

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094240.D
 Acq On : 10 Oct 2017 3:00
 Operator : SJ/JU
 Sample : I5522-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD0

Manual Integrations
 APPROVED

Sohil
 10/10/2017 4:57:31 PM

Quant Time: Oct 10 10:58:08 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	7.91	152	2562	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	13228	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8033	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	17020m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	15739	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	14725m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	5825	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	13377	0.24	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	23746	0.733	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	28359	1.349	ng/ul	98
7) Acenaphthylene	14.24	152	14865	0.475	ng/ul	99
8) Acenaphthene	14.57	153	24174	0.938	ng/ul	97
9) Fluorene	15.56	166	27167	0.900	ng/ul	91
12) Phenanthrene	17.29	178	605150	13.606	ng/ul#	93
13) Anthracene	17.38	178	96140	2.223	ng/ul#	92
15) Fluoranthene	19.30	202	965878	16.528	ng/ul	84
17) Pyrene	19.66	202	873592	19.949	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	475155	11.380	ng/ul#	87
19) Chrysene	21.45	228	473732	9.825	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	618500m	15.462	ng/ul	
22) Benzo(k)fluoranthene	23.20	252	210958m	4.563	ng/ul	
23) Benzo(a)pyrene	23.81	252	407223m	9.797	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.58	276	275964m	6.490	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	80192m	2.248	ng/ul	
26) Benzo(a,h,i)perylene	27.41	276	223495m	6.094	ng/ul	

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

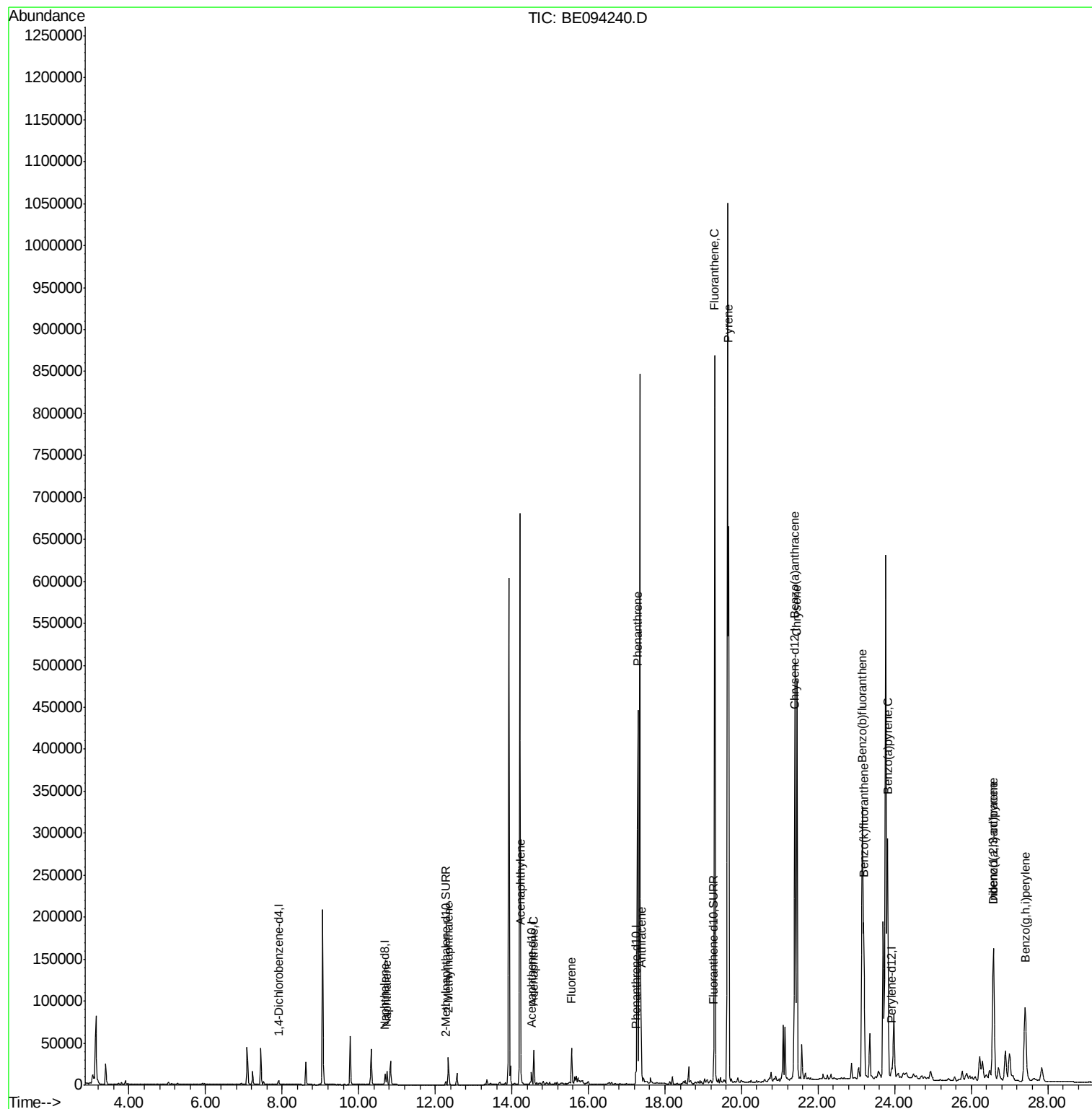
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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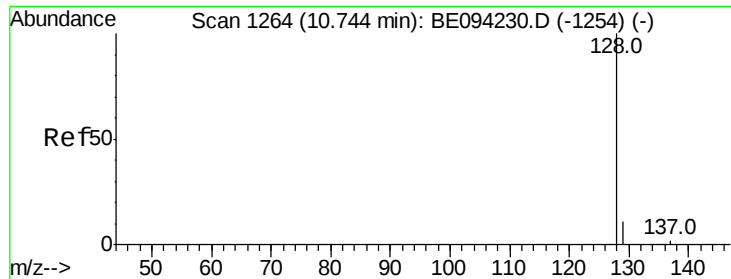
Instrument :
BNA_E
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#3

Naphthalene

Concen: 0.733 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

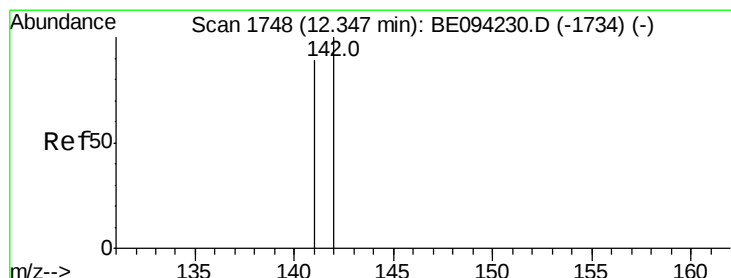
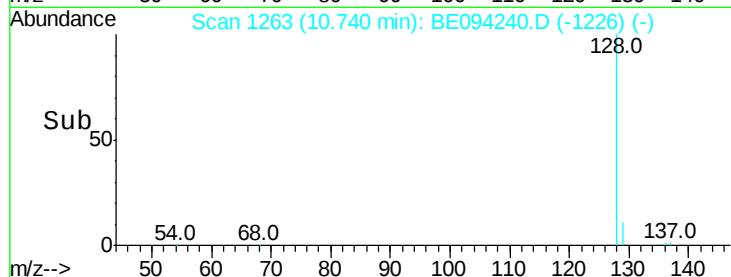
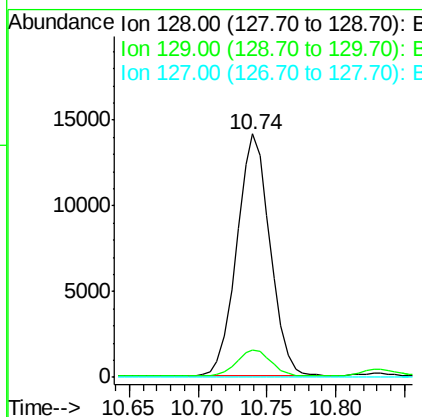
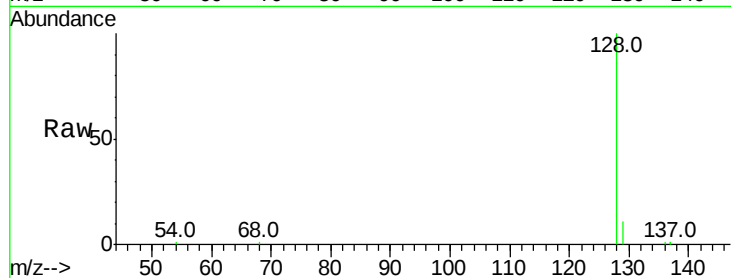
ClientSampleId :

C0AD0

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 1.349 ng/ul

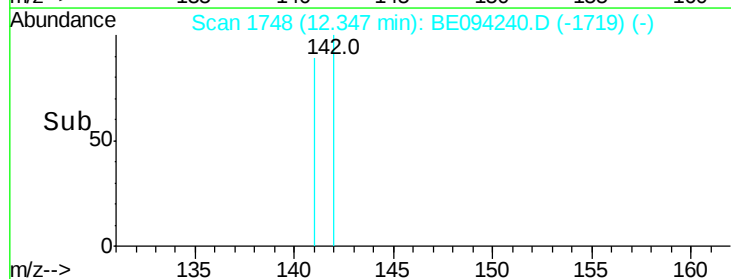
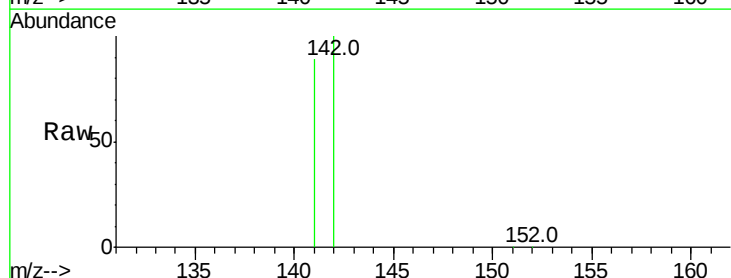
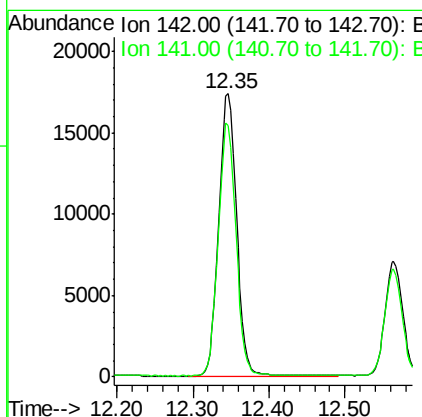
RT: 12.35 min Scan# 1748

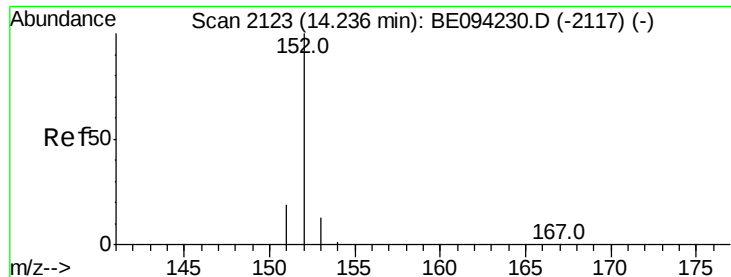
Delta R.T. -0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.6	108.8





#7

Acenaphthylene

Concen: 0.475 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

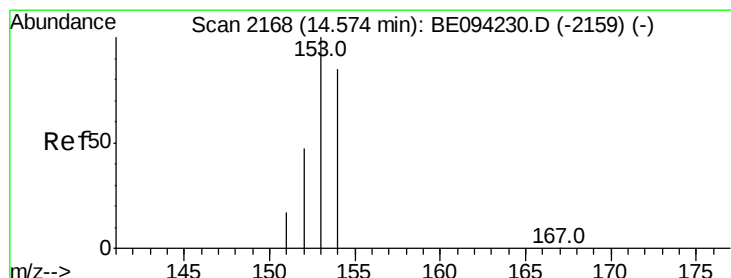
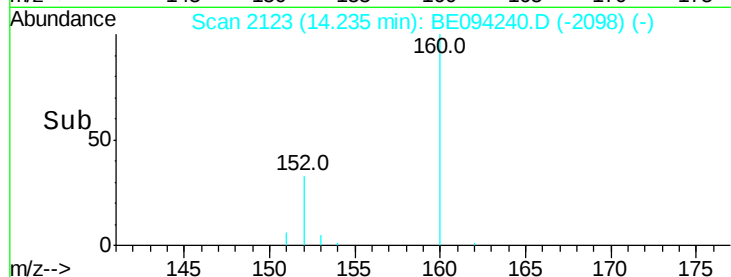
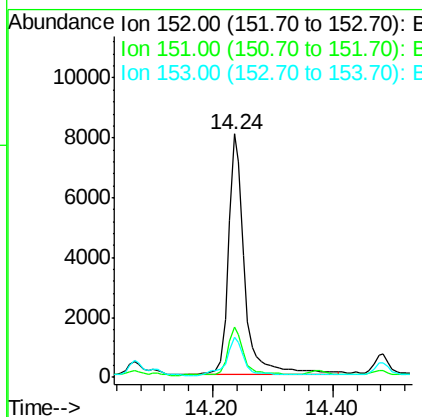
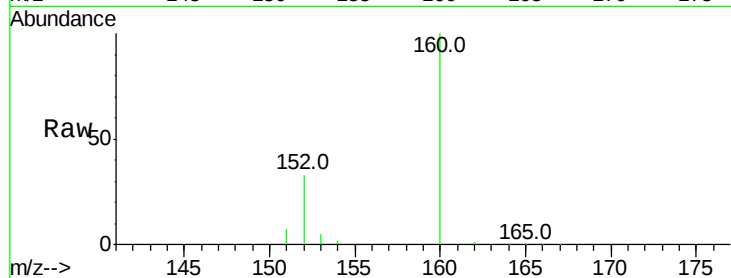
ClientSampleId :

C0AD0

Tot Ion:	152	Resp:	14865
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.1	25.7
153	16.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.938 ng/ul

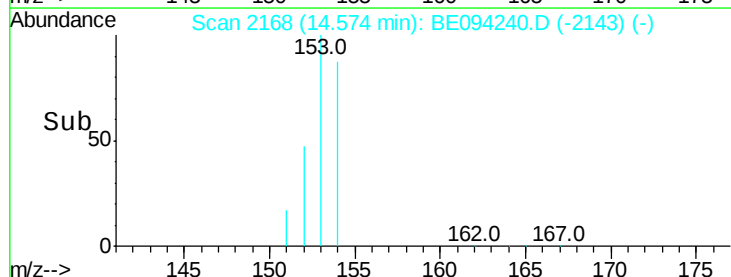
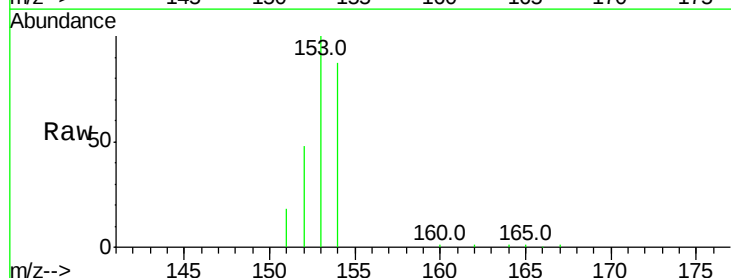
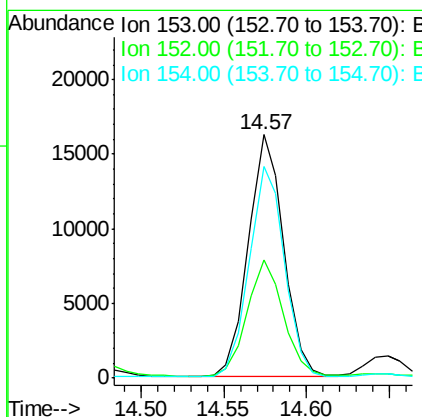
RT: 14.57 min Scan# 2168

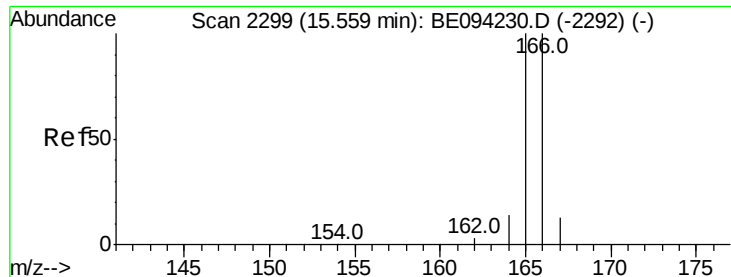
Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tgt Ion:	153	Resp:	24174
Ion Ratio	Lower	Upper	
153	100		
152	48.4	40.3	60.5
154	86.9	71.4	107.2





#9

Fluorene

Concen: 0.900 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

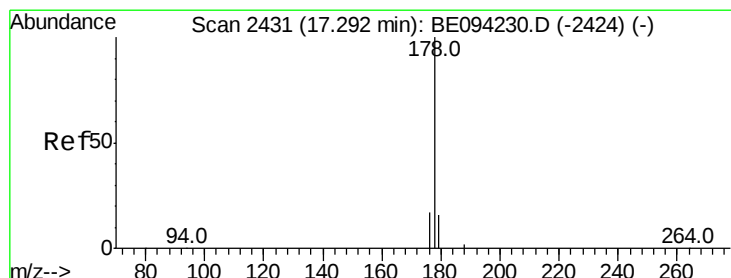
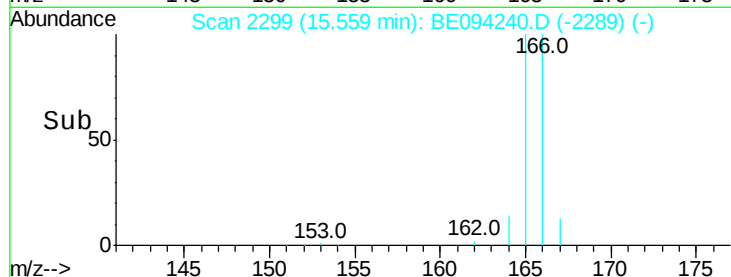
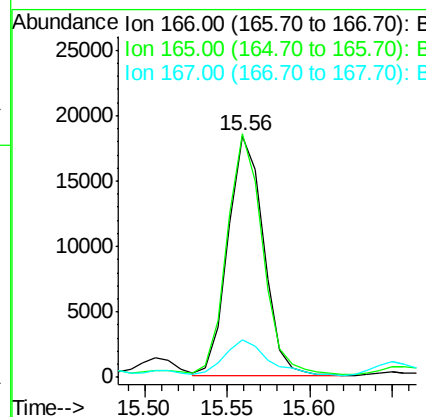
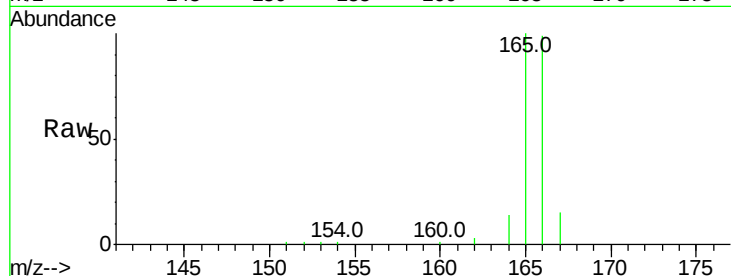
ClientSampleID :

C0AD0

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.8	73.4	110.2
167	15.5	14.6	22.0

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#12

Phenanthrene

Concen: 13.606 ng/ul

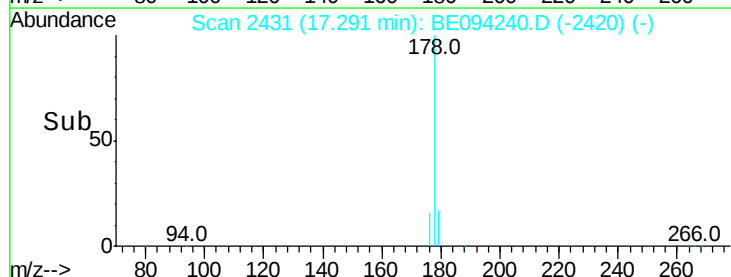
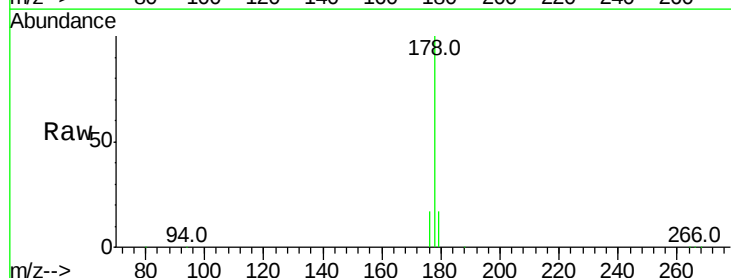
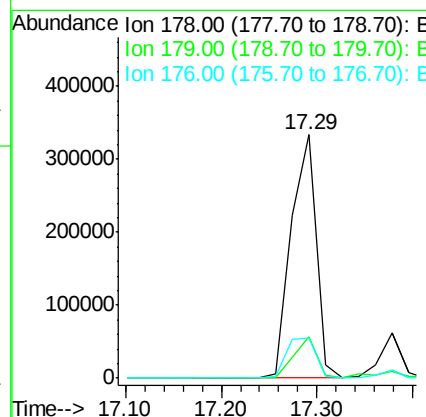
RT: 17.29 min Scan# 2431

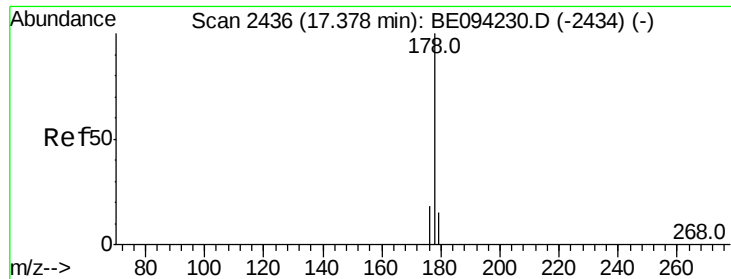
Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	18.4	27.6#
176	16.5	13.6	20.4





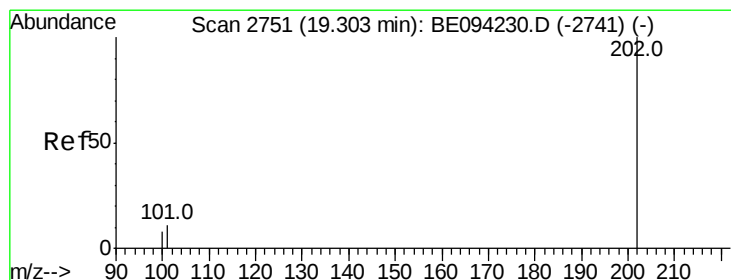
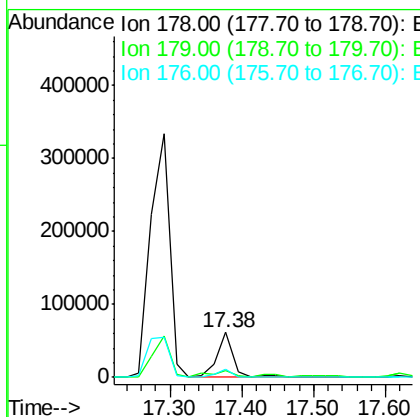
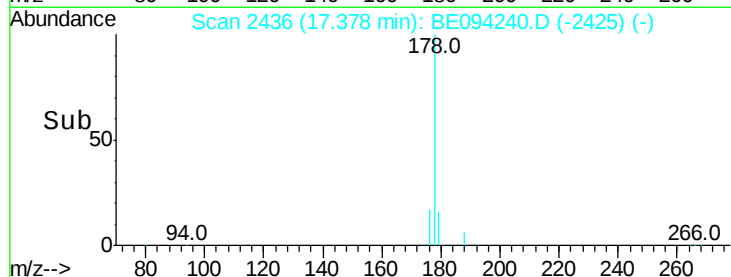
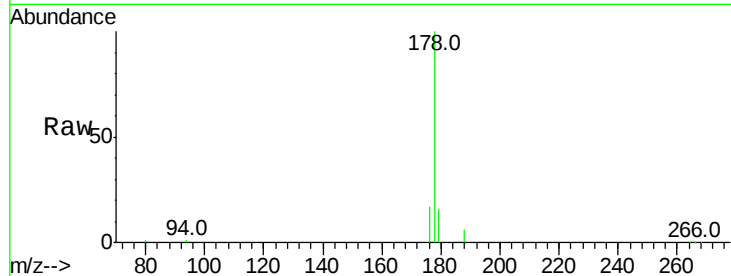
#13
 Anthracene
 Concen: 2.223 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094240.D
 Acq: 10 Oct 2017 3:00

Instrument :
 BNA_E
 ClientSampleId :
 C0AD0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	18.1	27.1#
176	17.4	14.7	22.1

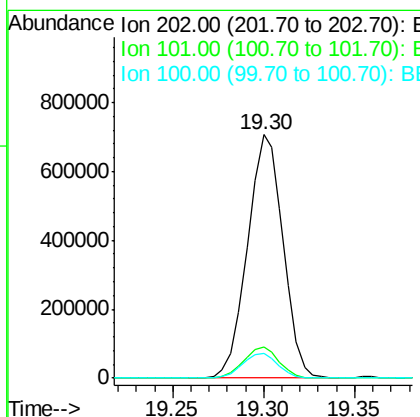
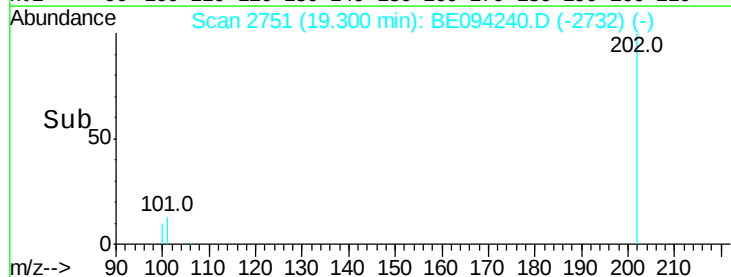
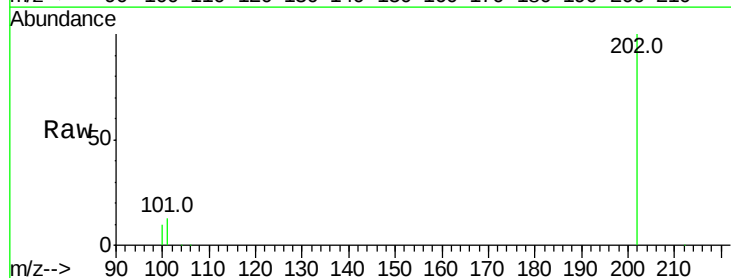
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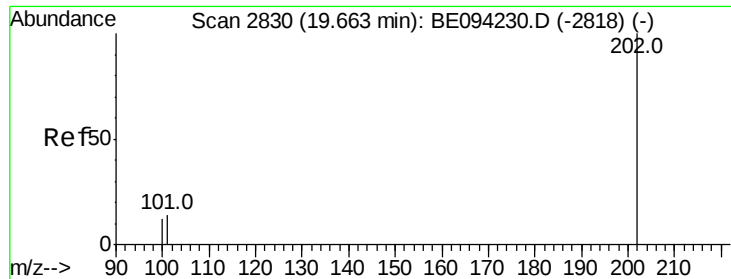
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#15
 Fluoranthene
 Concen: 16.528 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.01 min
 Lab File: BE094240.D
 Acq: 10 Oct 2017 3:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.3
100	10.2	0.0	39.5





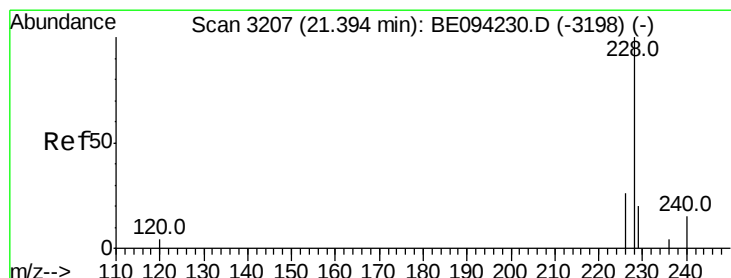
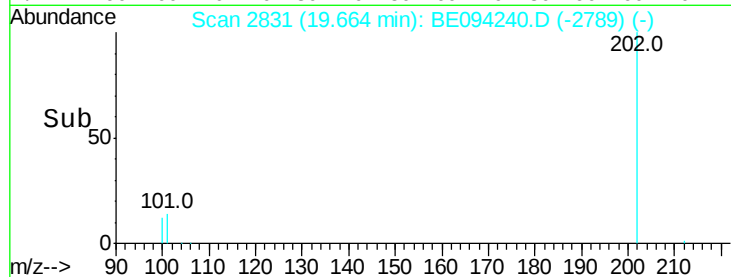
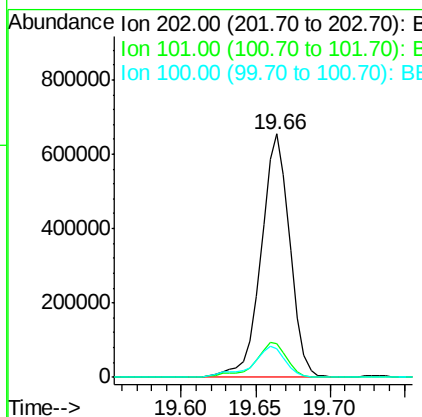
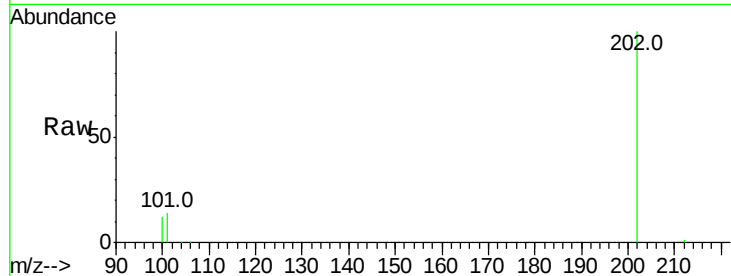
#17
Pvrene
Concen: 19.949 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

Instrument :
BNA_E
ClientSampleId :
C0AD0

Tot Ion	Ratio	Resp	Lower	Upper
202	100	873592		
101	14.0		18.2	27.4#
100	11.8		15.6	23.4#

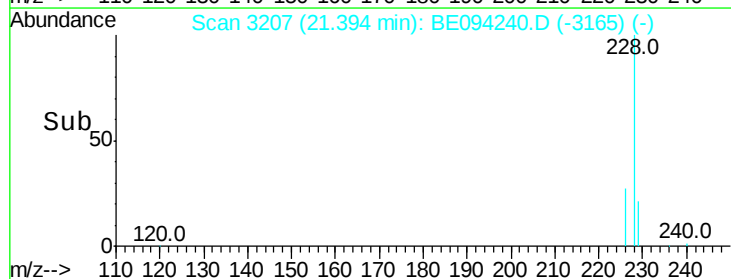
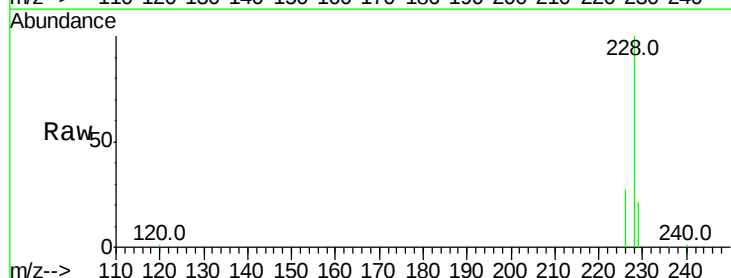
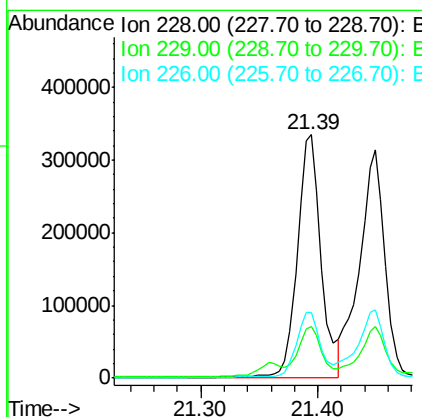
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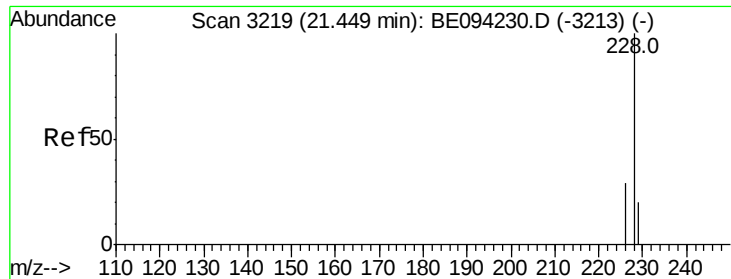
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#18
Benzo(a)anthracene
Concen: 11.380 ng/ul
RT: 21.39 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094240.D
Acq: 10 Oct 2017 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	475155		
229	21.3		22.8	34.2#
226	27.0		17.0	25.6#





#19

Chrysene

Concen: 9.825 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

ClientSampleId :

C0AD0

Tot Ion:228 Resp: 473732

Ion Ratio Lower Upper

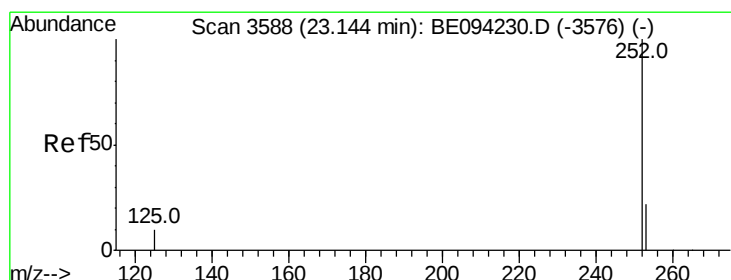
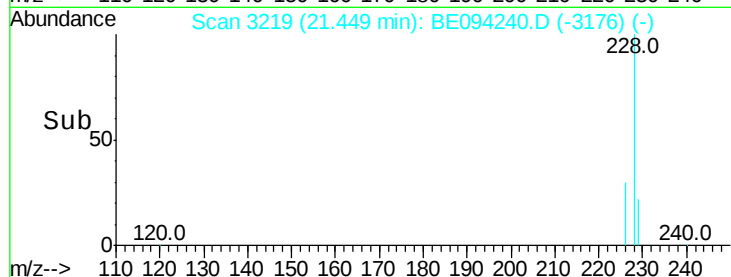
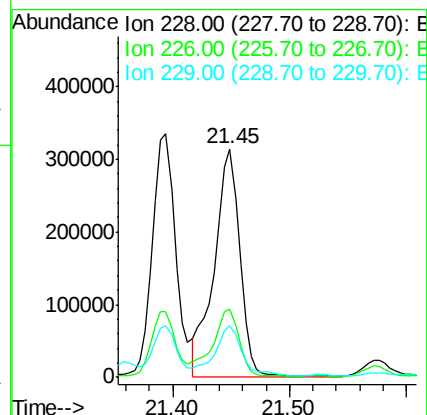
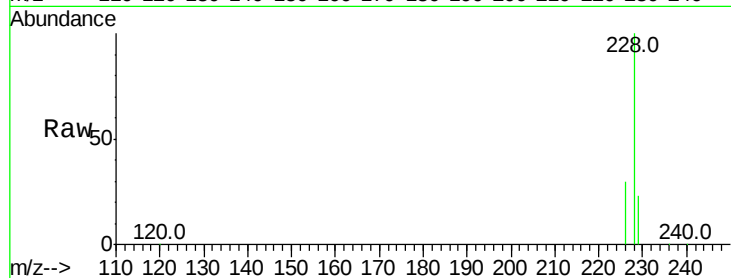
228 100

226 29.8 23.4 35.0

229 22.5 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 15.462 ng/ul m

RT: 23.15 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

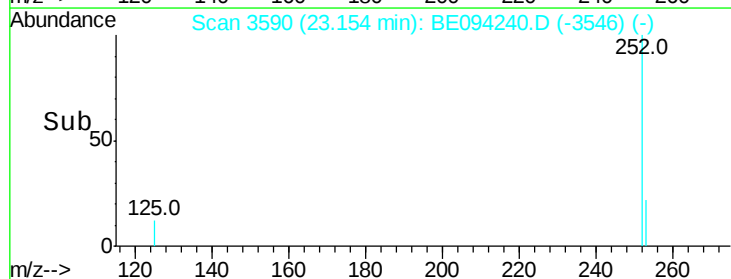
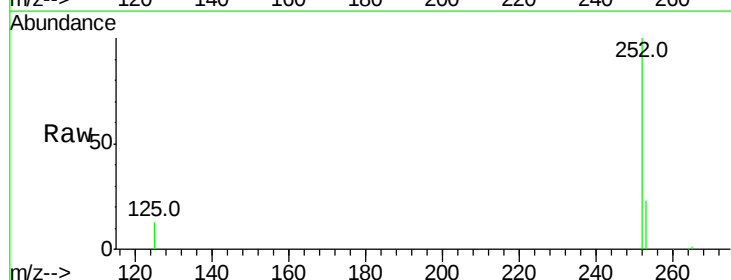
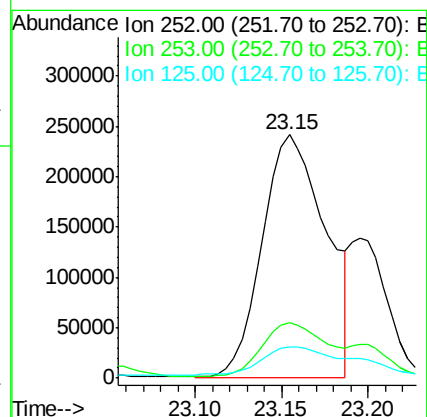
Tgt Ion:252 Resp: 618500

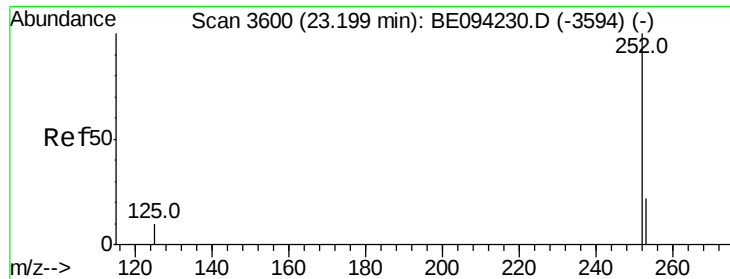
Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

125 13.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 4.563 ng/ul m

RT: 23.20 min Scan# 3599

Delta R.T. -0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

ClientSampleId :

C0AD0

Tot Ion:252 Resp: 210958

Ion Ratio Lower Upper

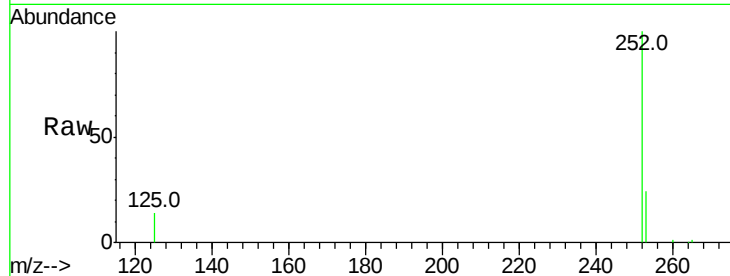
252 100

253 23.8 24.5 36.7#

125 13.7 13.7 20.5#

Manual Integrations
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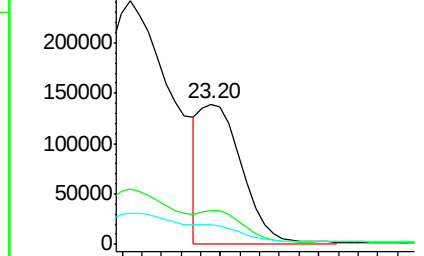
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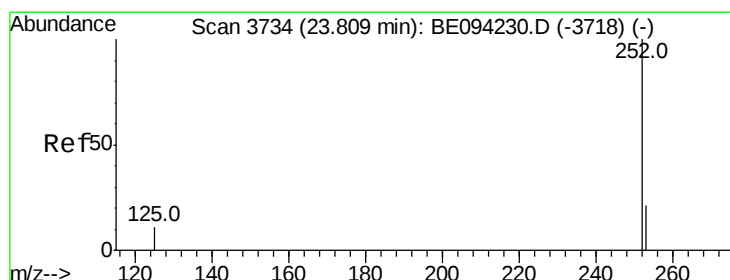
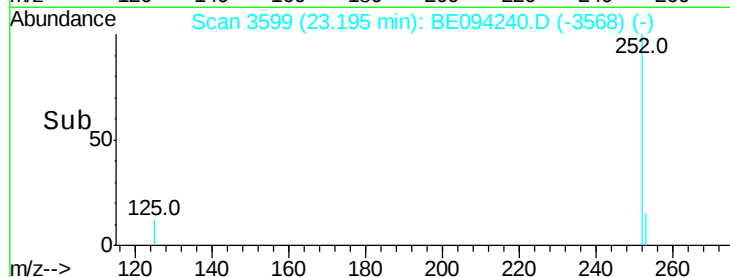
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.15 23.20 23.25



#23

Benzo(a)pyrene

Concen: 9.797 ng/ul m

RT: 23.81 min Scan# 3735

Delta R.T. 0.00 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tgt Ion:252 Resp: 407223

Ion Ratio Lower Upper

252 100

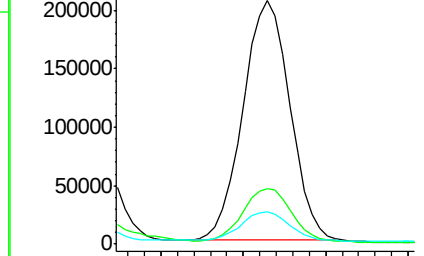
253 23.0 28.5 42.7#

125 13.5 18.1 27.1#

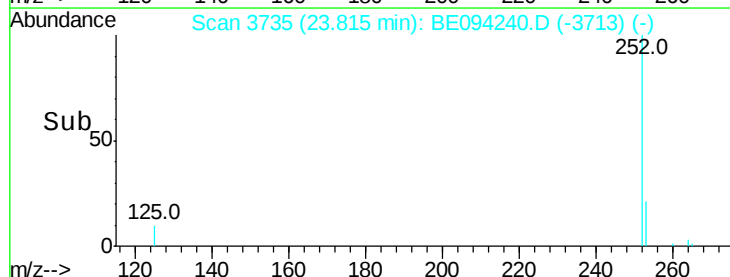
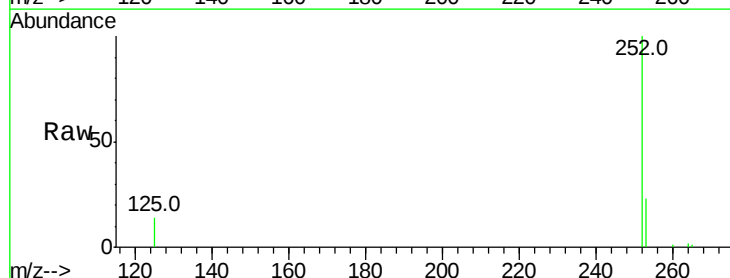
Abundance Ion 252.00 (251.70 to 252.70): E

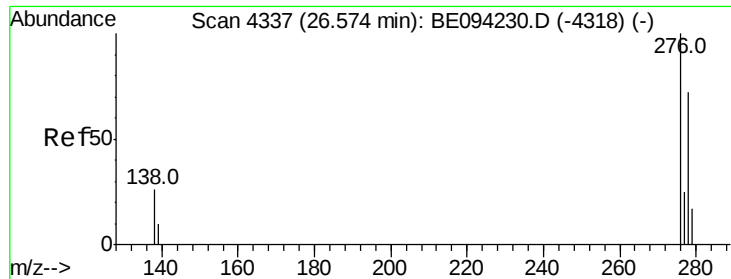
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.75 23.80 23.85





#24

Indeno(1,2,3-cd)pyrene

Concen: 6.490 ng/ul m

RT: 26.58 min Scan# 4338

Delta R.T. -0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Instrument :

BNA_E

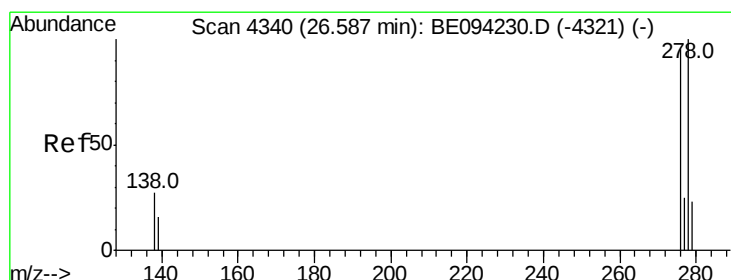
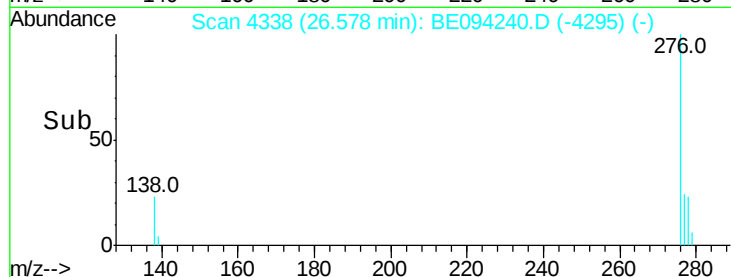
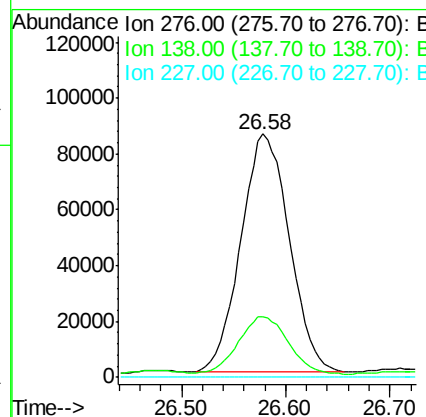
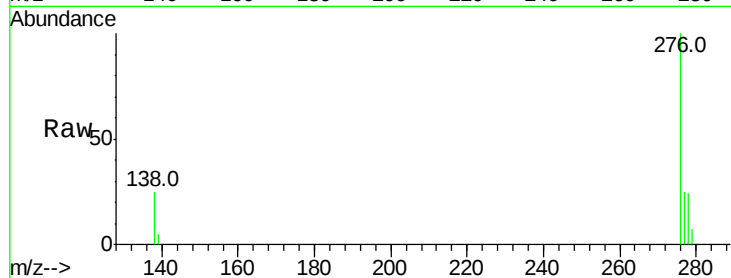
ClientSampled :

C0AD0

Tot Ion	Ratio	Resp	Lower	Upper
276	100	275964		
138	0.6	28.0	42.0#	
227	0.0	8.0	12.0#	

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM



#25

Dibenzo(a,h)anthracene

Concen: 2.248 ng/ul m

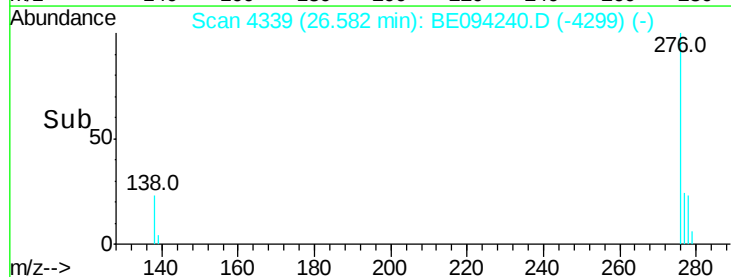
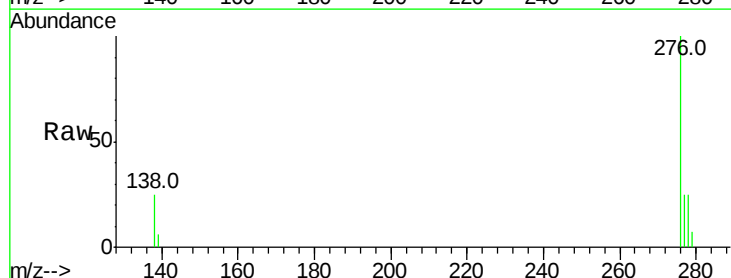
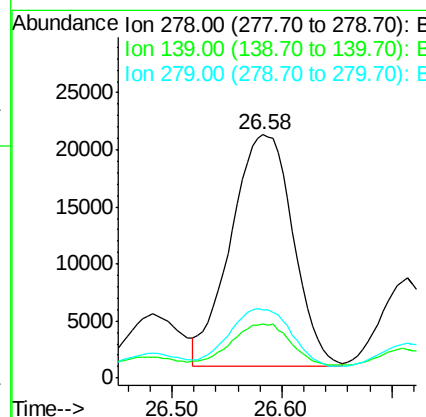
RT: 26.58 min Scan# 4339

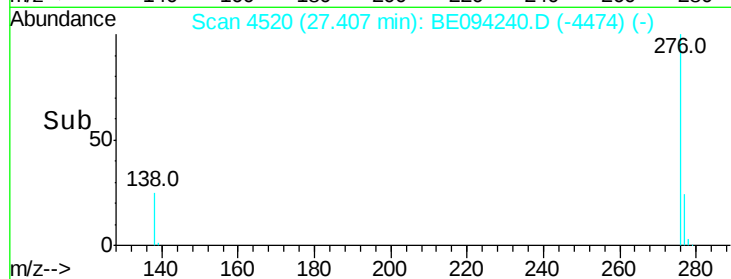
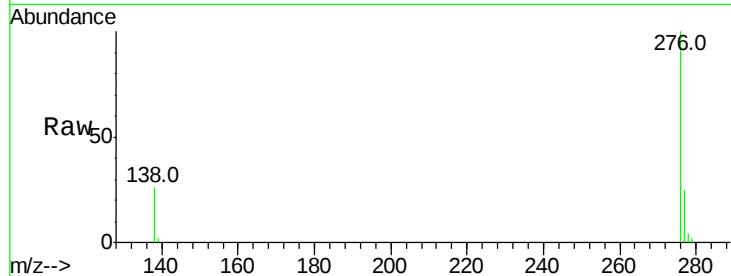
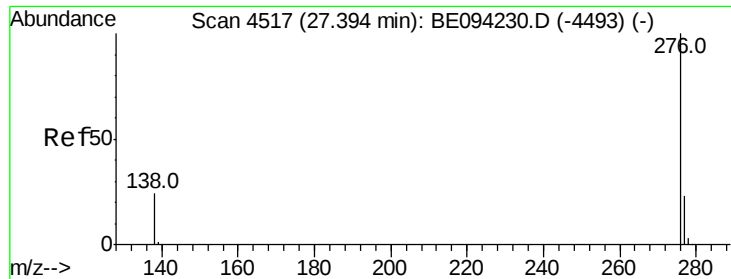
Delta R.T. -0.02 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	80192		
139	22.1	17.4	26.0	
279	28.2	25.9	38.9	





#26

Benzo(a,h,i)perylene

Concen: 6.094 ng/ul m

RT: 27.41 min Scan# 4520

Delta R.T. 0.01 min

Lab File: BE094240.D

Acq: 10 Oct 2017 3:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100		223495		
138	26.0	21.8	32.8		
277	25.1	20.5	30.7		

Instrument :

BNA_E

ClientSampleId :

C0AD0

Manual Integrations
APPROVED

Sohil
10/10/2017 4:57:31 PM

