

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094217.D
 Acq On : 9 Oct 2017 11:12
 Operator : SJ/JU
 Sample : I5449-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-41(0-1)-092617DL

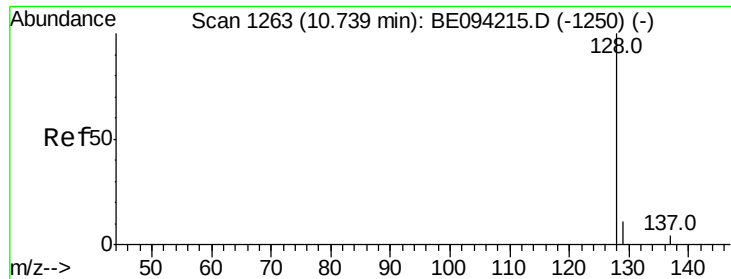
Manual Integrations
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Quant Time: Oct 10 09:09:10 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 09 04:05:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1214	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	6650	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	3918	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8052	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	9198	0.40	ng/ul	0.00
20) Perylene-d12	23.94	264	7833	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	470	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	1101	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	9601	0.589	ng/ul#	93
5) 2-Methylnaphthalene	12.35	142	3842	0.364	ng/ul	96
7) Acenaphthylene	14.24	152	8268	0.541	ng/ul	99
8) Acenaphthene	14.58	153	7239	0.576	ng/ul	97
9) Fluorene	15.57	166	7551	0.513	ng/ul	92
11) Pentachlorophenol	16.96	266	258	0.273	ng/ul	88
12) Phenanthrene	17.29	178	171220	8.137	ng/ul#	89
13) Anthracene	17.38	178	46362	2.265	ng/ul#	90
15) Fluoranthene	19.31	202	443795	16.052	ng/ul	84
17) Pyrene	19.67	202	414408	16.193	ng/ul#	81
18) Benzo(a)anthracene	21.40	228	280945	11.514	ng/ul#	86
19) Chrysene	21.45	228	268798	9.539	ng/ul	97
21) Benzo(b)fluoranthene	23.17	252	377360m	17.734	ng/ul	
22) Benzo(k)fluoranthene	23.21	252	130023m	5.287	ng/ul	
23) Benzo(a)pyrene	23.83	252	271703	12.288	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.60	276	180093	7.962	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.60	278	47715	2.515	ng/ul#	91
26) Benzo(g,h,i)perylene	27.44	276	155021	7.946	ng/ul	97

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



#3

Naphthalene

Concen: 0.589 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

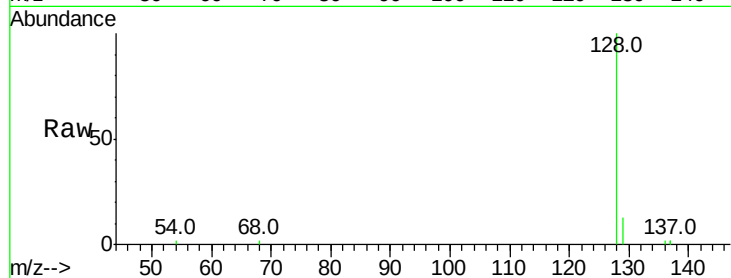
ClientSampleId :

B-41(0-1)-092617DL

Tot Ion:	128	Resp:	9601
Ion Ratio	Lower	Upper	
128	100		
129	12.6	11.3	16.9
127	0.0	4.0	6.0#

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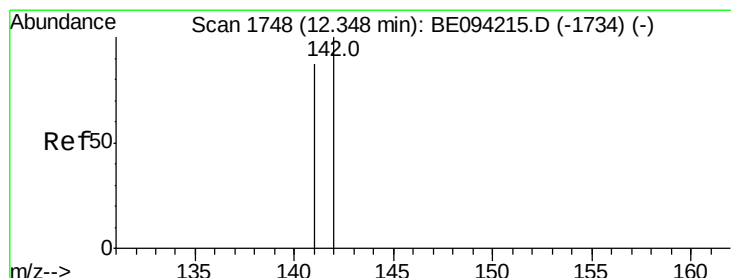
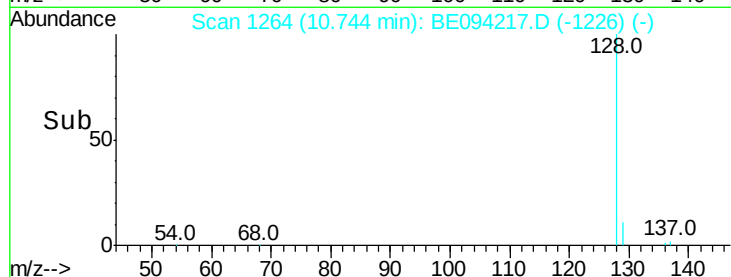
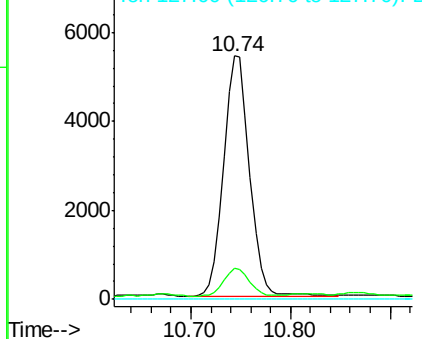
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.364 ng/ul

RT: 12.35 min Scan# 1749

Delta R.T. -0.01 min

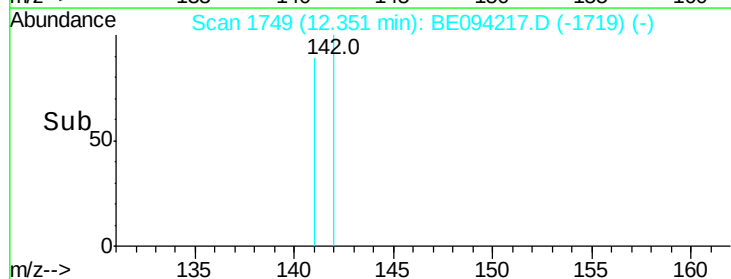
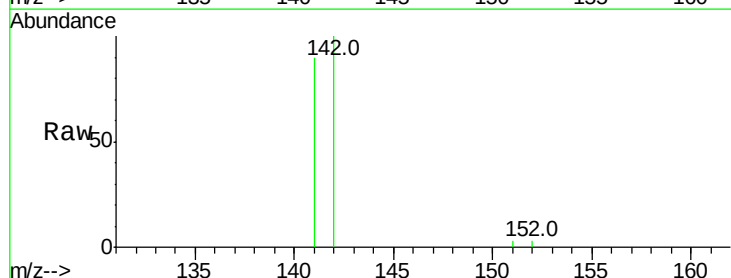
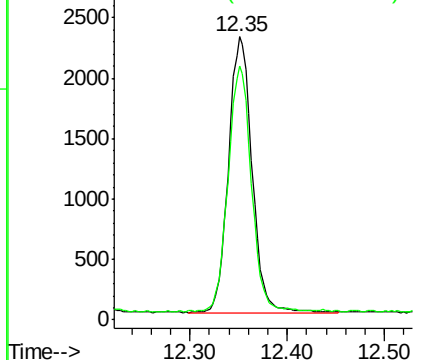
Lab File: BE094217.D

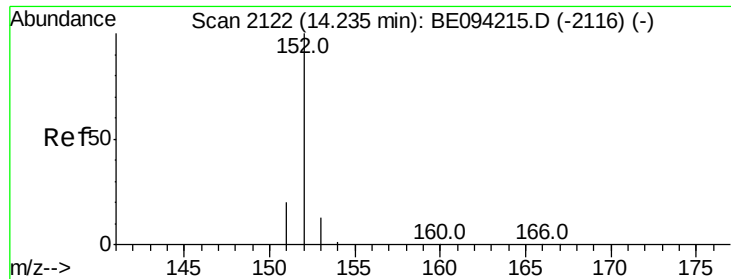
Acq: 9 Oct 2017 11:12

Tgt Ion:	142	Resp:	3842
Ion Ratio	Lower	Upper	
142	100		
141	87.1	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: 0.541 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

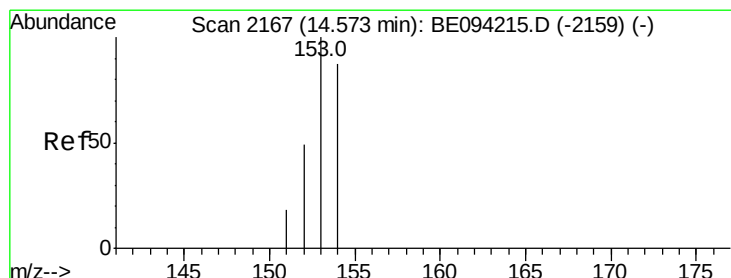
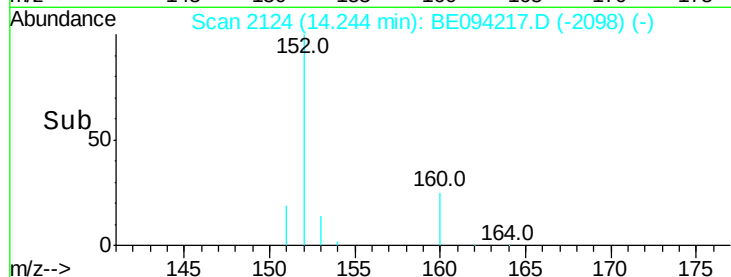
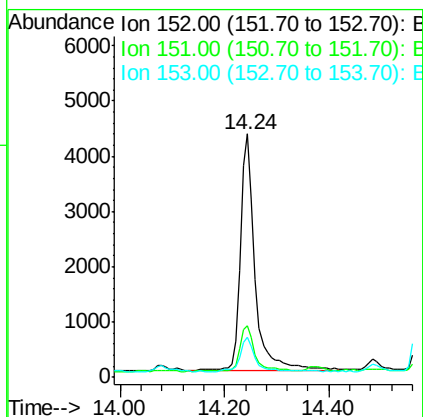
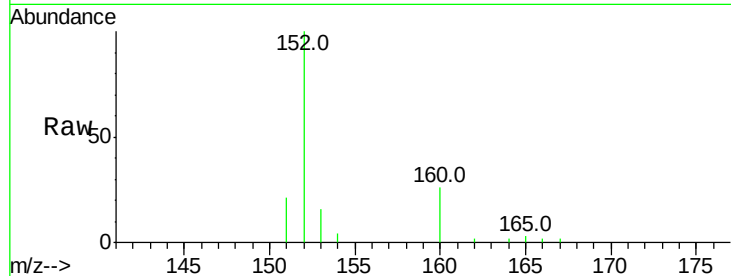
ClientSampleId :

B-41(0-1)-092617DL

Tot Ion:	152	Resp:	8268
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.1	25.7
153	16.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.576 ng/ul

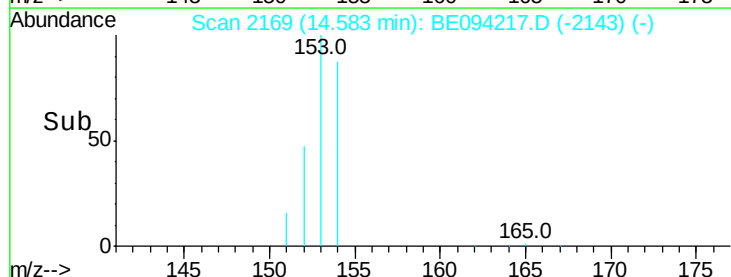
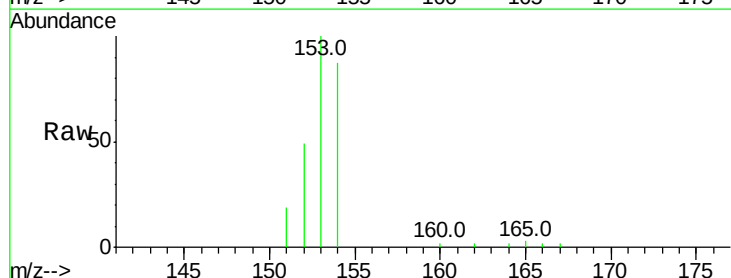
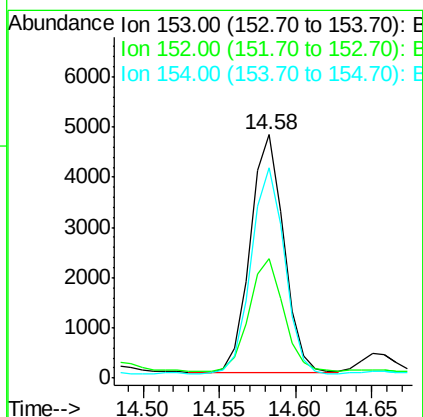
RT: 14.58 min Scan# 2169

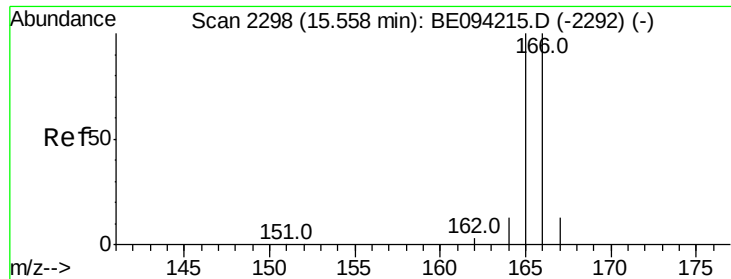
Delta R.T. -0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Tgt Ion:	153	Resp:	7239
Ion Ratio	Lower	Upper	
153	100		
152	49.0	40.3	60.5
154	86.7	71.4	107.2





#9

Fluorene

Concen: 0.513 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

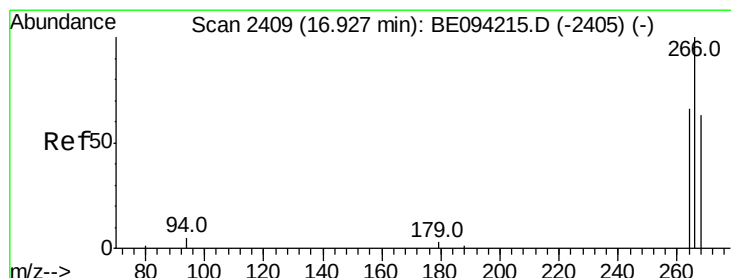
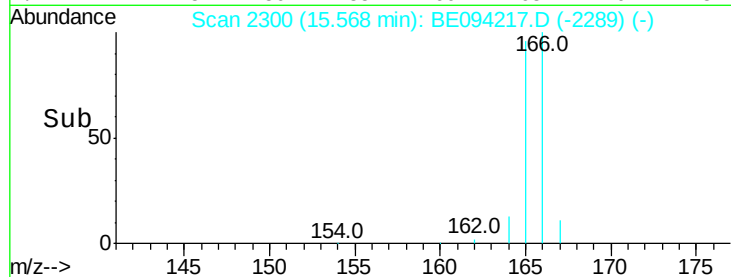
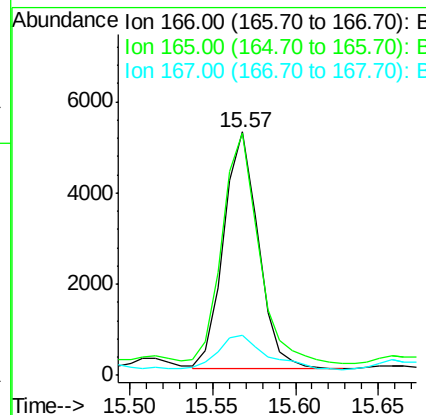
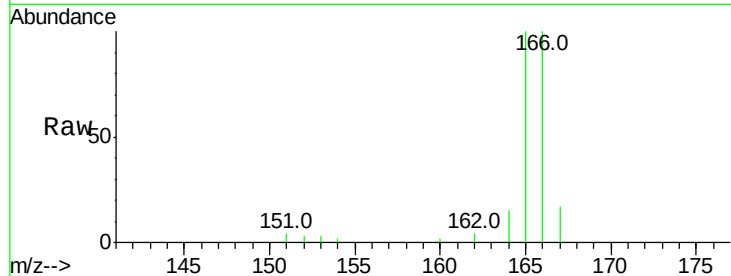
ClientSampleId :

B-41(0-1)-092617DL

Tot Ion:	166	Resp:	7551
Ion Ratio	Lower	Upper	
166	100		
165	99.8	73.4	110.2
167	16.7	14.6	22.0

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#11

Pentachlorophenol

Concen: 0.273 ng/ul

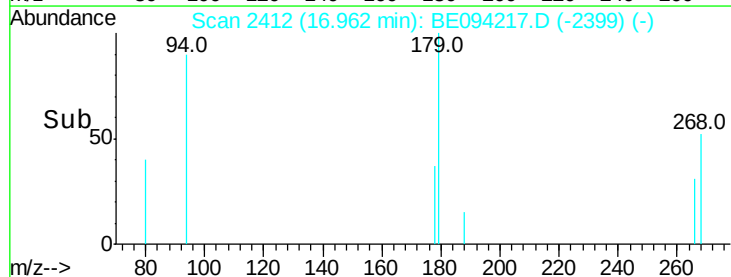
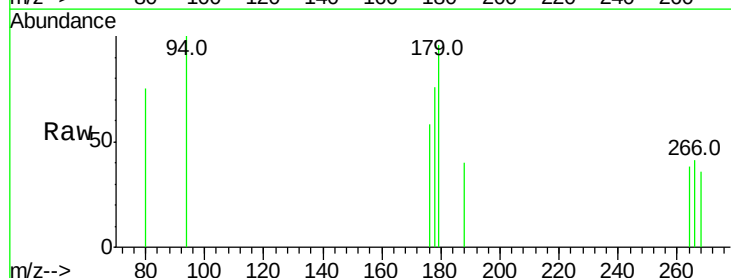
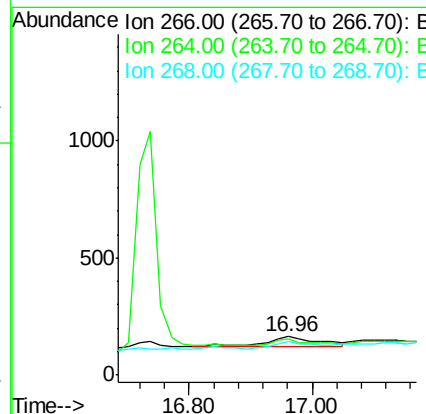
RT: 16.96 min Scan# 2412

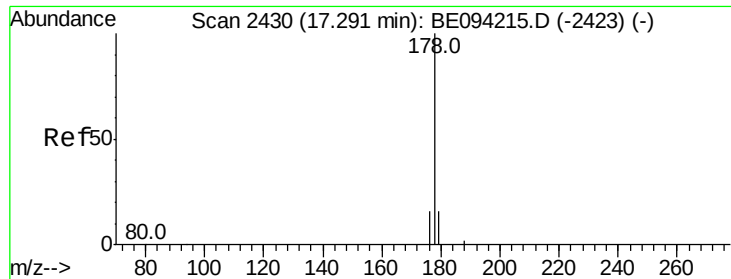
Delta R.T. 0.02 min

Lab File: BE094217.D

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Tgt Ion:	266	Resp:	258
Ion Ratio	Lower	Upper	
266	100		
264	52.3	47.9	71.9
268	52.3	49.8	74.8





#12

Phenanthrene

Concen: 8.137 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

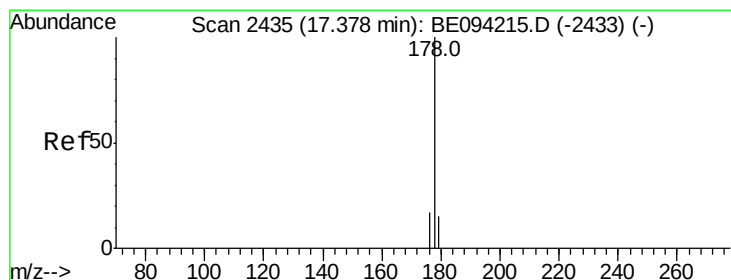
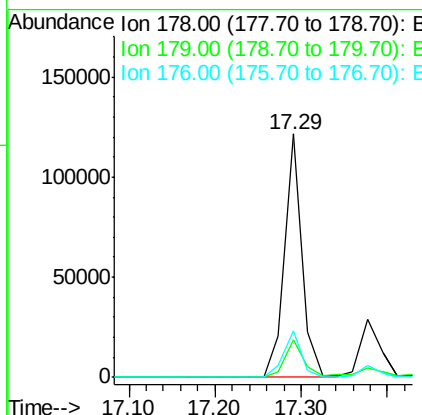
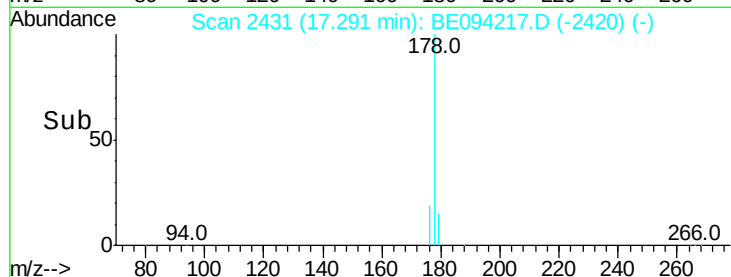
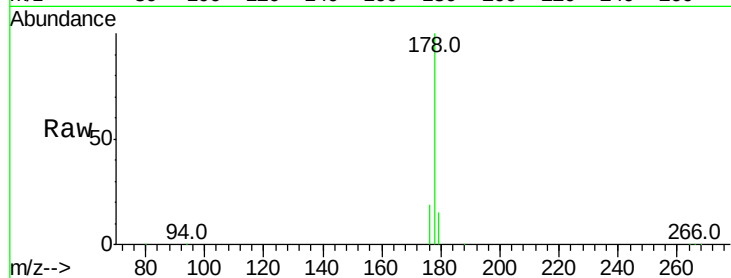
Instrument :
BNA_E

ClientSampleId :
B-41(0-1)-092617DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	18.4	27.6#
176	19.0	13.6	20.4

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#13

Anthracene

Concen: 2.265 ng/ul

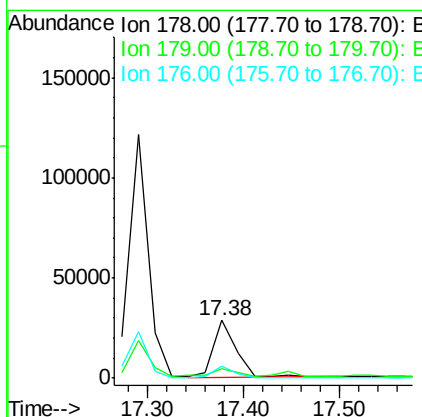
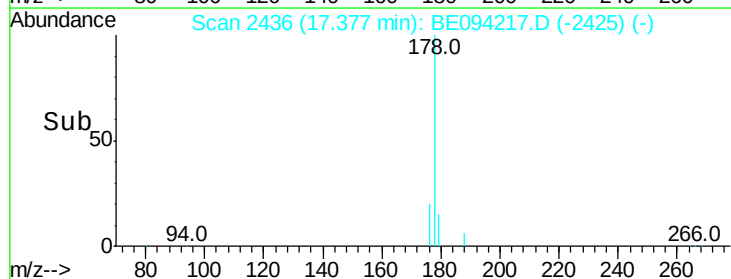
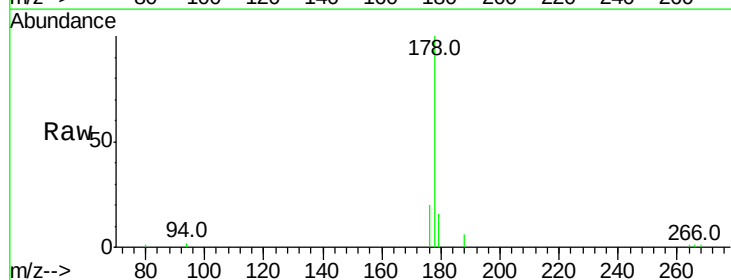
RT: 17.38 min Scan# 2436

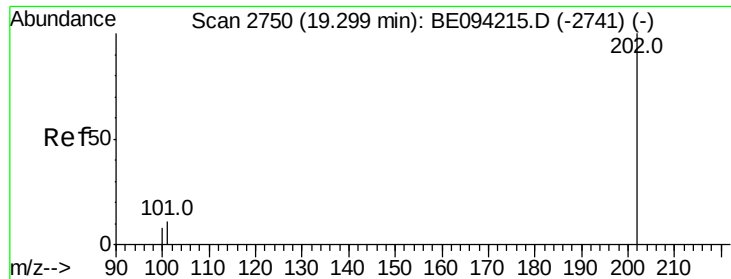
Delta R.T. -0.02 min

Lab File: BE094217.D

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Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	18.1	27.1#
176	20.2	14.7	22.1





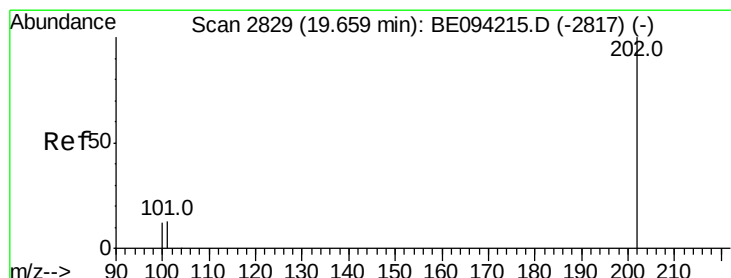
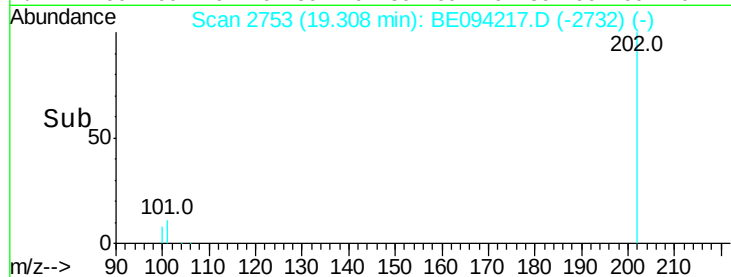
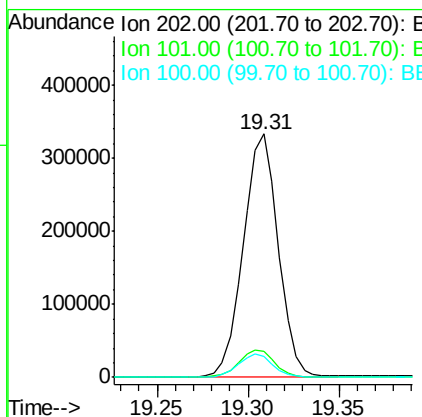
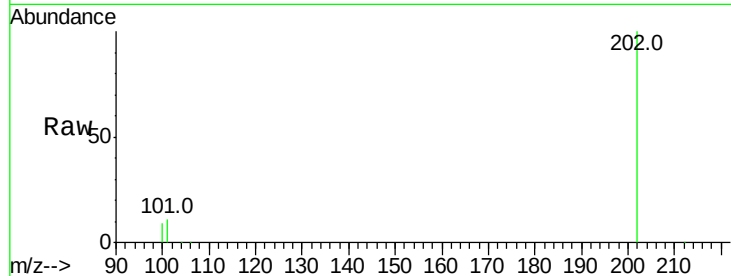
#15
Fluoranthene
Concen: 16.052 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	30.3
100	8.6	0.0	39.5

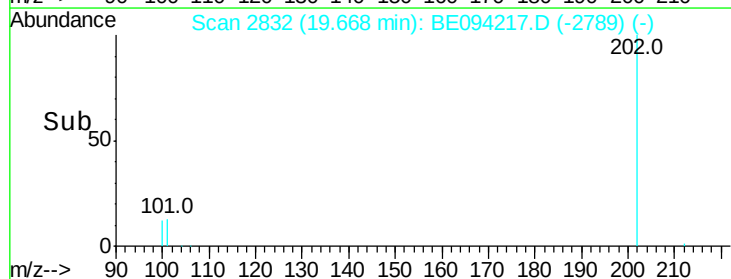
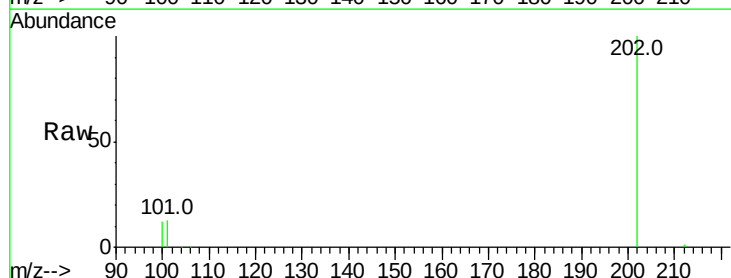
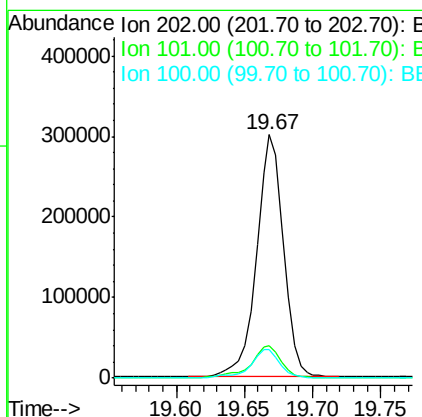
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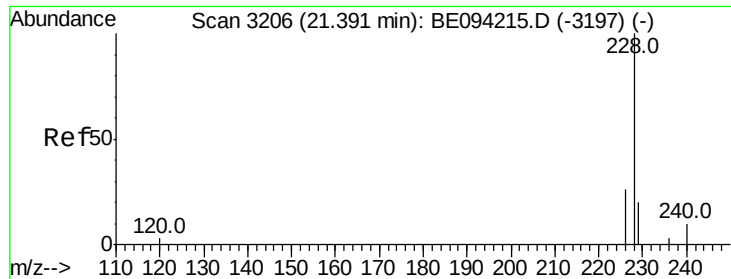
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#17
Pyrene
Concen: 16.193 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BE094217.D
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Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	18.2	27.4#
100	11.6	15.6	23.4#





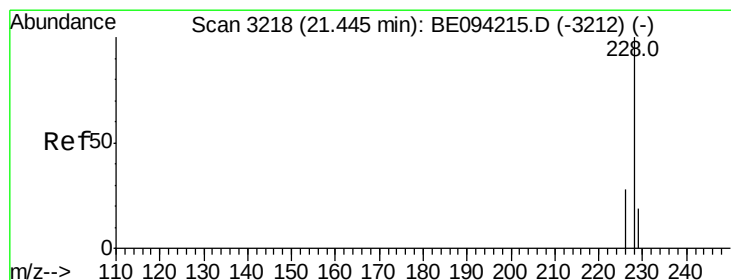
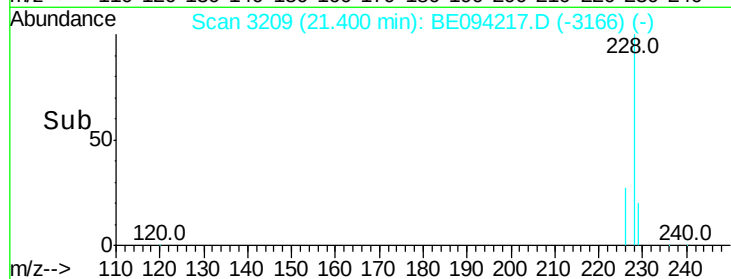
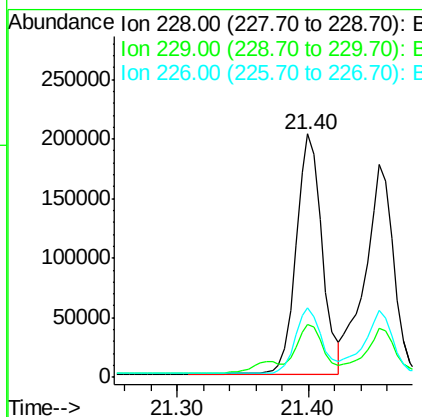
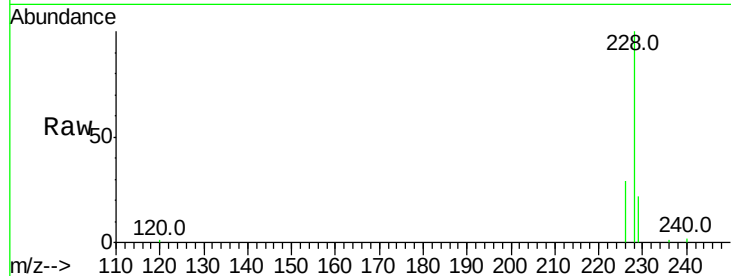
#18
Benzo(a)anthracene
Concen: 11.514 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.7	22.8	34.2#
226	28.6	17.0	25.6#

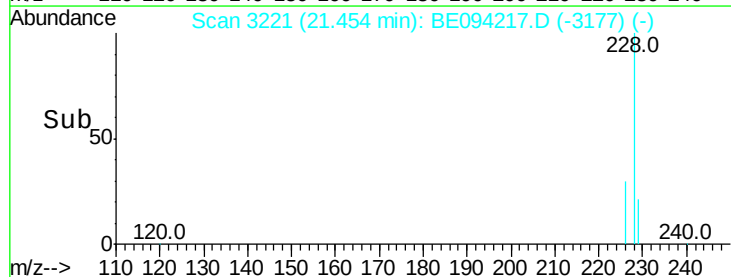
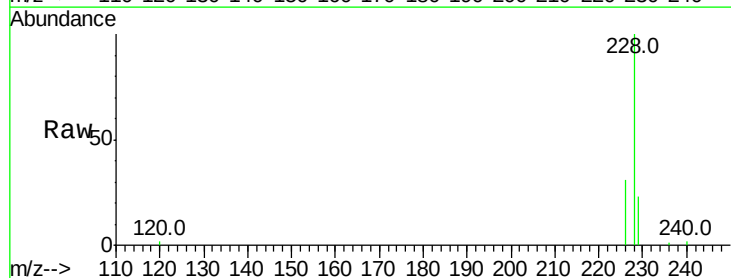
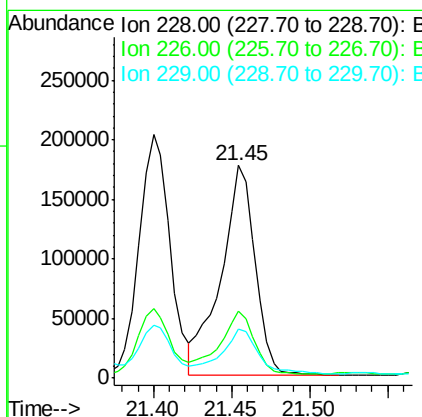
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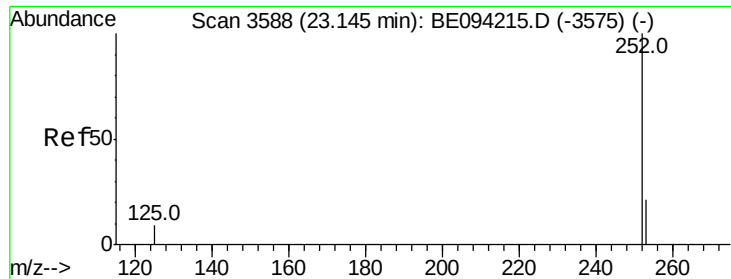
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#19
Chrysene
Concen: 9.539 ng/ul
RT: 21.45 min Scan# 3221
Delta R.T. 0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.0
229	22.8	17.7	26.5





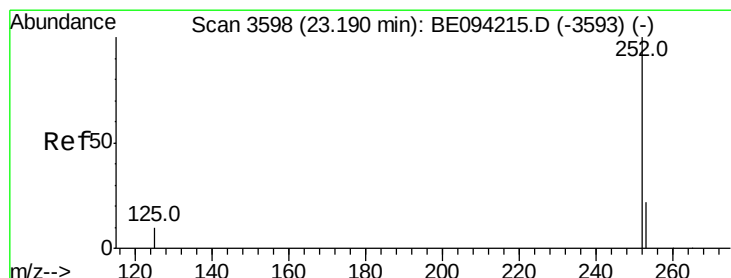
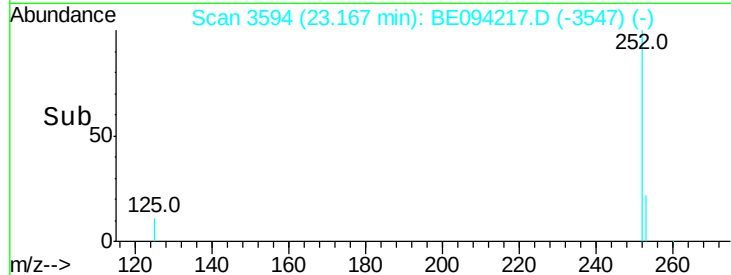
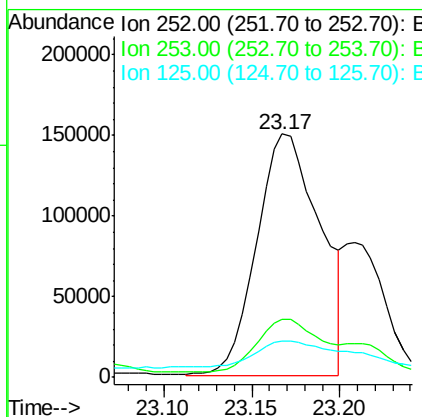
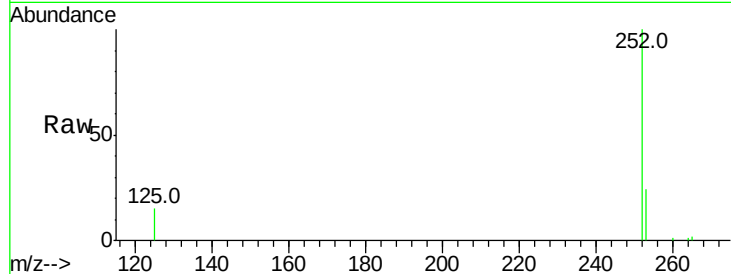
#21
Benzo(b)fluoranthene
Concen: 17.734 ng/ul m
RT: 23.17 min Scan# 3594
Delta R.T. 0.01 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	0.0	64.2
125	15.0	0.0	35.0

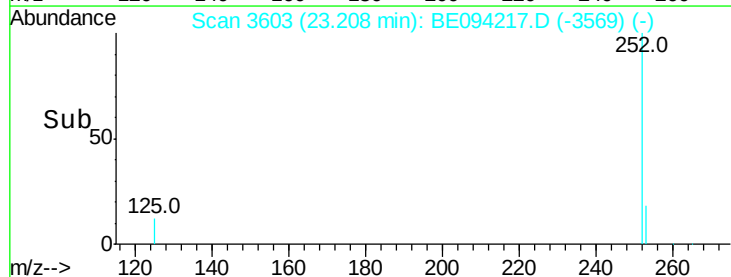
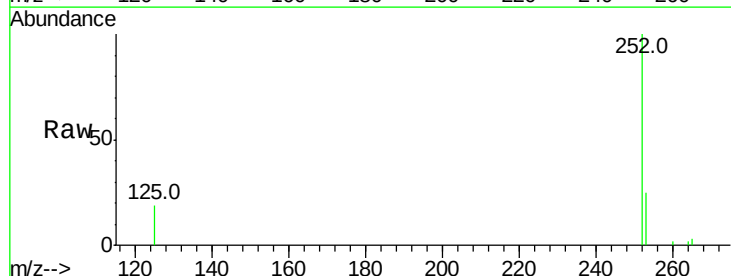
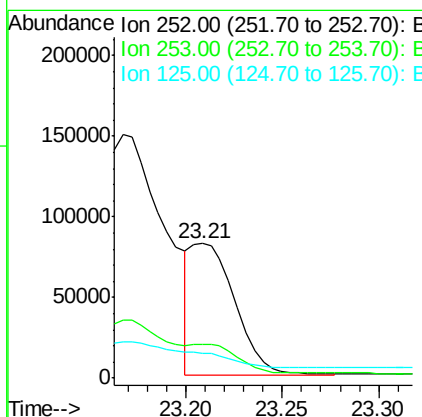
Manual Integrations
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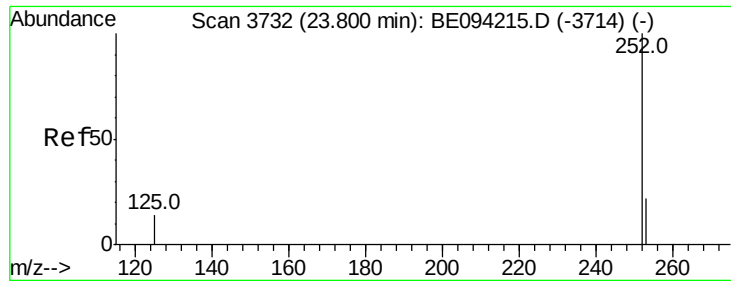
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#22
Benzo(k)fluoranthene
Concen: 5.287 ng/ul m
RT: 23.21 min Scan# 3603
Delta R.T. 0.01 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	24.5	36.7
125	18.6	13.7	20.5





#23

Benzo(a)pyrene

Concen: 12.288 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. 0.01 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Instrument :

BNA_E

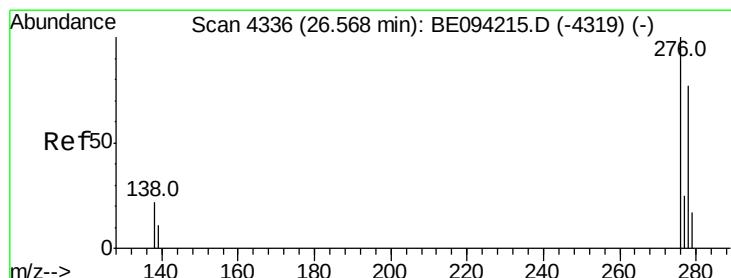
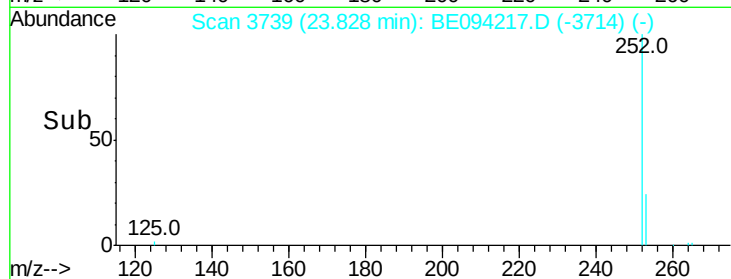
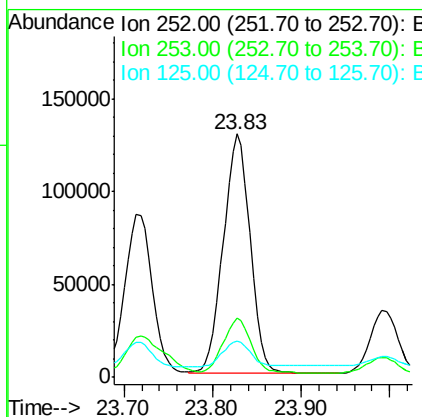
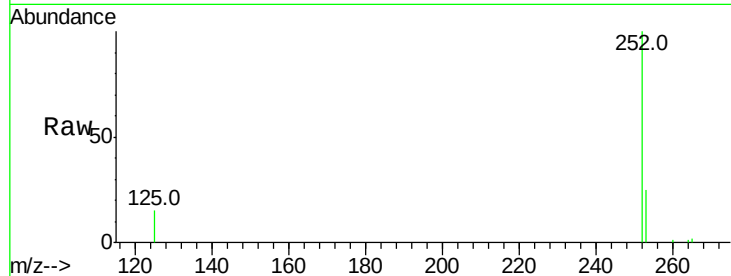
ClientSampleId :

B-41(0-1)-092617DL

Tot Ion:	252	Resp:	271703
Ion Ratio	Lower	Upper	
252	100		
253	24.6	28.5	42.7#
125	15.1	18.1	27.1#

Manual Integrations
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Sohil
10/10/2017 4:56:32 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 7.962 ng/ul

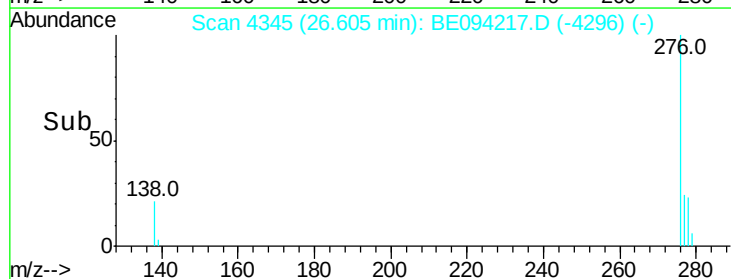
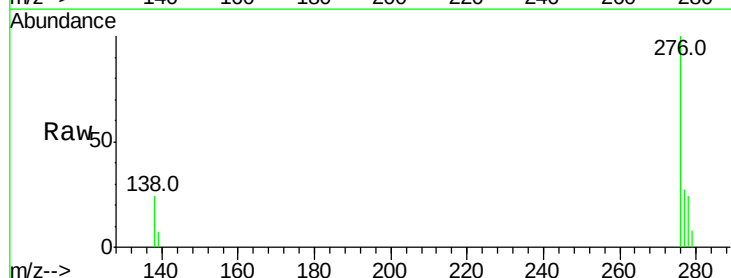
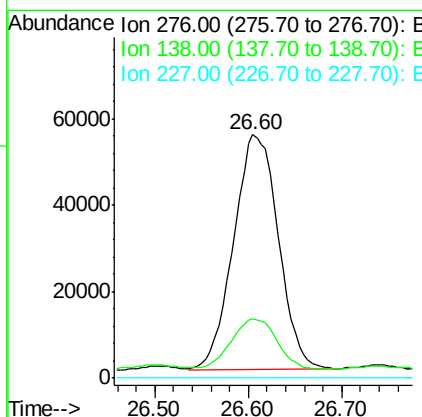
RT: 26.60 min Scan# 4345

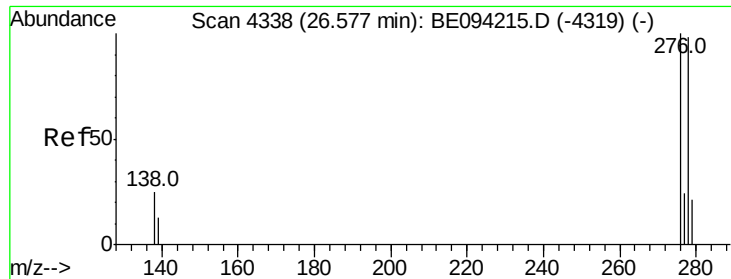
Delta R.T. 0.02 min

Lab File: BE094217.D

Acq: 9 Oct 2017 11:12

Tgt Ion:	276	Resp:	180093
Ion Ratio	Lower	Upper	
276	100		
138	21.7	28.0	42.0#
227	0.0	8.0	12.0#





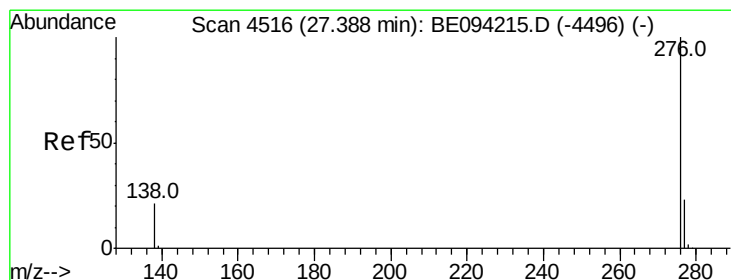
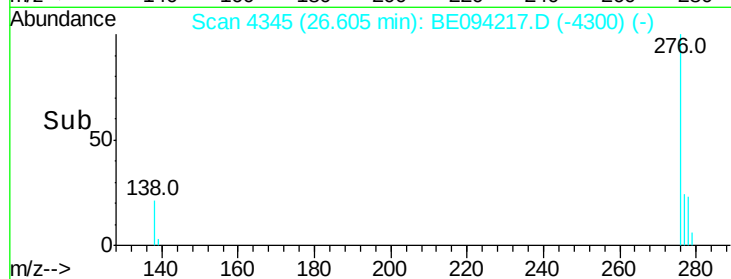
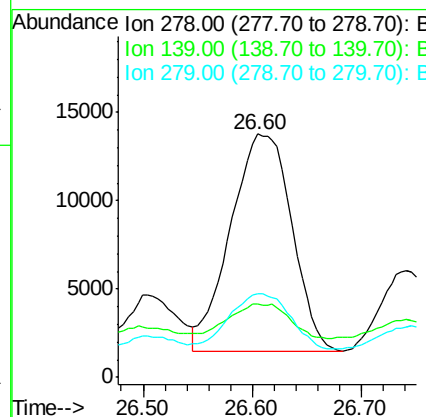
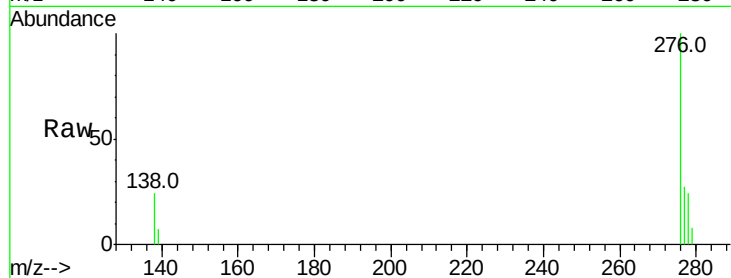
#25
Dibenzo(a,h)anthracene
Concen: 2.515 ng/ul
RT: 26.60 min Scan# 4345
Delta R.T. 0.00 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.0	17.4	26.0
279	34.4	25.9	38.9

Manual Integrations
APPROVED

Sohil
10/10/2017 4:56:32 PM



#26
Benzo(g,h,i)perylene
Concen: 7.946 ng/ul
RT: 27.44 min Scan# 4528
Delta R.T. 0.04 min
Lab File: BE094217.D
Acq: 9 Oct 2017 11:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	21.8	32.8
277	26.7	20.5	30.7

