

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101317\
 Data File : BE094335.D
 Acq On : 13 Oct 2017 22:26
 Operator : SJ/JU
 Sample : I5568-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-29(1-3)-092917

Manual Integrations
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Quant Time: Oct 14 04:29:31 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	1904	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	9241	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.54	164	5672	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	10763	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	9372	0.40	ng/ul	0.00
20) Perylene-d12	24.00	264	14719m	0.40	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	3181	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	6336	0.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.76	128	33353	1.47	ng/ul#	92
5) 2-Methylnaphthalene	12.37	142	17029	1.16	ng/ul	99
7) Acenaphthylene	14.26	152	7202	0.33	ng/ul#	83
8) Acenaphthene	14.60	153	88058	4.84	ng/ul	97
9) Fluorene	15.58	166	86058	4.04	ng/ul#	92
12) Phenanthrene	17.31	178	1142651	40.63	ng/ul#	87
13) Anthracene	17.40	178	328469	12.01	ng/ul#	88
15) Fluoranthene	19.34	202	2785841	75.38	ng/ul	84
17) Pyrene	19.70	202	2460456	94.36	ng/ul#	82
18) Benzo(a)anthracene	21.43	228	1830025	73.60	ng/ul#	87
19) Chrysene	21.49	228	1685887	58.72	ng/ul	97
21) Benzo(b)fluoranthene	23.23	252	2112306	52.83	ng/ul	87
22) Benzo(k)fluoranthene	23.27	252	794261m	17.19	ng/ul	
23) Benzo(a)pyrene	23.90	252	1566575m	37.70	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.73	276	907736m	21.36	ng/ul	
25) Dibenzo(a,h)anthracene	26.72	278	274575m	7.70	ng/ul	
26) Benzo(g,h,i)perylene	27.58	276	782050m	21.33	ng/ul	

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

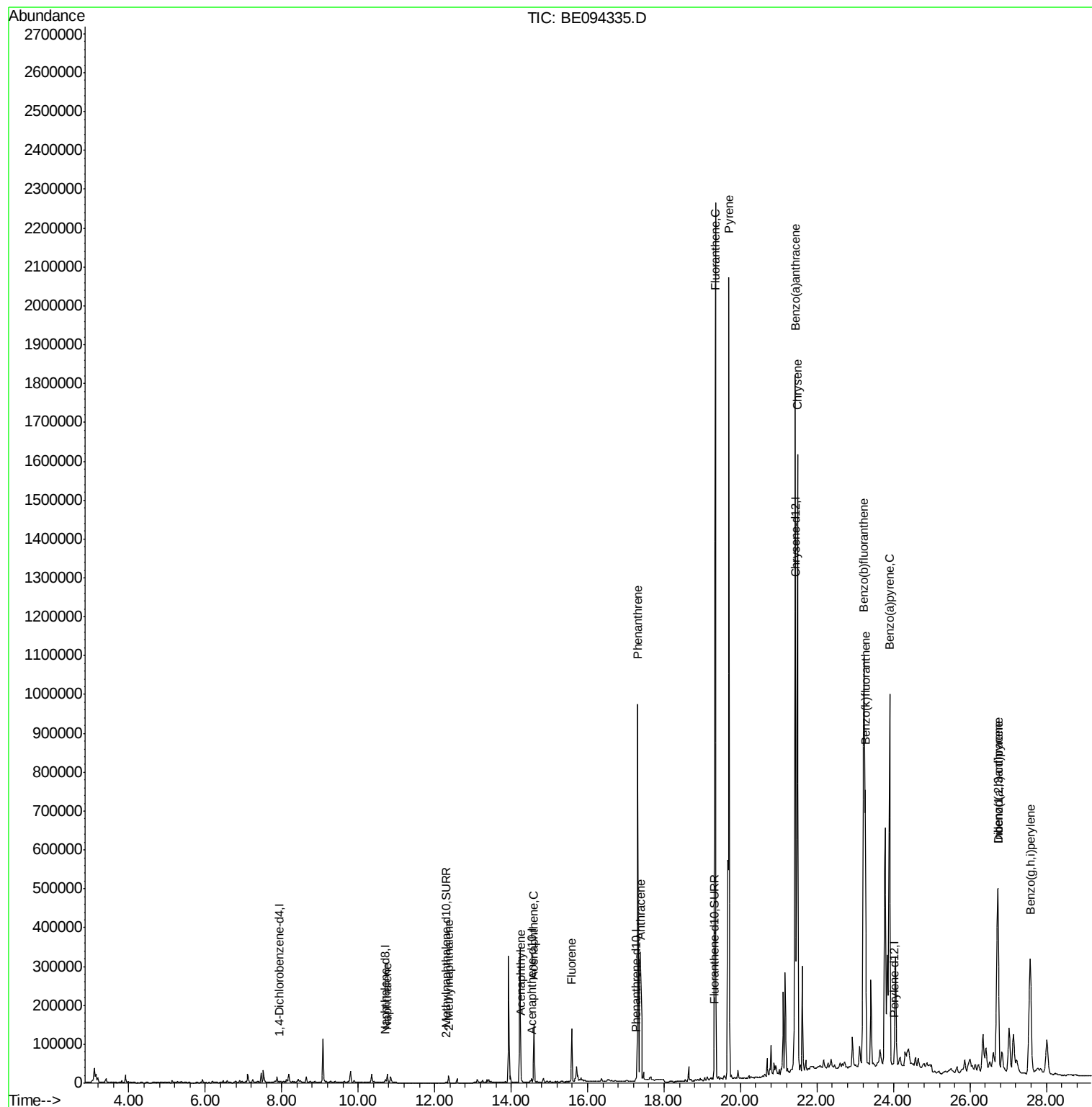
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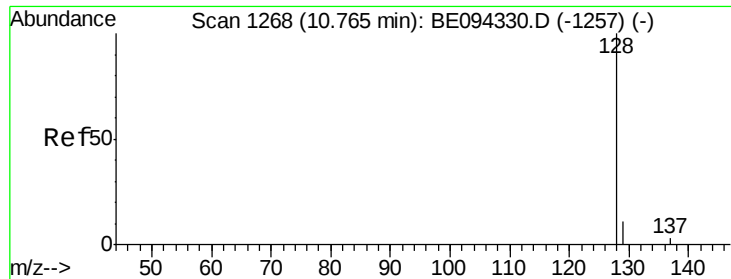
Instrument :
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#3

Naphthalene

Concen: 1.47 ng/ul

RT: 10.76 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

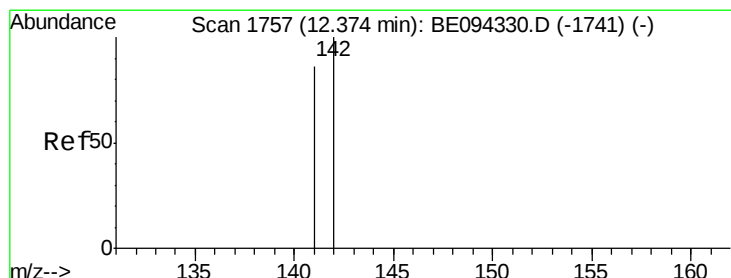
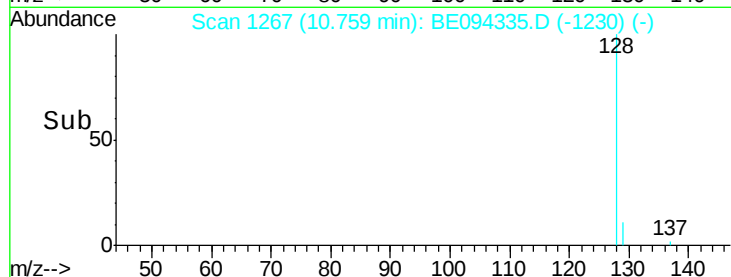
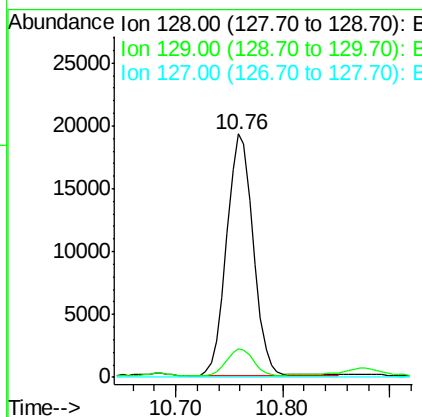
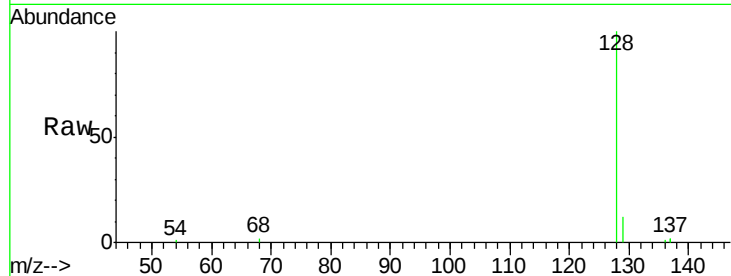
ClientSampleId :

B-29(1-3)-092917

Tgt Ion:	128	Resp:	33353
Ion Ratio	Lower	Upper	
128	100		
129	11.9	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 1.16 ng/ul

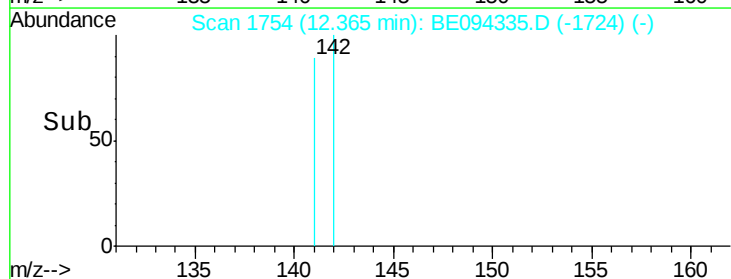
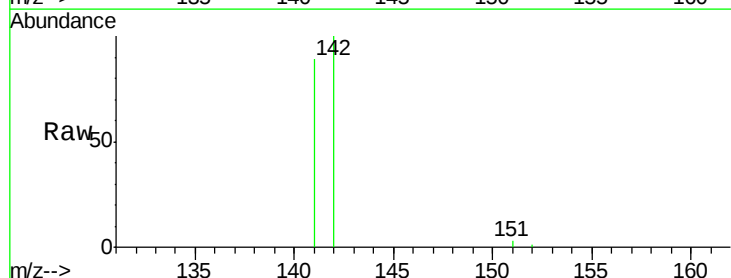
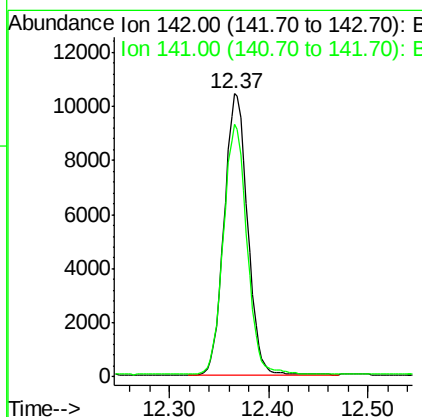
RT: 12.37 min Scan# 1754

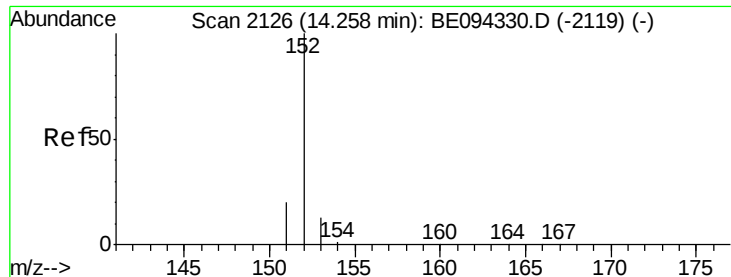
Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Tgt Ion:	142	Resp:	17029
Ion Ratio	Lower	Upper	
142	100		
141	89.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.33 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

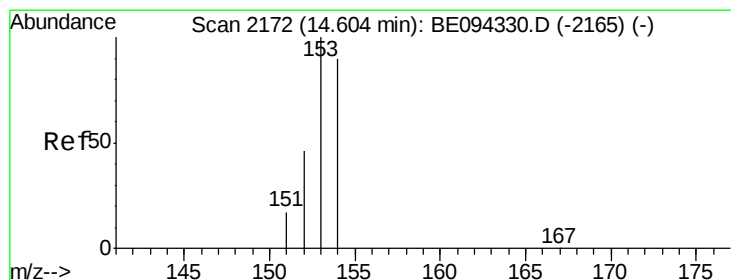
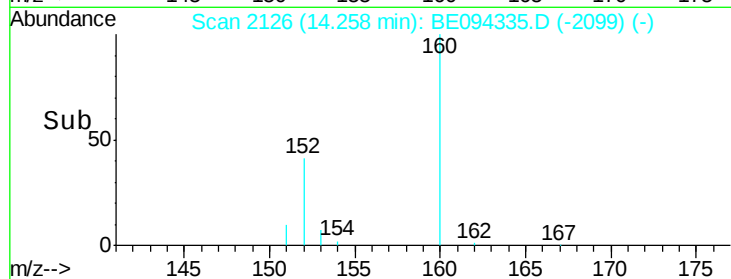
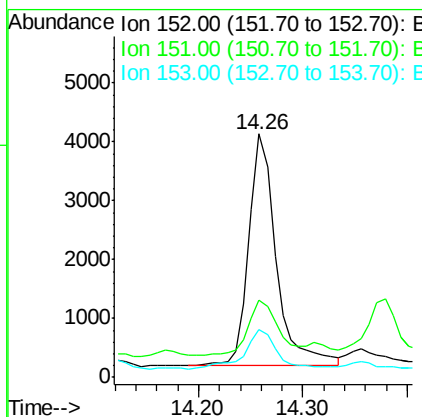
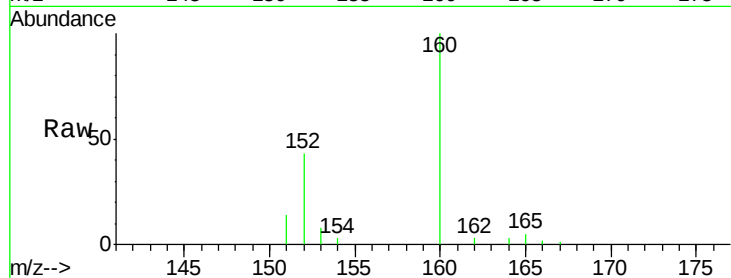
ClientSampleId :

B-29(1-3)-092917

Tgt Ion:	152	Resp:	7202
Ion Ratio	Lower	Upper	
152	100		
151	31.9	17.1	25.7#
153	19.9	12.8	19.2#

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#8

Acenaphthene

Concen: 4.84 ng/ul

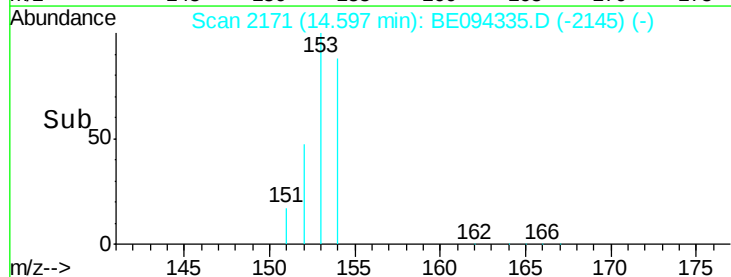
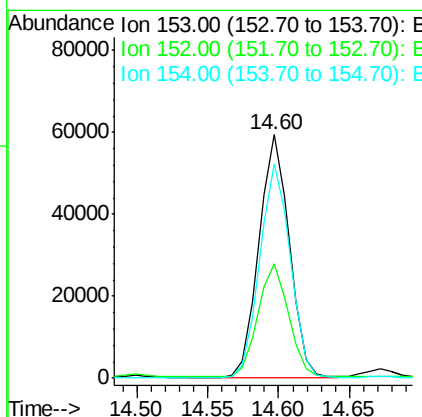
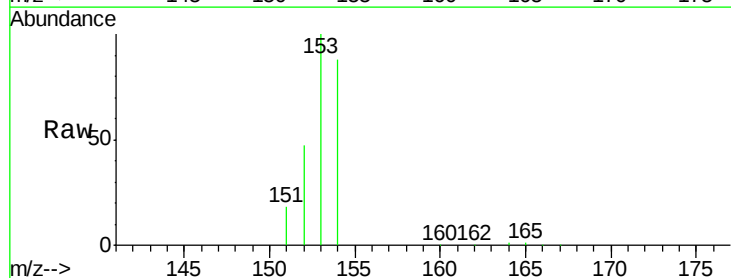
RT: 14.60 min Scan# 2171

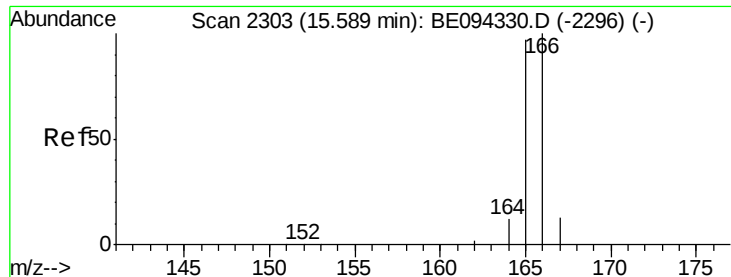
Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Tgt Ion:	153	Resp:	88058
Ion Ratio	Lower	Upper	
153	100		
152	46.9	40.3	60.5
154	87.8	71.4	107.2





#9

Fluorene

Concen: 4.04 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

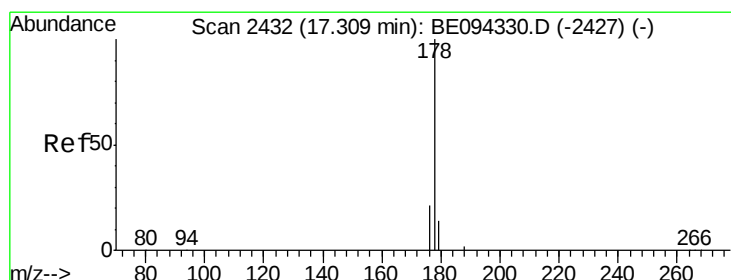
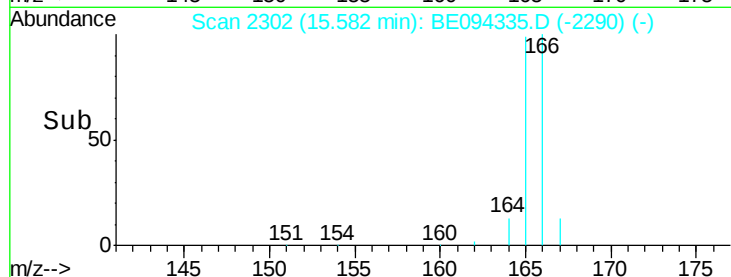
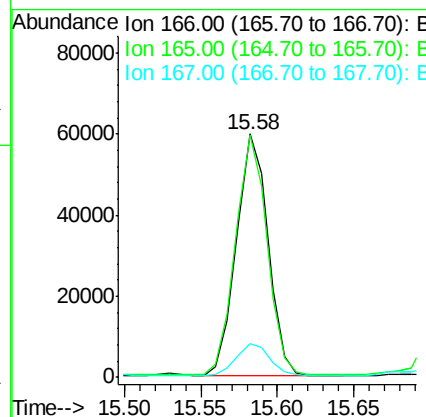
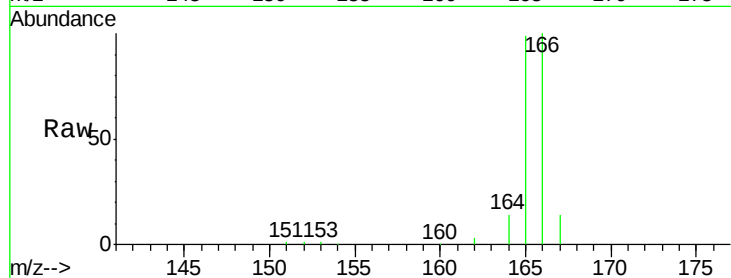
ClientSampleId :

B-29(1-3)-092917

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	73.4	110.2
167	14.0	14.6	22.0

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#12

Phenanthrene

Concen: 40.63 ng/ul

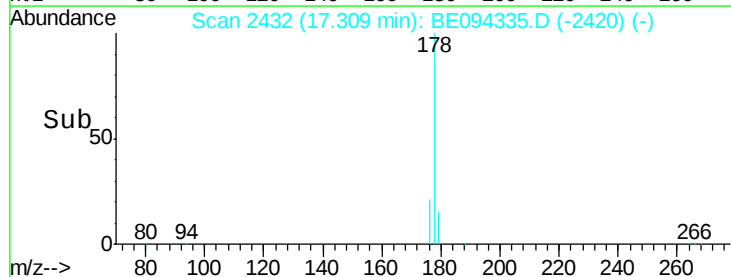
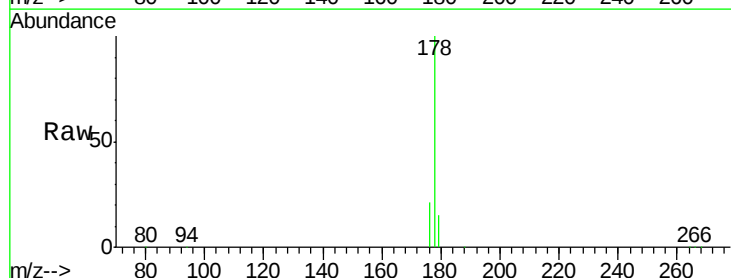
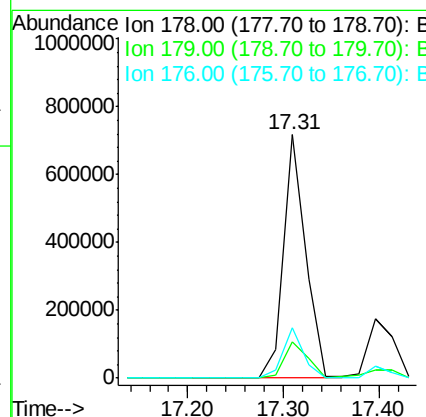
RT: 17.31 min Scan# 2432

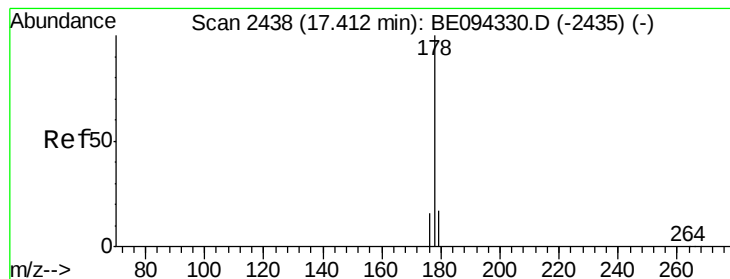
Delta R.T. 0.00 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.7	18.4	27.6
176	20.7	13.6	20.4





#13

Anthracene

Concen: 12.01 ng/ul

RT: 17.40 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

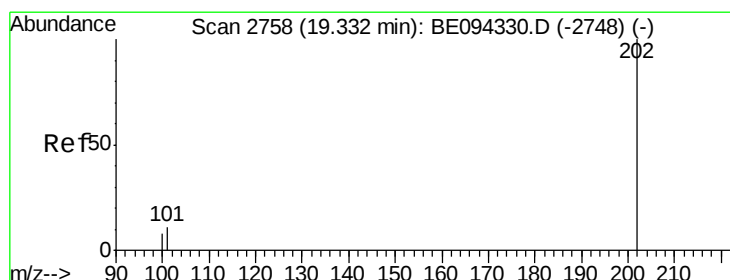
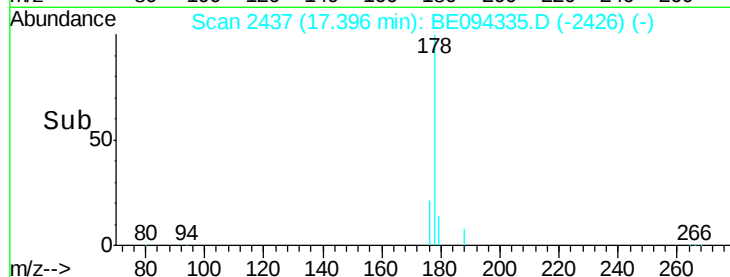
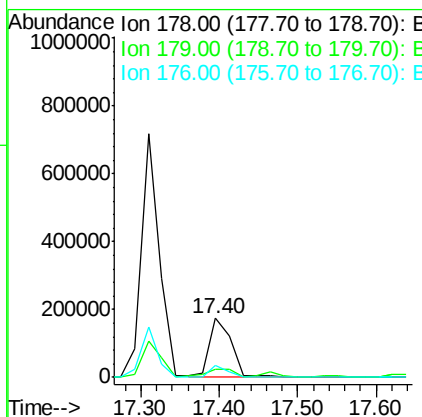
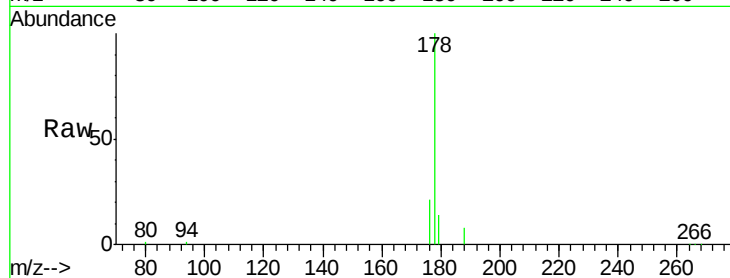
ClientSampleId :

B-29(1-3)-092917

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	18.1	27.1#
176	21.1	14.7	22.1

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#15

Fluoranthene

Concen: 75.38 ng/ul

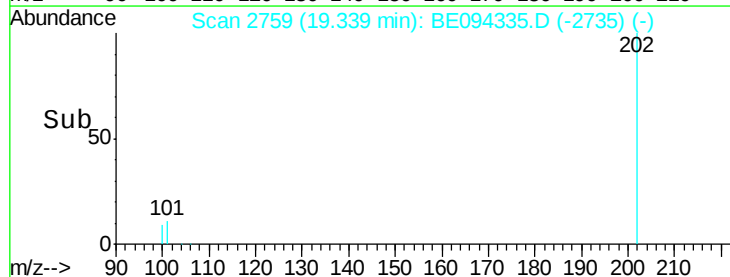
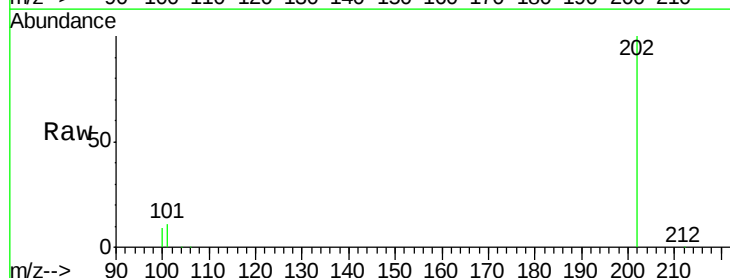
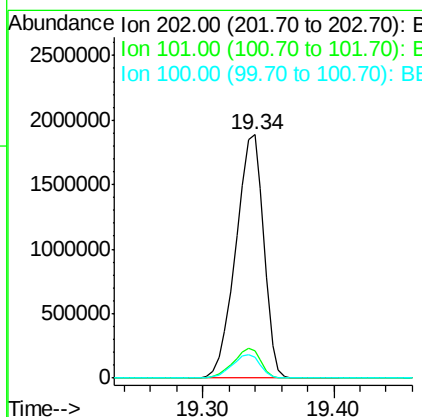
RT: 19.34 min Scan# 2759

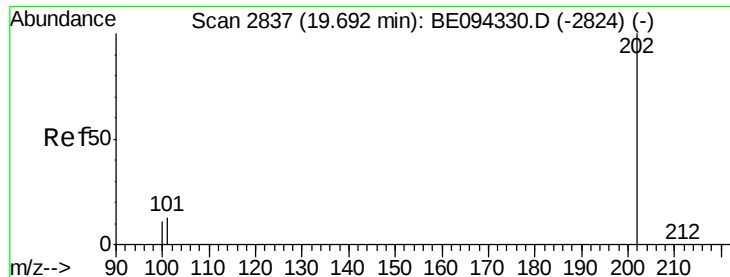
Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.3
100	8.6	0.0	39.5





#17

Pyrene

Concen: 94.36 ng/ul

RT: 19.70 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

B-29(1-3)-092917

Tgt Ion: 202 Resp: 2460456

Ion Ratio Lower Upper

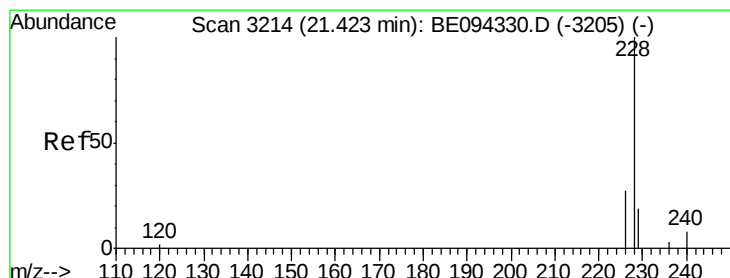
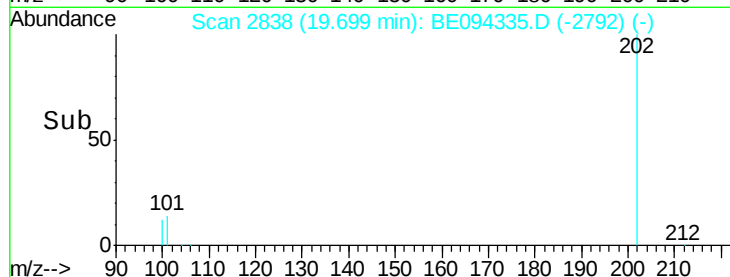
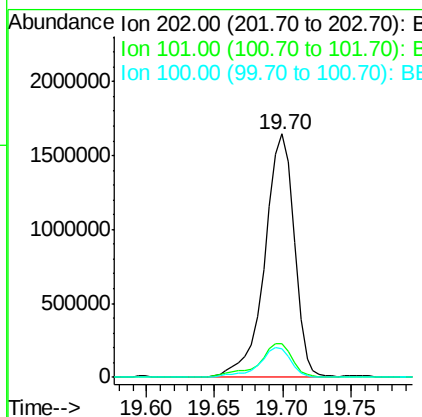
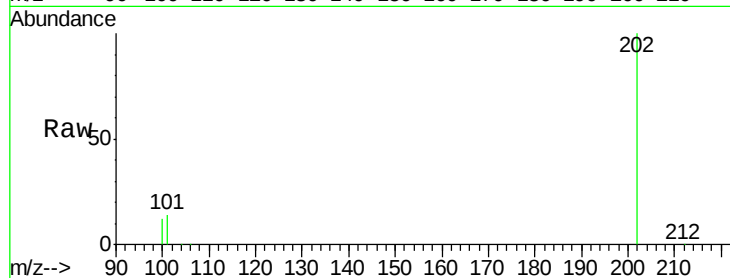
202 100

101 13.7 18.2 27.4#

100 11.7 15.6 23.4#

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#18

Benzo(a)anthracene

Concen: 73.60 ng/ul

RT: 21.43 min Scan# 3215

Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

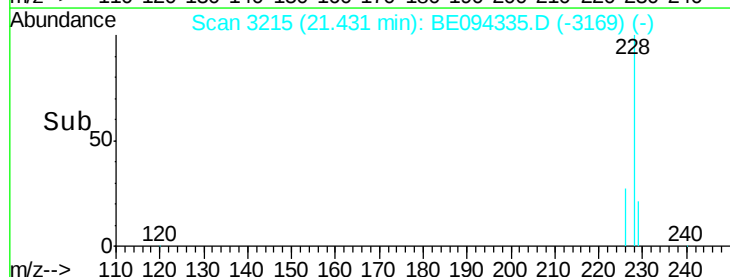
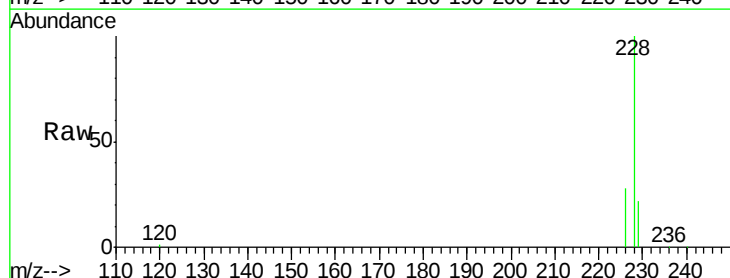
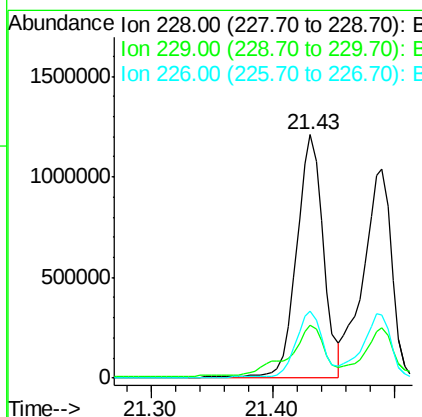
Tgt Ion: 228 Resp: 1830025

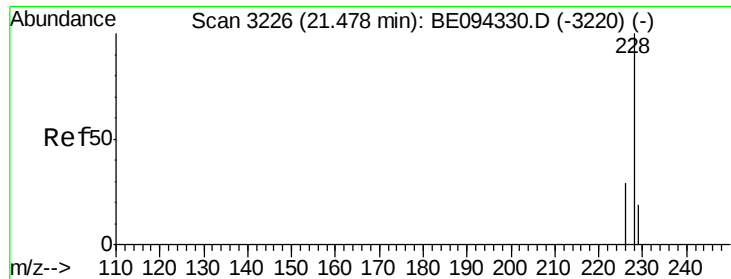
Ion Ratio Lower Upper

228 100

229 21.7 22.8 34.2#

226 27.7 17.0 25.6#





#19

Chrysene

Concen: 58.72 ng/ul

RT: 21.49 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

B-29(1-3)-092917

Tgt Ion:228 Resp: 1685887

Ion Ratio Lower Upper

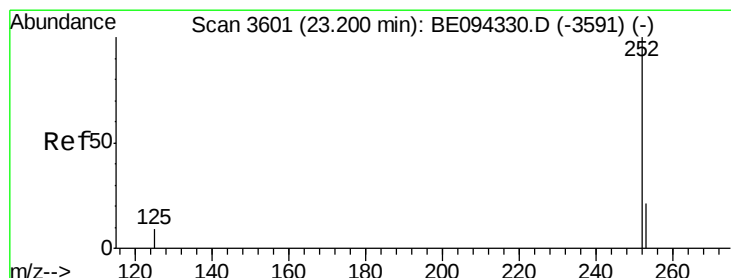
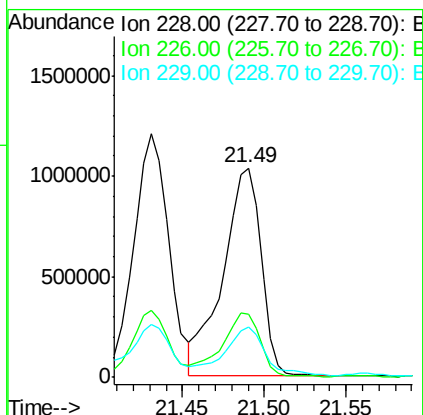
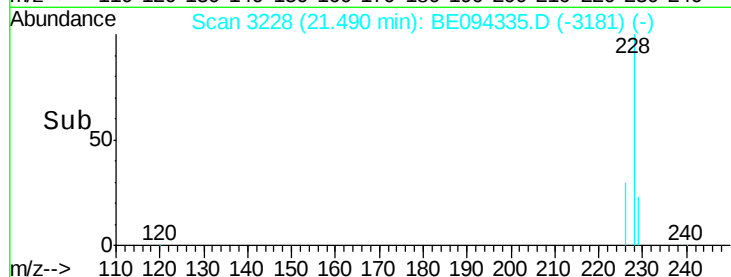
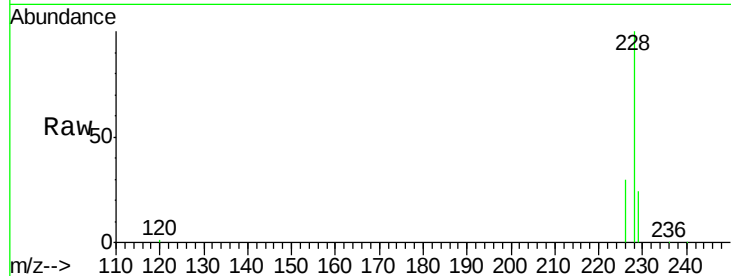
228 100

226 30.3 23.4 35.0

229 23.9 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 52.83 ng/ul

RT: 23.23 min Scan# 3606

Delta R.T. 0.03 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

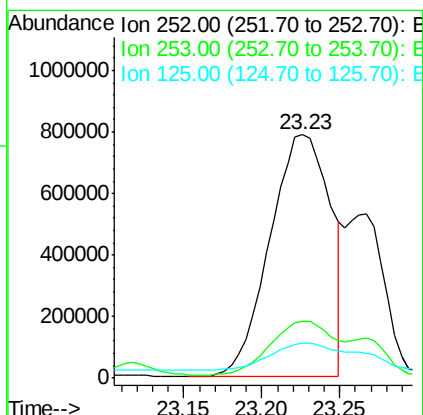
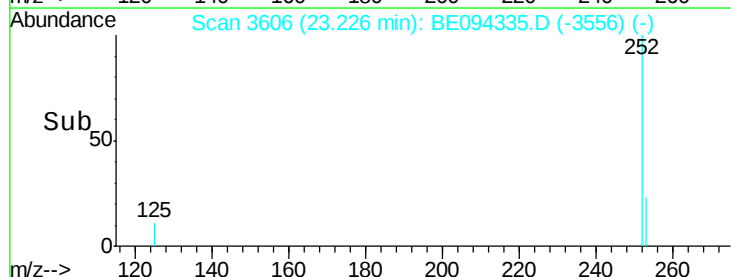
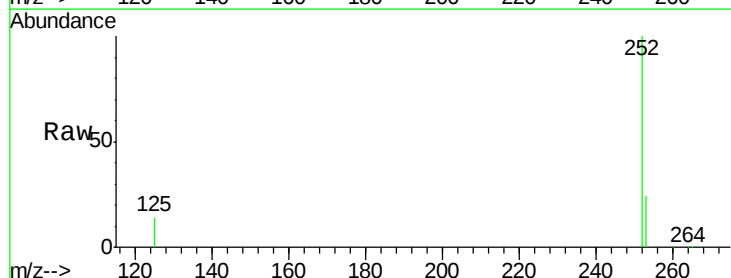
Tgt Ion:252 Resp: 2112306

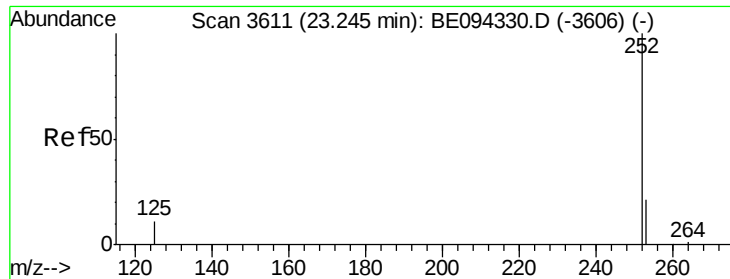
Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

125 14.2 0.0 35.0





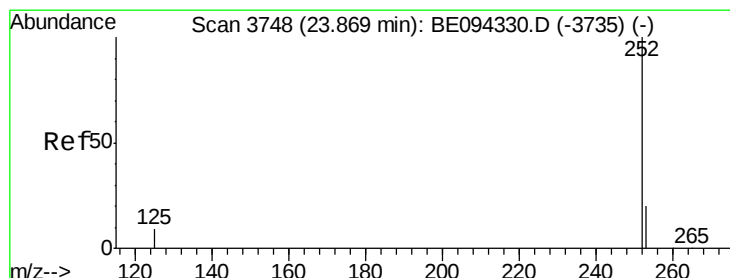
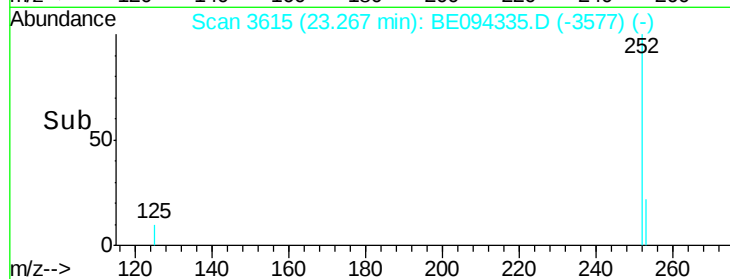
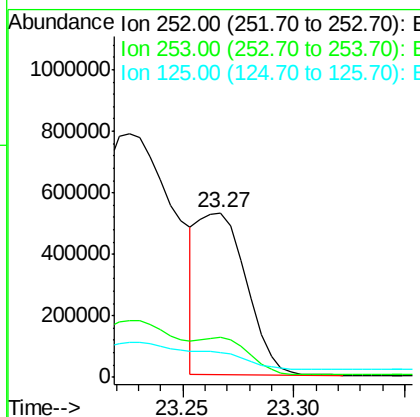
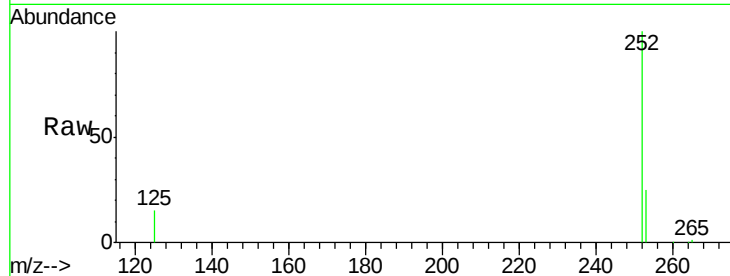
#22
Benzo(k)fluoranthene
Concen: 17.19 ng/ul m
RT: 23.27 min Scan# 3615
Delta R.T. 0.02 min
Lab File: BE094335.D
Acq: 13 Oct 2017 22:26

Instrument :
BNA_E
ClientSampleId :
B-29(1-3)-092917

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	24.5	36.7
125	15.3	13.7	20.5

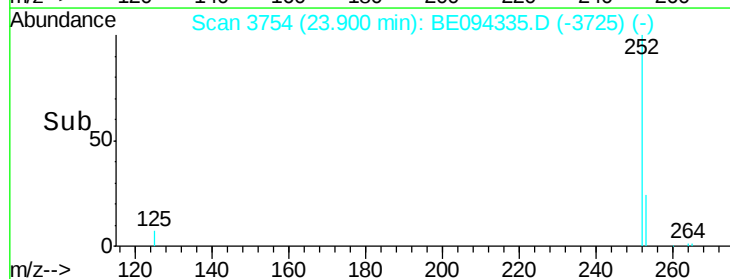
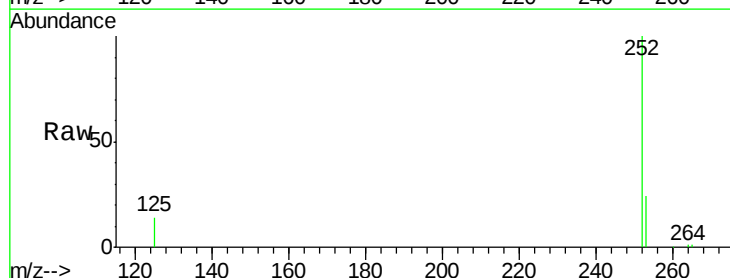
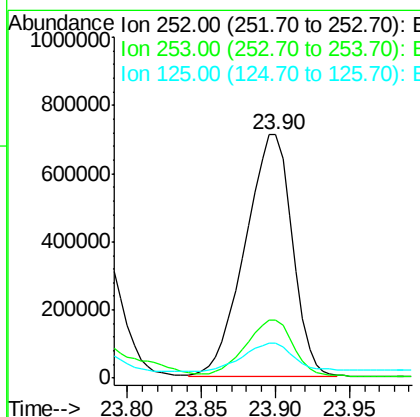
Manual Integrations
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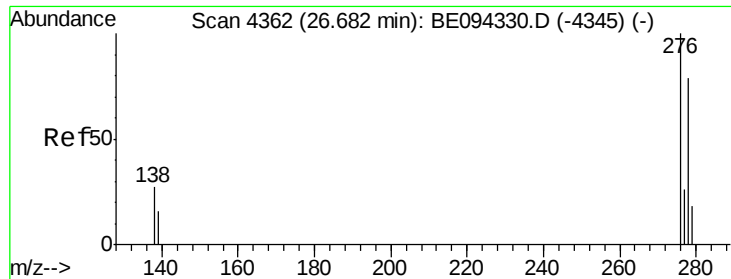
Sohil
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#23
Benzo(a)pyrene
Concen: 37.70 ng/ul m
RT: 23.90 min Scan# 3754
Delta R.T. 0.03 min
Lab File: BE094335.D
Acq: 13 Oct 2017 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	28.5	42.7#
125	14.4	18.1	27.1#





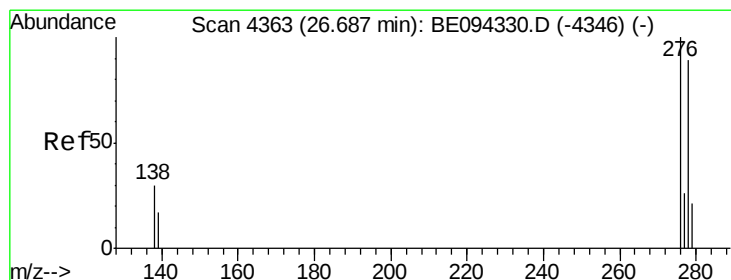
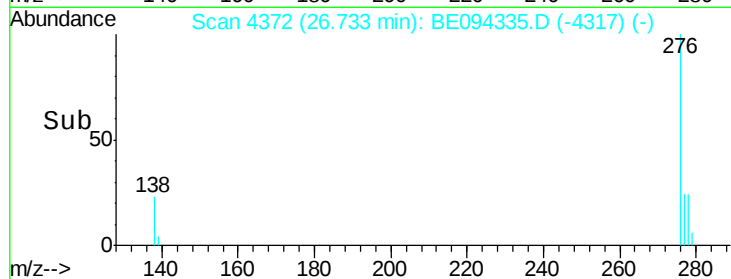
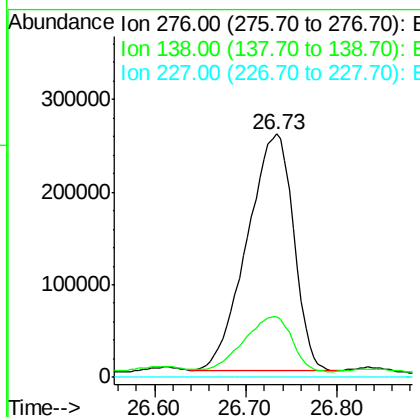
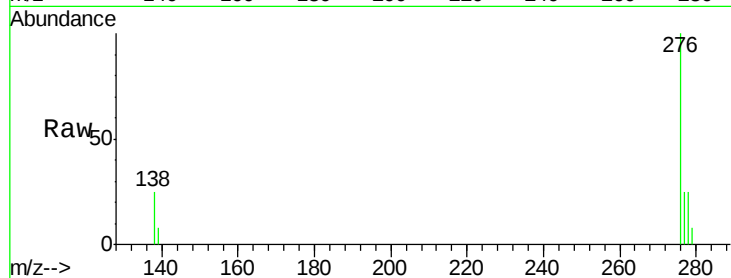
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 21.36 ng/ul m
 RT: 26.73 min Scan# 4372
 Delta R.T. 0.05 min
 Lab File: BE094335.D
 Acq: 13 Oct 2017 22:26

Instrument :
 BNA_E
 ClientSampleId :
 B-29(1-3)-092917

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

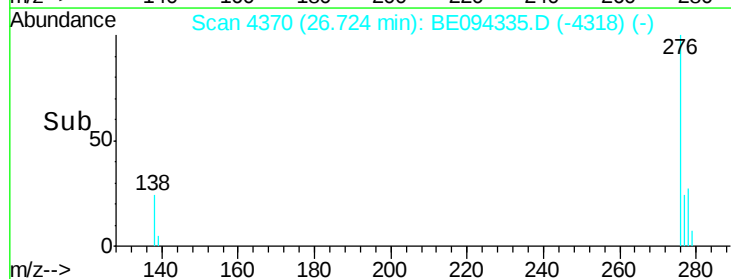
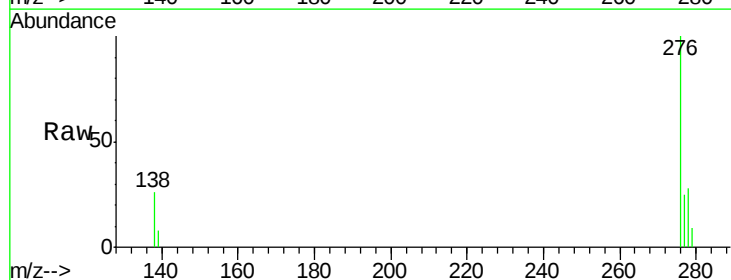
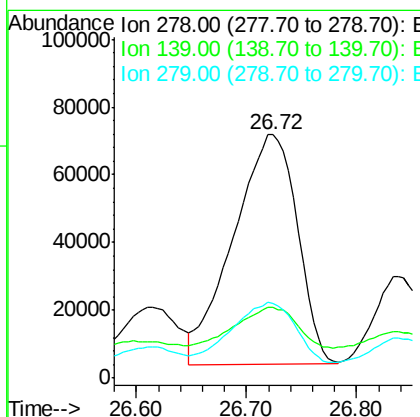
Manual Integrations
 APPROVED

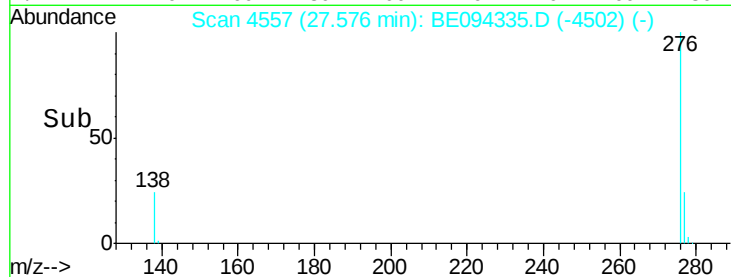
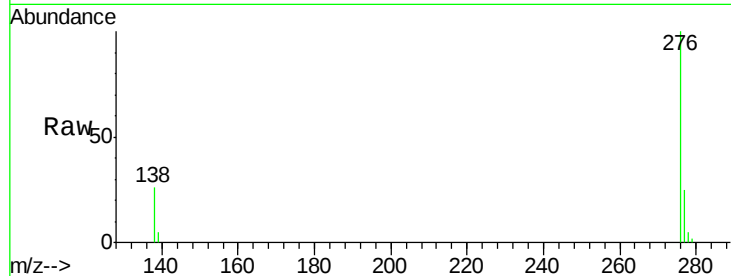
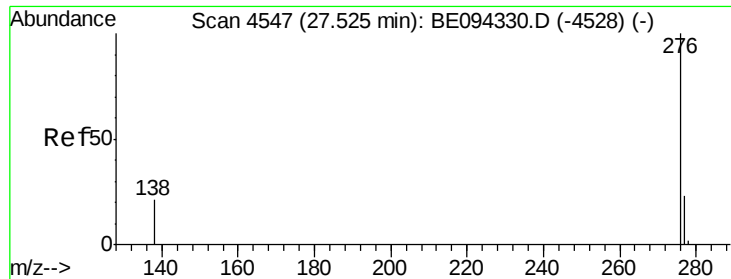
Sohil
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#25
 Dibenzo(a,h)anthracene
 Concen: 7.70 ng/ul m
 RT: 26.72 min Scan# 4370
 Delta R.T. 0.04 min
 Lab File: BE094335.D
 Acq: 13 Oct 2017 22:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	28.9	17.4	26.0#
279	30.5	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 21.33 ng/ul m

RT: 27.58 min Scan# 4557

Delta R.T. 0.05 min

Lab File: BE094335.D

Acq: 13 Oct 2017 22:26

Instrument :

BNA_E

ClientSampleId :

B-29(1-3)-092917

Tgt	Ion	Ratio	Resp:	Lower	Upper
276	100		782050		
138	26.1	21.8	32.8		
277	25.3	20.5	30.7		

Manual Integrations
APPROVED

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