

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094273.D
 Acq On : 11 Oct 2017 4:42
 Operator : SJ/JU
 Sample : I5522-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:20:33 PM

Quant Time: Oct 11 08:33:48 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 08:24:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2183	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	10897	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	6386	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	12734m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12887	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	14508m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	4068	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	9562	0.23	ng/ul	0.00
Target Compounds						Ovalue
3) Naphthalene	10.74	128	21662	0.812	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	7062	0.408	ng/ul	98
7) Acenaphthylene	14.24	152	5586	0.224	ng/ul	98
8) Acenaphthene	14.57	153	28509	1.391	ng/ul	97
9) Fluorene	15.56	166	35369	1.474	ng/ul#	93
12) Phenanthrene	17.29	178	640298	19.242	ng/ul#	93
13) Anthracene	17.38	178	146919	4.540	ng/ul#	91
15) Fluoranthene	19.30	202	1336654	30.570	ng/ul	85
17) Pyrene	19.66	202	1113467	31.054	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	595830	17.428	ng/ul#	86
19) Chrysene	21.45	228	641834	16.257	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	716234	18.173	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	256021m	5.620	ng/ul	
23) Benzo(a)pyrene	23.81	252	511244m	12.484	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.58	276	340747m	8.134	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	90941m	2.588	ng/ul	
26) Benzo(a,h,i)perylene	27.41	276	276377m	7.648	ng/ul	

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

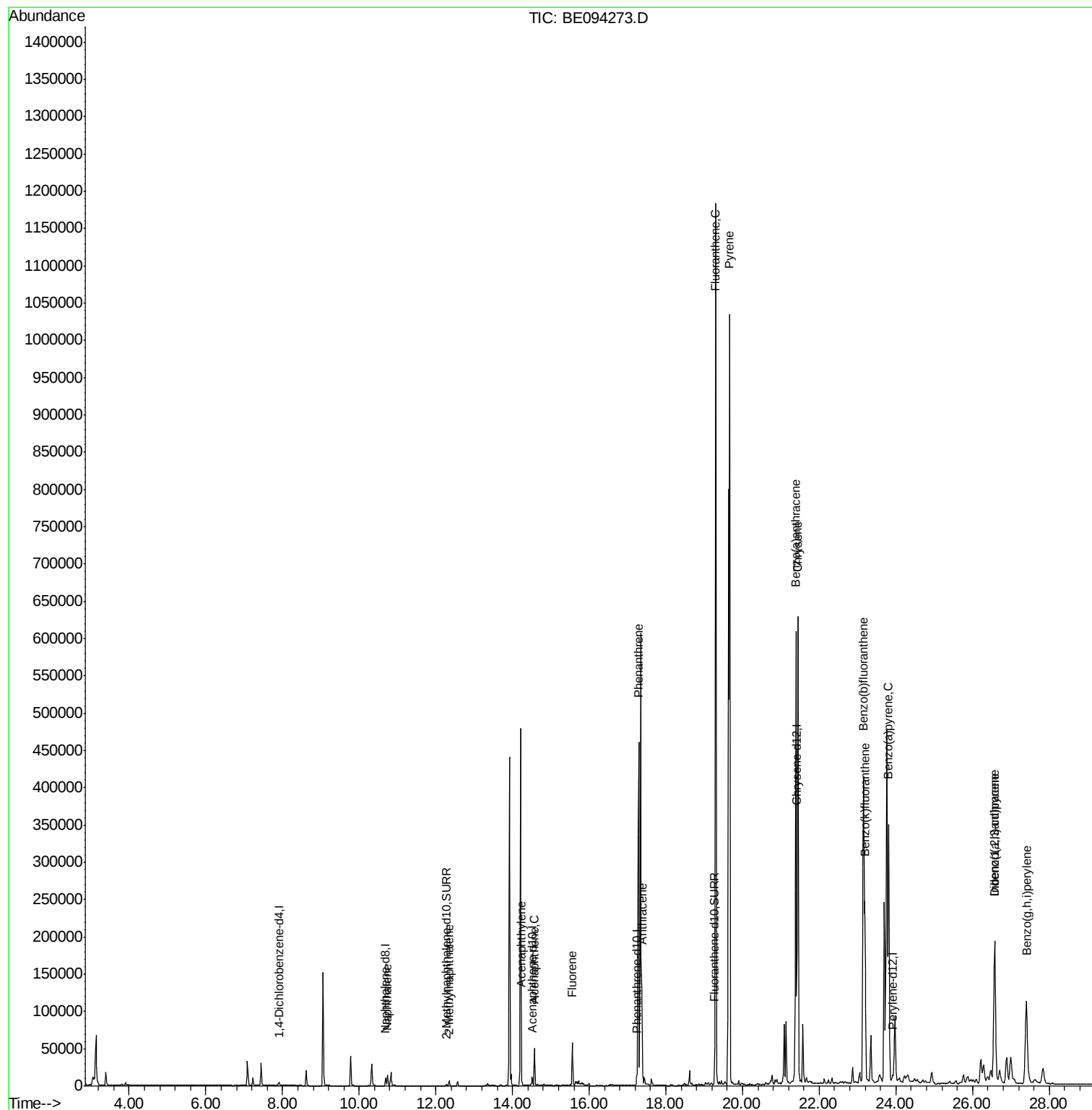
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
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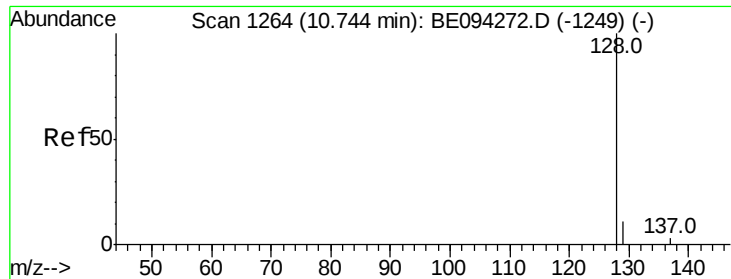
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 0.812 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Instrument :

BNA_E

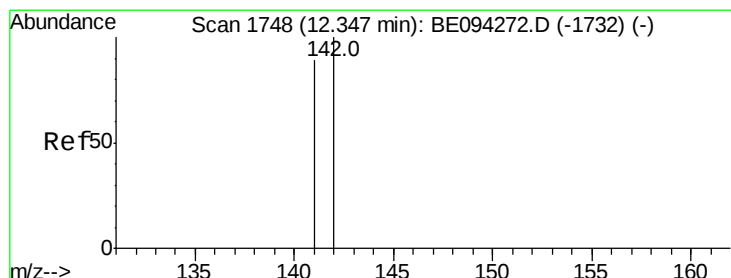
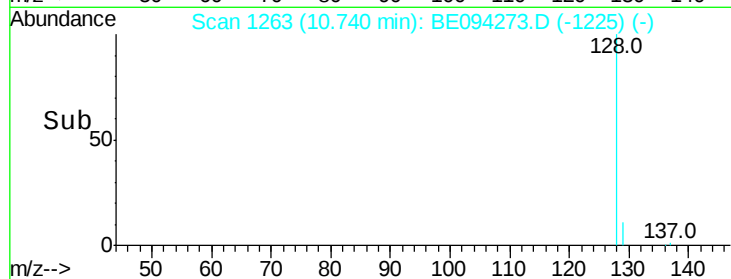
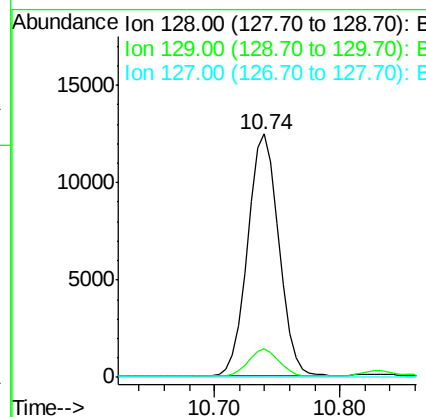
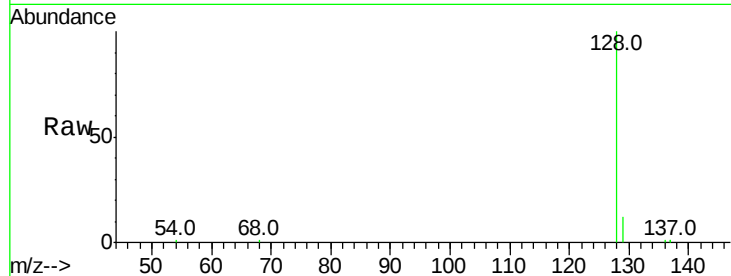
ClientSampled :

C0AD3

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: 0.408 ng/ul

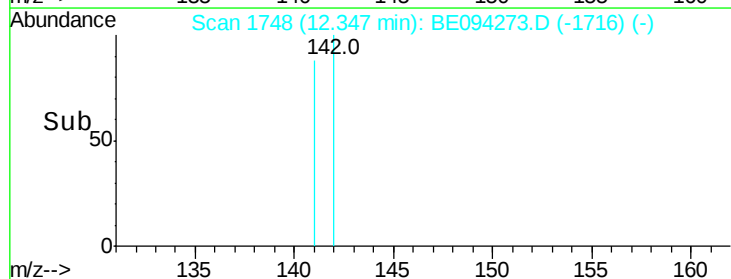
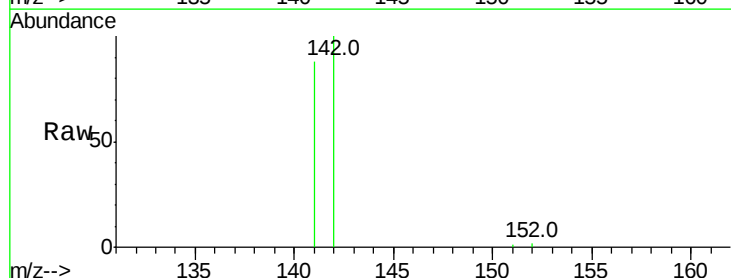
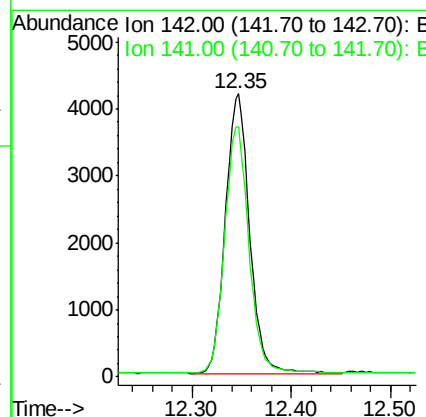
RT: 12.35 min Scan# 1748

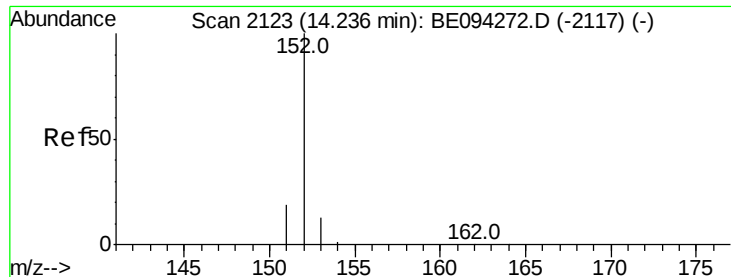
Delta R.T. -0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.224 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Instrument :

BNA_E

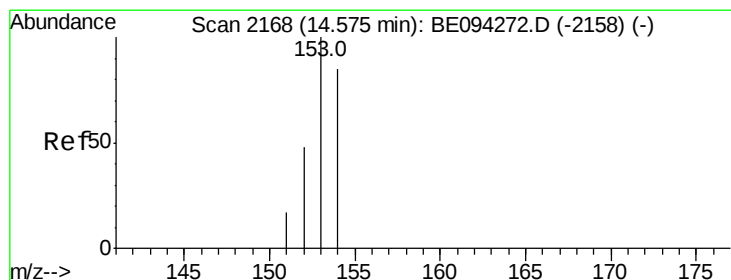
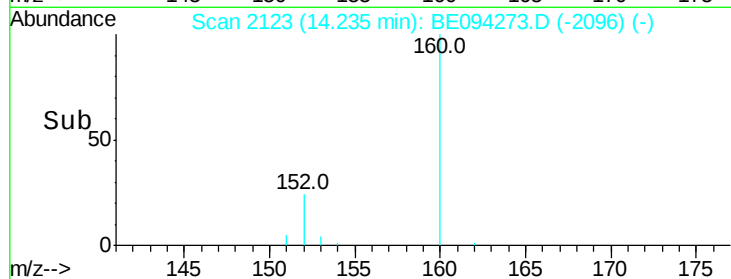
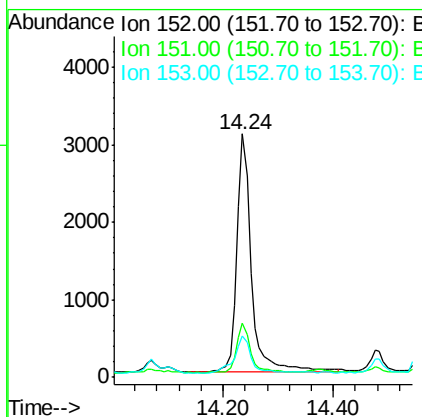
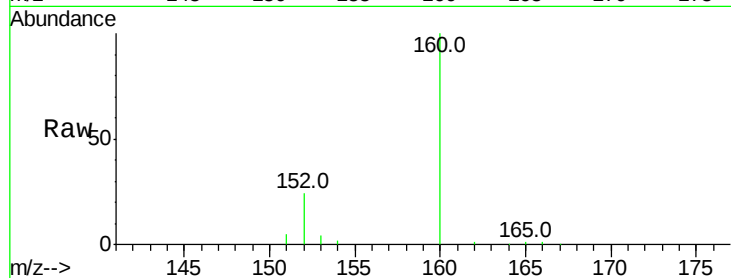
ClientSampleId :

C0AD3

Tot Ion:	152	Resp:	5586
Ion Ratio	Lower	Upper	
152	100		
151	22.1	17.1	25.7
153	17.1	12.8	19.2

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#8

Acenaphthene

Concen: 1.391 ng/ul

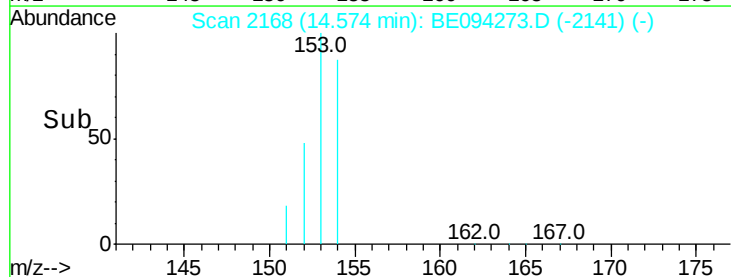
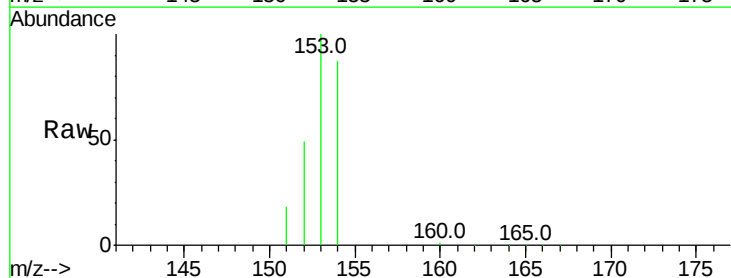
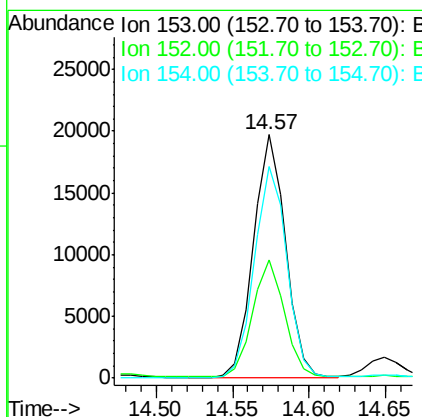
RT: 14.57 min Scan# 2168

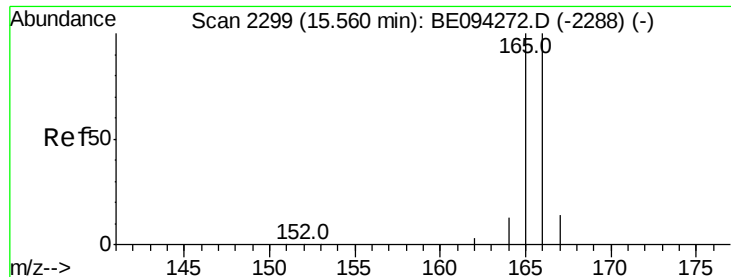
Delta R.T. -0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Tgt Ion:	153	Resp:	28509
Ion Ratio	Lower	Upper	
153	100		
152	48.5	40.3	60.5
154	87.0	71.4	107.2





#9

Fluorene

Concen: 1.474 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Instrument :

BNA_E

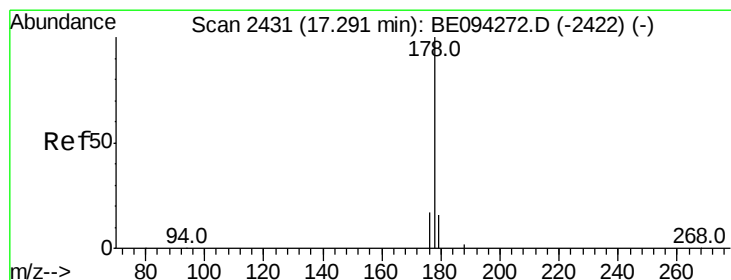
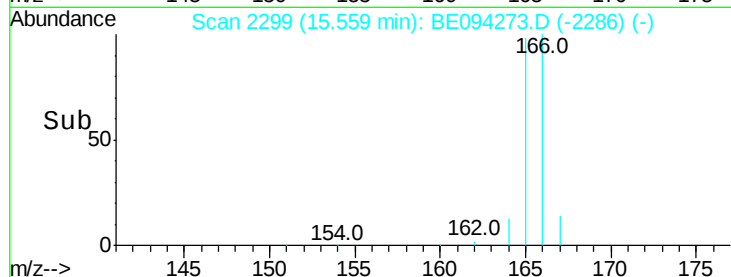
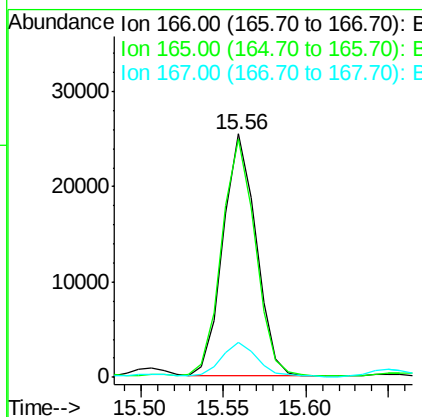
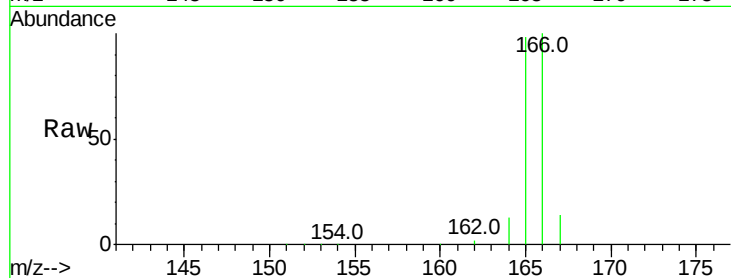
ClientSampleId :

C0AD3

Tot Ion:	166	Resp:	35369
Ion Ratio	Lower	Upper	
166	100		
165	97.9	73.4	110.2
167	14.5	14.6	22.0#

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#12

Phenanthrene

Concen: 19.242 ng/ul

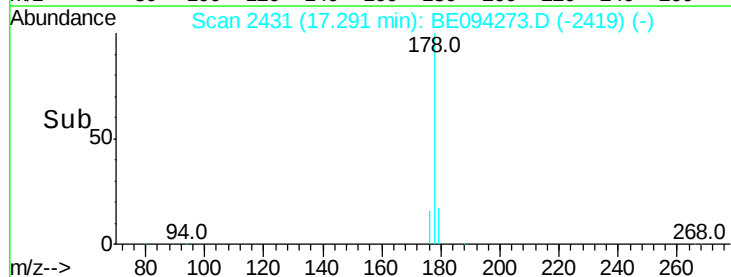
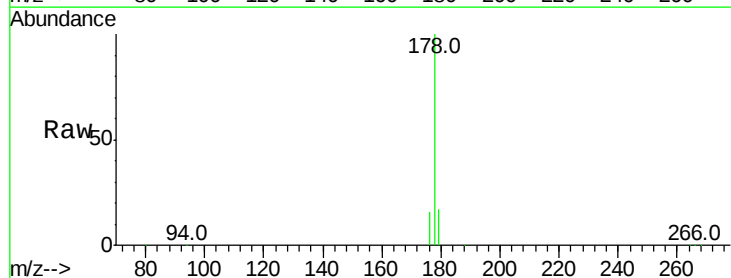
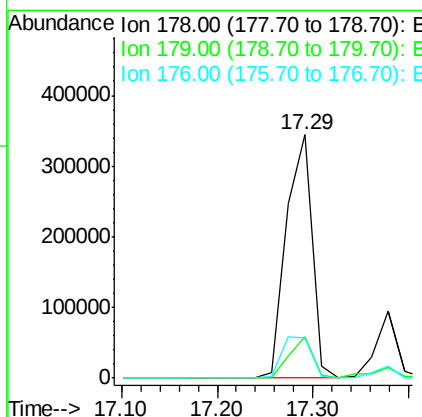
RT: 17.29 min Scan# 2431

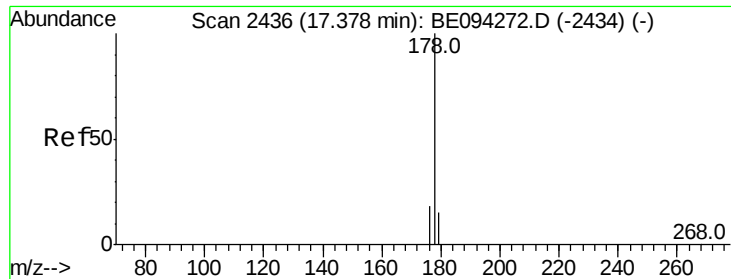
Delta R.T. 0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Tgt Ion:	178	Resp:	640298
Ion Ratio	Lower	Upper	
178	100		
179	17.2	18.4	27.6#
176	16.4	13.6	20.4





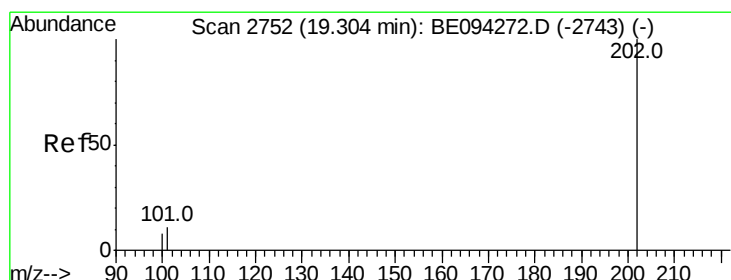
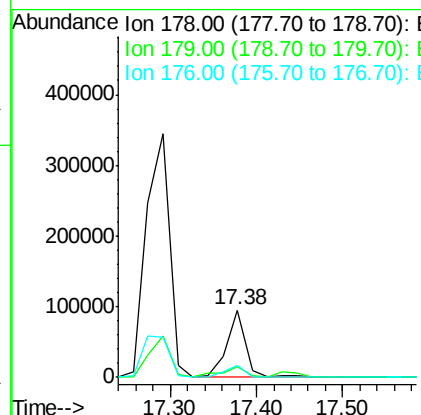
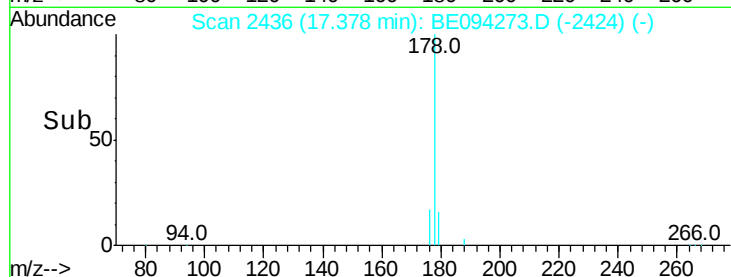
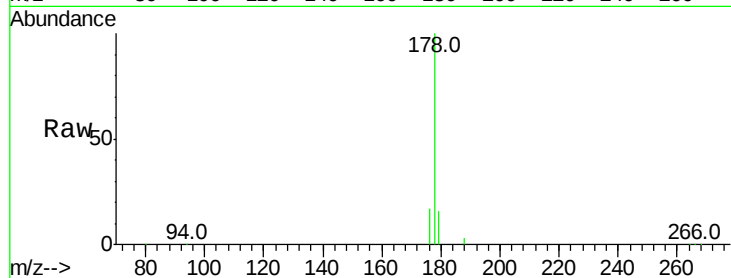
#13
 Anthracene
 Concen: 4.540 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BE094273.D
 Acq: 11 Oct 2017 4:42

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Tot Ion:178 Resp: 146919
 Ion Ratio Lower Upper
 178 100
 179 16.4 18.1 27.1#
 176 16.9 14.7 22.1

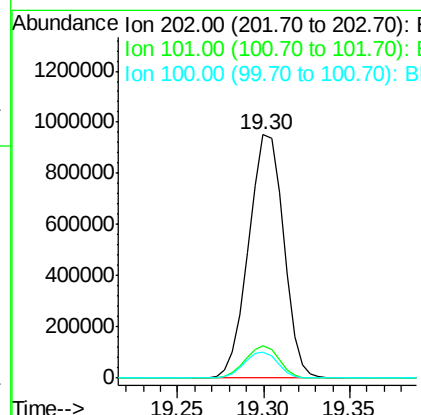
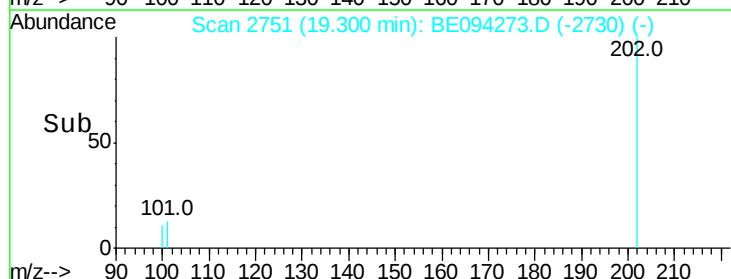
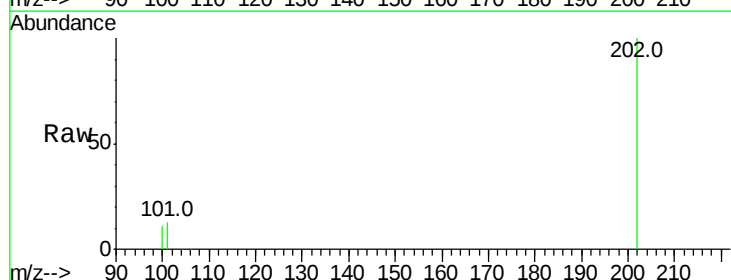
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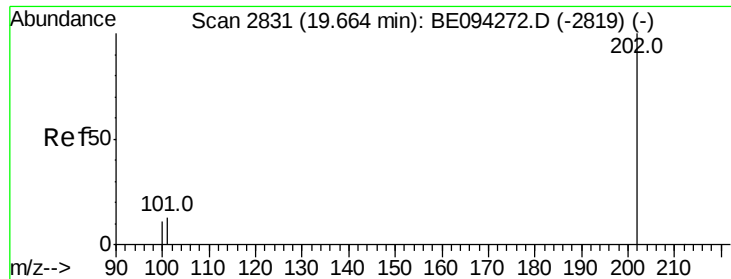
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#15
 Fluoranthene
 Concen: 30.570 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BE094273.D
 Acq: 11 Oct 2017 4:42

Tgt Ion:202 Resp: 1336654
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 30.3
 100 10.8 0.0 39.5





#17

Pvrene

Concen: 31.054 ng/ul

RT: 19.66 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Instrument :

BNA_E

ClientSampled :

C0AD3

Tot Ion:202 Resp: 1113467

Ion Ratio Lower Upper

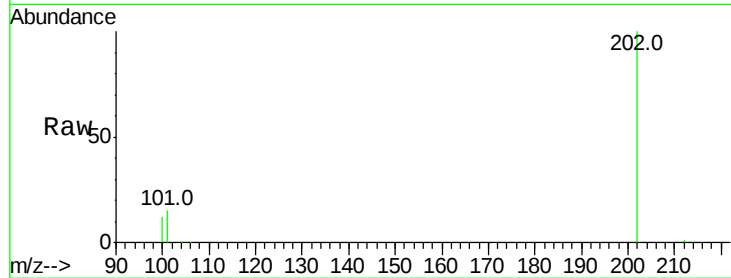
202 100

101 14.6 18.2 27.4#

100 12.3 15.6 23.4#

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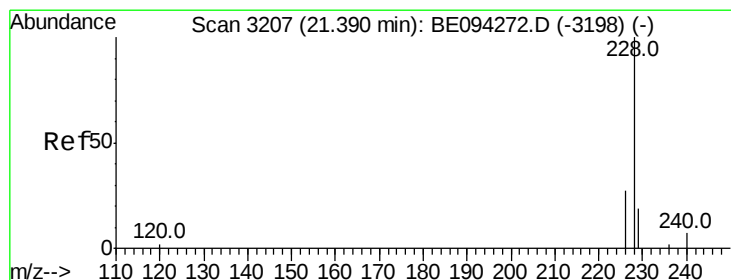
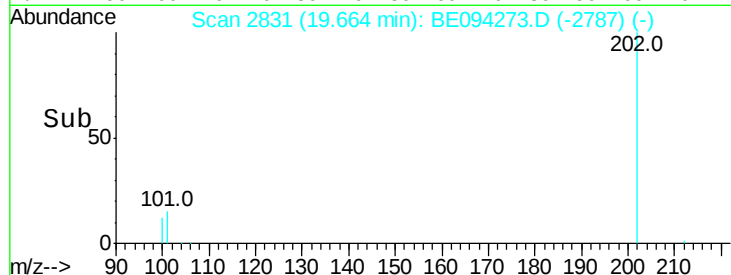
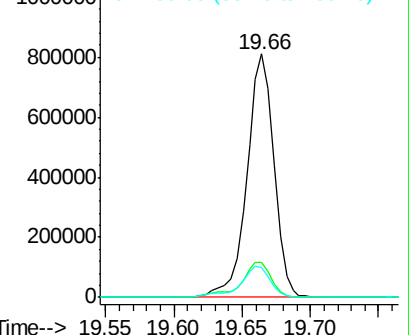
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 17.428 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

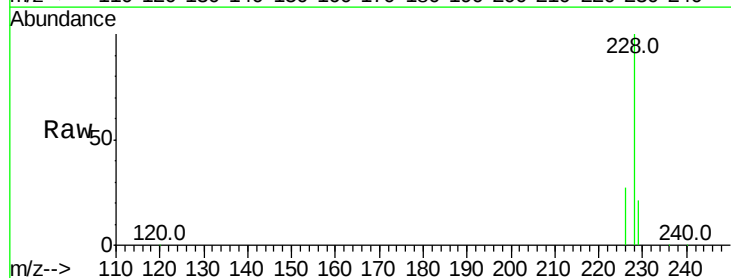
Tgt Ion:228 Resp: 595830

Ion Ratio Lower Upper

228 100

229 20.9 22.8 34.2#

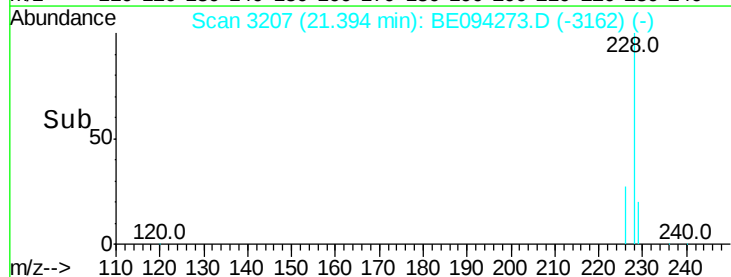
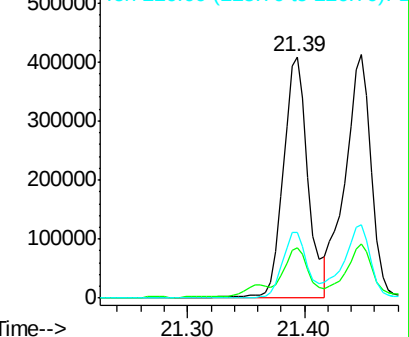
226 27.5 17.0 25.6#

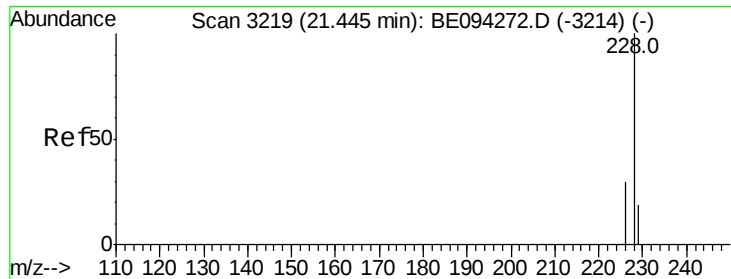


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 16.257 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

Instrument :

BNA_E

ClientSampled :

C0AD3

Tot Ion:228 Resp: 641834

Ion Ratio Lower Upper

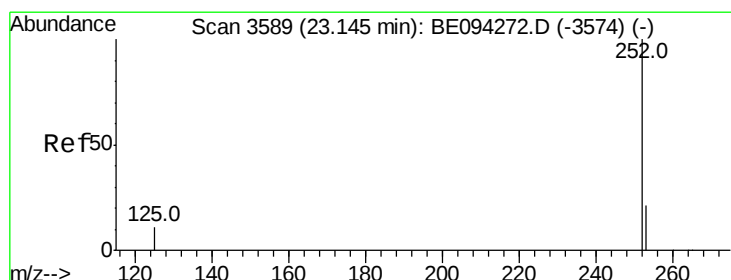
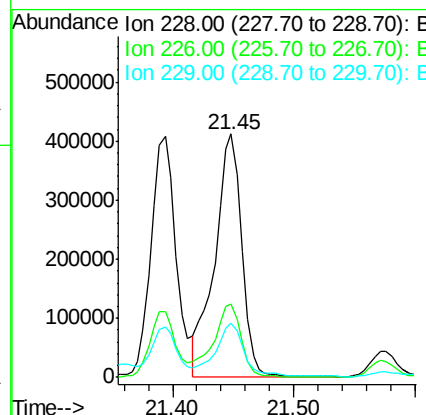
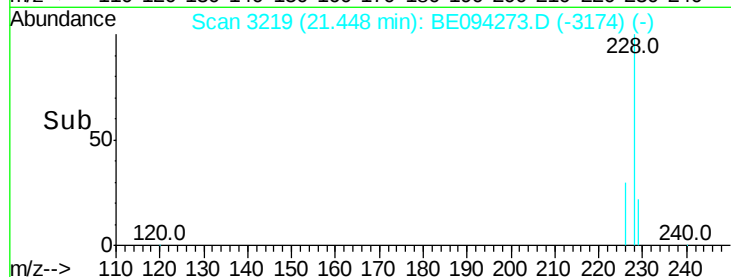
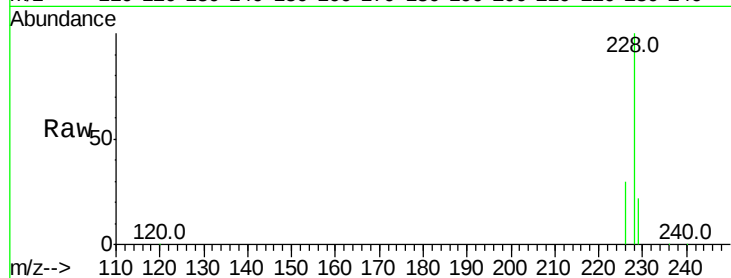
228 100

226 30.3 23.4 35.0

229 22.1 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 18.173 ng/ul

RT: 23.15 min Scan# 3590

Delta R.T. 0.01 min

Lab File: BE094273.D

Acq: 11 Oct 2017 4:42

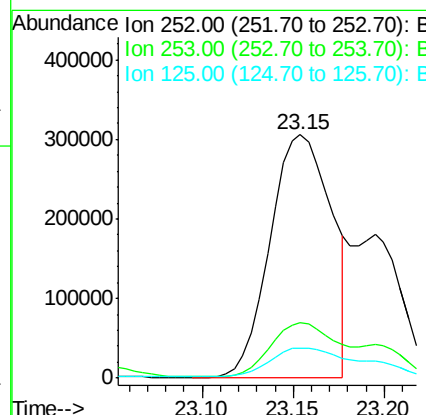
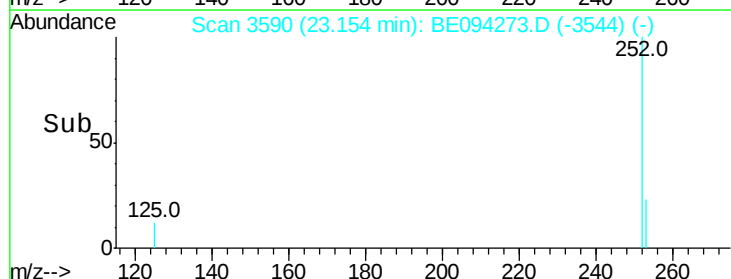
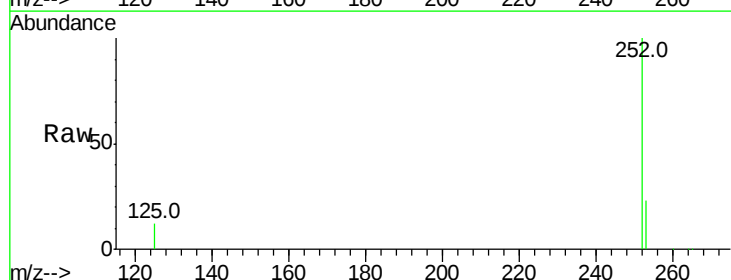
Tgt Ion:252 Resp: 716234

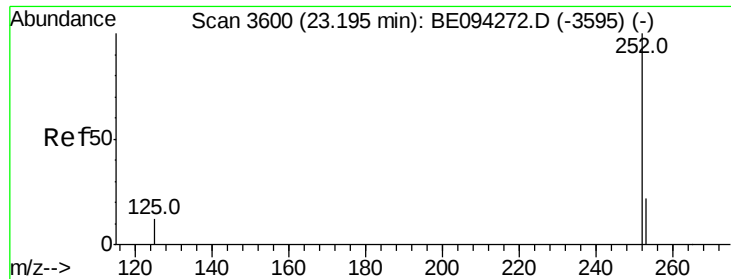
Ion Ratio Lower Upper

252 100

253 22.9 0.0 64.2

125 12.4 0.0 35.0





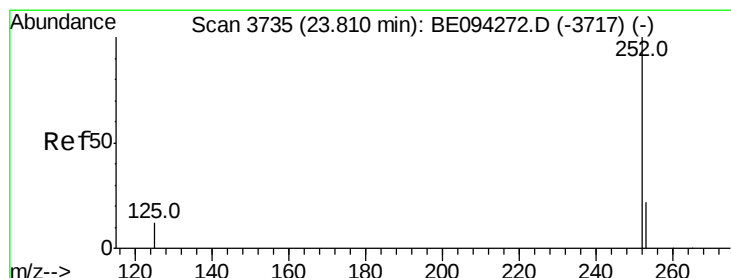
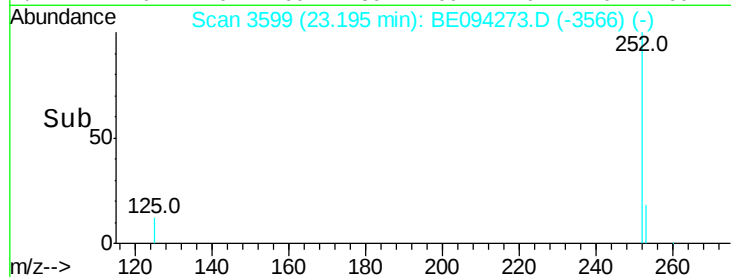
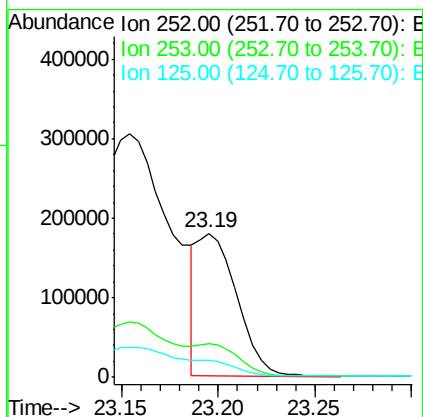
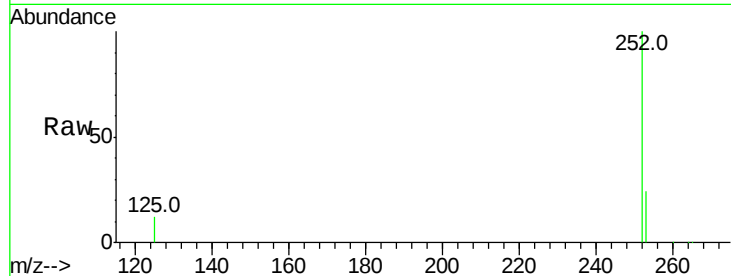
#22
Benzo(k)fluoranthene
Concen: 5.620 ng/ul m
RT: 23.19 min Scan# 3599
Delta R.T. 0.00 min
Lab File: BE094273.D
Acq: 11 Oct 2017 4:42

Instrument :
BNA_E
ClientSampled :
C0AD3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	24.5	36.7#
125	12.2	13.7	20.5#

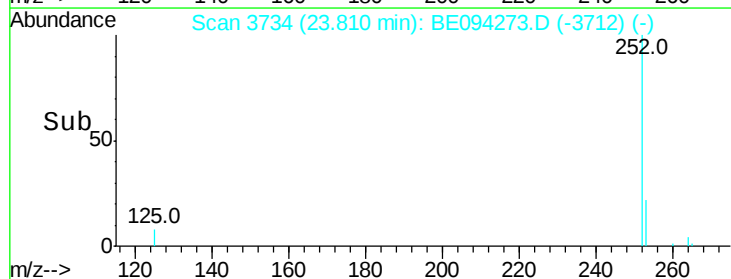
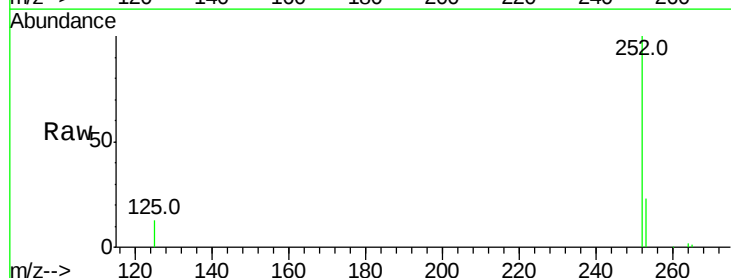
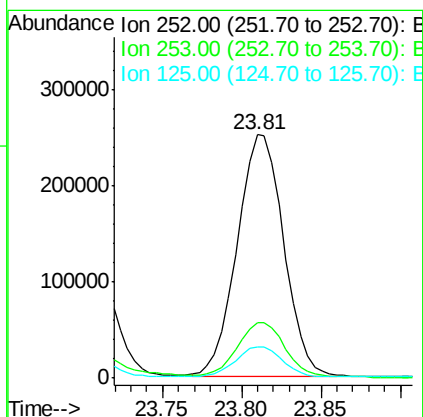
Manual Integrations
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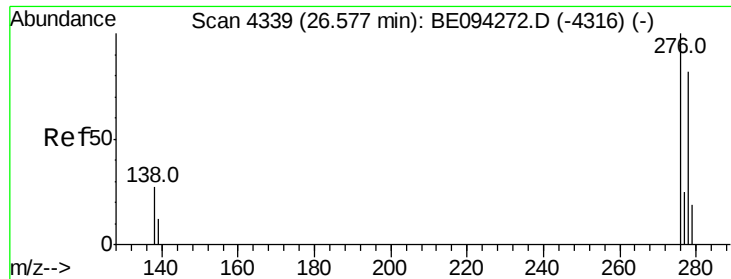
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#23
Benzo(a)pyrene
Concen: 12.484 ng/ul m
RT: 23.81 min Scan# 3734
Delta R.T. 0.00 min
Lab File: BE094273.D
Acq: 11 Oct 2017 4:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	28.5	42.7#
125	12.9	18.1	27.1#





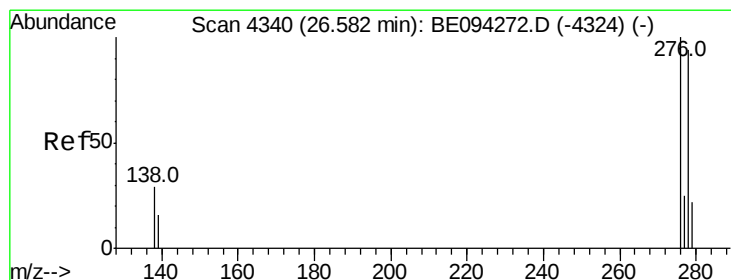
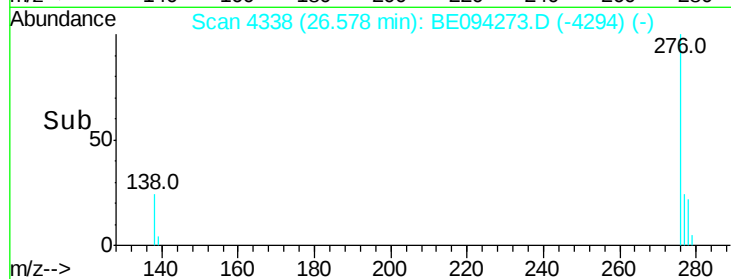
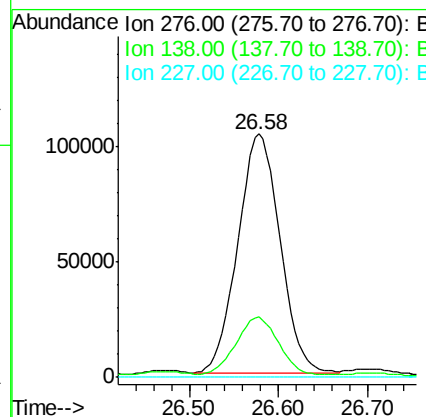
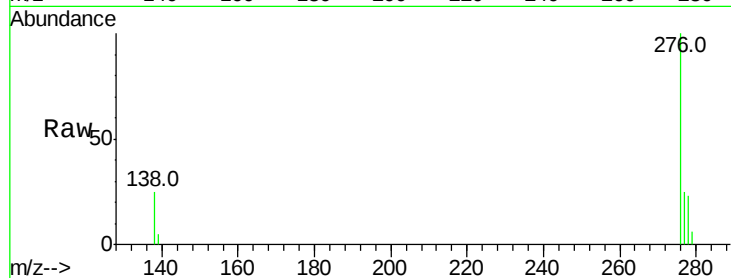
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 8.134 ng/ul m
 RT: 26.58 min Scan# 4338
 Delta R.T. 0.00 min
 Lab File: BE094273.D
 Acq: 11 Oct 2017 4:42

Instrument :
 BNA_E
 ClientSampleId :
 C0AD3

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	0.7	28.0	42.0#
227	0.0	8.0	12.0#

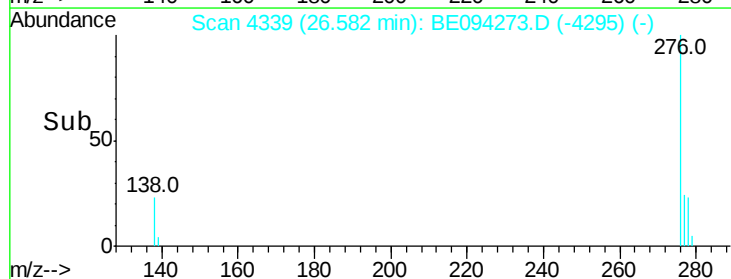
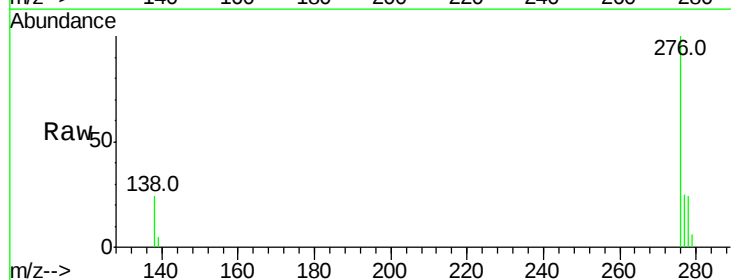
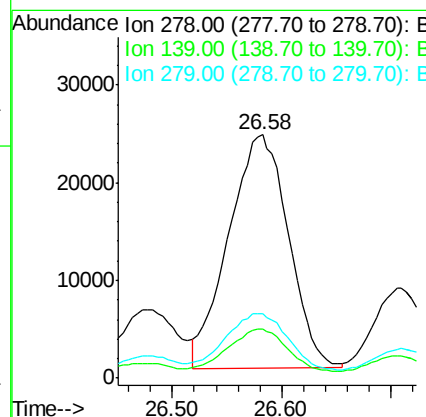
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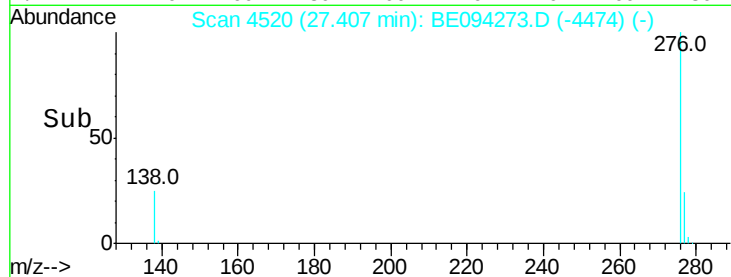
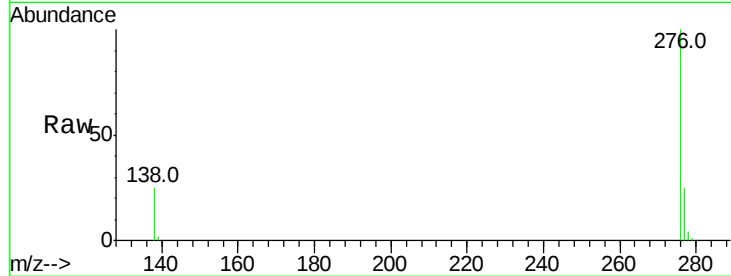
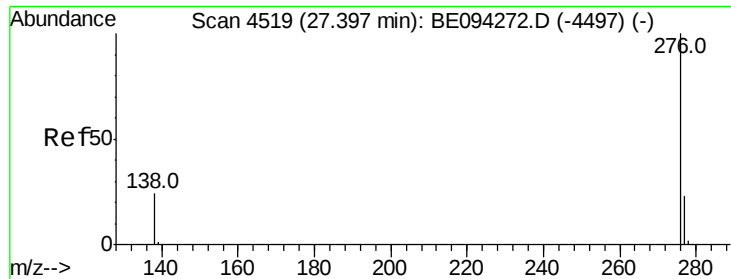
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#25
 Dibenzo(a,h)anthracene
 Concen: 2.588 ng/ul m
 RT: 26.58 min Scan# 4339
 Delta R.T. 0.00 min
 Lab File: BE094273.D
 Acq: 11 Oct 2017 4:42

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.0	17.4	26.0
279	26.3	25.9	38.9





#26
Benzo(a,h,i)perylene
Concen: 7.648 ng/ul m
RT: 27.41 min Scan# 4520
Delta R.T. 0.01 min
Lab File: BE094273.D
Acq: 11 Oct 2017 4:42

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.4	21.8	32.8
277	24.5	20.5	30.7

Instrument :
BNA_E
ClientSampleId :
C0AD3

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