

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
 Data File : BE094342.D
 Acq On : 14 Oct 2017 2:45
 Operator : SJ/JU
 Sample : I5649-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-42(7-9)-100217

Manual Integrations
 APPROVED

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Quant Time: Oct 14 05:10:12 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 14 03:57:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2039	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	10034	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	6028	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	12871m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	11620	0.40	ng/ul	0.00
20) Perylene-d12	23.98	264	13469m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	4898	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	11732	0.27	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	27597	1.12	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	10585	0.66	ng/ul	97
7) Acenaphthylene	14.26	152	21549	0.92	ng/ul	98
8) Acenaphthene	14.60	153	66885	3.46	ng/ul	97
9) Fluorene	15.58	166	85717	3.78	ng/ul#	94
12) Phenanthrene	17.31	178	1226337	36.46	ng/ul#	87
13) Anthracene	17.39	178	318001	9.72	ng/ul#	87
15) Fluoranthene	19.33	202	2119467	47.96	ng/ul	84
17) Pyrene	19.70	202	2070103	64.03	ng/ul#	83
18) Benzo(a)anthracene	21.43	228	1363837	44.24	ng/ul#	87
19) Chrysene	21.48	228	1241671	34.88	ng/ul	98
21) Benzo(b)fluoranthene	23.21	252	1271505	34.75	ng/ul	86
22) Benzo(k)fluoranthene	23.25	252	479899m	11.35	ng/ul	
23) Benzo(a)pyrene	23.88	252	1076891m	28.32	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.68	276	629874m	16.19	ng/ul	
25) Dibenzo(a,h)anthracene	26.68	278	187255m	5.74	ng/ul	
26) Benzo(g,h,i)perylene	27.53	276	514255m	15.33	ng/ul	

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

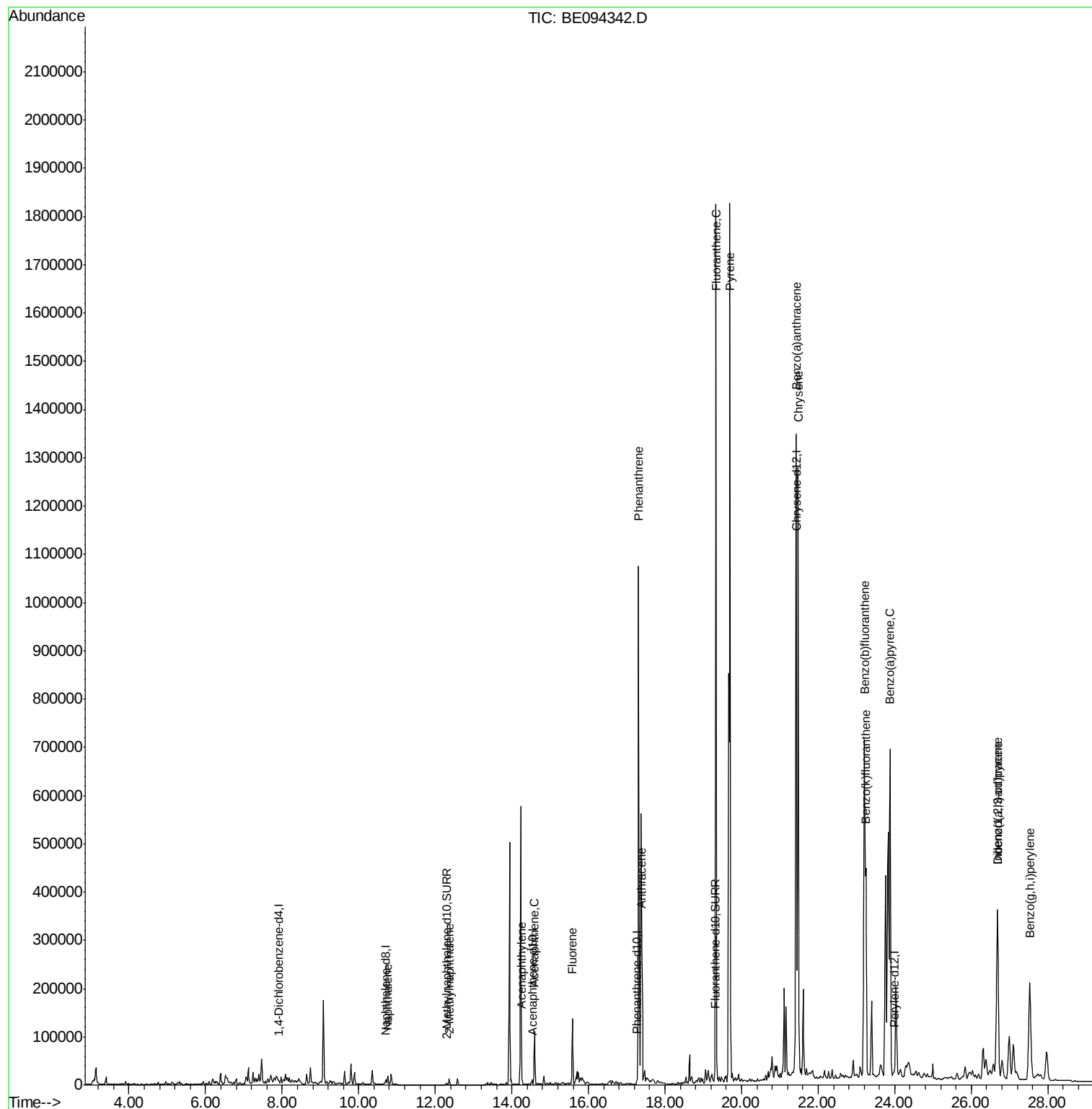
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094342.D
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ALS Vial : 23 Sample Multiplier: 1

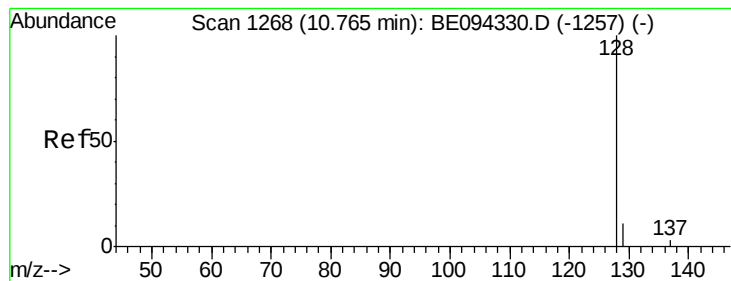
Instrument :
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#3

Naphthalene

Concen: 1.12 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Instrument :

BNA_E

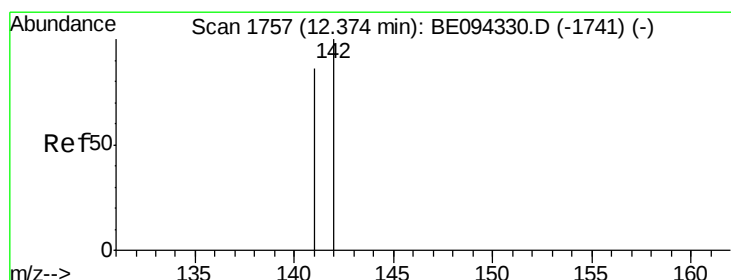
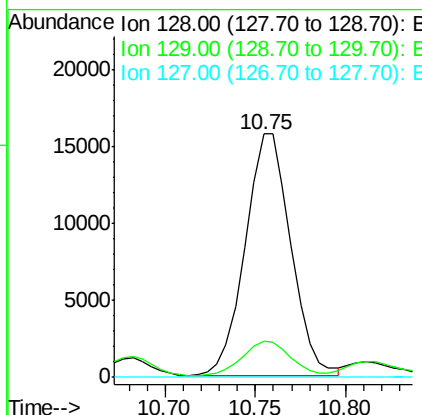
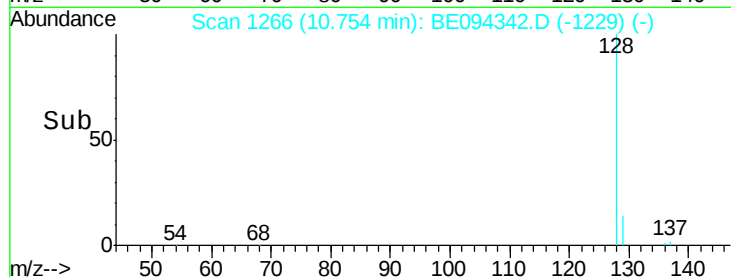
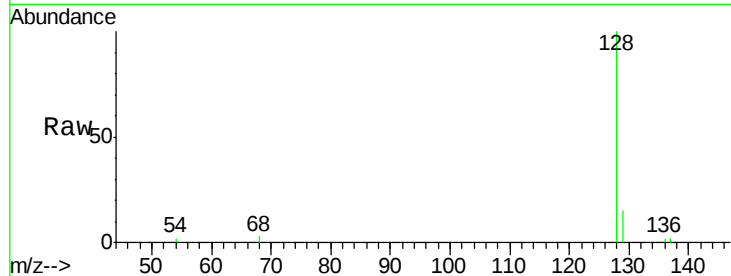
ClientSampleId :

B-42(7-9)-100217

Tgt Ion:	128	Resp:	27597
Ion Ratio	Lower	Upper	
128	100		
129	14.7	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.66 ng/ul

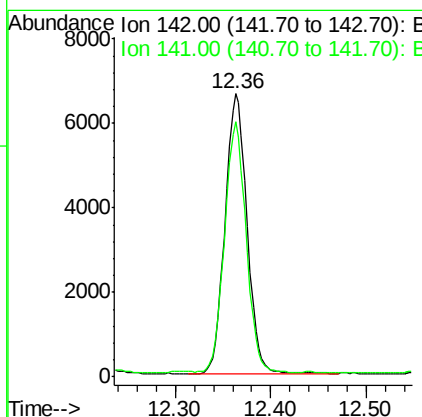
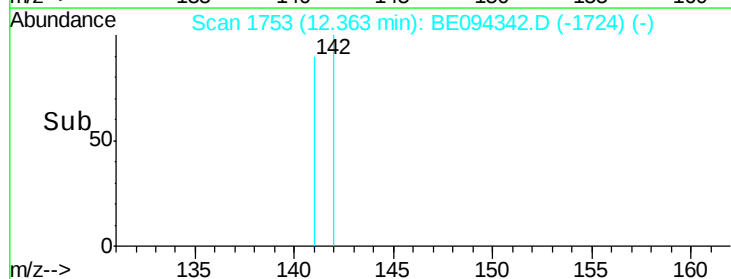
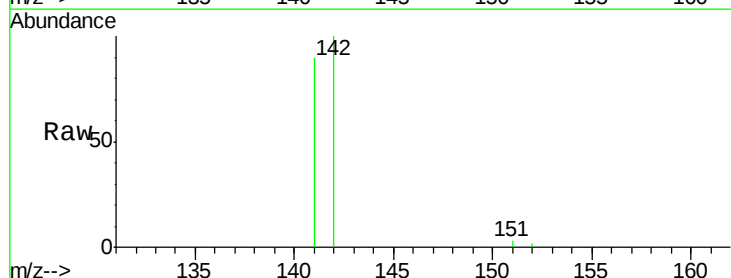
RT: 12.36 min Scan# 1753

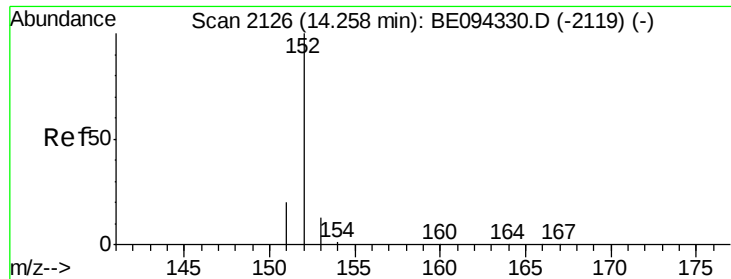
Delta R.T. -0.01 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Tgt Ion:	142	Resp:	10585
Ion Ratio	Lower	Upper	
142	100		
141	88.0	72.6	108.8





#7

Acenaphthylene

Concen: 0.92 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Instrument :

BNA_E

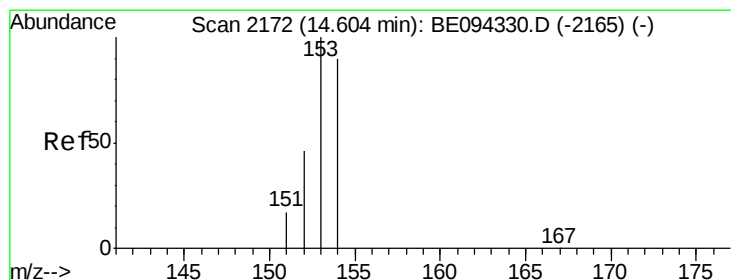
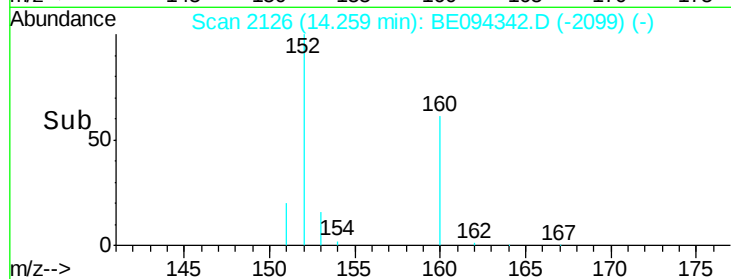
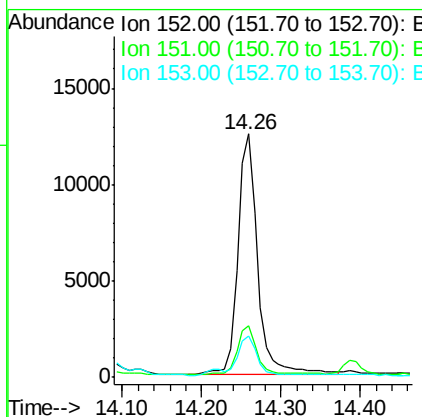
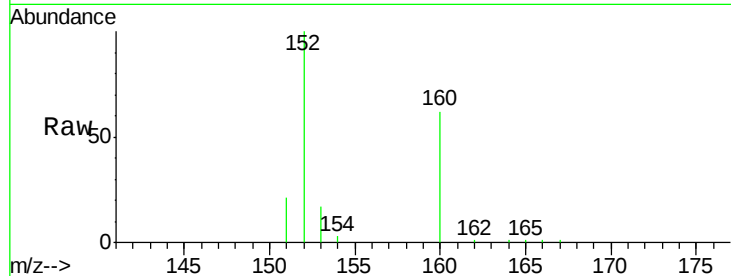
ClientSampleId :

B-42(7-9)-100217

Tgt Ion:	152	Resp:	21549
Ion Ratio	Lower	Upper	
152	100		
151	21.0	17.1	25.7
153	17.0	12.8	19.2

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#8

Acenaphthene

Concen: 3.46 ng/ul

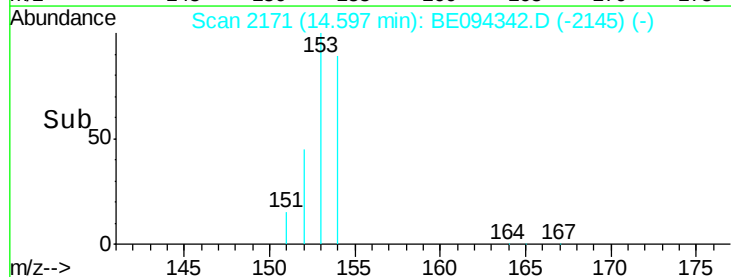
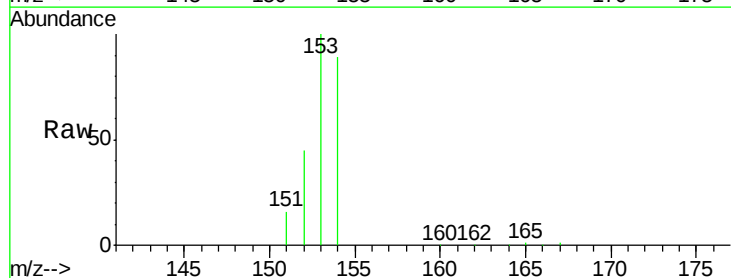
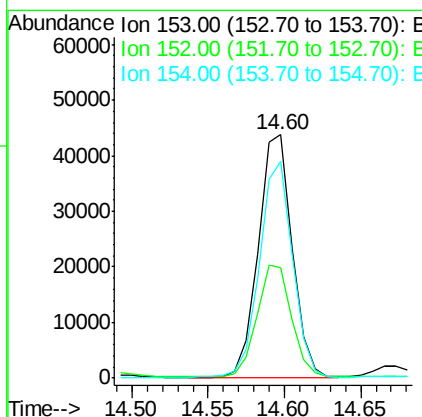
RT: 14.60 min Scan# 2171

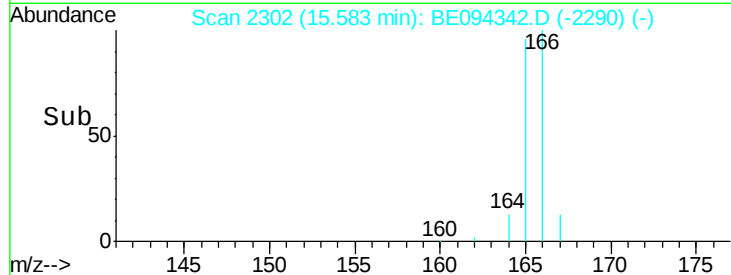
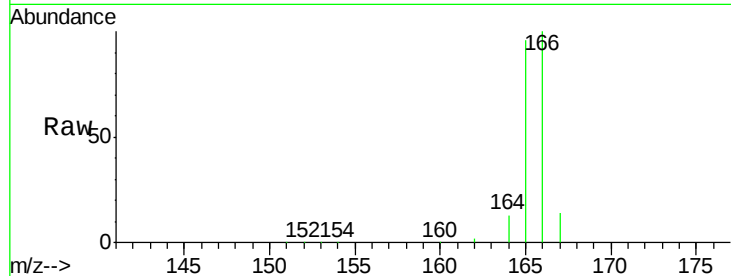
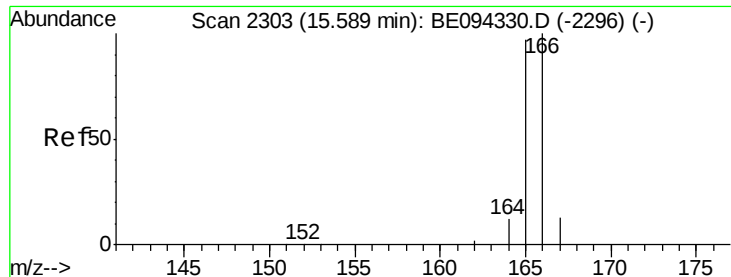
Delta R.T. -0.01 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Tgt Ion:	153	Resp:	66885
Ion Ratio	Lower	Upper	
153	100		
152	45.3	40.3	60.5
154	89.2	71.4	107.2





#9

Fluorene

Concen: 3.78 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Tgt Ion:	166	Resp:	85717
Ion Ratio	Lower	Upper	
166	100		
165	96.4	73.4	110.2
167	14.4	14.6	22.0#

Instrument :

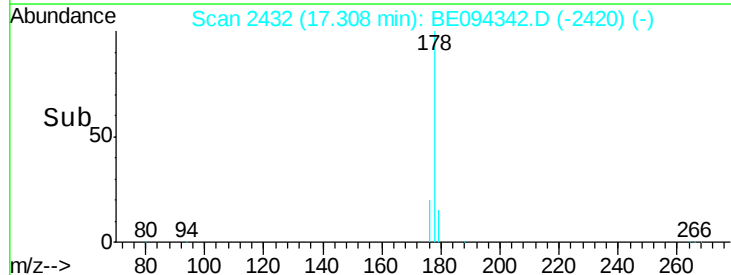
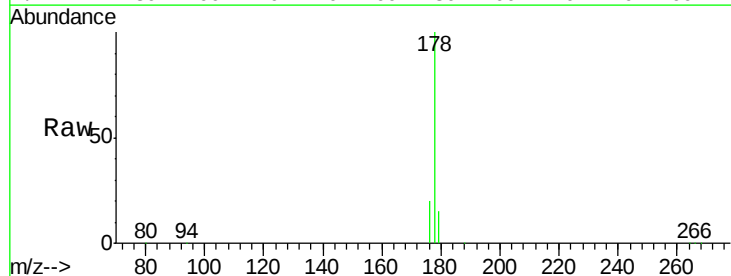
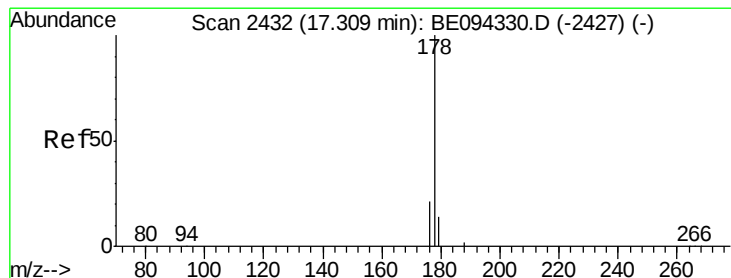
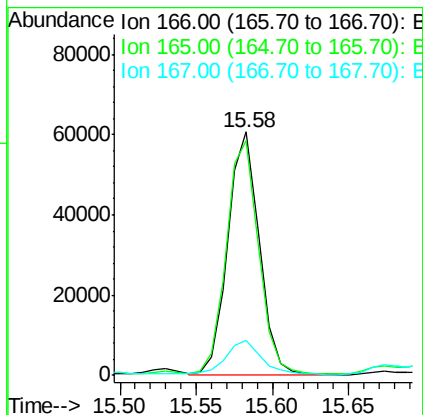
BNA_E

ClientSampleId :

B-42(7-9)-100217

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#12

Phenanthrene

Concen: 36.46 ng/ul

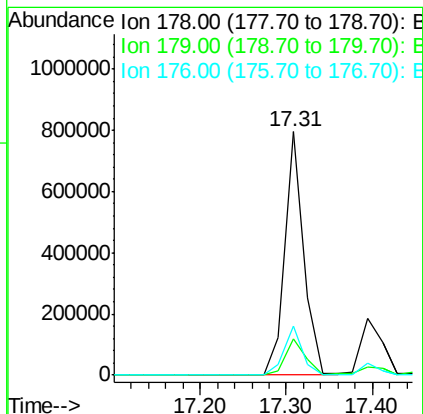
RT: 17.31 min Scan# 2432

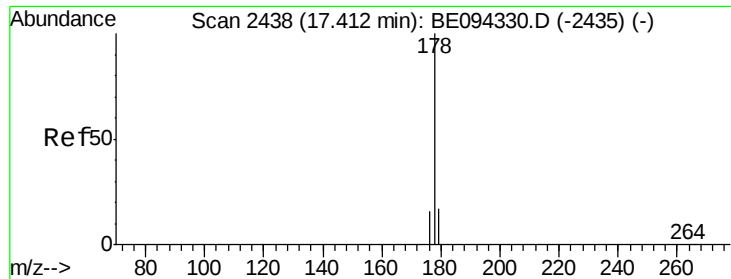
Delta R.T. -0.00 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Tgt Ion:	178	Resp:	1226337
Ion Ratio	Lower	Upper	
178	100		
179	14.7	18.4	27.6#
176	20.3	13.6	20.4





#13

Anthracene

Concen: 9.72 ng/ul

RT: 17.39 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Instrument :

BNA_E

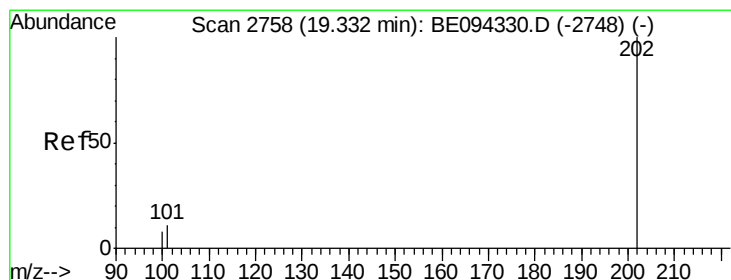
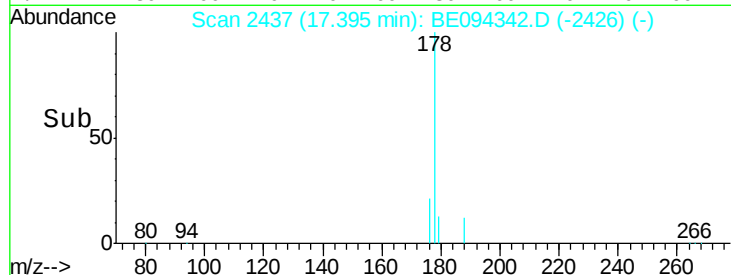
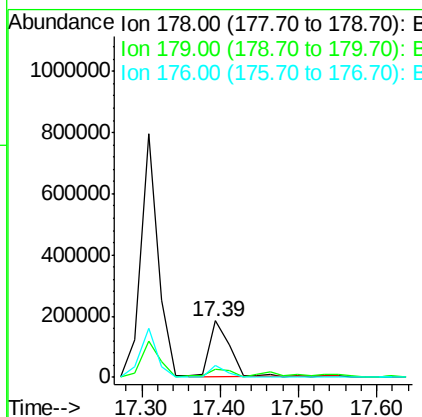
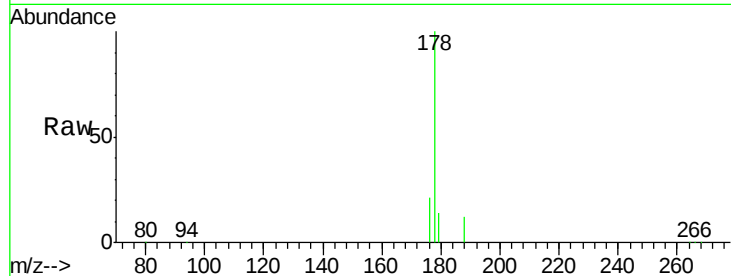
ClientSampleId :

B-42(7-9)-100217

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.7	18.1	27.1#
176	20.9	14.7	22.1

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#15

Fluoranthene

Concen: 47.96 ng/ul

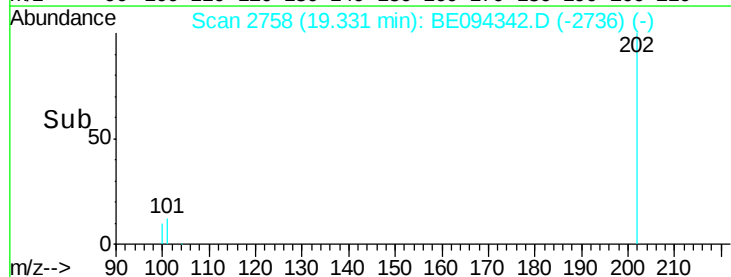
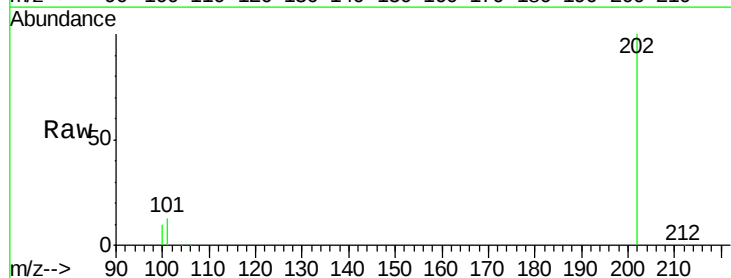
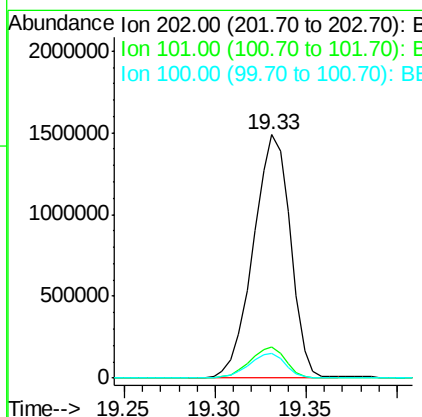
RT: 19.33 min Scan# 2758

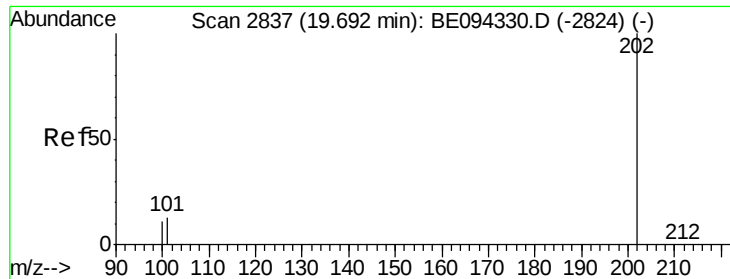
Delta R.T. -0.00 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.3
100	10.0	0.0	39.5





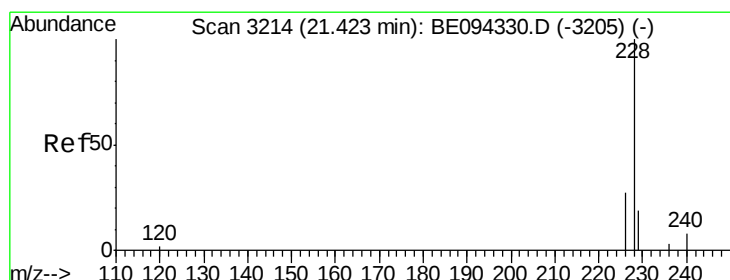
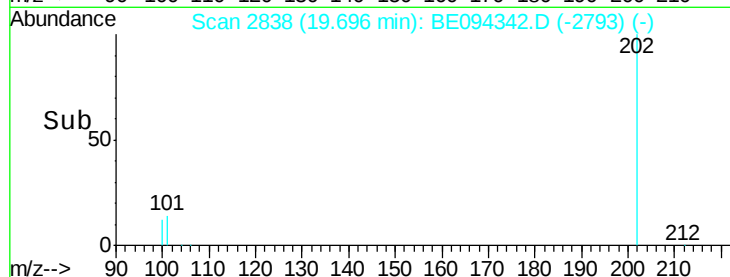
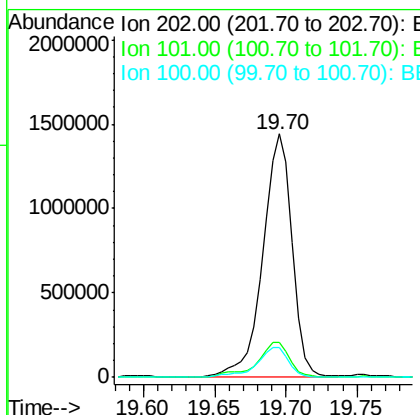
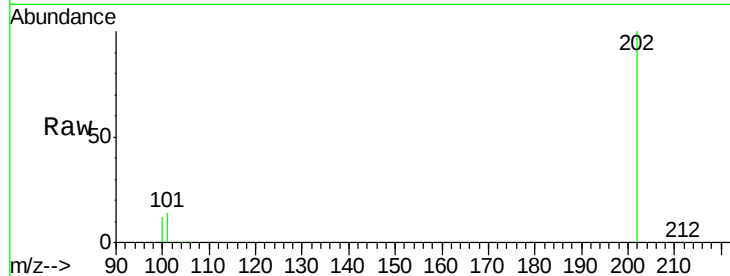
#17
Pyrene
 Concen: 64.03 ng/ul
 RT: 19.70 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BE094342.D
 Acq: 14 Oct 2017 2:45

Instrument :
 BNA_E
 ClientSampleId :
 B-42(7-9)-100217

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	18.2	27.4#
100	12.0	15.6	23.4#

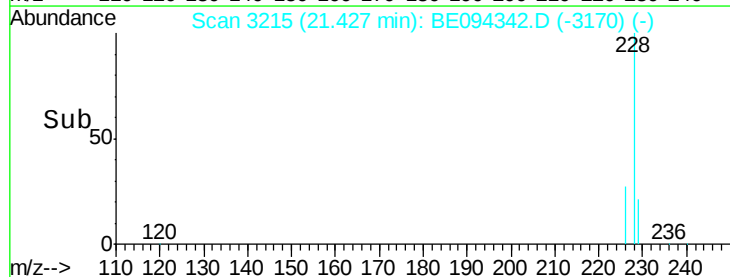
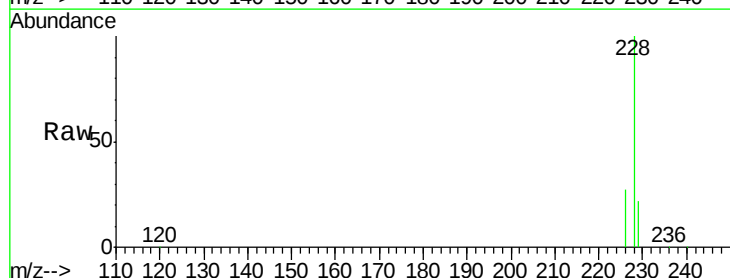
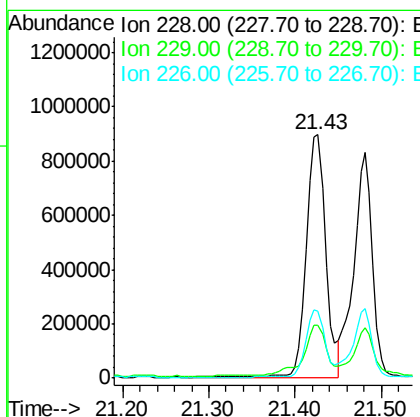
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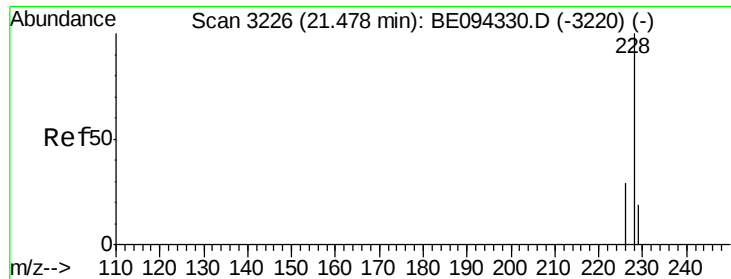
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#18
Benzo(a)anthracene
 Concen: 44.24 ng/ul
 RT: 21.43 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: BE094342.D
 Acq: 14 Oct 2017 2:45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	22.8	34.2#
226	27.4	17.0	25.6#





#19

Chrysene

Concen: 34.88 ng/ul

RT: 21.48 min Scan# 3227

Delta R.T. 0.00 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

Instrument :

BNA_E

ClientSampleId :

B-42(7-9)-100217

Tgt Ion:228 Resp: 1241671

Ion Ratio Lower Upper

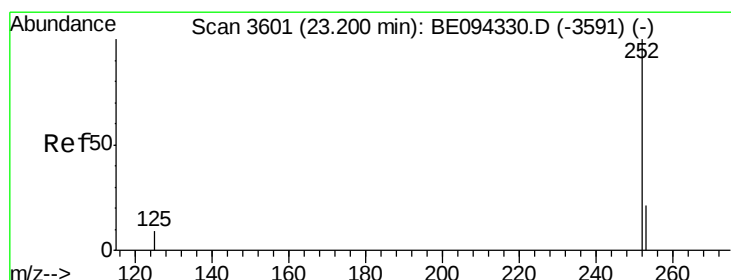
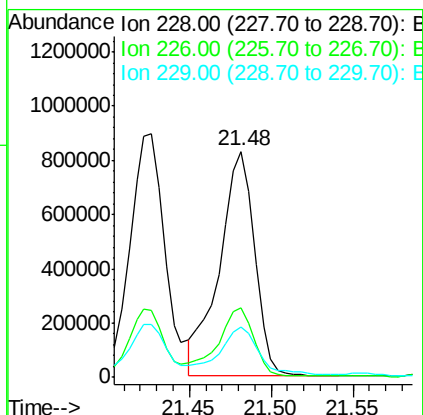
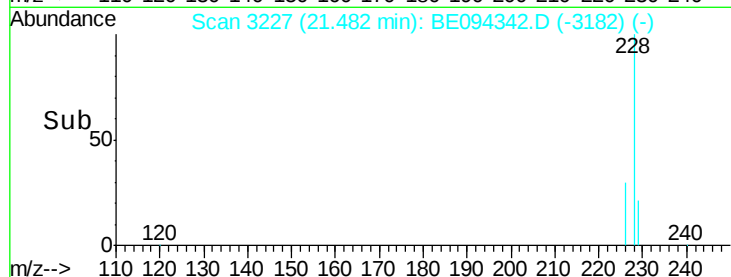
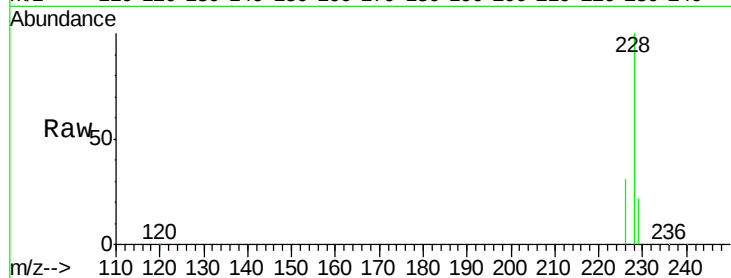
228 100

226 30.6 23.4 35.0

229 22.2 17.7 26.5

Manual Integrations
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#21

Benzo(b)fluoranthene

Concen: 34.75 ng/ul

RT: 23.21 min Scan# 3603

Delta R.T. 0.01 min

Lab File: BE094342.D

Acq: 14 Oct 2017 2:45

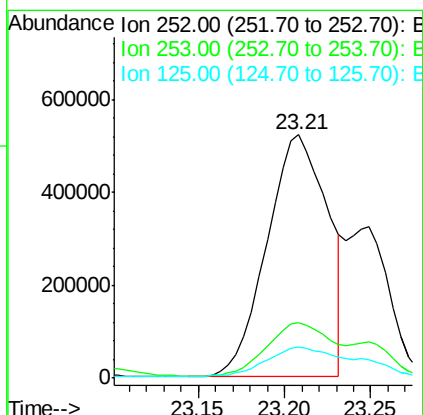
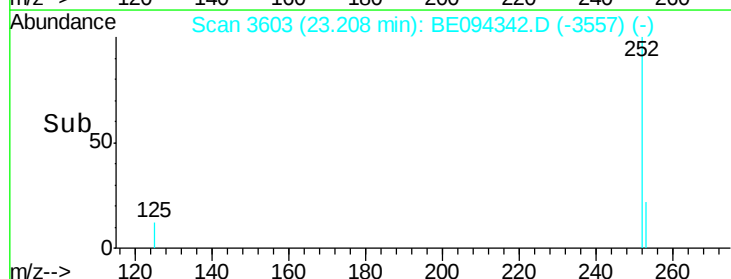
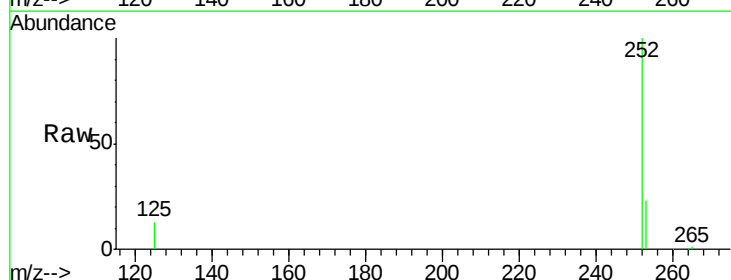
Tgt Ion:252 Resp: 1271505

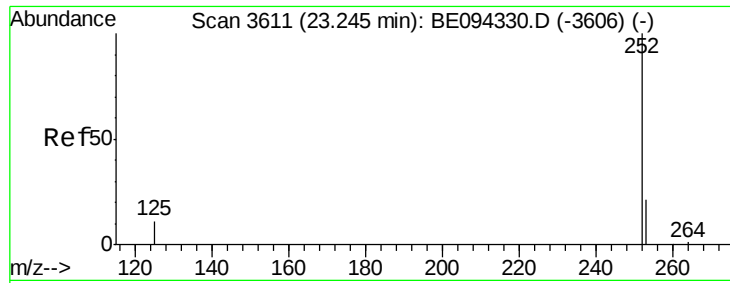
Ion Ratio Lower Upper

252 100

253 23.0 0.0 64.2

125 12.6 0.0 35.0





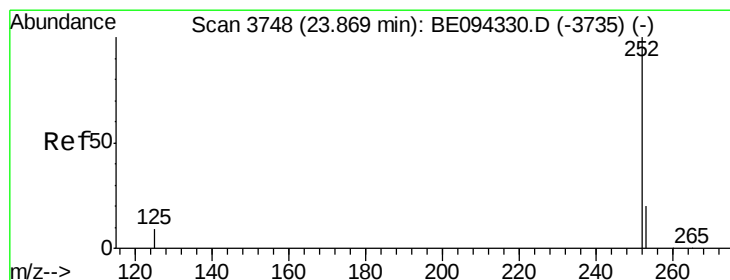
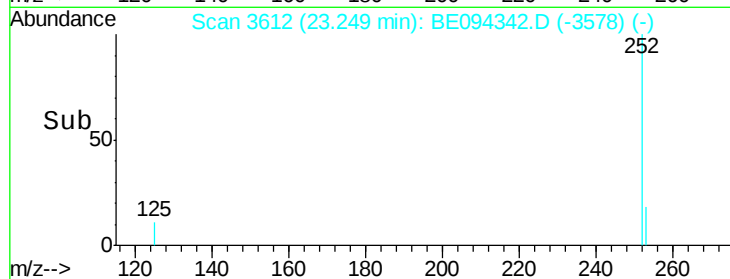
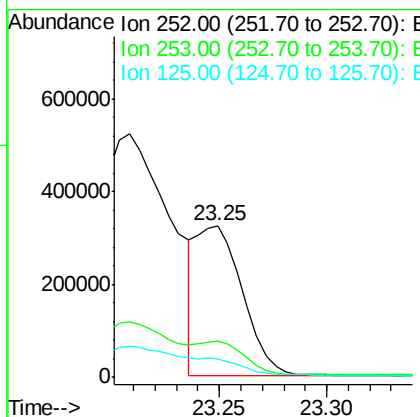
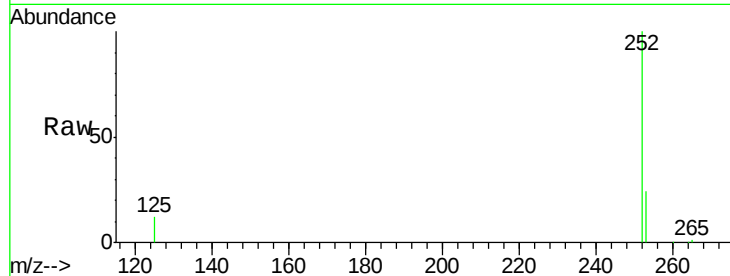
#22
Benzo(k)fluoranthene
Concen: 11.35 ng/ul m
RT: 23.25 min Scan# 3612
Delta R.T. 0.00 min
Lab File: BE094342.D
Acq: 14 Oct 2017 2:45

Instrument :
BNA_E
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B-42(7-9)-100217

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	24.5	36.7#
125	12.3	13.7	20.5#

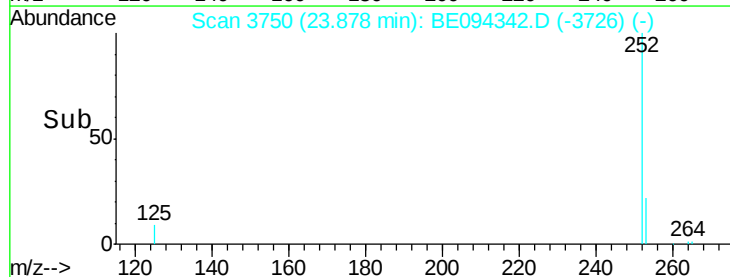
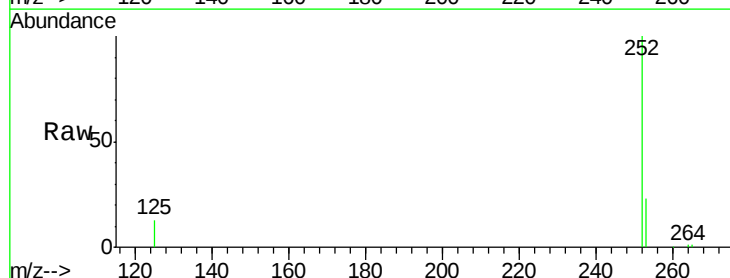
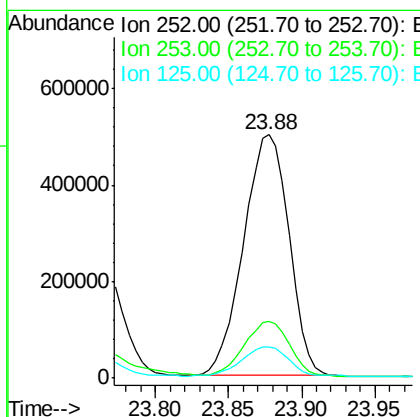
Manual Integrations
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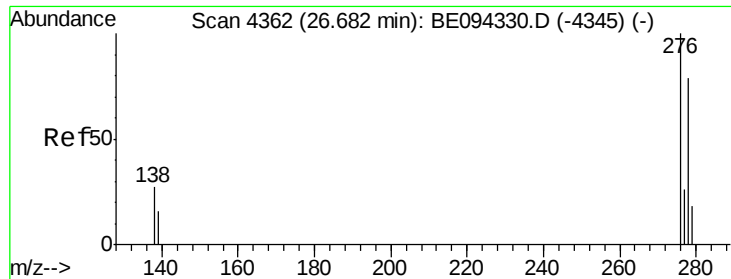
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#23
Benzo(a)pyrene
Concen: 28.32 ng/ul m
RT: 23.88 min Scan# 3750
Delta R.T. 0.01 min
Lab File: BE094342.D
Acq: 14 Oct 2017 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	28.5	42.7#
125	12.8	18.1	27.1#





#24

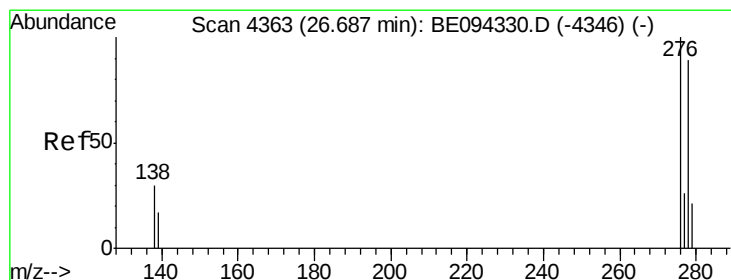
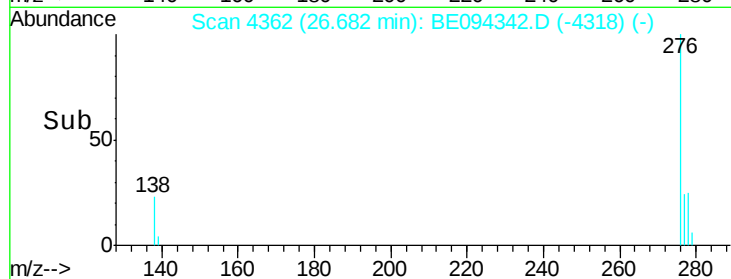
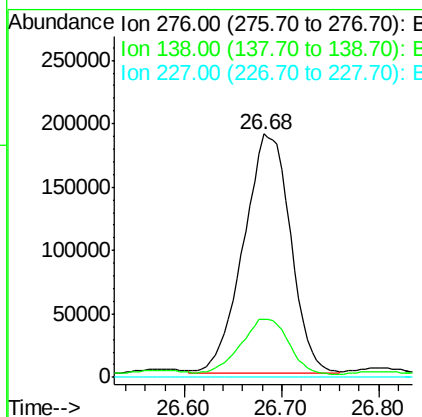
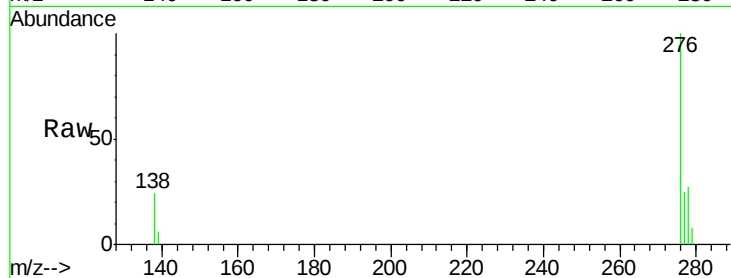
Indeno(1,2,3-cd)pyrene
Concen: 16.19 ng/ul m
RT: 26.68 min Scan# 4362
Delta R.T. -0.00 min
Lab File: BE094342.D
Acq: 14 Oct 2017 2:45

Instrument :
BNA_E
ClientSampleId :
B-42(7-9)-100217

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	0.8	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
APPROVED

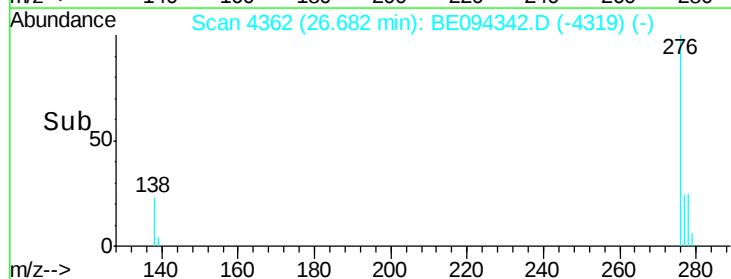
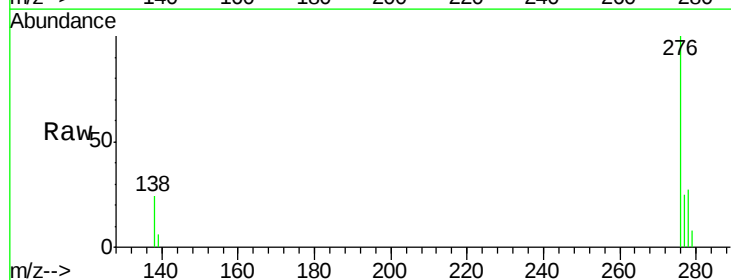
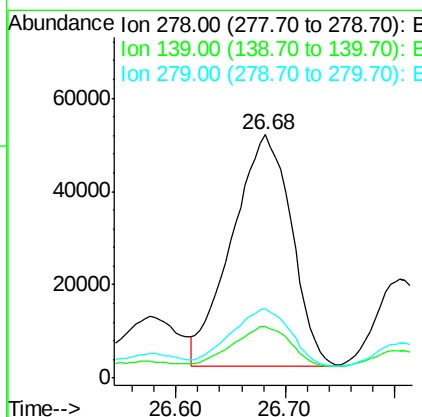
Sohil
10/16/2017 8:23:12 PM

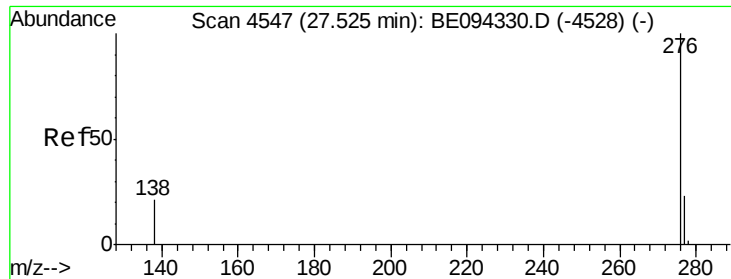


#25

Dibenzo(a,h)anthracene
Concen: 5.74 ng/ul m
RT: 26.68 min Scan# 4362
Delta R.T. -0.01 min
Lab File: BE094342.D
Acq: 14 Oct 2017 2:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	21.0	17.4	26.0
279	28.4	25.9	38.9





#26
 Benzo(g,h,i)perylene
 Concen: 15.33 ng/ul m
 RT: 27.53 min Scan# 4549
 Delta R.T. 0.01 min
 Lab File: BE094342.D
 Acq: 14 Oct 2017 2:45

Instrument :
 BNA_E
 ClientSampleId :
 B-42(7-9)-100217

Tgt	Ion	276	Resp:	514255
Ion	Ratio	Lower	Upper	
276	100			
138	24.2	21.8	32.8	
277	25.7	20.5	30.7	

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:23:12 PM

