

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
 Data File : BE094332.D
 Acq On : 13 Oct 2017 20:35
 Operator : SJ/JU
 Sample : I5568-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-51(5-7)-092817DL

Manual Integrations
 APPROVED

Sohil
 10/16/2017 8:22:55 PM

Quant Time: Oct 14 04:14:20 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	1493	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	7561	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	4229	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	9042	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8941	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8595	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	690	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	1553	0.05	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.76	128	27553	1.49	ng/ul#	95
5) 2-Methylnaphthalene	12.36	142	8693	0.72	ng/ul	99
7) Acenaphthylene	14.26	152	8564	0.52	ng/ul	98
8) Acenaphthene	14.60	153	1844	0.14	ng/ul	98
9) Fluorene	15.58	166	2202	0.14	ng/ul	92
12) Phenanthrene	17.31	178	46818	1.98	ng/ul#	92
13) Anthracene	17.40	178	16582	0.72	ng/ul#	91
15) Fluoranthene	19.32	202	127012	4.09	ng/ul	84
17) Pyrene	19.69	202	161204	6.48	ng/ul#	80
18) Benzo(a)anthracene	21.42	228	72726	3.07	ng/ul#	88
19) Chrysene	21.47	228	69258	2.53	ng/ul	95
21) Benzo(b)fluoranthene	23.20	252	69643m	2.98	ng/ul	
22) Benzo(k)fluoranthene	23.24	252	25147m	0.93	ng/ul	
23) Benzo(a)pyrene	23.86	252	55999	2.31	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.66	276	30014	1.21	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.66	278	8931	0.43	ng/ul#	54
26) Benzo(g,h,i)perylene	27.50	276	25116	1.17	ng/ul#	89

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

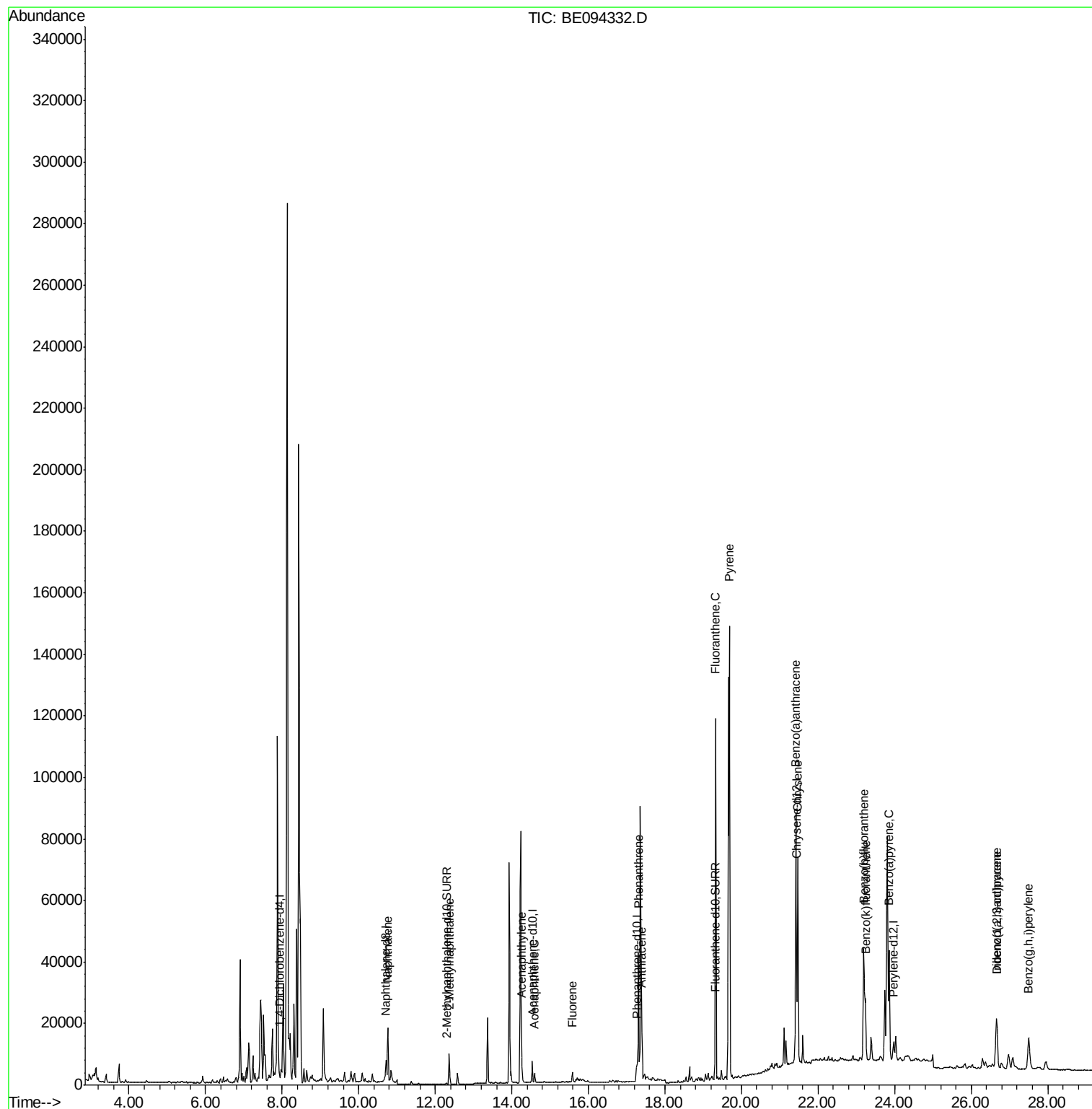
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
Data File : BE094332.D
Acq On : 13 Oct 2017 20:35
Operator : SJ/JU
Sample : I5568-03DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

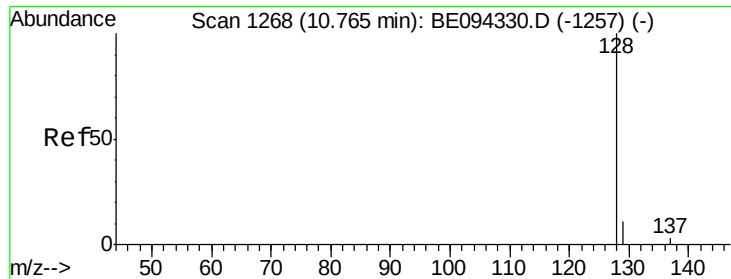
Instrument :
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B-51(5-7)-092817DL

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Quant Time: Oct 14 04:14:20 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
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QLast Update : Sat Oct 14 03:57:24 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.49 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

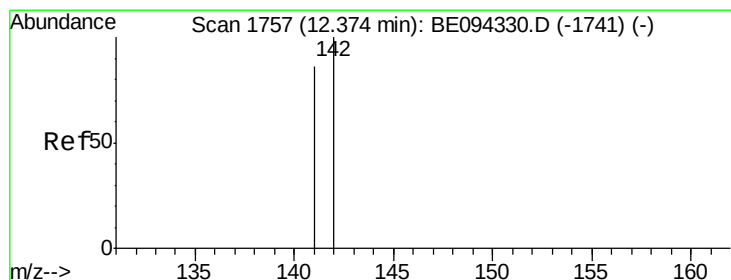
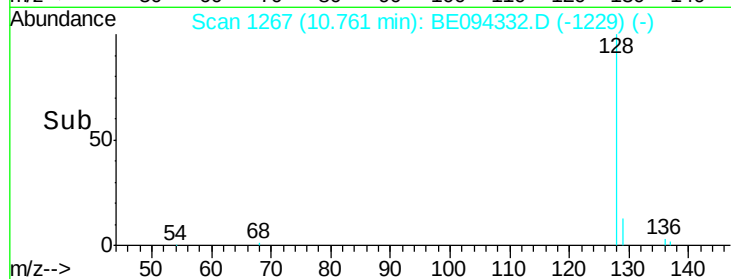
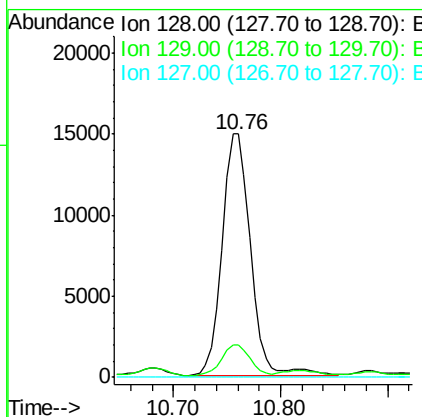
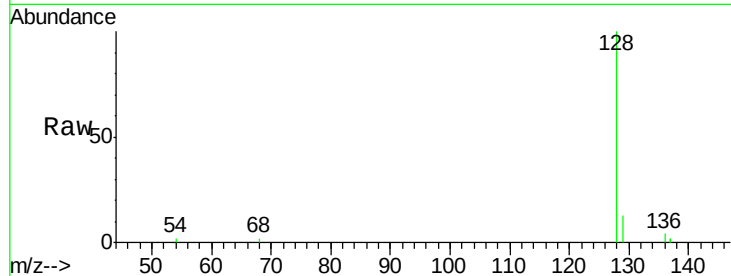
ClientSampleId :

B-51(5-7)-092817DL

Tgt Ion:	128	Resp:	27553
Ion Ratio	Lower	Upper	
128	100		
129	13.4	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.72 ng/ul

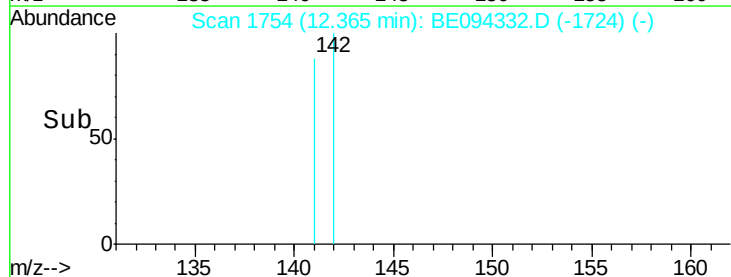
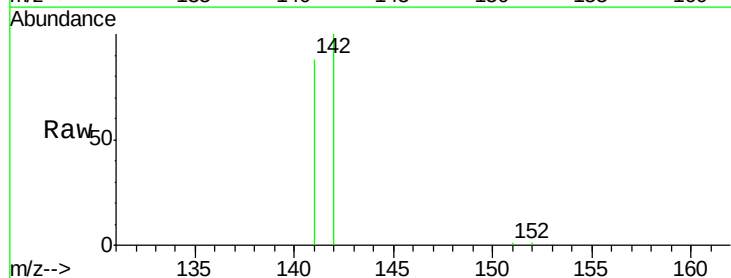
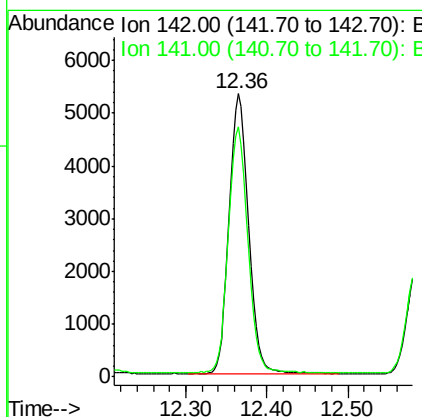
RT: 12.36 min Scan# 1754

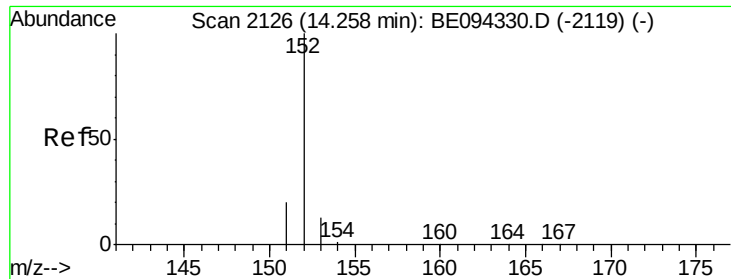
Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	142	Resp:	8693
Ion Ratio	Lower	Upper	
142	100		
141	89.8	72.6	108.8





#7

Acenaphthylene

Concen: 0.52 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

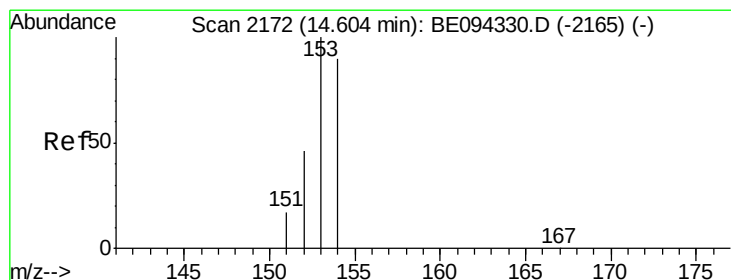
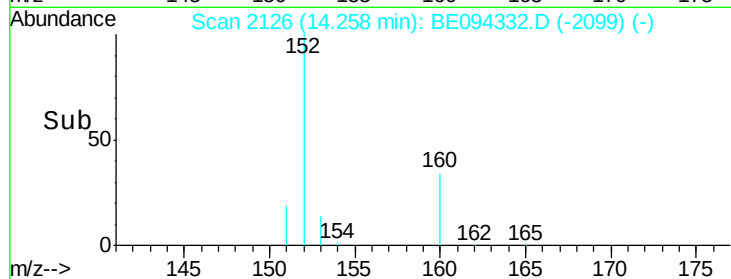
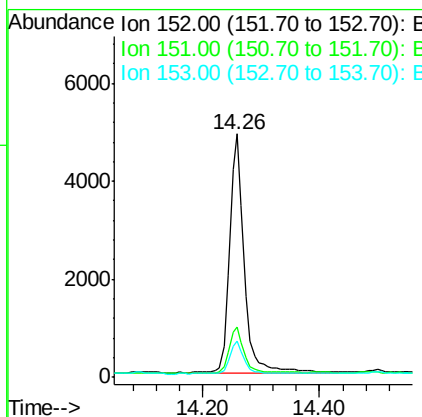
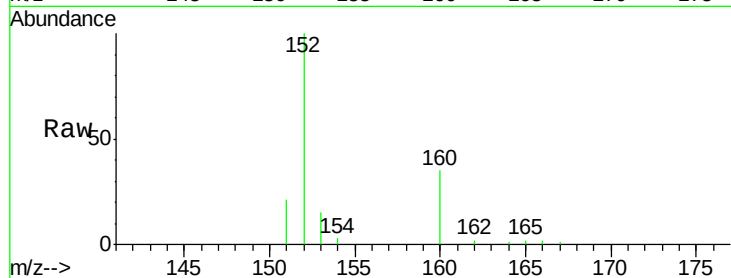
ClientSampleId :

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Tgt Ion:	152	Resp:	8564
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.1	25.7
153	15.0	12.8	19.2

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#8

Acenaphthene

Concen: 0.14 ng/ul

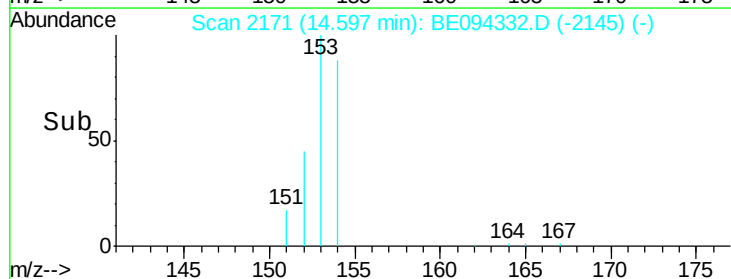
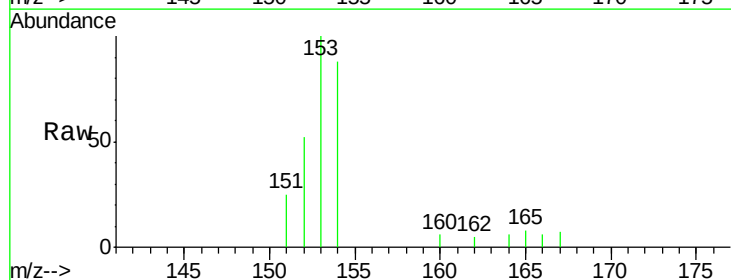
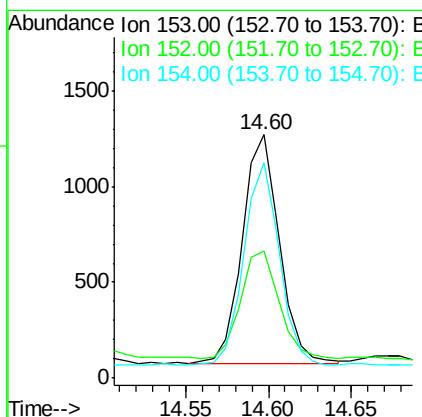
RT: 14.60 min Scan# 2171

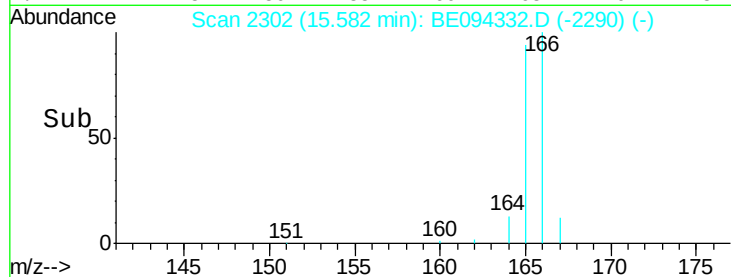
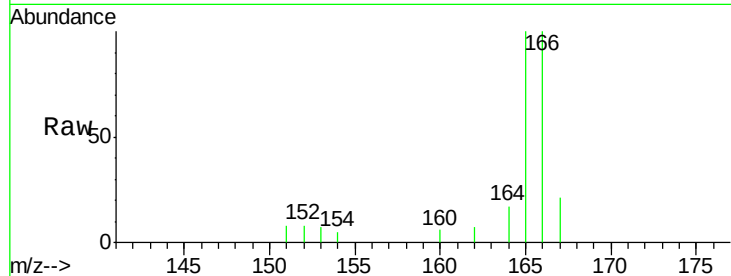
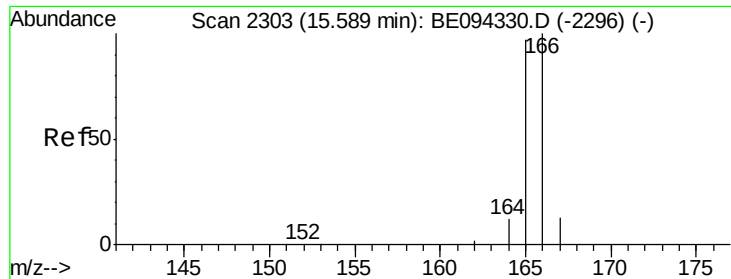
Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	153	Resp:	1844
Ion Ratio	Lower	Upper	
153	100		
152	52.2	40.3	60.5
154	88.4	71.4	107.2





#9

Fluorene

Concen: 0.14 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

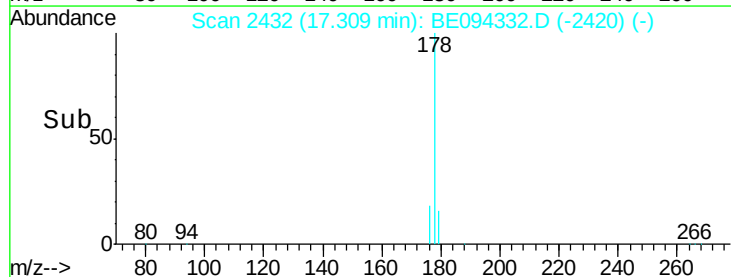
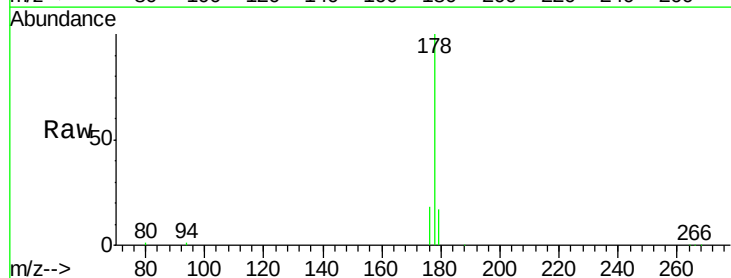
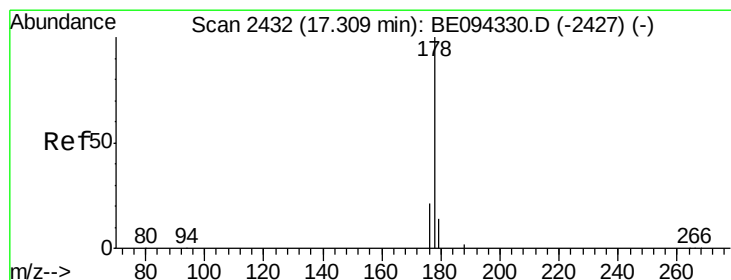
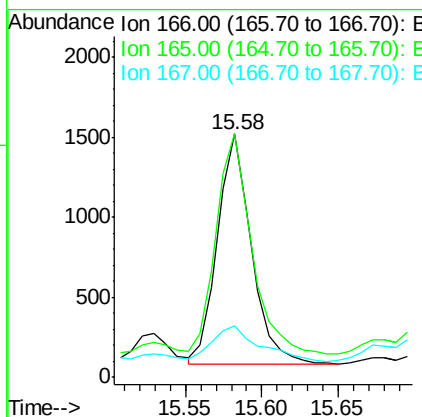
ClientSampleId :

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Tgt Ion:	166	Resp:	2202
Ion Ratio	Lower	Upper	
166	100		
165	100.1	73.4	110.2
167	21.2	14.6	22.0

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#12

Phenanthrene

Concen: 1.98 ng/ul

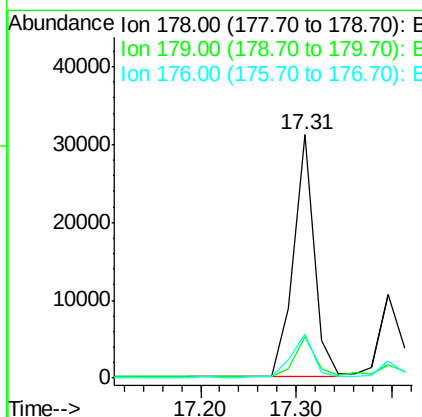
RT: 17.31 min Scan# 2432

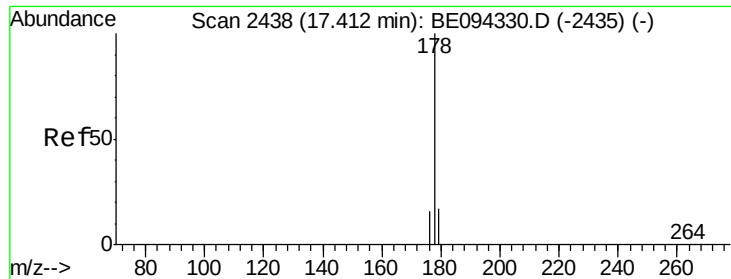
Delta R.T. 0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	178	Resp:	46818
Ion Ratio	Lower	Upper	
178	100		
179	16.8	18.4	27.6#
176	17.9	13.6	20.4





#13

Anthracene

Concen: 0.72 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

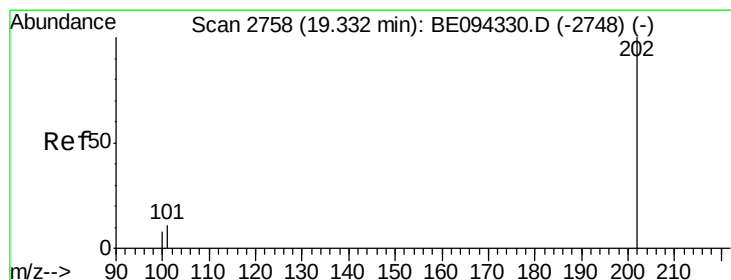
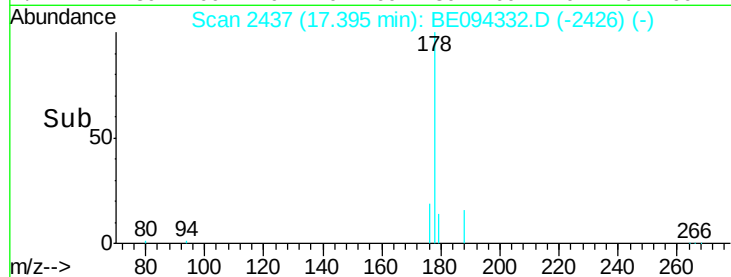
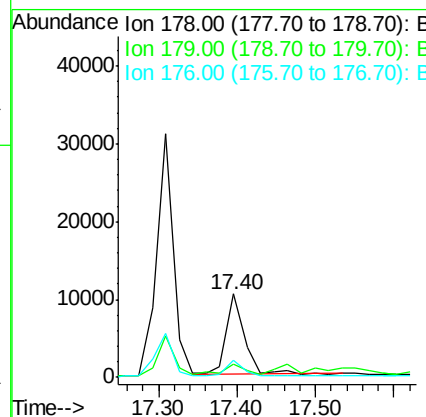
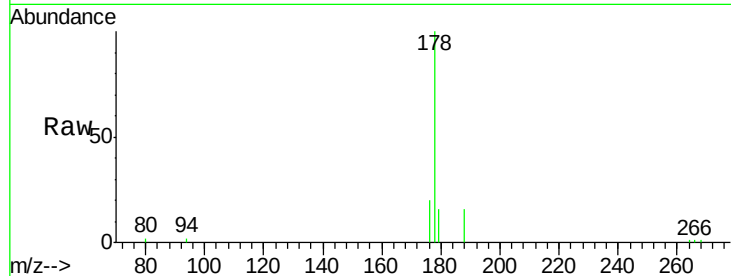
ClientSampleId :

B-51(5-7)-092817DL

Tgt Ion:	178	Resp:	16582
Ion Ratio	Lower	Upper	
178	100		
179	16.1	18.1	27.1#
176	20.2	14.7	22.1

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#15

Fluoranthene

Concen: 4.09 ng/ul

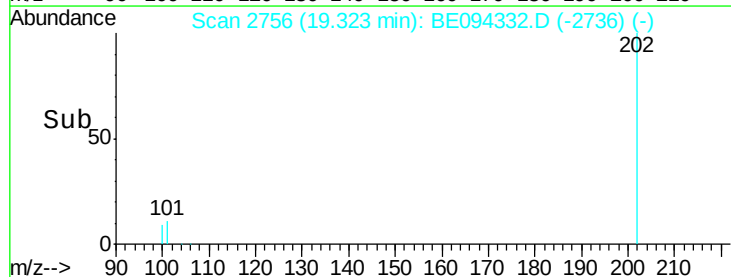
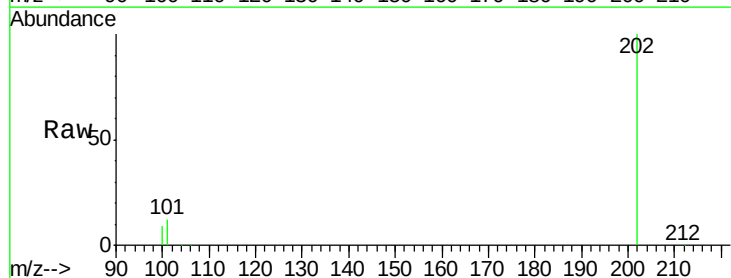
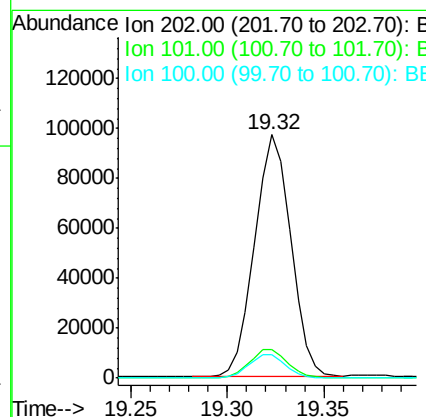
RT: 19.32 min Scan# 2756

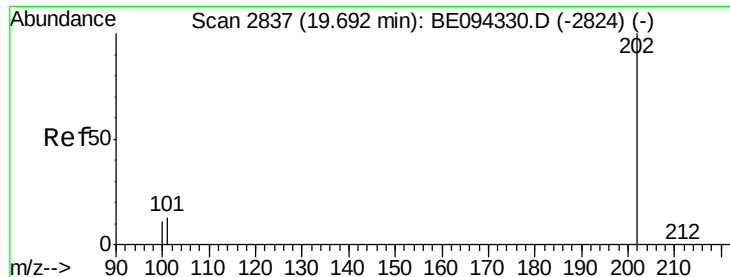
Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	202	Resp:	127012
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	30.3
100	9.5	0.0	39.5





#17

Pyrene

Concen: 6.48 ng/ul

RT: 19.69 min Scan# 2836

Delta R.T. -0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

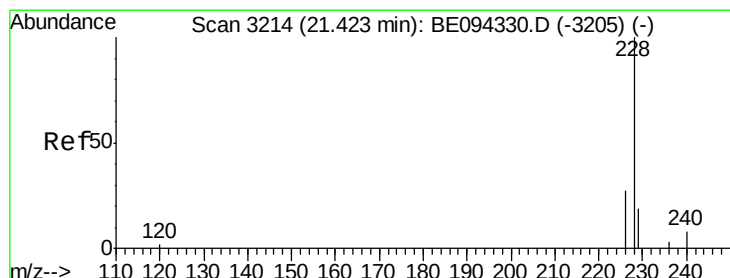
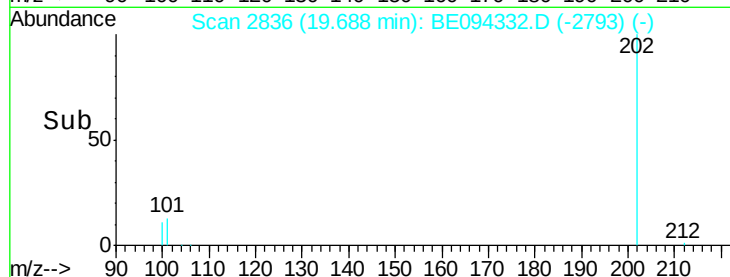
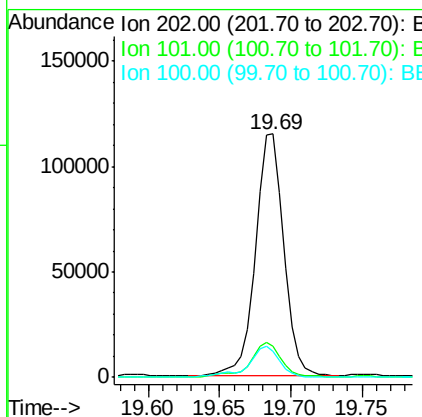
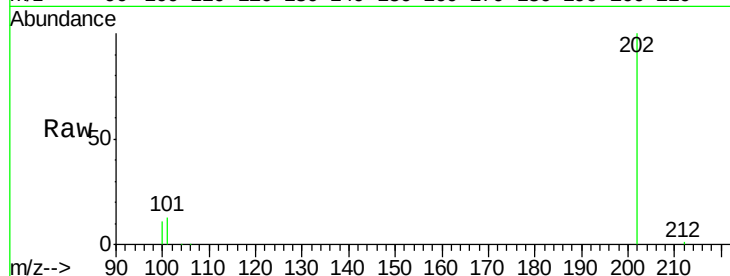
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Tgt Ion:	202	Resp:	161204
Ion Ratio	Lower	Upper	
202	100		
101	12.8	18.2	27.4#
100	10.7	15.6	23.4#

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#18

Benzo(a)anthracene

Concen: 3.07 ng/ul

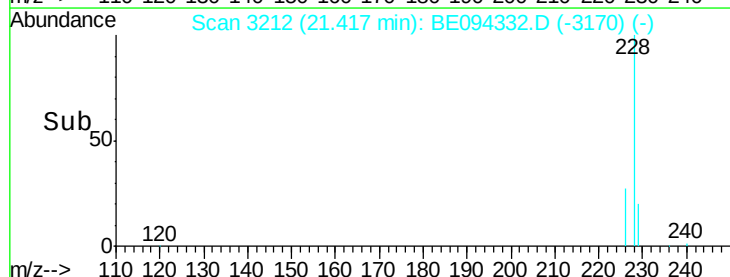
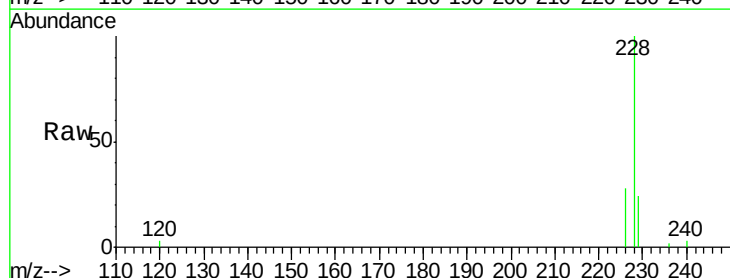
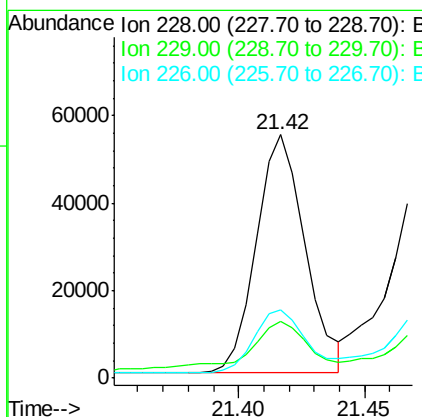
RT: 21.42 min Scan# 3212

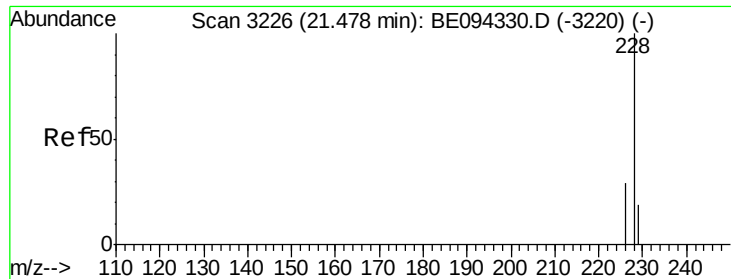
Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	228	Resp:	72726
Ion Ratio	Lower	Upper	
228	100		
229	23.5	22.8	34.2
226	28.3	17.0	25.6#





#19

Chrysene

Concen: 2.53 ng/ul

RT: 21.47 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

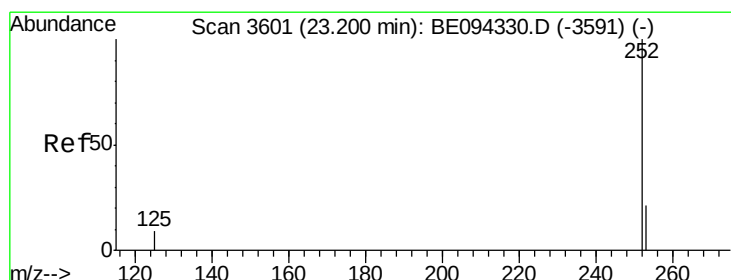
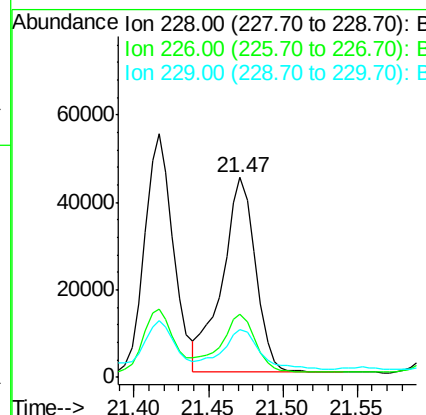
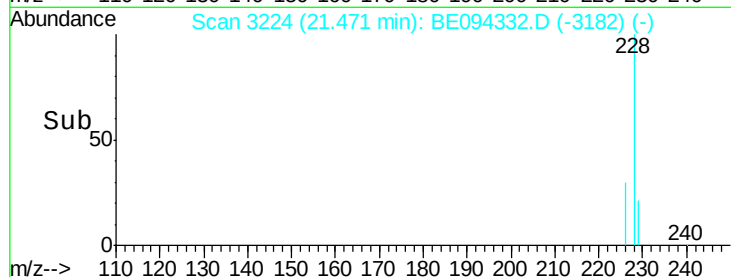
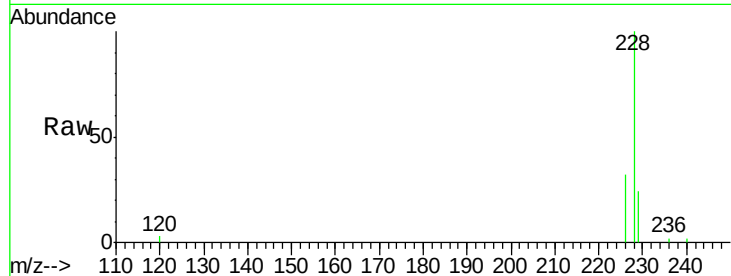
ClientSampleId :

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Tgt Ion:	228	Resp:	69258
Ion Ratio	Lower	Upper	
228	100		
226	31.9	23.4	35.0
229	24.1	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 2.98 ng/ul m

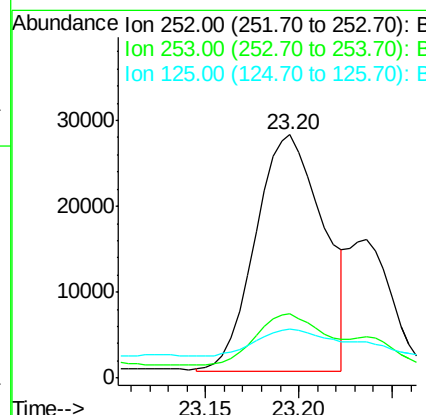
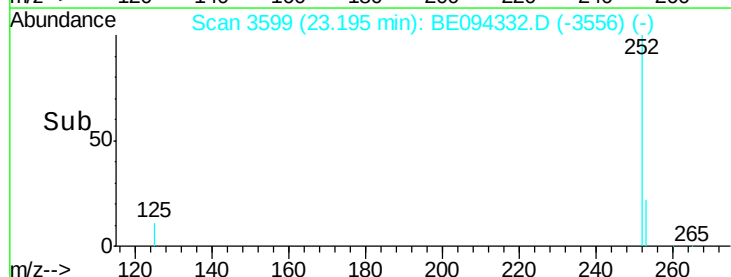
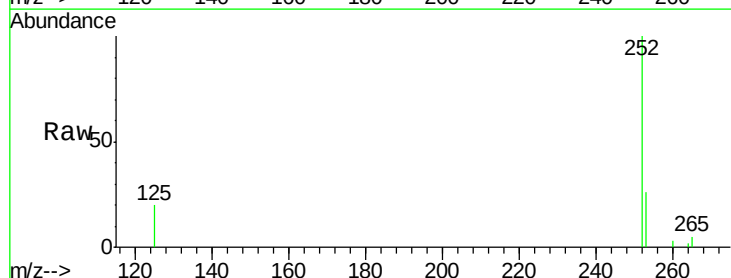
RT: 23.20 min Scan# 3599

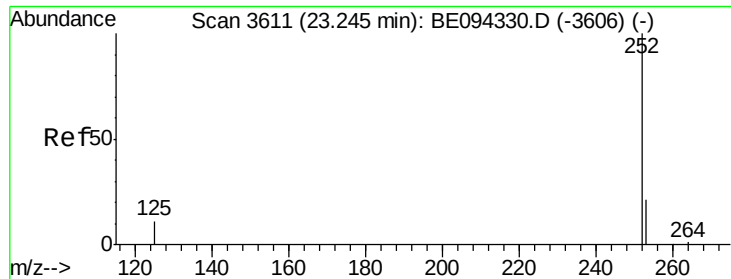
Delta R.T. -0.00 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	252	Resp:	69643
Ion Ratio	Lower	Upper	
252	100		
253	26.2	0.0	64.2
125	20.2	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.93 ng/ul m

RT: 23.24 min Scan# 3608

Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Instrument :

BNA_E

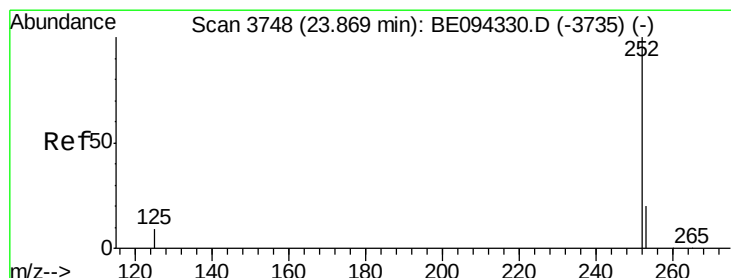
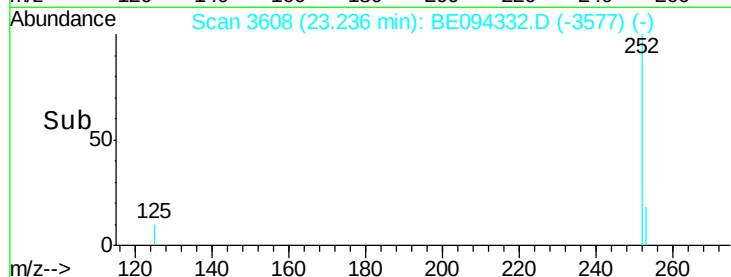
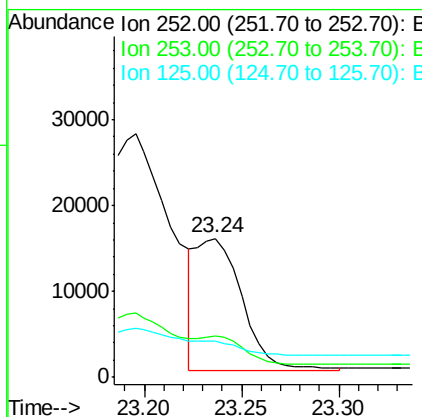
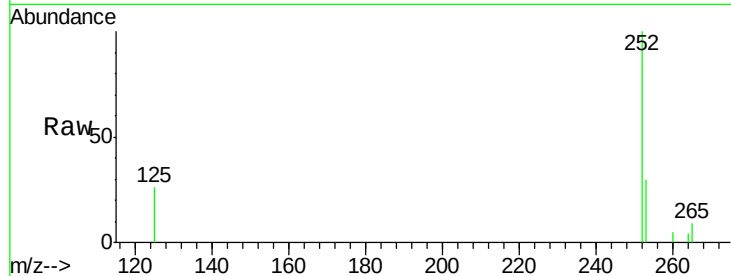
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Tgt Ion:	252	Resp:	25147
Ion Ratio	Lower	Upper	
252	100		
253	30.0	24.5	36.7
125	25.8	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 2.31 ng/ul

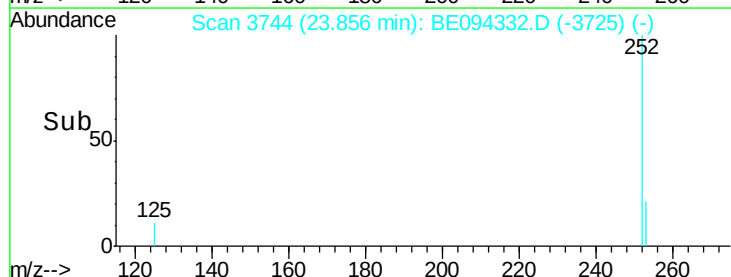
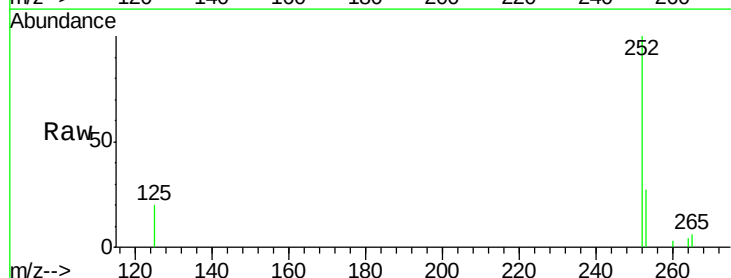
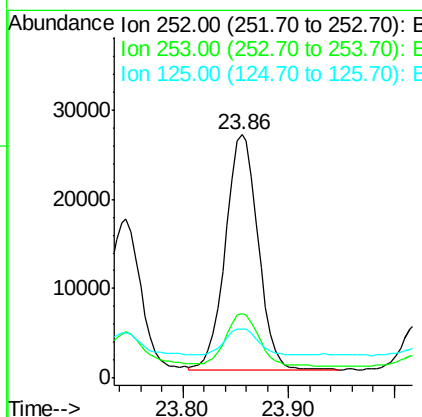
RT: 23.86 min Scan# 3744

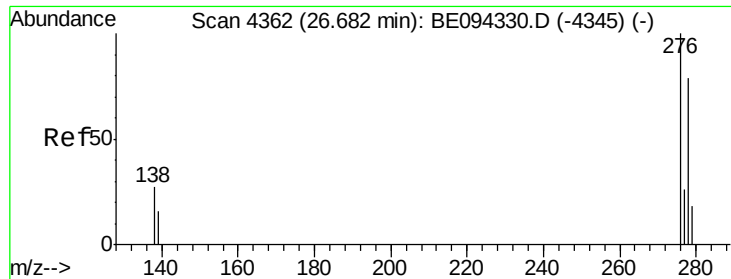
Delta R.T. -0.01 min

Lab File: BE094332.D

Acq: 13 Oct 2017 20:35

Tgt Ion:	252	Resp:	55999
Ion Ratio	Lower	Upper	
252	100		
253	26.7	28.5	42.7#
125	20.3	18.1	27.1





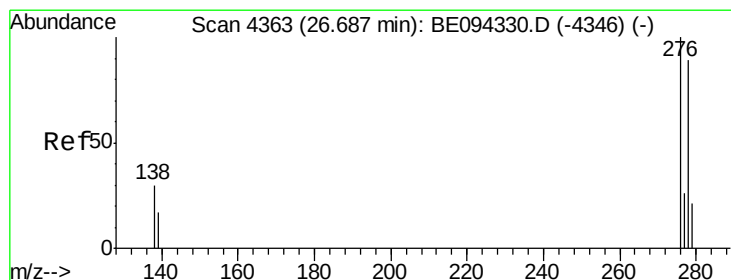
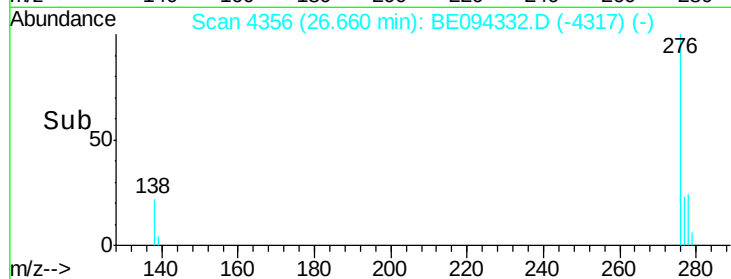
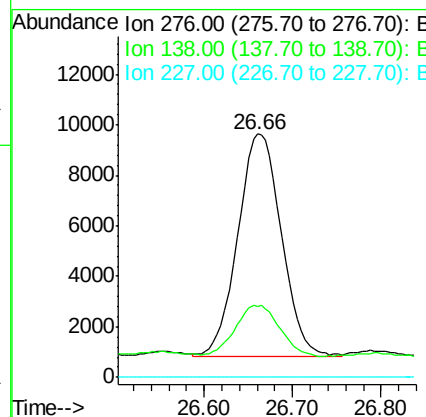
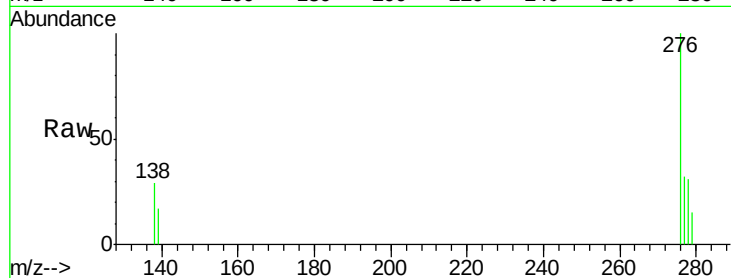
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.21 ng/ul
 RT: 26.66 min Scan# 4356
 Delta R.T. -0.02 min
 Lab File: BE094332.D
 Acq: 13 Oct 2017 20:35

Instrument :
 BNA_E
 ClientSampleId :
 B-51(5-7)-092817DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	28.0	42.0#
227	0.0	8.0	12.0#

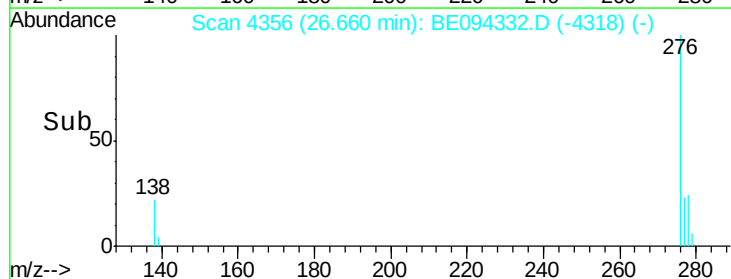
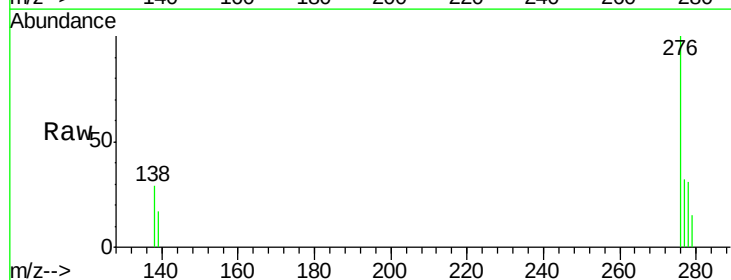
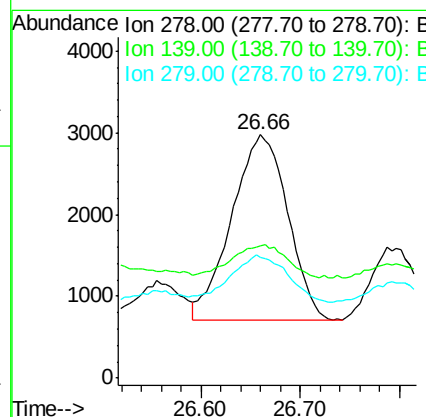
Manual Integrations
 APPROVED

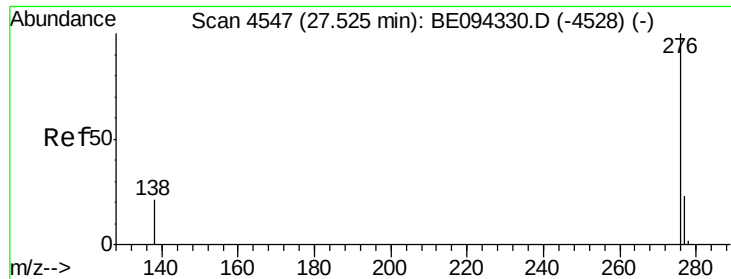
Sohil
 10/16/2017 8:22:55 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.43 ng/ul
 RT: 26.66 min Scan# 4356
 Delta R.T. -0.03 min
 Lab File: BE094332.D
 Acq: 13 Oct 2017 20:35

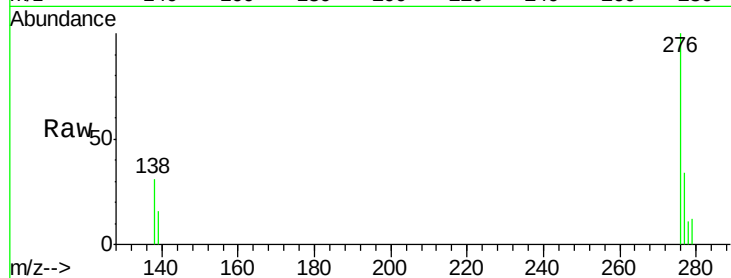
Tgt Ion	Ratio	Lower	Upper
278	100		
139	54.2	17.4	26.0#
279	49.6	25.9	38.9#





#26
Benzo(g,h,i)perylene
Concen: 1.17 ng/ul
RT: 27.50 min Scan# 4540
Delta R.T. -0.03 min
Lab File: BE094332.D
Acq: 13 Oct 2017 20:35

Instrument :
BNA_E
ClientSampleId :
B-51(5-7)-092817DL



Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	21.8	32.8
277	33.7	20.5	30.7

Manual Integrations
APPROVED

Sohil
10/16/2017 8:22:55 PM

