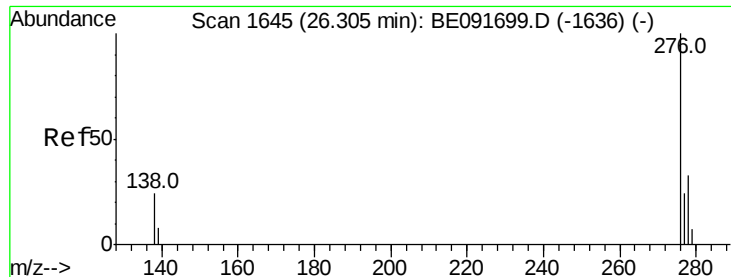
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#32
Chrysene
Concen: 0.03 ng m
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.0	36.0
229	23.3	15.9	23.9





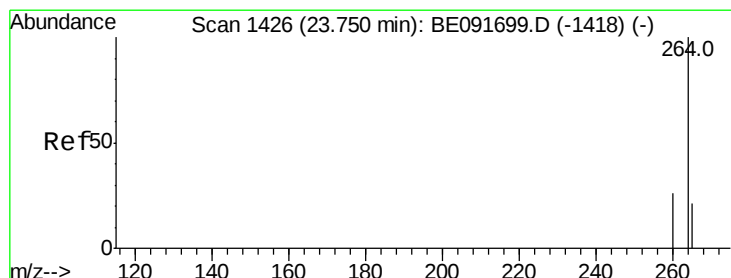
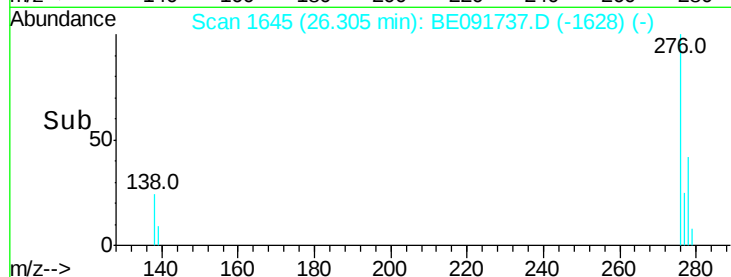
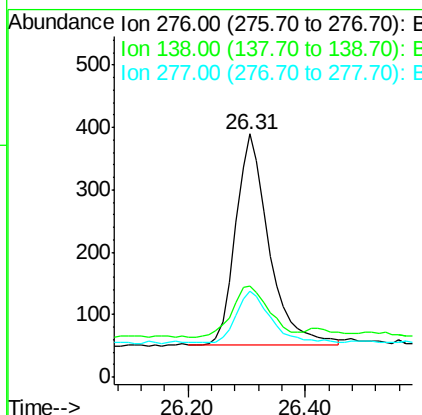
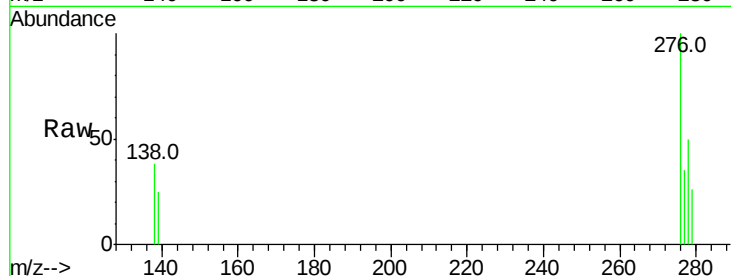
#34
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 26.31 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	23.4	35.2
277	25.3	19.8	29.8

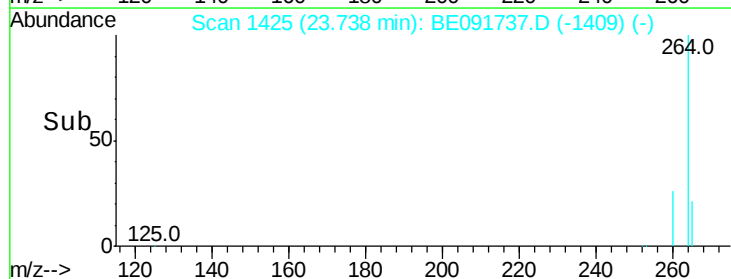
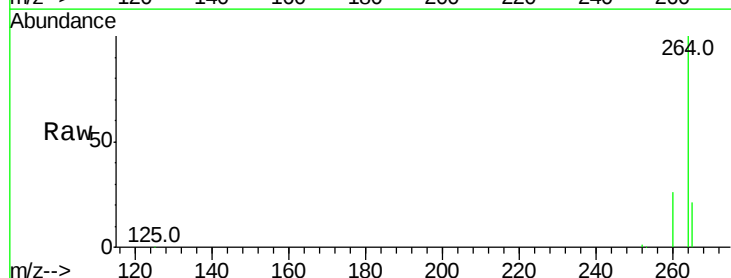
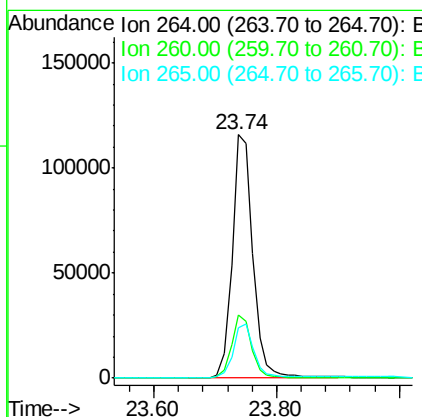
Manual Integrations
APPROVED

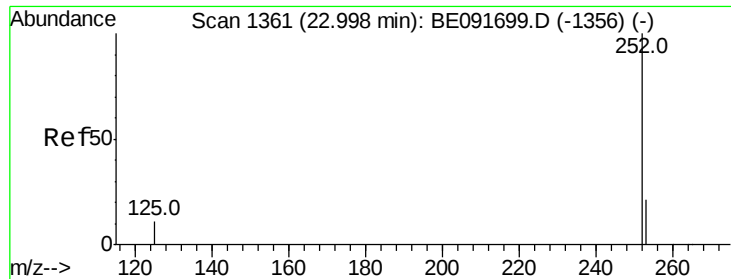
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#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.0	30.0
265	20.9	17.5	26.3





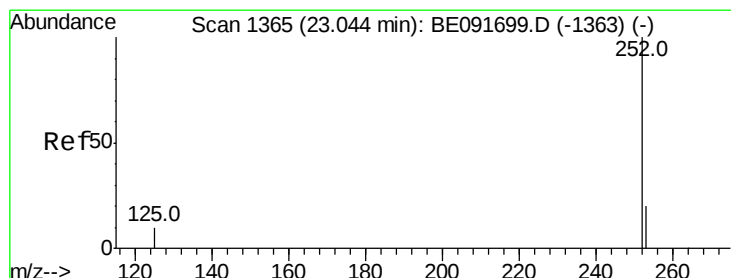
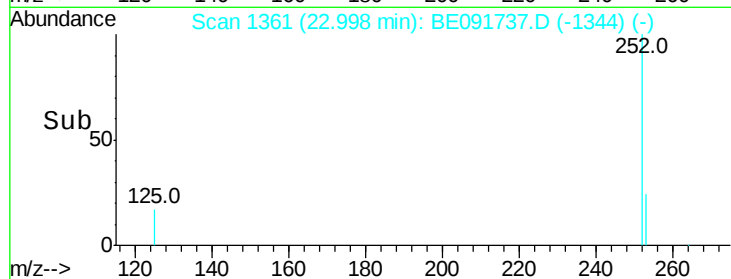
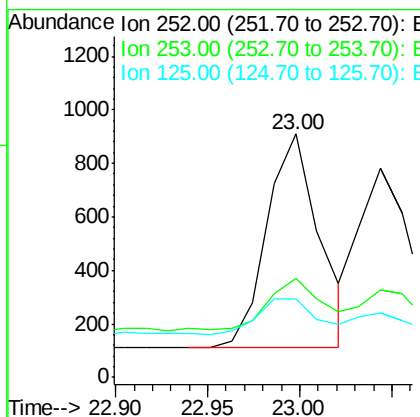
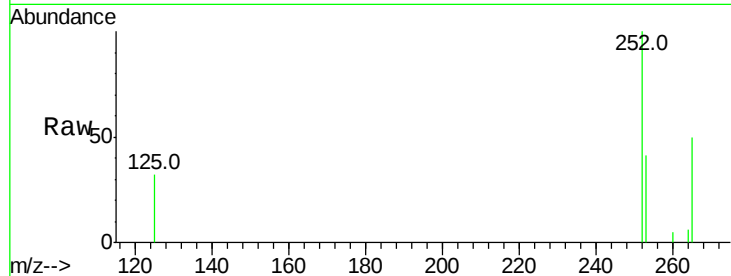
#36
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 23.00 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.5	17.4	26.0#
125	32.4	10.2	15.2#

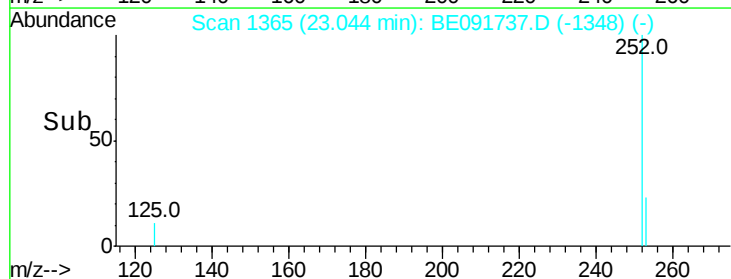
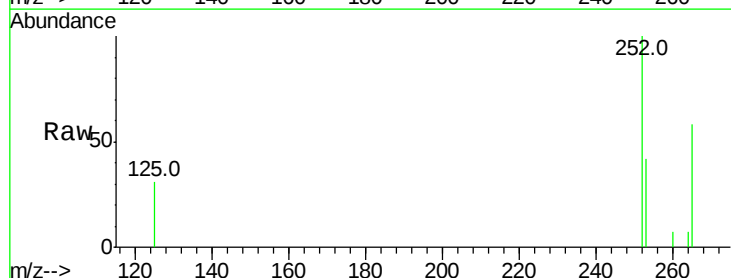
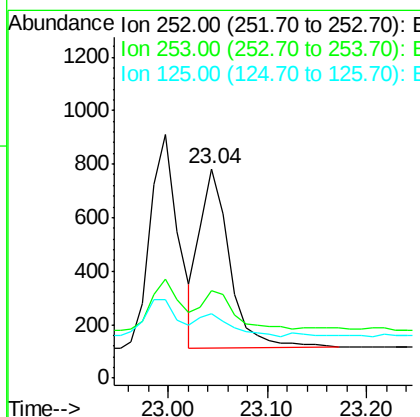
Manual Integrations
APPROVED

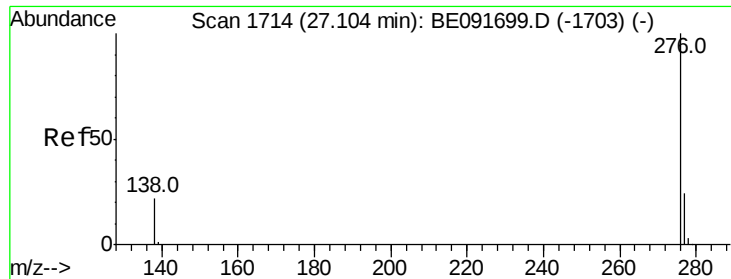
sohil
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#37
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.9	17.6	26.4#
125	30.9	9.9	14.9#





#40

Benzo(a,h,i)perylene

Concen: 0.02 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091737.D

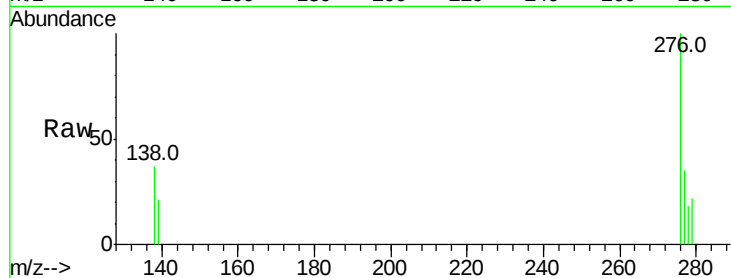
Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427



Tot Ion:	276	Resp:	1202
Ion Ratio	Lower	Upper	
276	100		
277	35.5	18.6	28.0#
138	36.6	20.4	30.6#

Manual Integrations
APPROVED

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