

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094234.D
 Acq On : 9 Oct 2017 23:17
 Operator : SJ/JU
 Sample : I5522-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC6

Manual Integrations
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Quant Time: Oct 10 11:12:02 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2466	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	12748	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7739	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	17087m	0.40	ng/ul	-0.04
16) Chrysene-d12	21.41	240	16914	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	14866m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5062	0.26	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	12347	0.22	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	4891	0.157	ng/ul#	94
5) 2-Methylnaphthalene	12.35	142	2598	0.128	ng/ul	98
7) Acenaphthylene	14.24	152	3418	0.113	ng/ul	96
8) Acenaphthene	14.57	153	5643	0.227	ng/ul	99
9) Fluorene	15.56	166	5989	0.206	ng/ul	95
12) Phenanthrene	17.29	178	146985	3.292	ng/ul#	92
13) Anthracene	17.38	178	35062	0.807	ng/ul#	92
15) Fluoranthene	19.30	202	343898	5.862	ng/ul	84
17) Pyrene	19.66	202	298697	6.347	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	160501	3.577	ng/ul#	87
19) Chrysene	21.45	228	151667	2.927	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	195939m	4.852	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	59782m	1.281	ng/ul	
23) Benzo(a)pyrene	23.81	252	131499m	3.134	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	84601m	1.971	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	22324m	0.620	ng/ul	
26) Benzo(a,h,i)perylene	27.39	276	66010m	1.783	ng/ul	

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

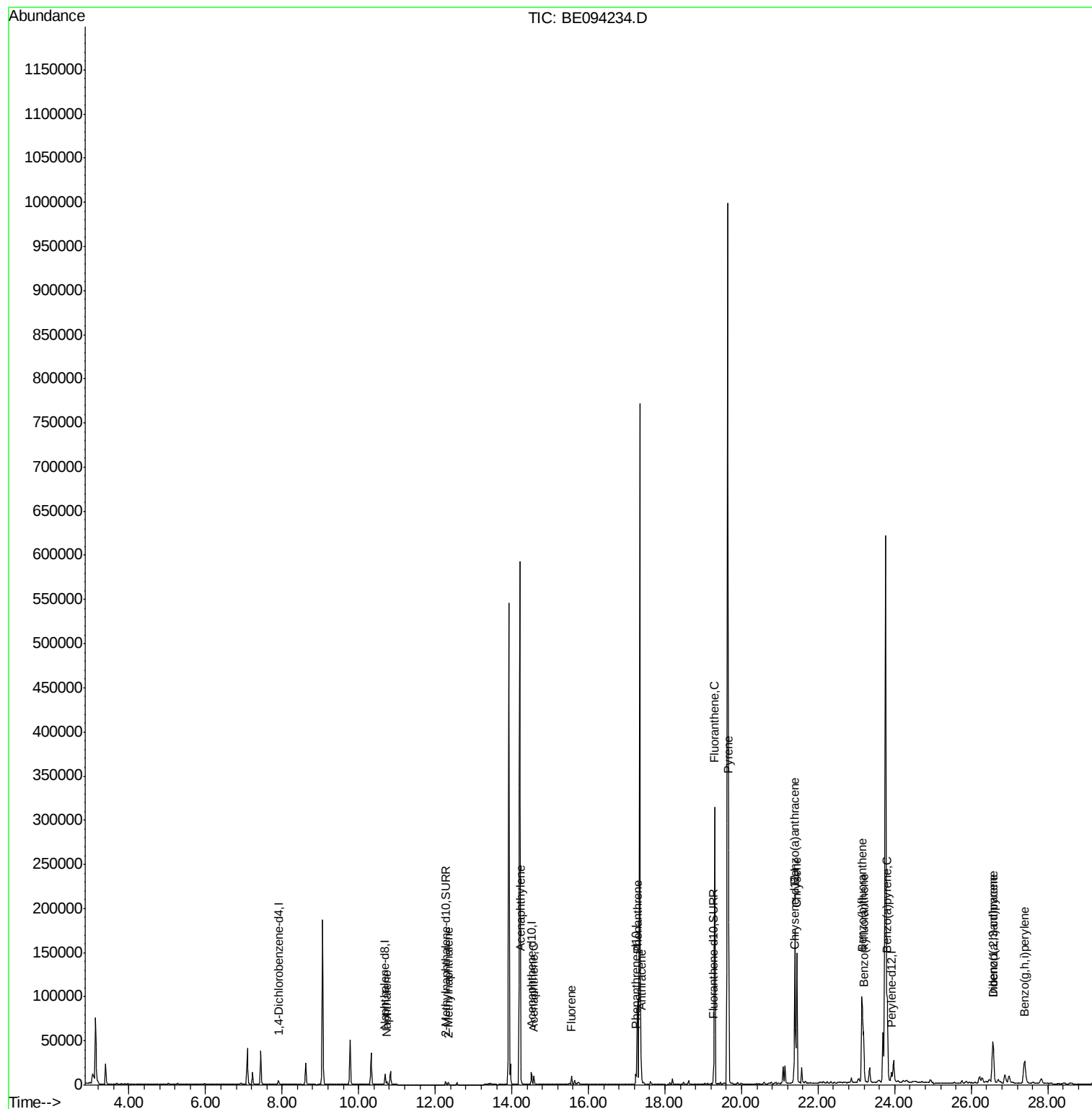
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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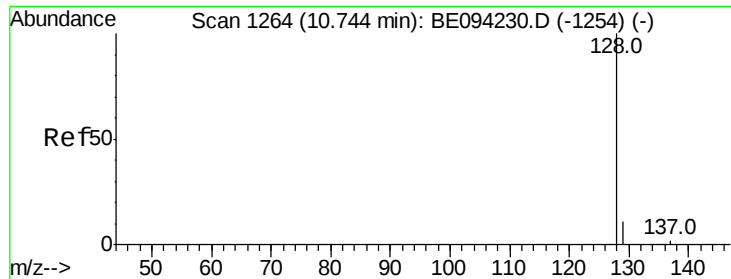
Instrument :
BNA_E
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 0.157 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Instrument :

BNA_E

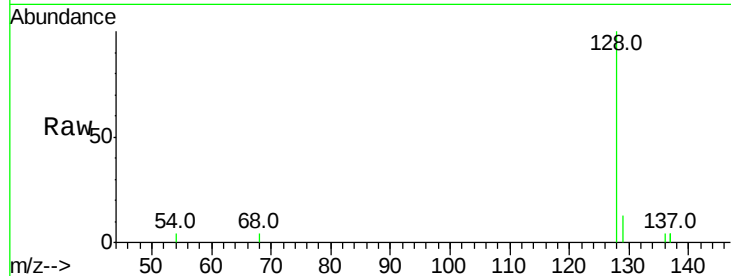
ClientSampleId :

C0AC6

Tot Ion:	128	Resp:	4891
Ion Ratio	Lower	Upper	
128	100		
129	13.2	11.3	16.9
127	0.0	4.0	6.0#

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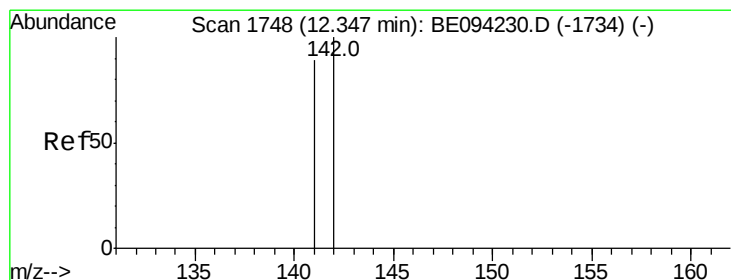
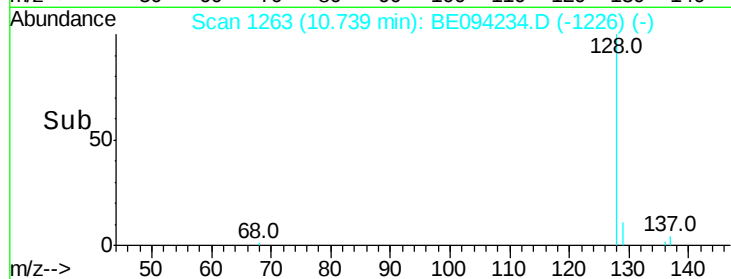
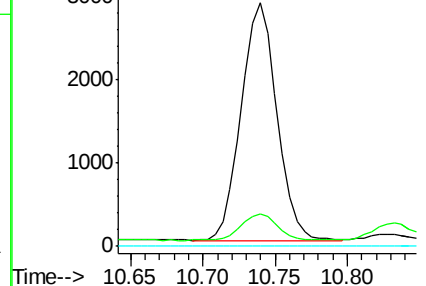
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.128 ng/ul

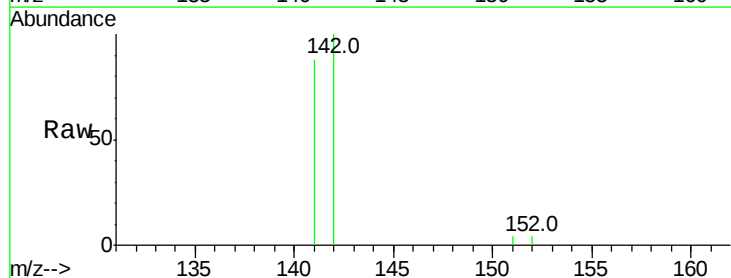
RT: 12.35 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BE094234.D

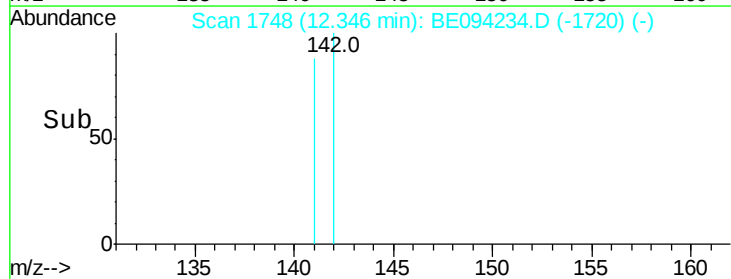
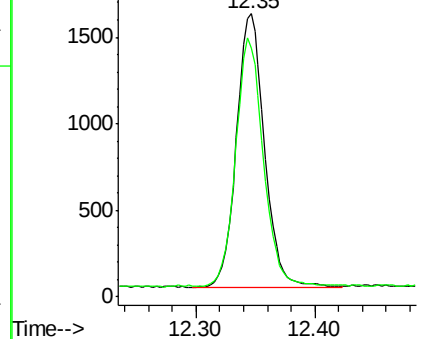
Acq: 9 Oct 2017 23:17

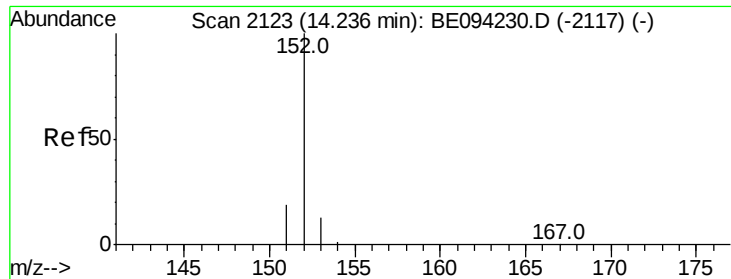
Tgt Ion:	142	Resp:	2598
Ion Ratio	Lower	Upper	
142	100		
141	89.3	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.113 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Instrument :

BNA_E

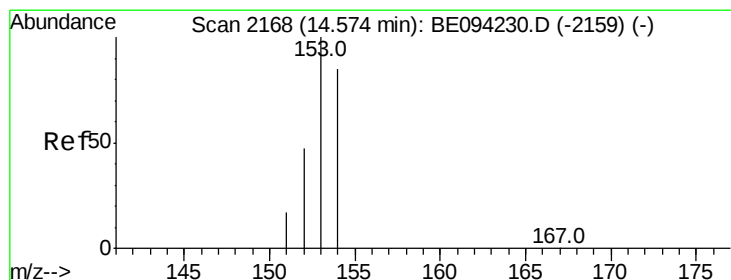
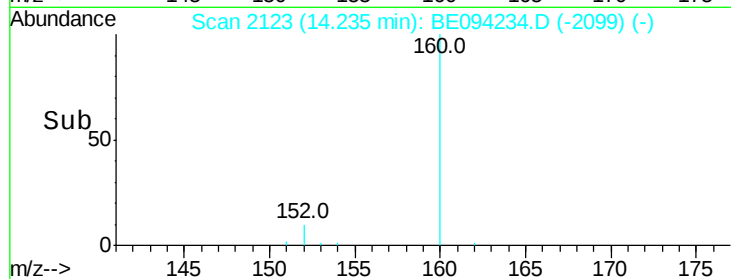
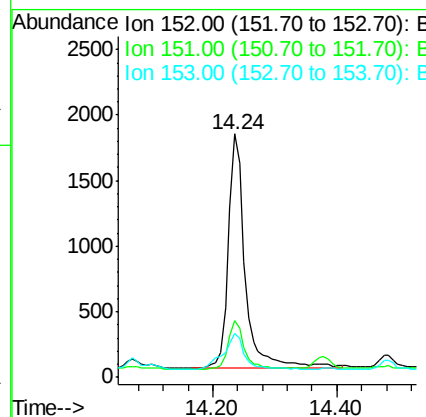
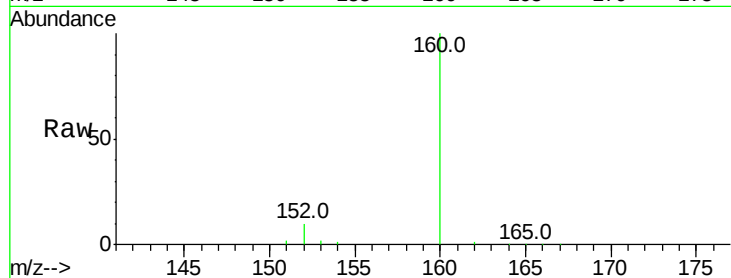
ClientSampled :

C0AC6

Tot Ion:	152	Resp:	3418
Ion Ratio	Lower	Upper	
152	100		
151	23.3	17.1	25.7
153	18.0	12.8	19.2

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#8

Acenaphthene

Concen: 0.227 ng/ul

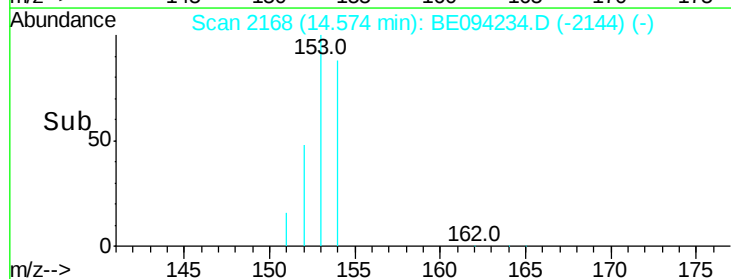
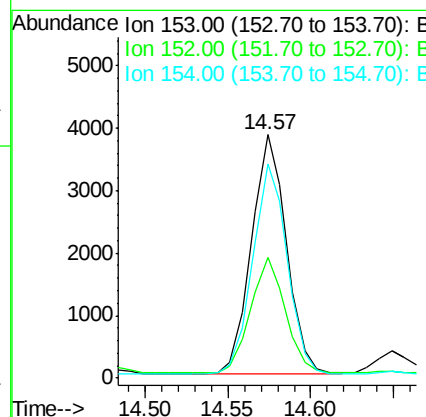
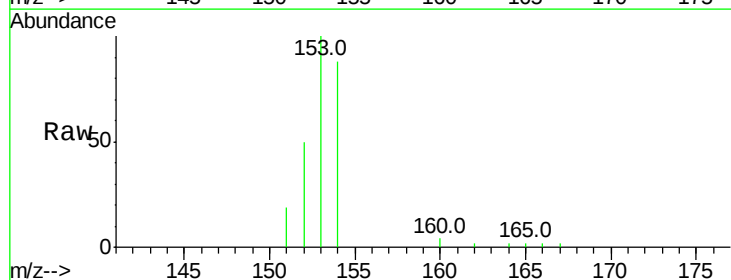
RT: 14.57 min Scan# 2168

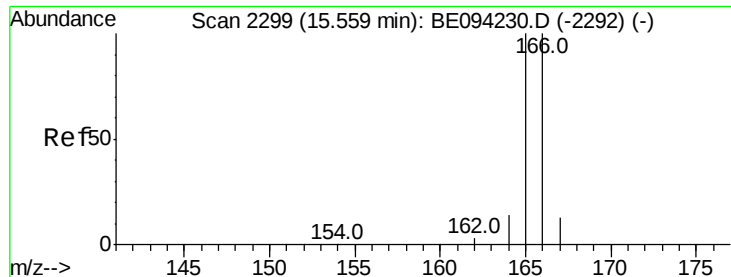
Delta R.T. -0.02 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Tgt Ion:	153	Resp:	5643
Ion Ratio	Lower	Upper	
153	100		
152	49.5	40.3	60.5
154	88.0	71.4	107.2





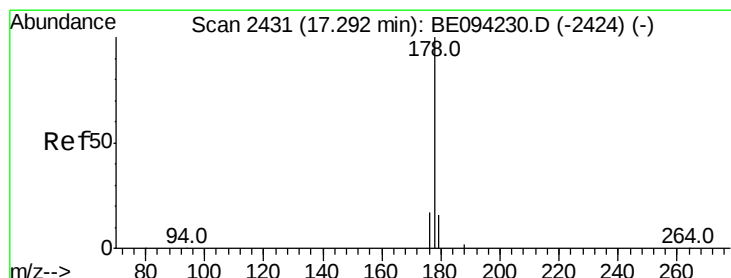
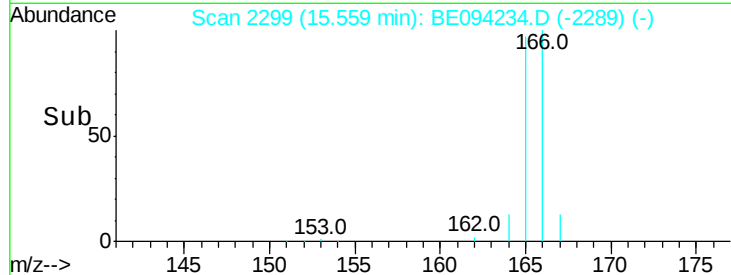
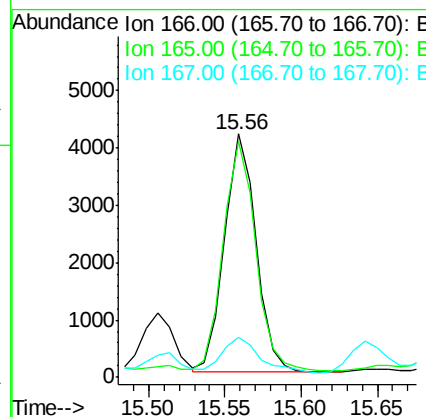
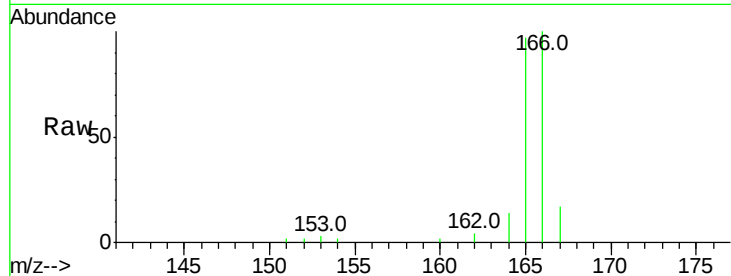
#9
Fluorene
 Concen: 0.206 ng/ul
 RT: 15.56 min Scan# 2299
 Delta R.T. -0.02 min
 Lab File: BE094234.D
 Acq: 9 Oct 2017 23:17

Instrument :
 BNA_E
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	73.4	110.2
167	16.6	14.6	22.0

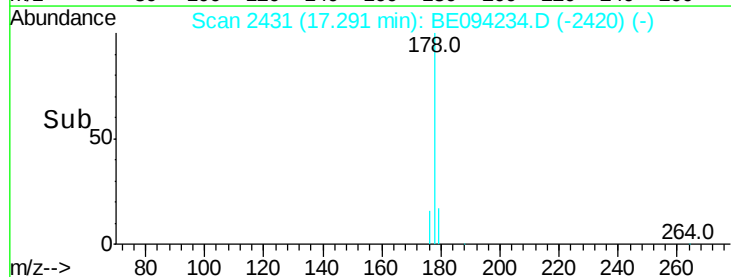
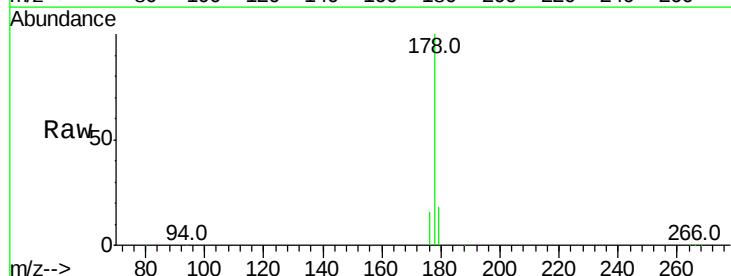
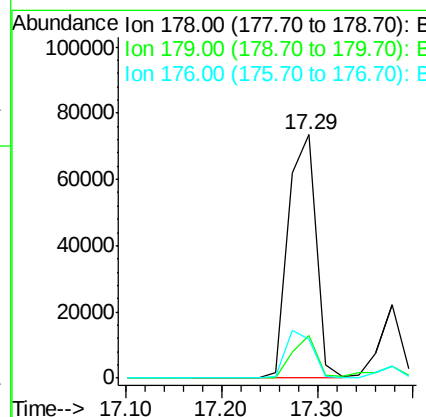
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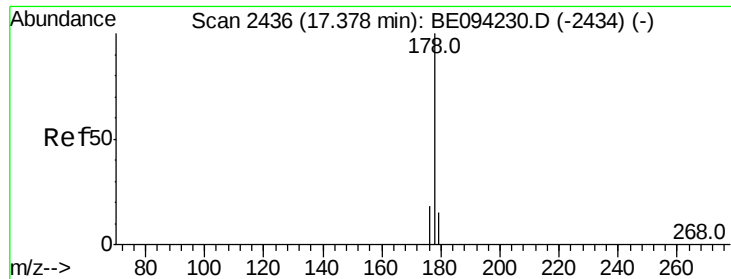
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#12
Phenanthrene
 Concen: 3.292 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. -0.02 min
 Lab File: BE094234.D
 Acq: 9 Oct 2017 23:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	18.4	27.6#
176	15.8	13.6	20.4





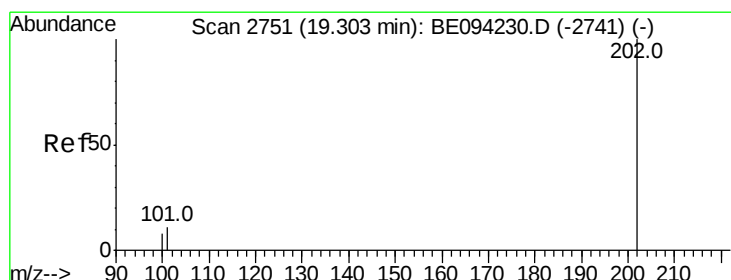
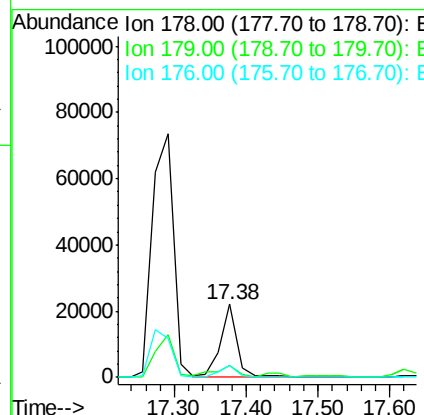
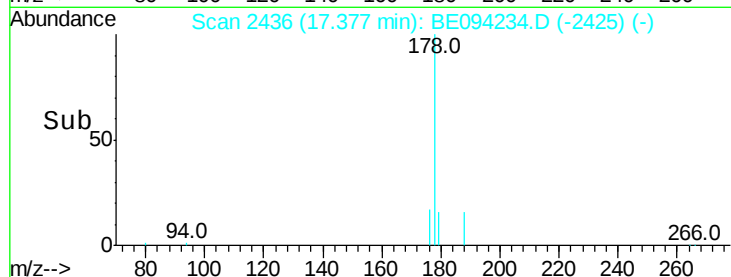
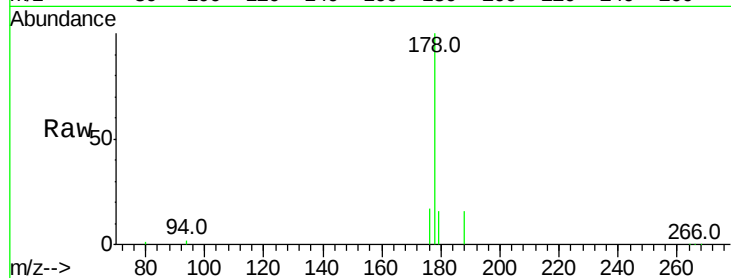
#13
 Anthracene
 Concen: 0.807 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094234.D
 Acq: 9 Oct 2017 23:17

Instrument :
 BNA_E
 ClientSampled :
 C0AC6

Tot Ion:178 Resp: 35062
 Ion Ratio Lower Upper
 178 100
 179 16.3 18.1 27.1#
 176 17.1 14.7 22.1

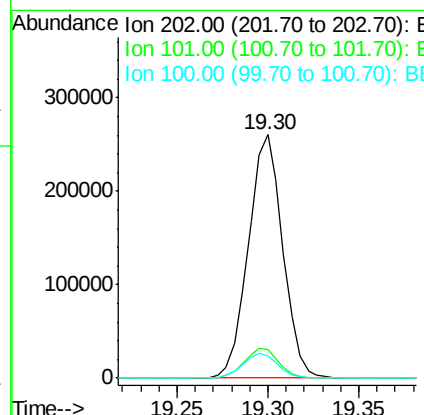
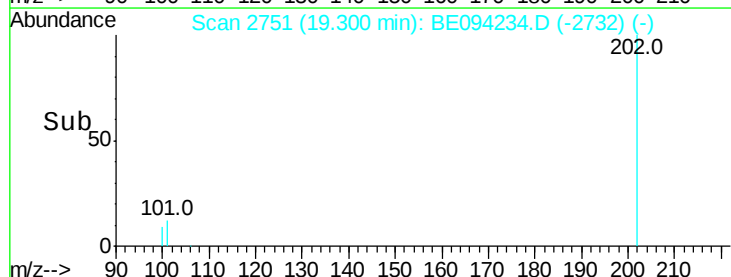
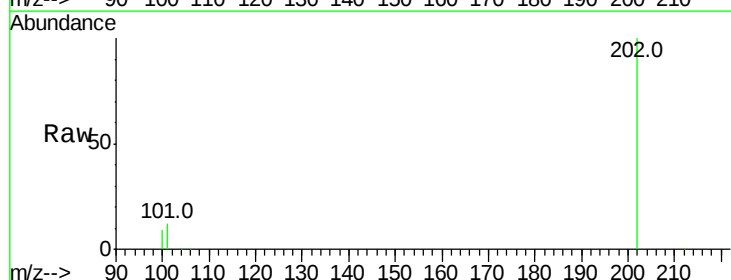
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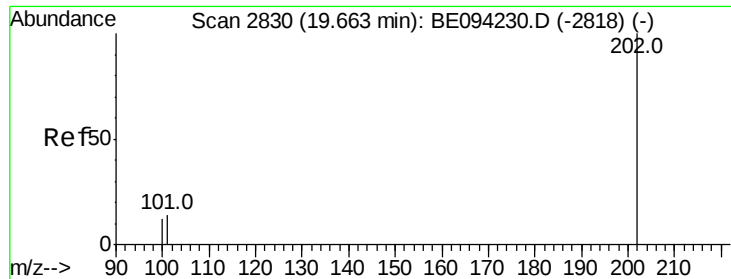
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#15
 Fluoranthene
 Concen: 5.862 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.01 min
 Lab File: BE094234.D
 Acq: 9 Oct 2017 23:17

Tgt Ion:202 Resp: 343898
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.3
 100 9.1 0.0 39.5





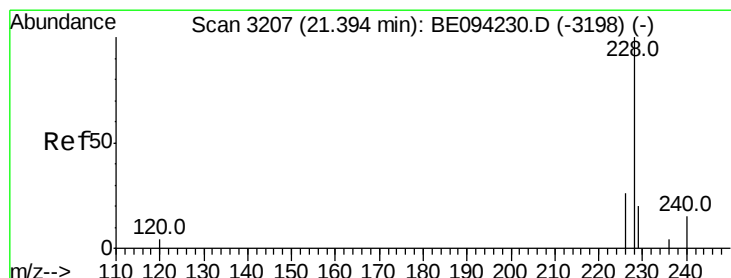
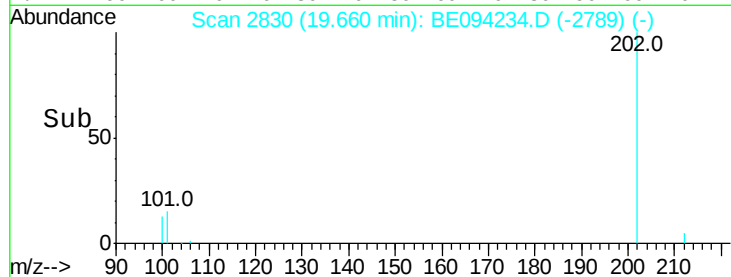
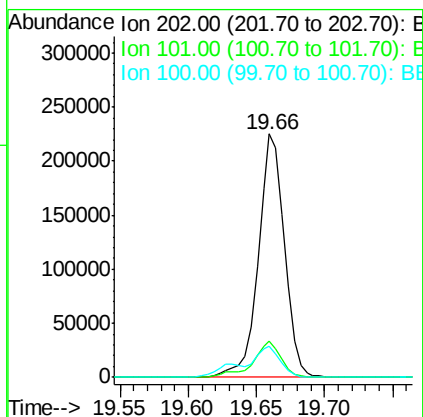
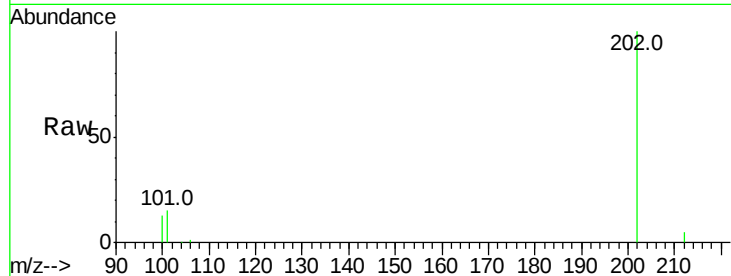
#17
Pvrene
Concen: 6.347 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.01 min
Lab File: BE094234.D
Acq: 9 Oct 2017 23:17

Instrument :
BNA_E
ClientSampleId :
C0AC6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	18.2	27.4#
100	12.8	15.6	23.4#

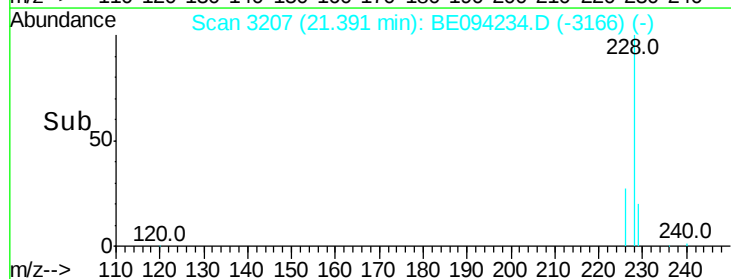
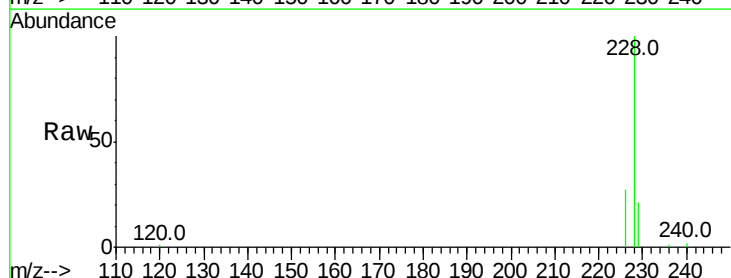
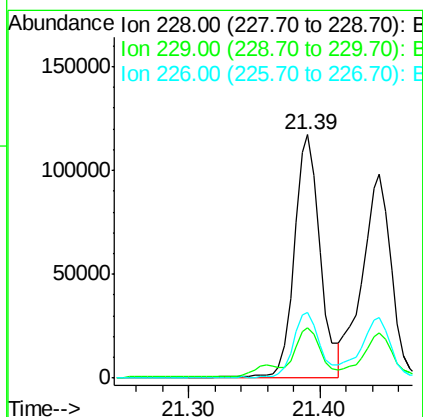
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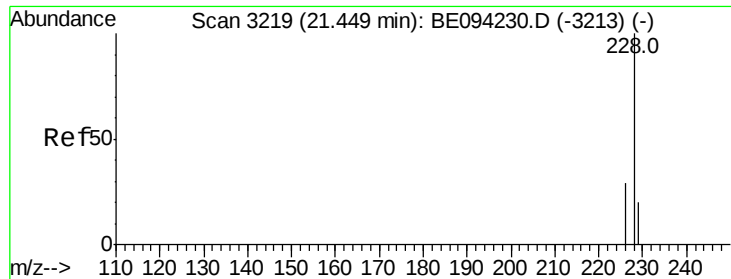
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#18
Benzo(a)anthracene
Concen: 3.577 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094234.D
Acq: 9 Oct 2017 23:17

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.8	22.8	34.2#
226	26.9	17.0	25.6#





#19

Chrysene

Concen: 2.927 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.01 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Instrument :

BNA_E

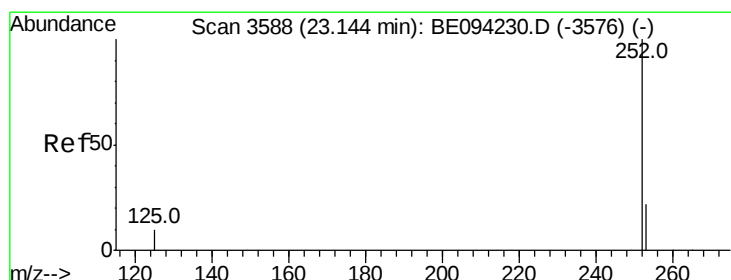
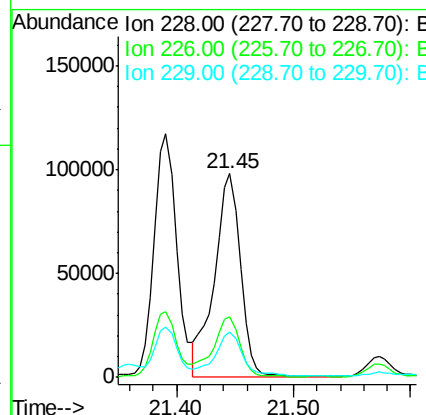
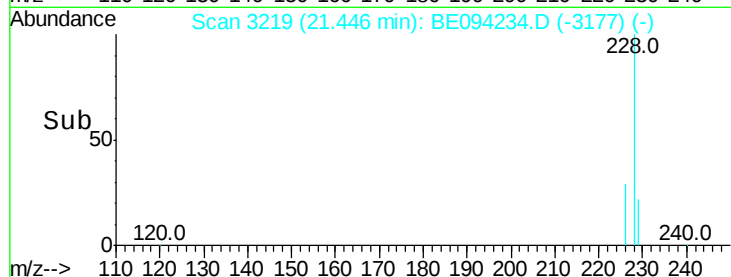
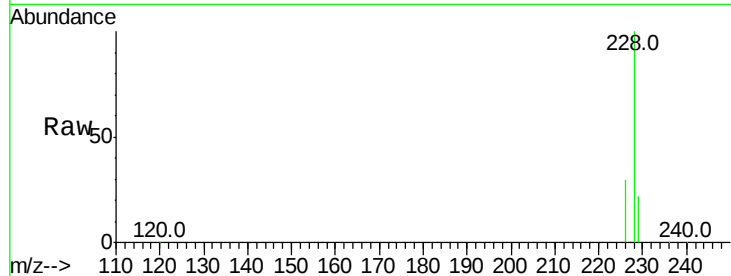
ClientSampleId :

C0AC6

Tot Ion:	228	Resp:	151667
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.4	35.0
229	22.3	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 4.852 ng/ul m

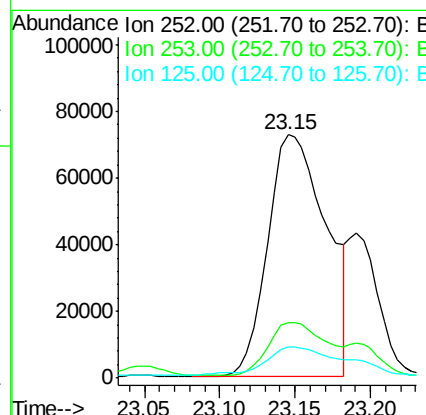
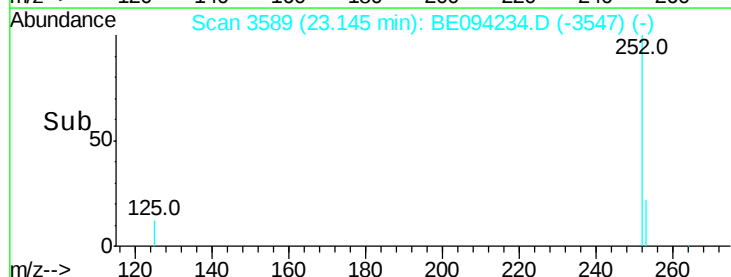
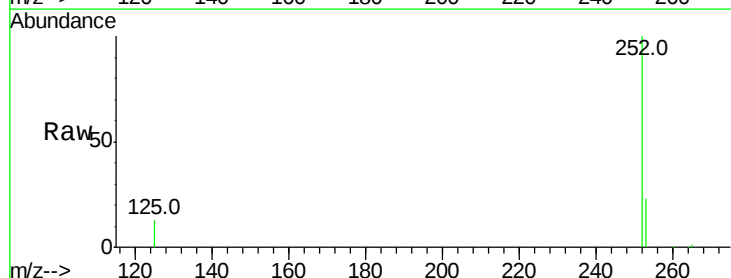
RT: 23.15 min Scan# 3589

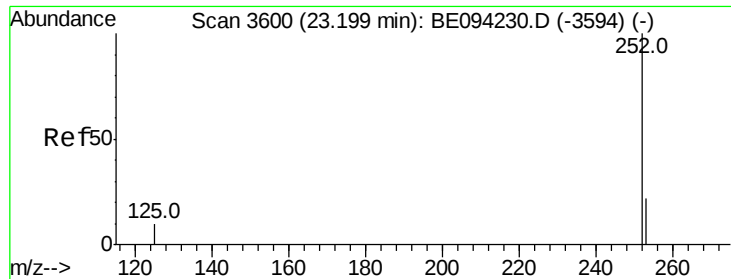
Delta R.T. -0.01 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Tgt Ion:	252	Resp:	195939
Ion Ratio	Lower	Upper	
252	100		
253	22.9	0.0	64.2
125	12.5	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 1.281 ng/ul m

RT: 23.19 min Scan# 3599

Delta R.T. -0.01 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Instrument :

BNA_E

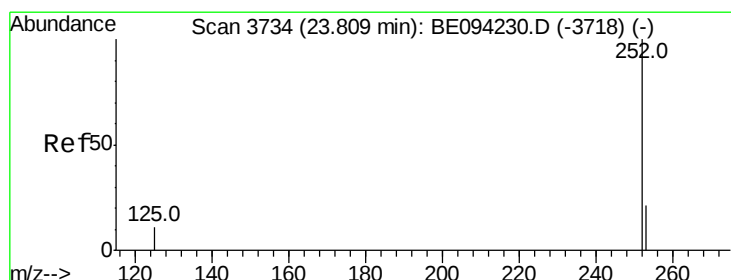
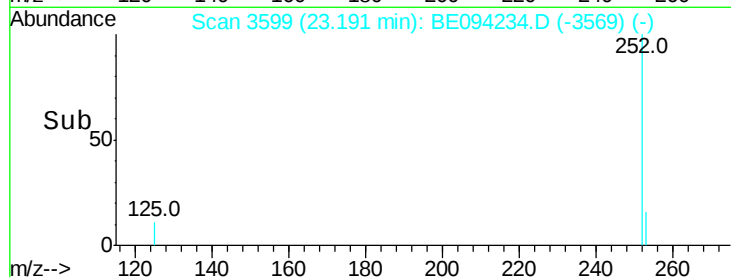
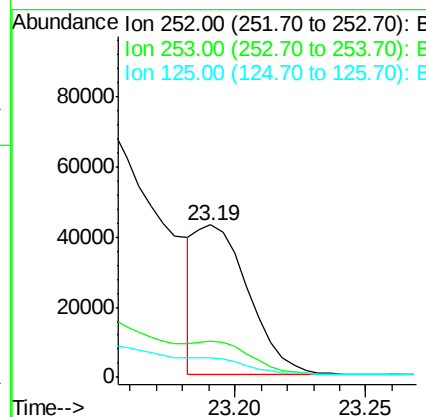
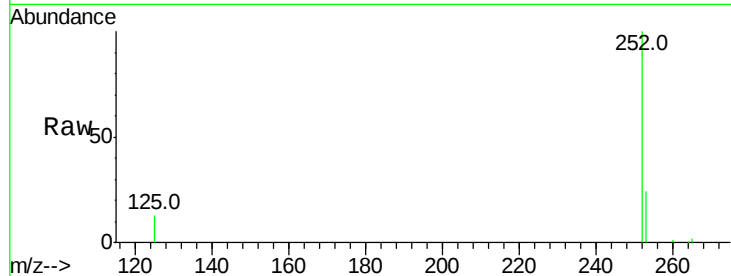
ClientSampleId :

C0AC6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	24.5	36.7#
125	12.8	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 3.134 ng/ul m

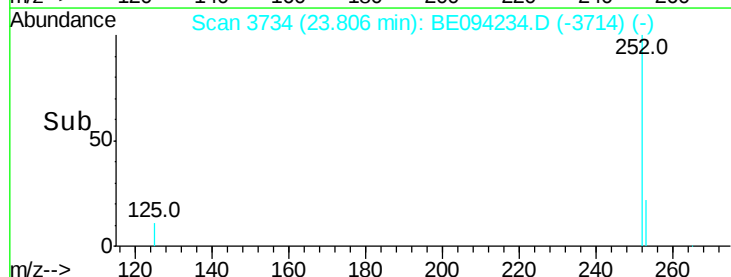
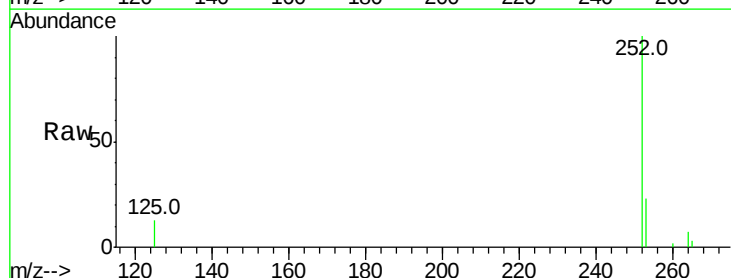
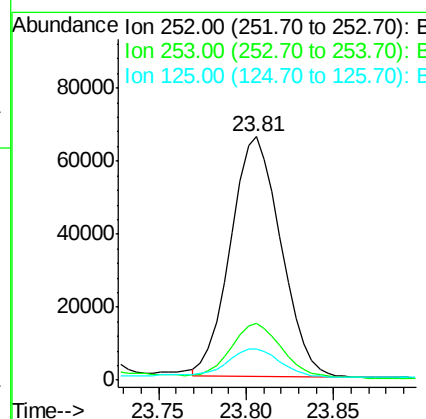
RT: 23.81 min Scan# 3734

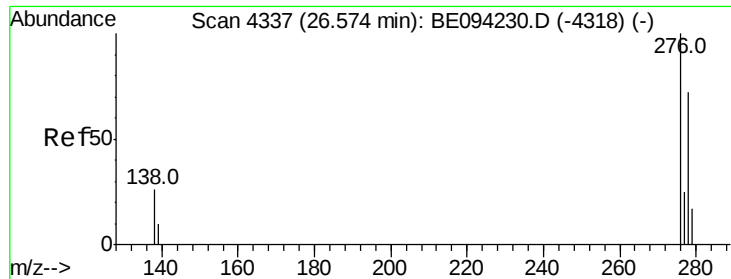
Delta R.T. -0.01 min

Lab File: BE094234.D

Acq: 9 Oct 2017 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	13.0	18.1	27.1#





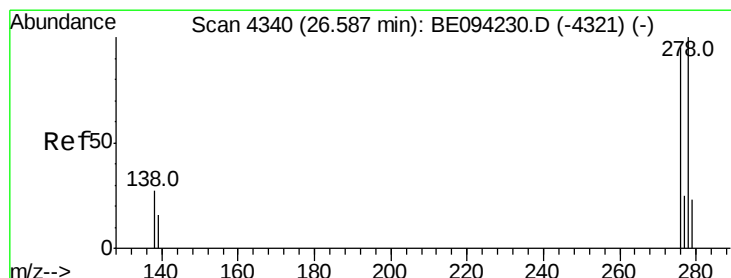
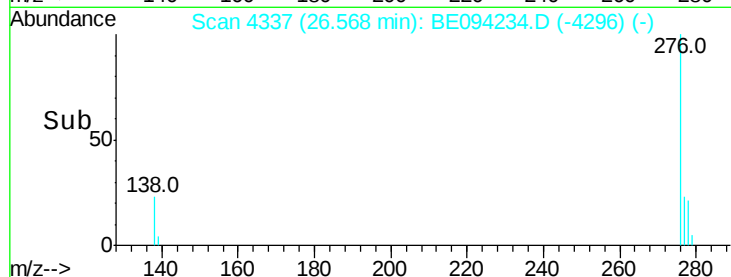
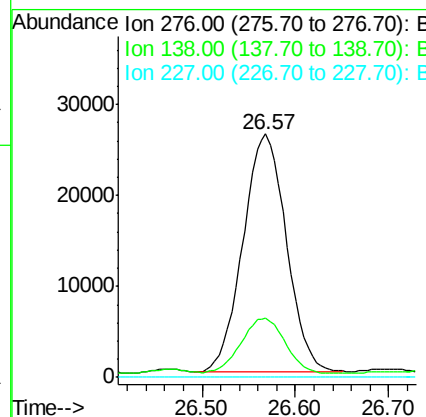
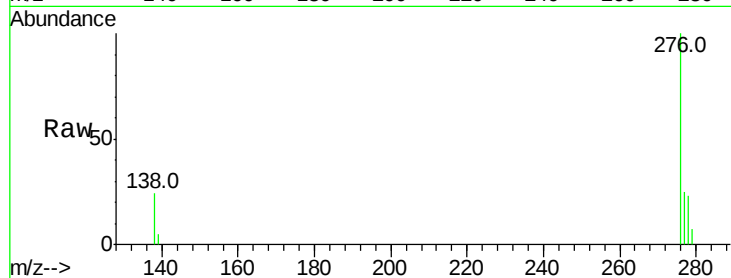
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.971 ng/ul m
RT: 26.57 min Scan# 4337
Delta R.T. -0.01 min
Lab File: BE094234.D
Acq: 9 Oct 2017 23:17

Instrument :
BNA_E
ClientSampleId :
C0AC6

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.6	28.0	42.0#
227	0.0	8.0	12.0#

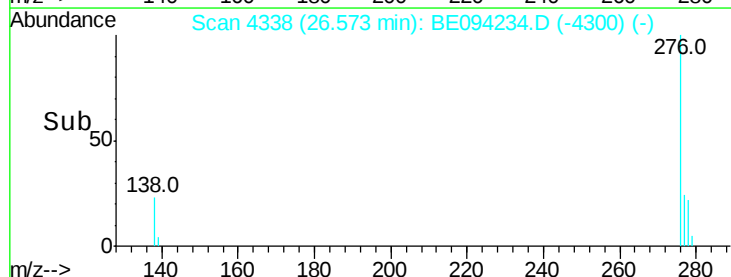
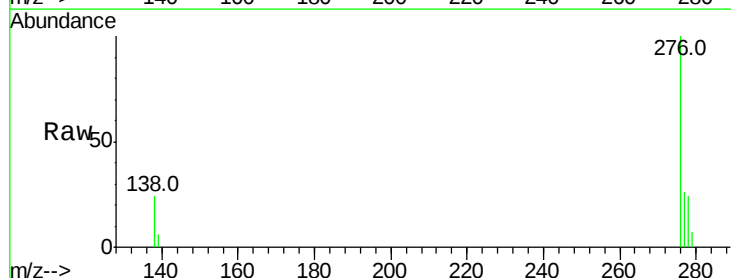
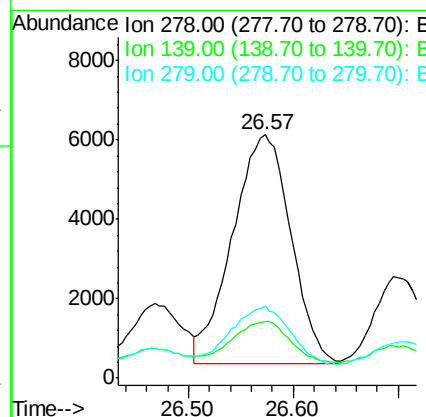
Manual Integrations
APPROVED

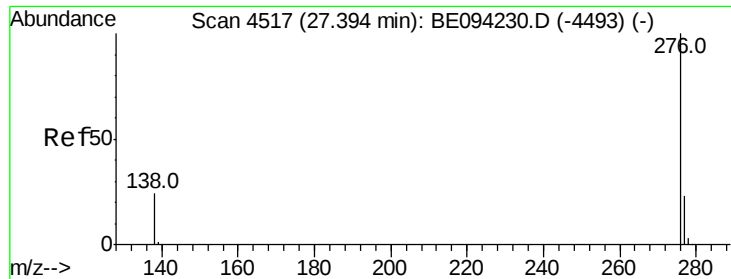
Sohil
10/10/2017 4:58:13 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.620 ng/ul m
RT: 26.57 min Scan# 4338
Delta R.T. -0.03 min
Lab File: BE094234.D
Acq: 9 Oct 2017 23:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	17.4	26.0
279	29.4	25.9	38.9





#26
 Benzo(a,h,i)perylene
 Concen: 1.783 ng/ul m
 RT: 27.39 min Scan# 4518
 Delta R.T. -0.01 min
 Lab File: BE094234.D
 Acq: 9 Oct 2017 23:17

Instrument :
 BNA_E
 ClientSampleId :
 C0AC6

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.8	32.8
277	25.4	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:58:13 PM

