

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102517\
 Data File : BE094554.D
 Acq On : 26 Oct 2017 4:05
 Operator : SJ/JU
 Sample : I5747-08 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-34(5-5.5)-100617

Manual Integrations
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Sohil
 10/27/2017 8:56:50 AM

Quant Time: Oct 26 18:36:02 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 18:44:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2194	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	8492	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.52	164	6974	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9135	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9421	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	9879	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	855m	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.28	212	2675m	0.10	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	121123	5.834	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	223819	15.408	ng/ul	99
7) Acenaphthylene	14.24	152	17055	0.541	ng/ul#	1
8) Acenaphthene	14.58	153	40094	1.769	ng/ul#	89
9) Fluorene	15.57	166	67186	2.639	ng/ul	88
12) Phenanthrene	17.29	178	283770	11.761	ng/ul#	89
13) Anthracene	17.39	178	31690	1.331	ng/ul#	87
15) Fluoranthene	19.31	202	81039	2.905	ng/ul	84
17) Pyrene	19.68	202	117191	4.024	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	46355	1.721	ng/ul#	84
19) Chrysene	21.46	228	52657	1.892	ng/ul#	86
21) Benzo(b)fluoranthene	23.21	252	45905m	1.652	ng/ul	
22) Benzo(k)fluoranthene	23.25	252	14795m	0.497	ng/ul	
23) Benzo(a)pyrene	23.86	252	37066	1.334	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.66	276	23861	0.830	ng/ul#	77
25) Dibenzo(a,h)anthracene	26.65	278	6301	0.260	ng/ul#	29
26) Benzo(g,h,i)perylene	27.49	276	24038	1.041	ng/ul#	88

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

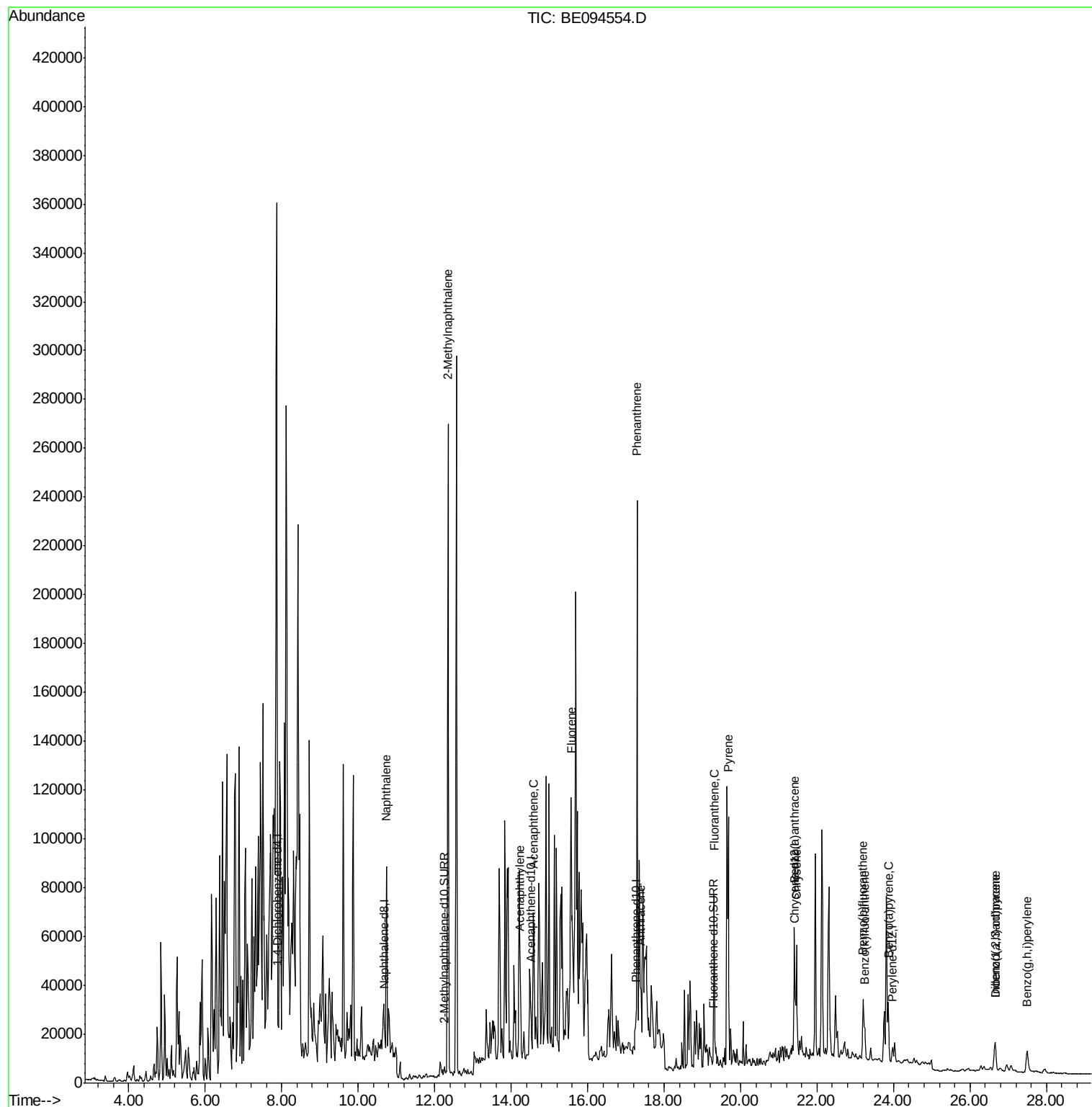
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102517\
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ALS Vial : 30 Sample Multiplier: 1

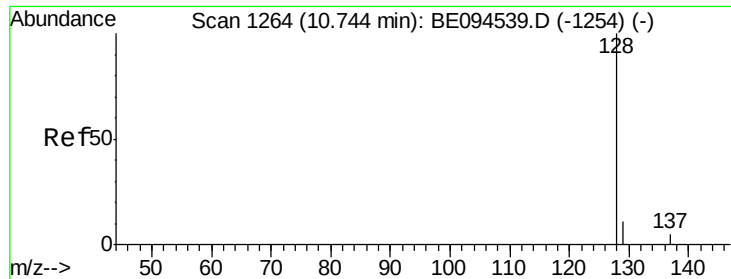
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#3

Naphthalene

Concen: 5.834 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

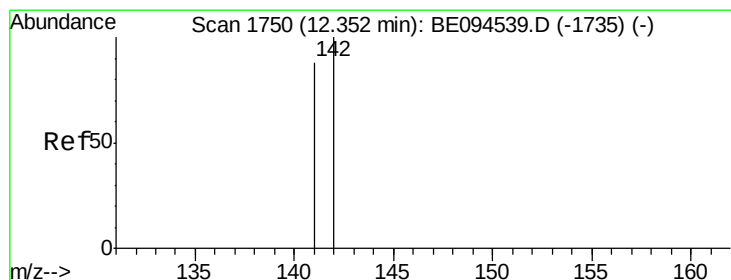
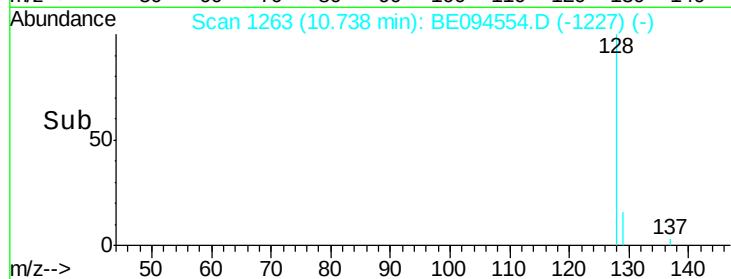
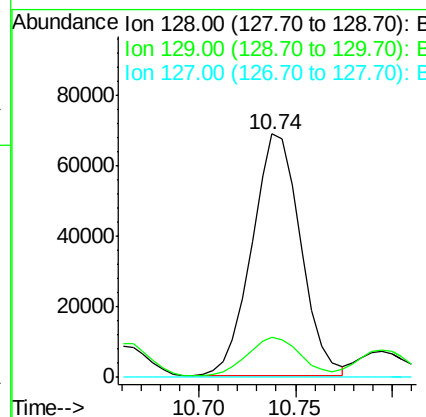
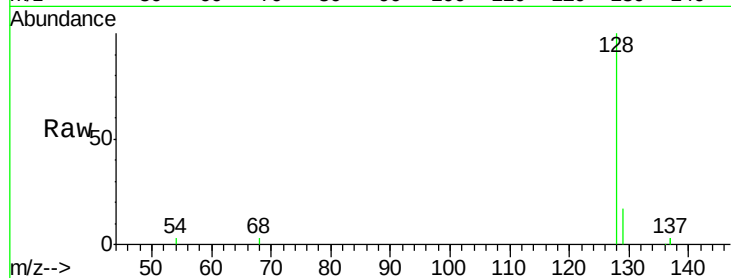
ClientSampleId :

B-34(5-5.5)-100617

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.7	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 15.408 ng/ul

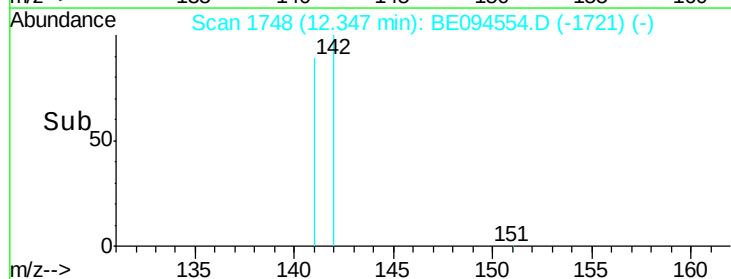
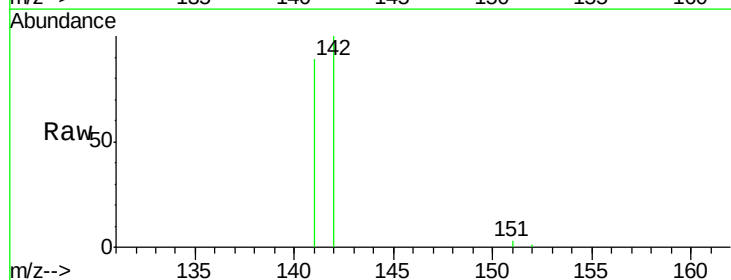
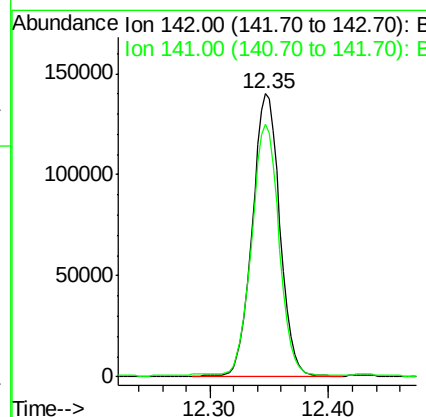
RT: 12.35 min Scan# 1748

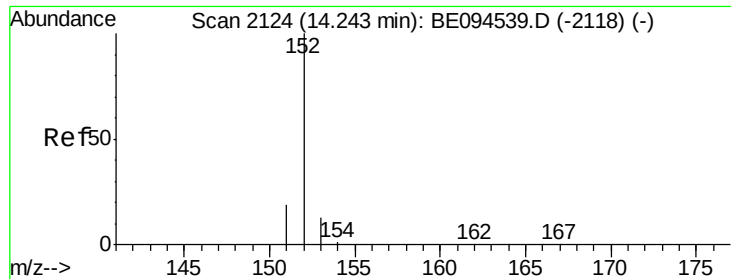
Delta R.T. -0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.541 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

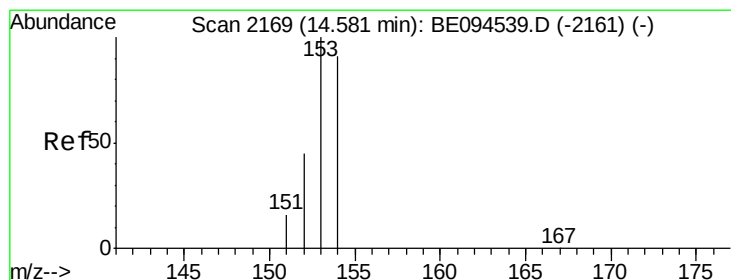
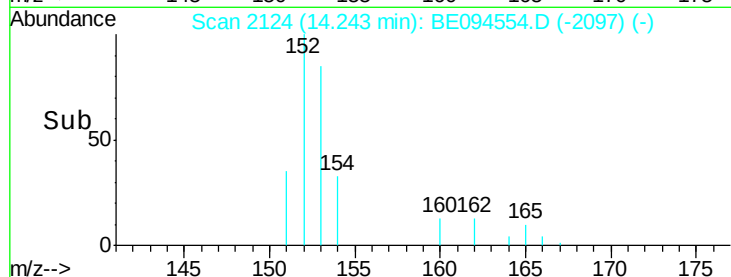
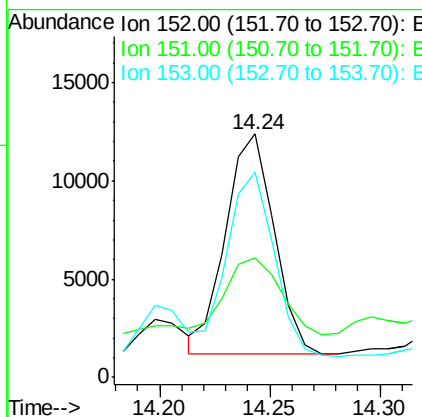
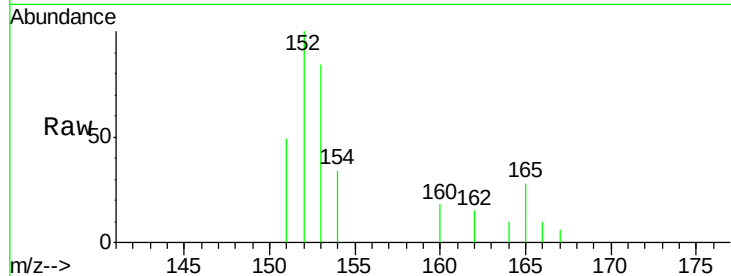
ClientSampleId :

B-34(5-5.5)-100617

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	17055		
151	49.0	17.1	25.7#	
153	84.2	12.8	19.2#	

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#8

Acenaphthene

Concen: 1.769 ng/ul

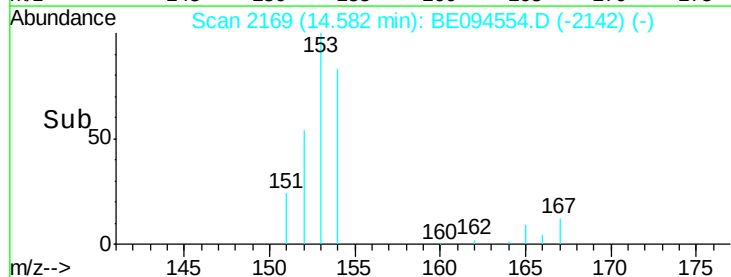
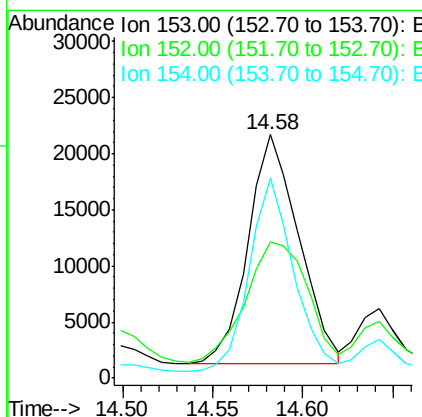
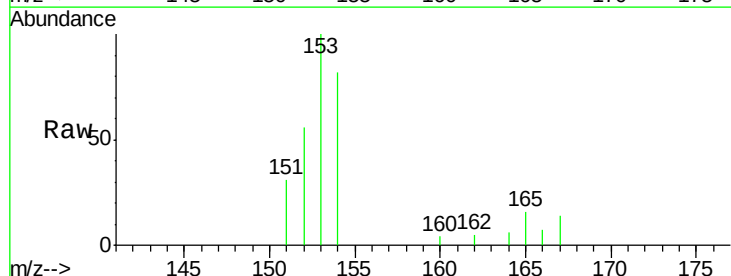
RT: 14.58 min Scan# 2169

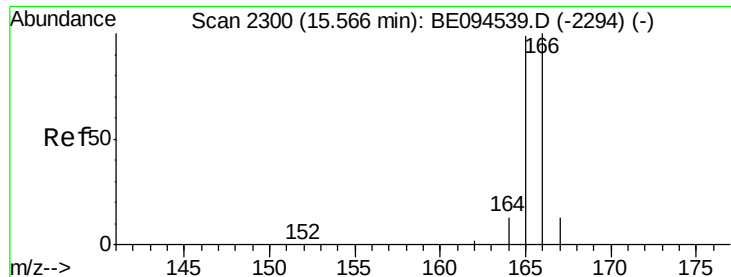
Delta R.T. 0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	40094		
152	56.1	36.0	54.0#	
154	82.2	72.0	108.0	





#9

Fluorene

Concen: 2.639 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

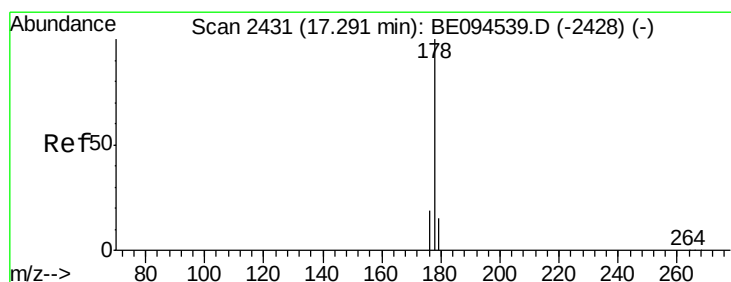
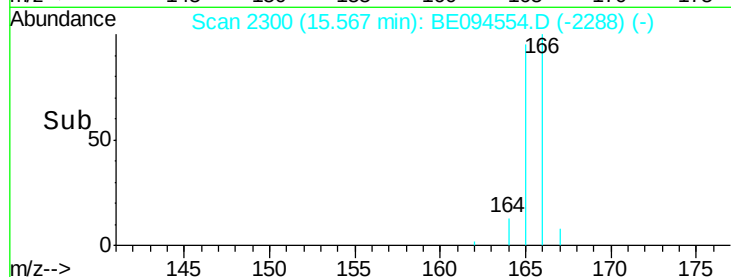
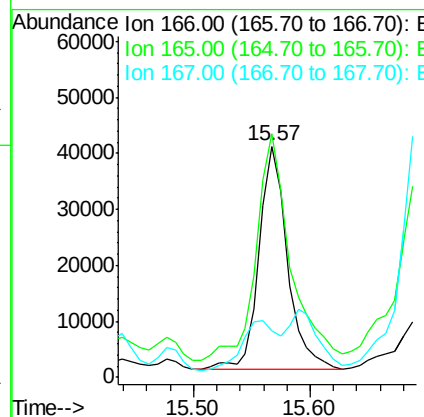
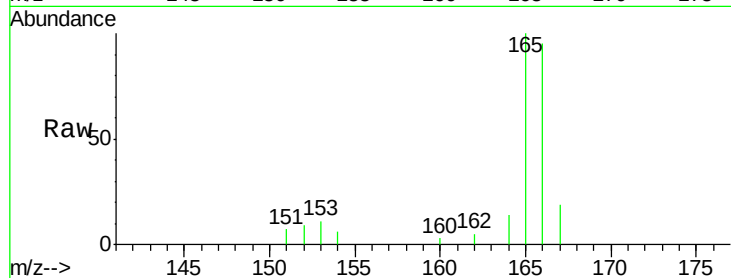
ClientSampleId :

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Tgt Ion:	166	Resp:	67186
Ion Ratio	Lower	Upper	
166	100		
165	105.3	73.4	110.2
167	20.2	14.6	22.0

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#12

Phenanthrene

Concen: 11.761 ng/ul

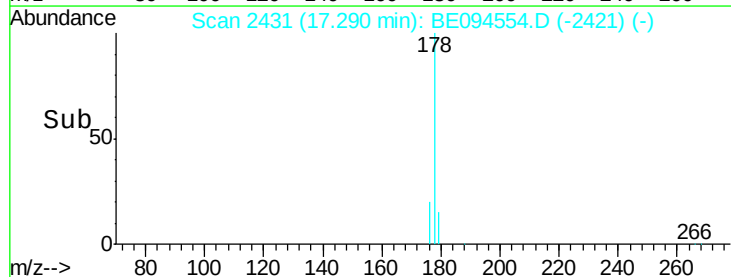
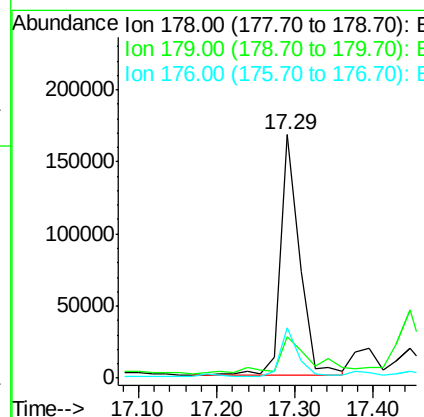
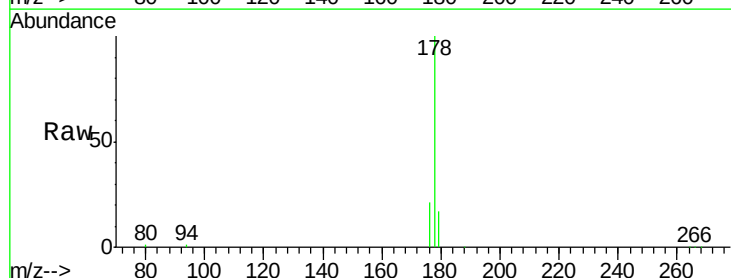
RT: 17.29 min Scan# 2431

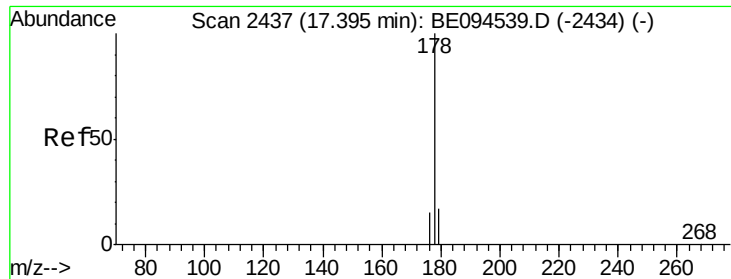
Delta R.T. -0.02 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Tgt Ion:	178	Resp:	283770
Ion Ratio	Lower	Upper	
178	100		
179	17.1	18.4	27.6#
176	20.6	13.6	20.4#





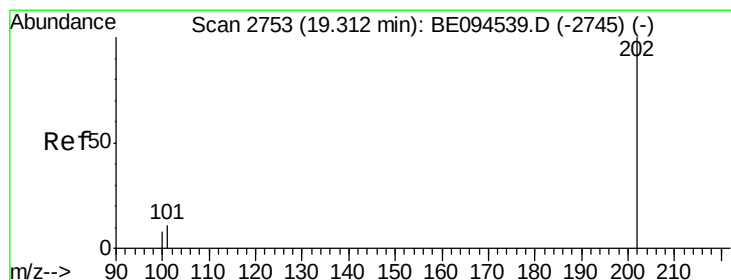
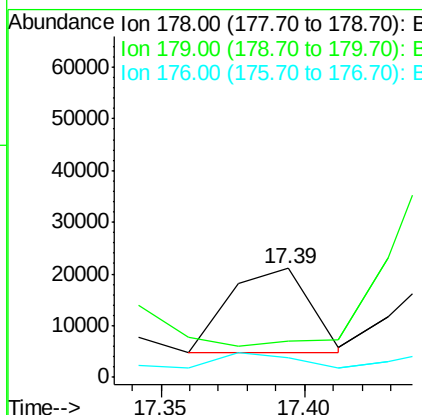
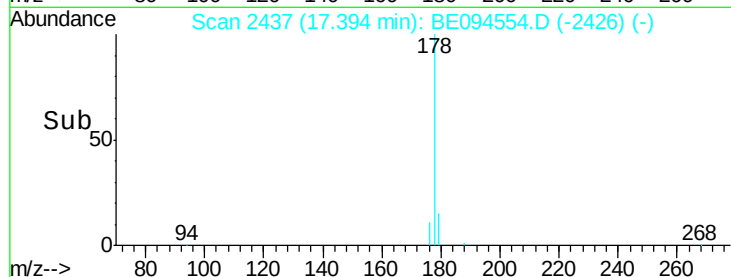
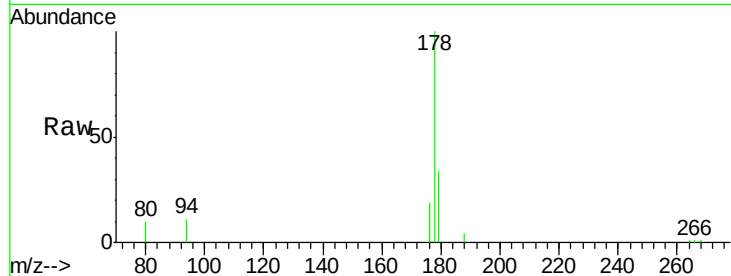
#13
 Anthracene
 Concen: 1.331 ng/ul
 RT: 17.39 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

Instrument :
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 ClientSampleId :
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Tgt Ion:178 Resp: 31690
 Ion Ratio Lower Upper
 178 100
 179 33.6 18.1 27.1#
 176 18.5 14.7 22.1

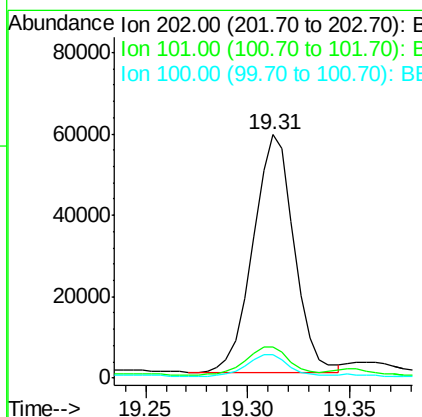
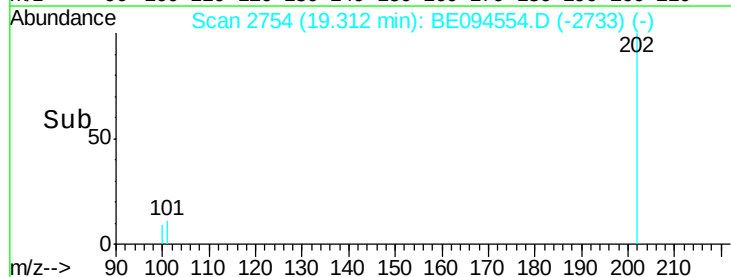
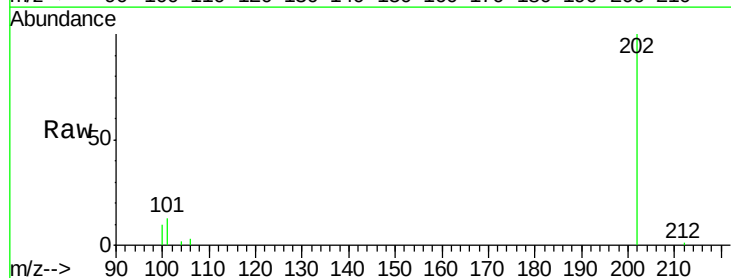
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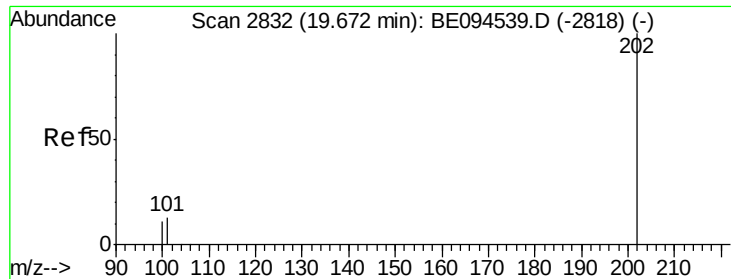
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#15
 Fluoranthene
 Concen: 2.905 ng/ul
 RT: 19.31 min Scan# 2754
 Delta R.T. -0.00 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

Tgt Ion:202 Resp: 81039
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.3
 100 9.7 0.0 39.5





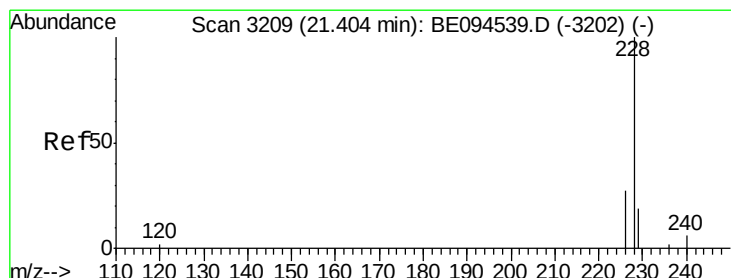
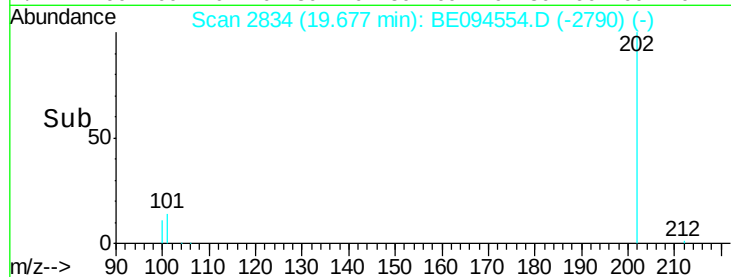
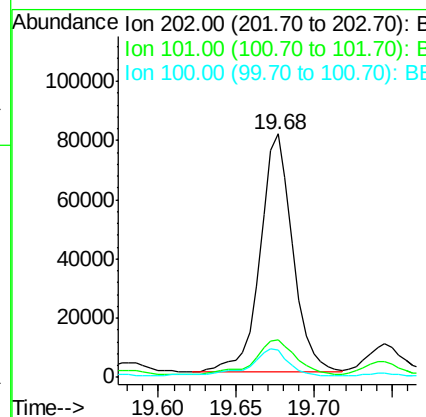
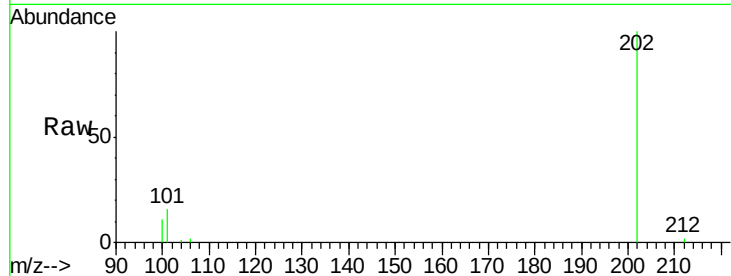
#17
Pyrene
Concen: 4.024 ng/ul
RT: 19.68 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	117191		
101	15.5	18.2	27.4#	
100	11.0	15.6	23.4#	

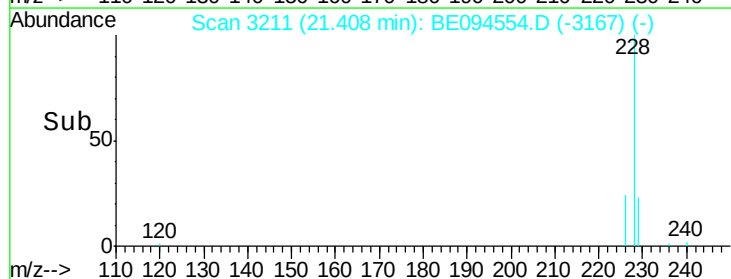
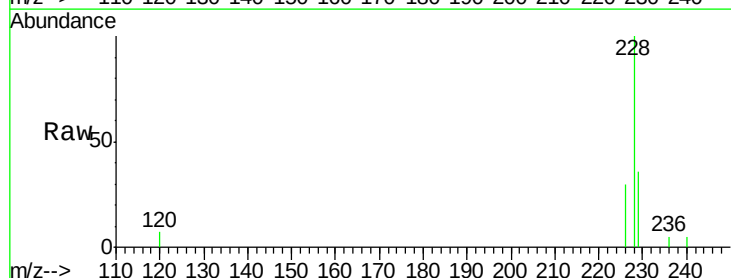
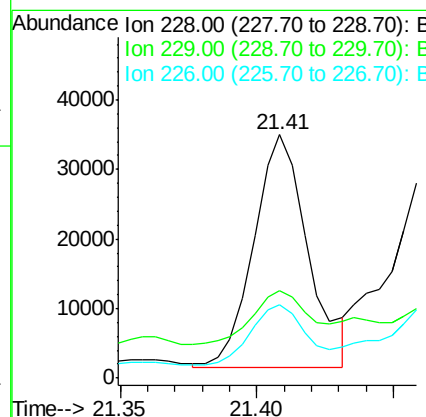
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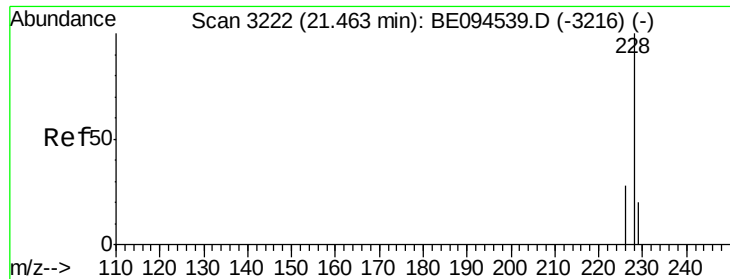
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#18
Benzo(a)anthracene
Concen: 1.721 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	46355		
229	35.7	22.8	34.2#	
226	30.3	17.0	25.6#	





#19

Chrysene

Concen: 1.892 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

B-34(5-5.5)-100617

Tgt Ion: 228 Resp: 52657

Ion Ratio Lower Upper

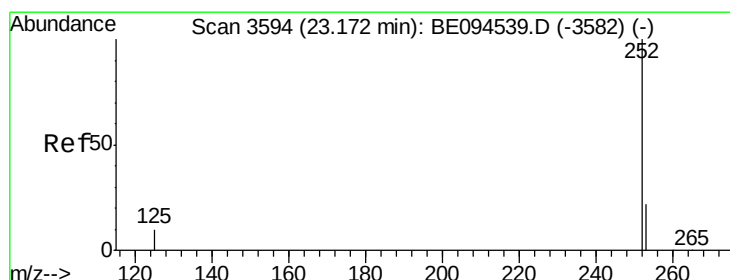
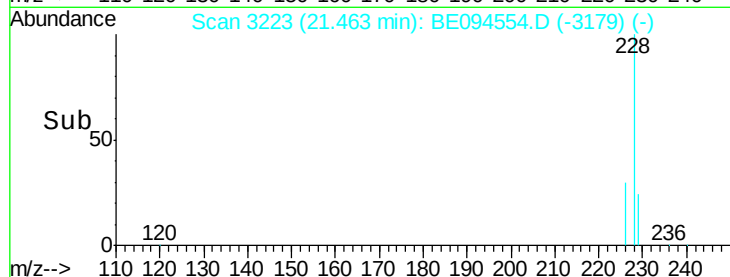
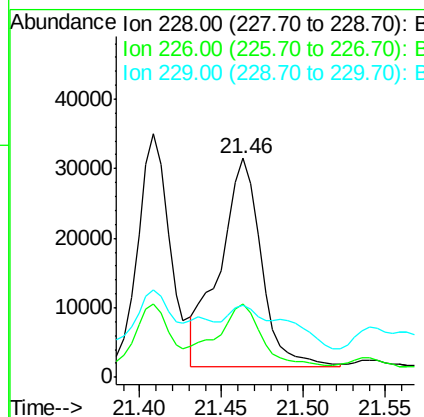
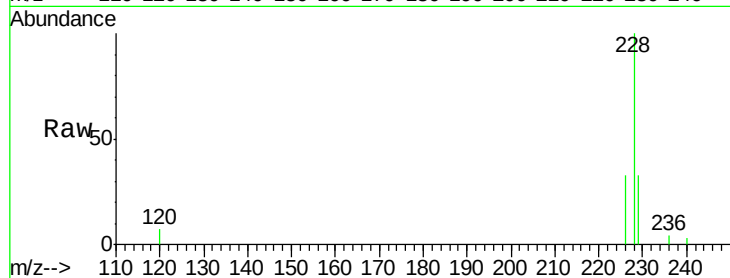
228 100

226 33.3 23.4 35.0

229 33.1 17.7 26.5#

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#21

Benzo(b)fluoranthene

Concen: 1.652 ng/ul m

RT: 23.21 min Scan# 3603

Delta R.T. 0.04 min

Lab File: BE094554.D

Acq: 26 Oct 2017 4:05

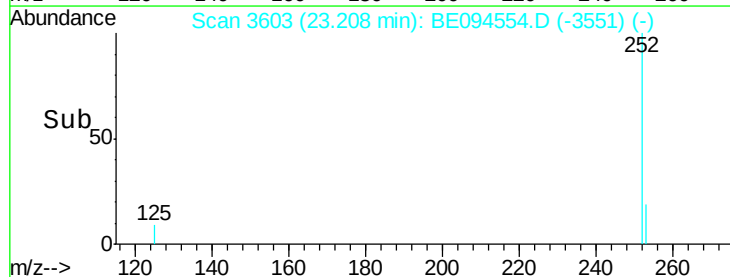
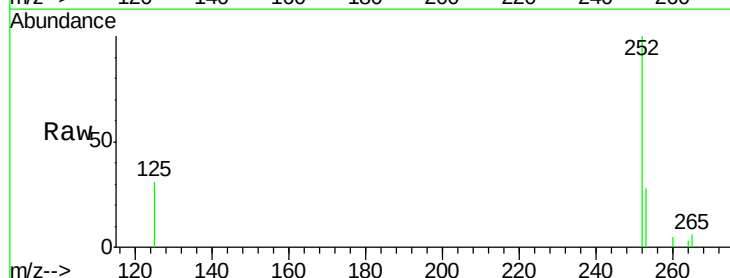
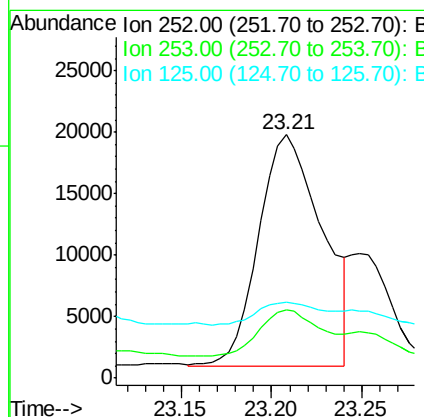
Tgt Ion: 252 Resp: 45905

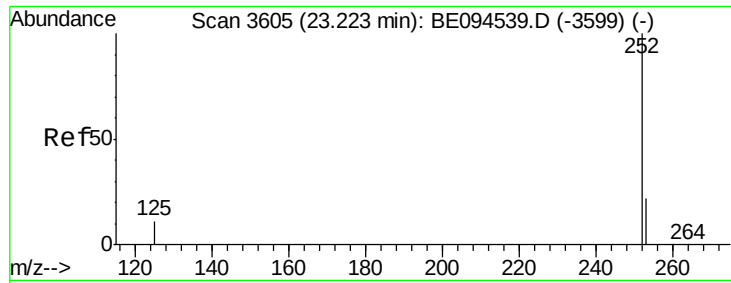
Ion Ratio Lower Upper

252 100

253 28.3 0.0 64.2

125 31.4 0.0 35.0





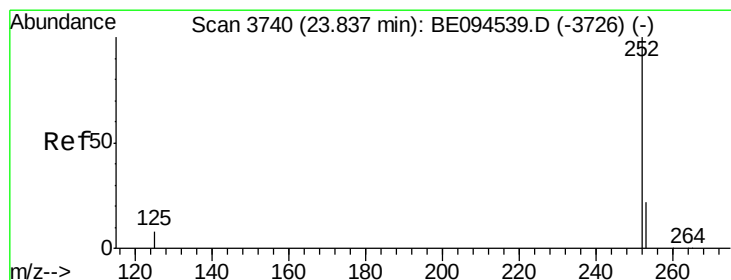
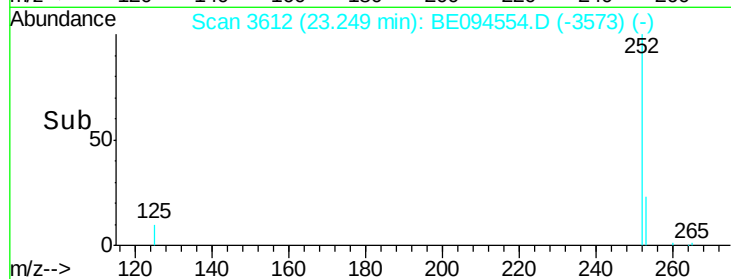
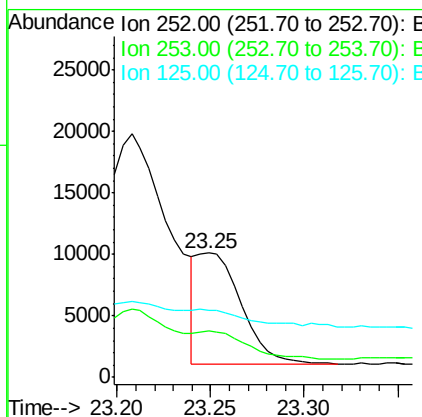
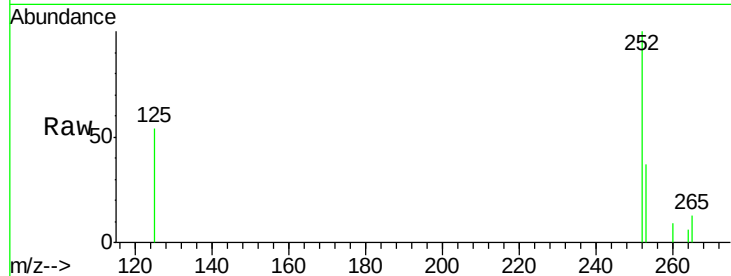
#22
Benzo(k)fluoranthene
Concen: 0.497 ng/ul m
RT: 23.25 min Scan# 3612
Delta R.T. 0.03 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

Instrument :
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B-34(5-5.5)-100617

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.0	24.5	36.7#
125	54.2	13.7	20.5#

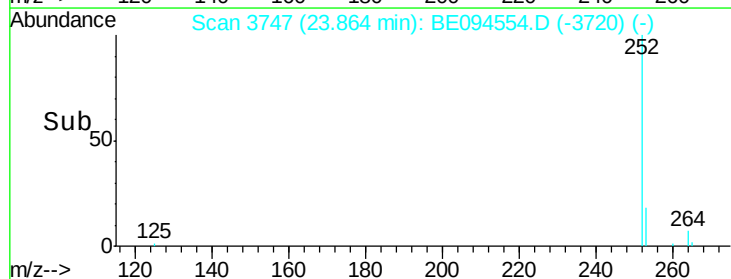
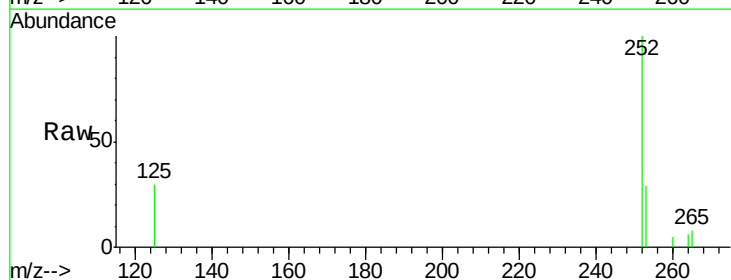
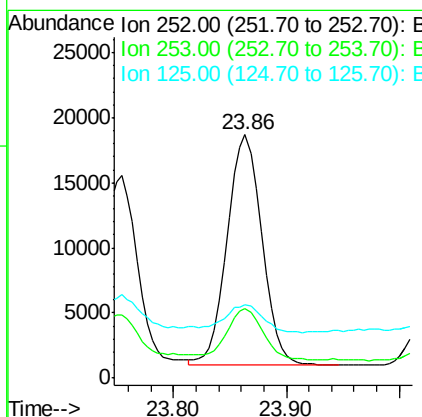
Manual Integrations
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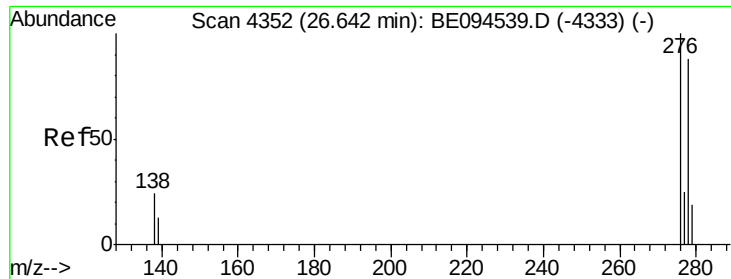
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#23
Benzo(a)pyrene
Concen: 1.334 ng/ul
RT: 23.86 min Scan# 3747
Delta R.T. 0.02 min
Lab File: BE094554.D
Acq: 26 Oct 2017 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	28.5	42.7
125	29.9	18.1	27.1#





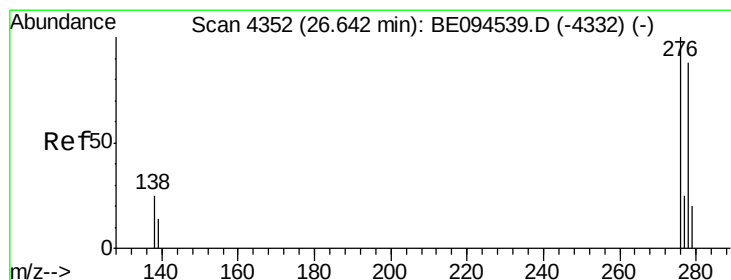
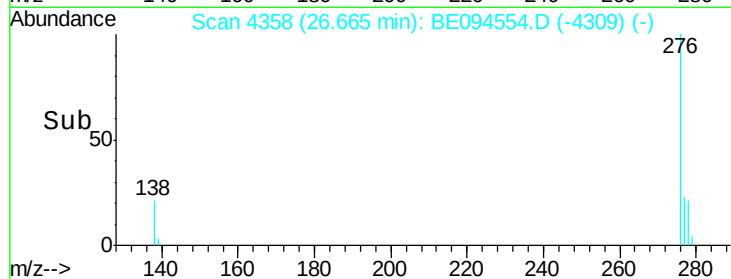
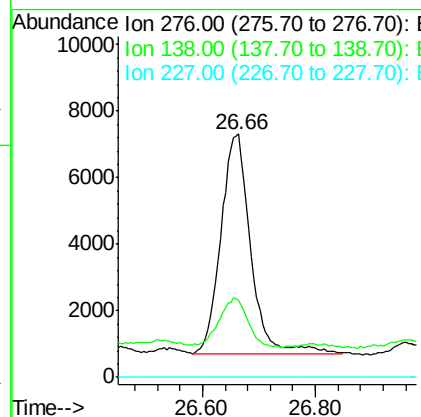
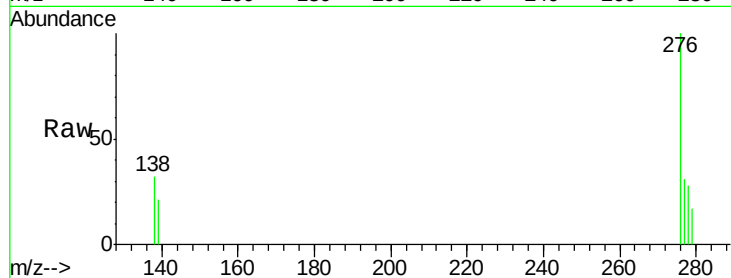
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.830 ng/ul
 RT: 26.66 min Scan# 4358
 Delta R.T. 0.02 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

Instrument :
 BNA_E
 ClientSampleId :
 B-34(5-5.5)-100617

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	22.2	28.0	42.0#
227	0.0	8.0	12.0#

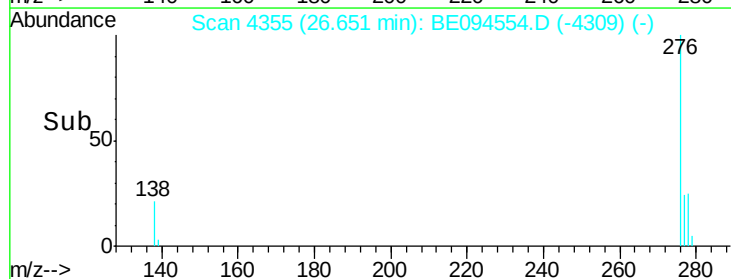
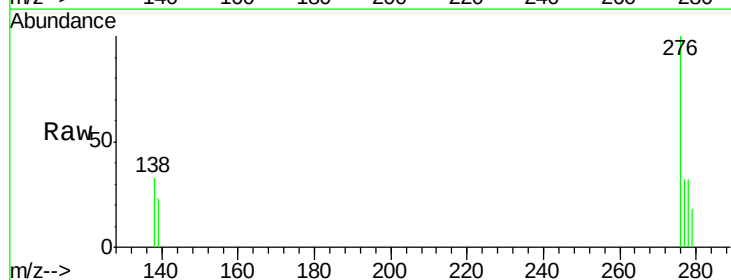
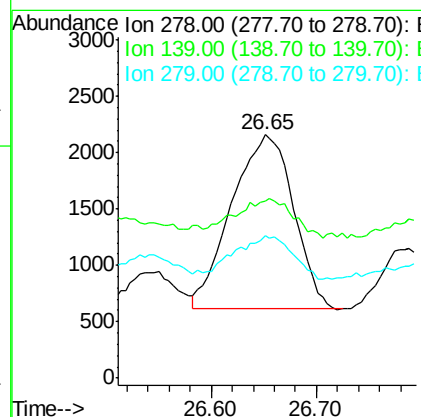
Manual Integrations
 APPROVED

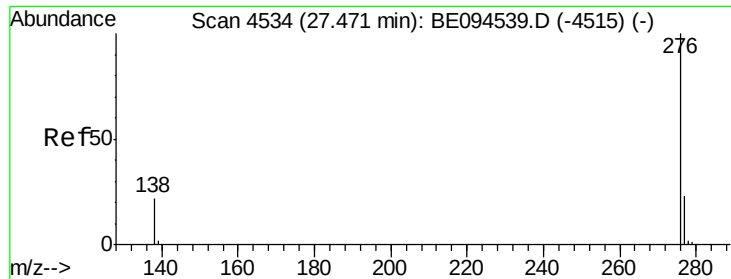
Sohil
 10/27/2017 8:56:50 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.260 ng/ul
 RT: 26.65 min Scan# 4355
 Delta R.T. 0.01 min
 Lab File: BE094554.D
 Acq: 26 Oct 2017 4:05

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	72.7	17.4	26.0#
279	58.3	25.9	38.9#





#26

Benzo(g,h,i)perylene

Concen: 1.041 ng/ul

RT: 27.49 min Scan# 4540

Delta R.T. 0.01 min

Lab File: BE094554.D

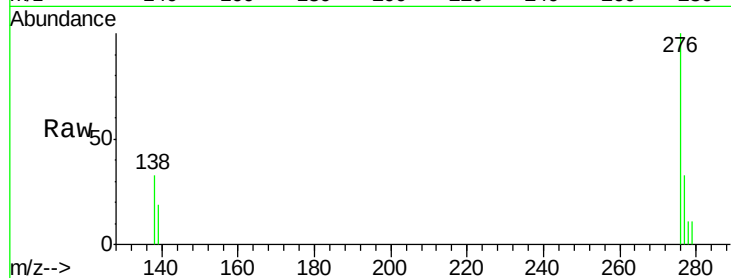
Acq: 26 Oct 2017 4:05

Instrument :

BNA_E

ClientSampleId :

B-34(5-5.5)-100617



Tgt Ion: 276 Resp: 24038

Ion Ratio Lower Upper

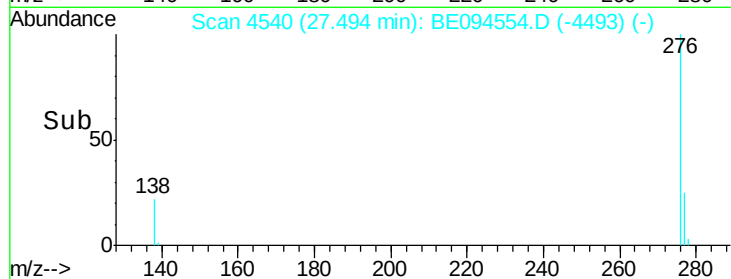
276 100

138 32.8 21.8 32.8#

277 32.5 20.5 30.7#

Manual Integrations
APPROVED

Sohil
10/27/2017 8:56:50 AM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

