

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
 Data File : BE097452.D
 Acq On : 12 Sep 2018 13:52
 Operator : SJ/JU
 Sample : J4688-18
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Manual Integrations
 APPROVED

Sohil
 9/13/2018 5:42:17 PM

Quant Time: Sep 13 01:37:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 01:16:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	983	0.40	ng/ul	0.00
2) Naphthalene-d8	10.11	136	5667	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.00	164	4466	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	10058m	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11238m	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	11502m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	2346	0.27	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	8975m	0.27	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.16	128	114940	8.318	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	37651	4.312	ng/ul	98
7) Acenaphthylene	13.72	152	43216	2.657	ng/ul	97
8) Acenaphthene	14.07	153	71351	5.099	ng/ul	96
9) Fluorene	15.07	166	69186	4.317	ng/ul	94
12) Phenanthrene	16.80	178	1092448m	42.194	ng/ul	
13) Anthracene	16.89	178	170655m	7.840	ng/ul	
15) Fluoranthene	18.84	202	1680781m	50.533	ng/ul	
17) Pyrene	19.20	202	1511424	49.979	ng/ul#	81
18) Benzo(a)anthracene	20.96	228	810988m	28.092	ng/ul	
19) Chrysene	21.01	228	872755	26.239	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	1237227m	40.167	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	351482m	10.233	ng/ul	
23) Benzo(a)pyrene	23.12	252	776862m	27.262	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.51	276	561935	15.214	ng/ul#	71
25) Dibenzo(a,h)anthracene	25.52	278	145586m	4.652	ng/ul	
26) Benzo(g,h,i)perylene	26.21	276	541711	17.204	ng/ul#	90

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

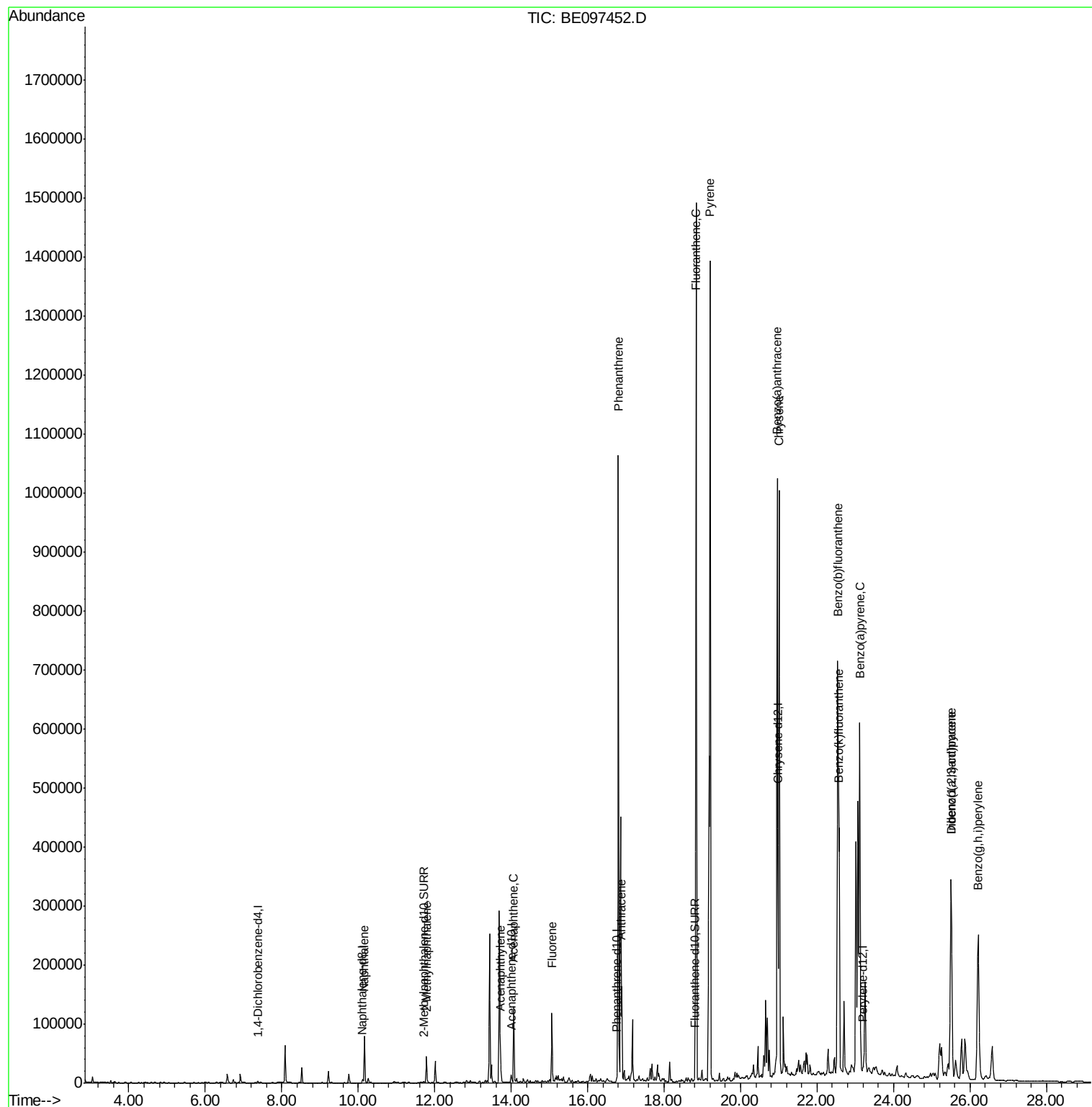
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
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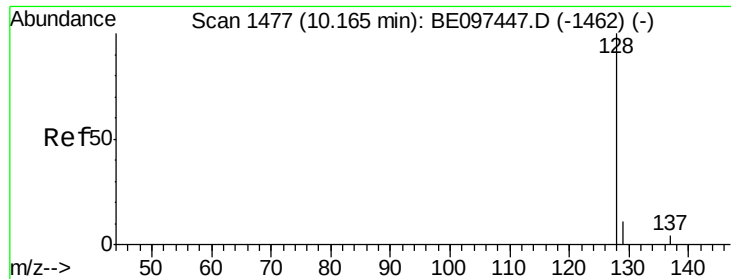
Instrument :
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Quant Time: Sep 13 01:37:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 01:16:50 2018
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#3

Naphthalene

Concen: 8.318 ng/ul

RT: 10.16 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA_E

ClientSampleId :

A3Z22

Tgt Ion:128 Resp: 114940

Ion Ratio Lower Upper

128 100

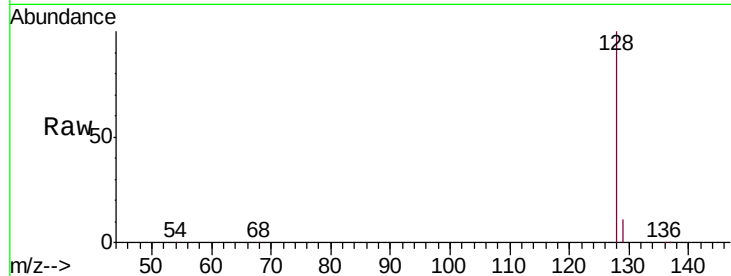
129 11.0 11.3 16.9#

127 0.0 4.0 6.0#

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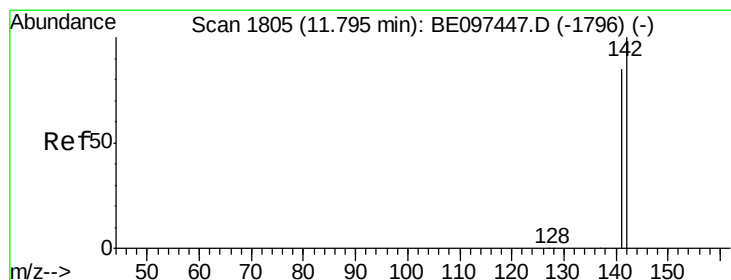
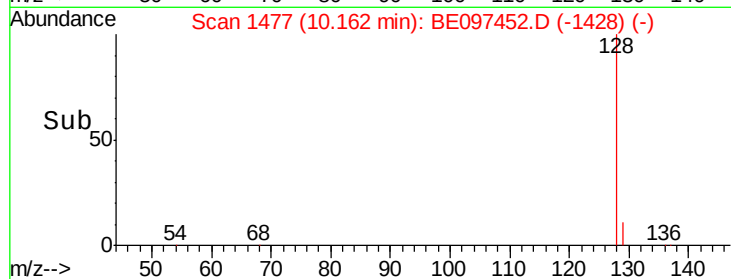
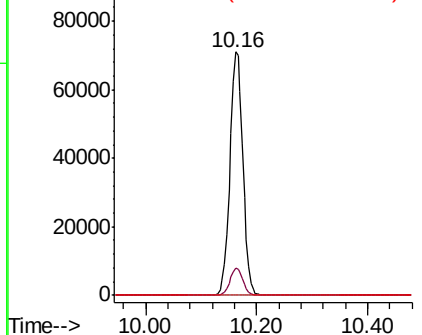
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 4.312 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BE097452.D

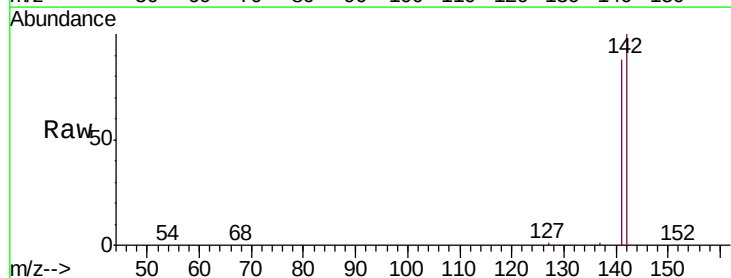
Acq: 12 Sep 2018 13:52

Tgt Ion:142 Resp: 37651

Ion Ratio Lower Upper

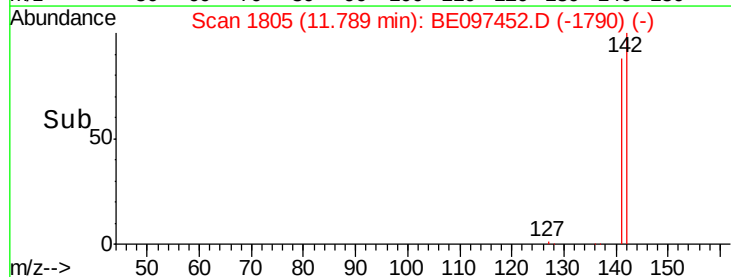
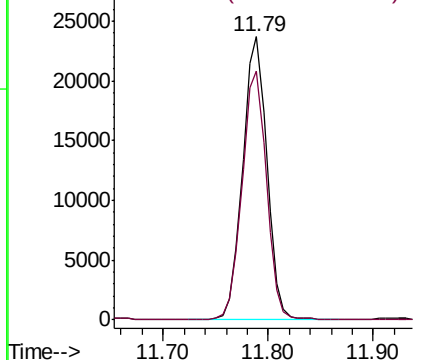
142 100

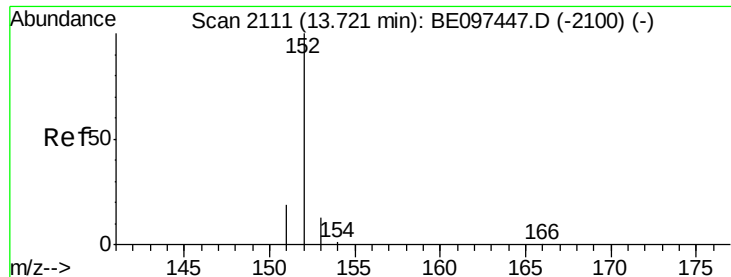
141 88.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.657 ng/ul

RT: 13.72 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA_E

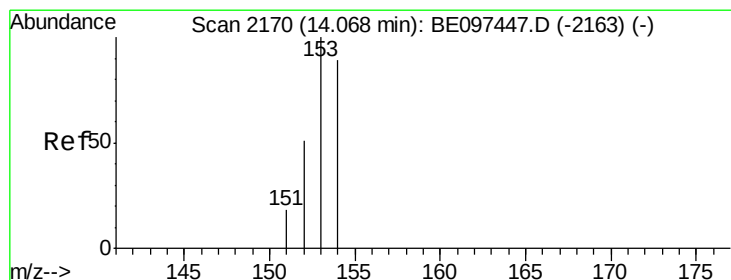
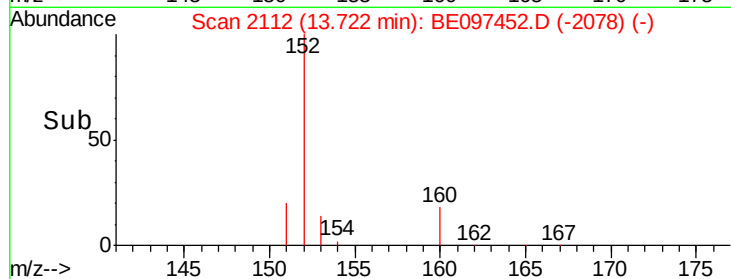
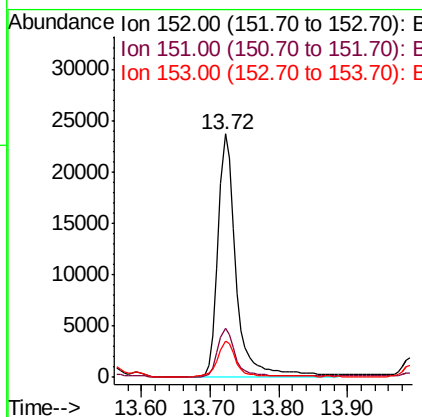
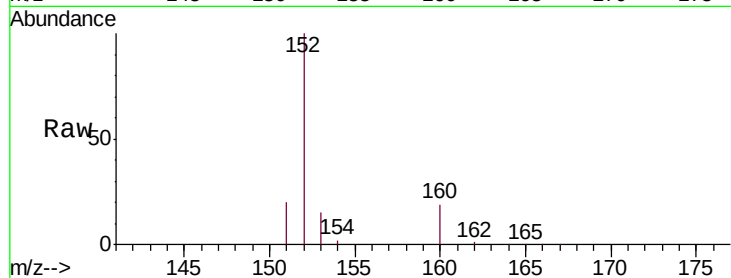
ClientSampleId :

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Tgt Ion:	152	Resp:	43216
Ion Ratio		Lower	Upper
152	100		
151	20.1	17.1	25.7
153	14.7	12.8	19.2

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#8

Acenaphthene

Concen: 5.099 ng/ul

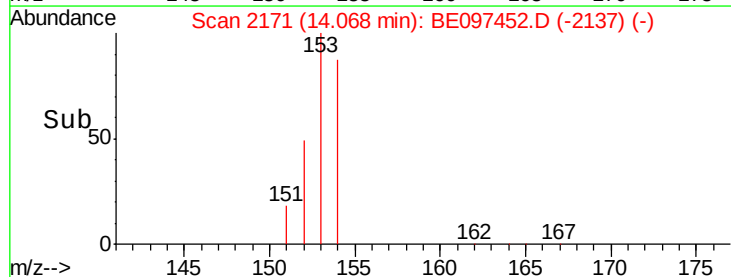
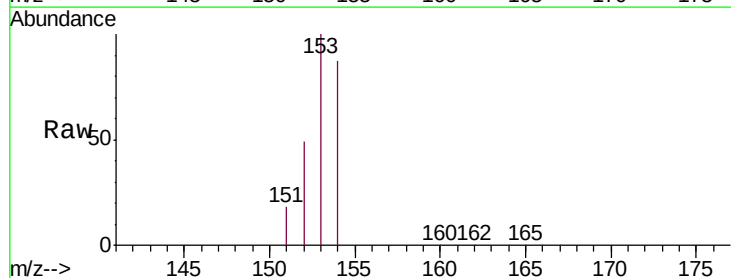
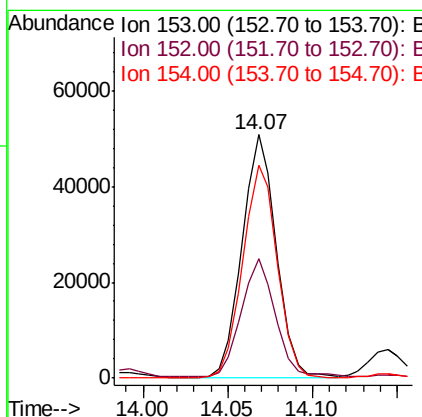
RT: 14.07 min Scan# 2171

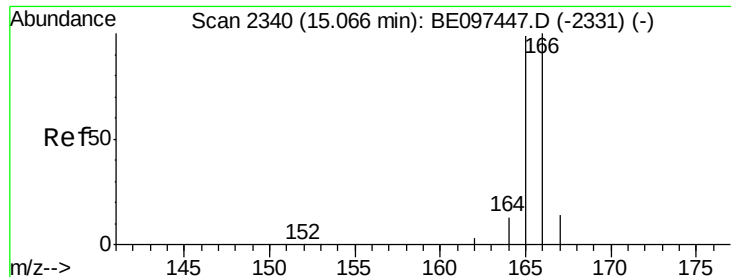
Delta R.T. 0.00 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Tgt Ion:	153	Resp:	71351
Ion Ratio		Lower	Upper
153	100		
152	49.1	36.0	54.0
154	87.3	72.0	108.0





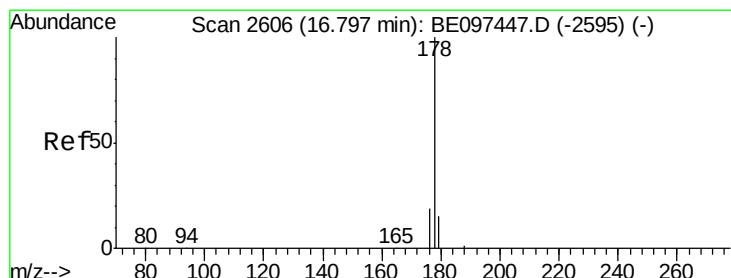
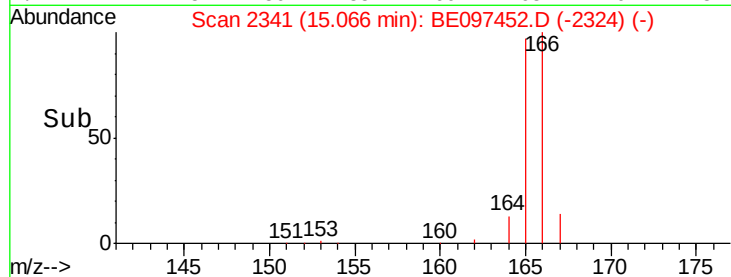
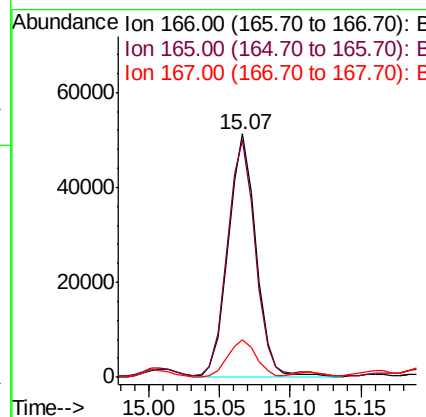
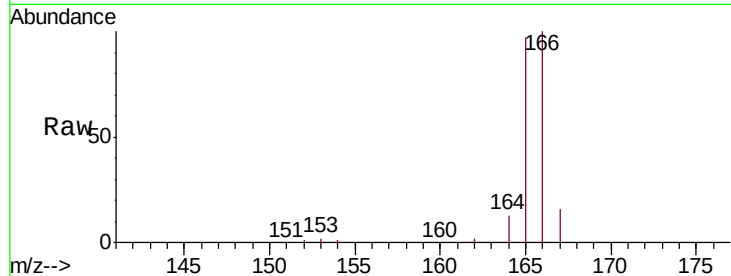
#9
Fluorene
 Concen: 4.317 ng/ul
 RT: 15.07 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	73.4	110.2
167	15.5	14.6	22.0

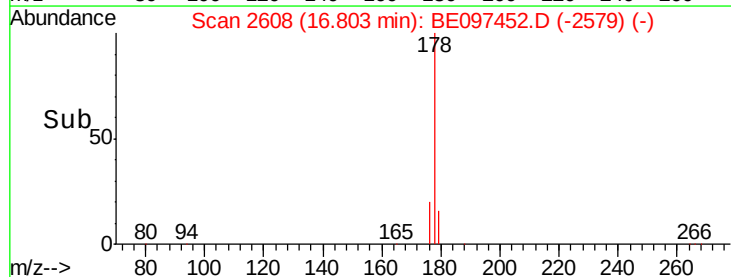
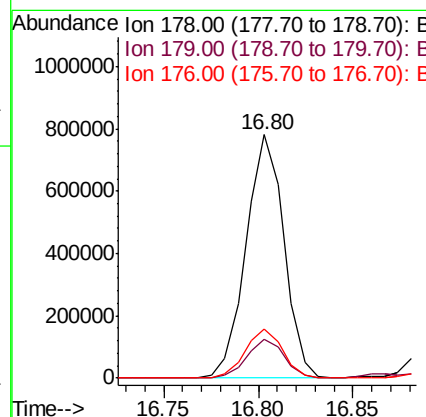
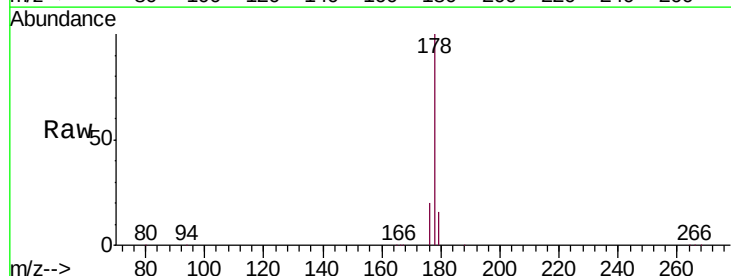
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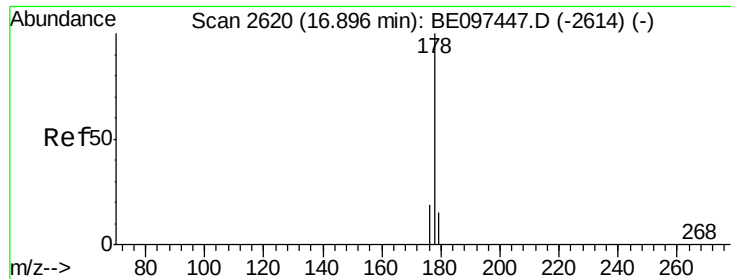
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#12
Phenanthrene
 Concen: 42.194 ng/ul m
 RT: 16.80 min Scan# 2608
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.4	27.6#
176	20.2	13.6	20.4





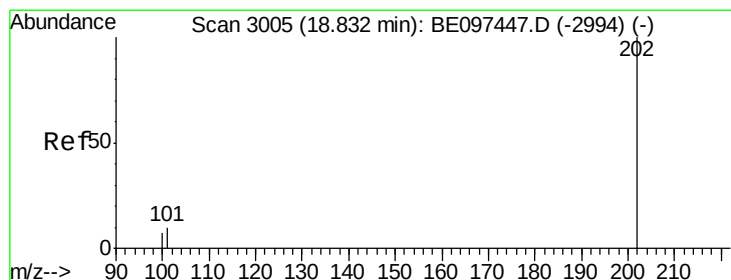
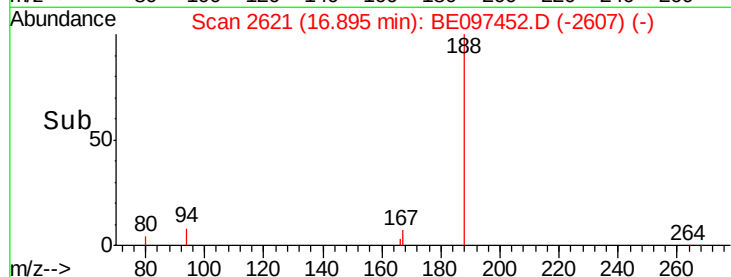
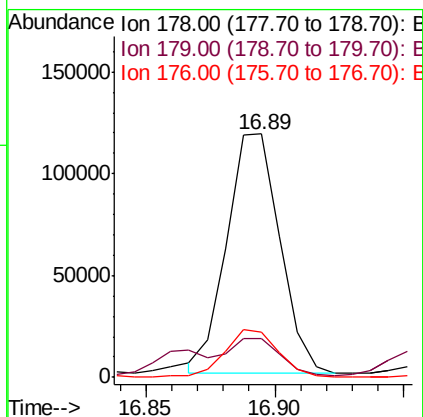
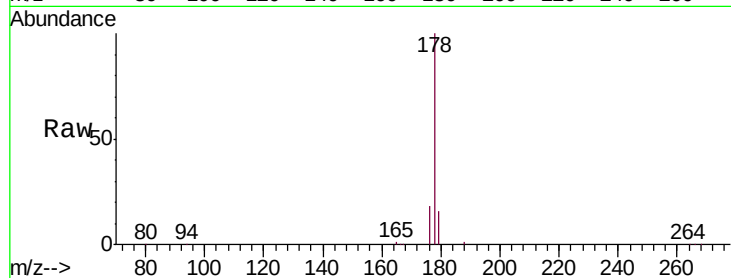
#13
 Anthracene
 Concen: 7.840 ng/ul m
 RT: 16.89 min Scan# 2621
 Delta R.T. -0.00 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	18.1	27.1#
176	18.4	14.7	22.1

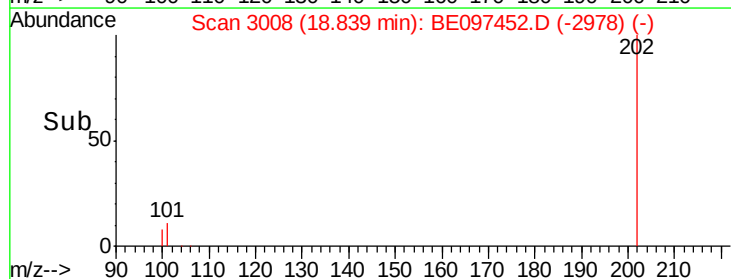
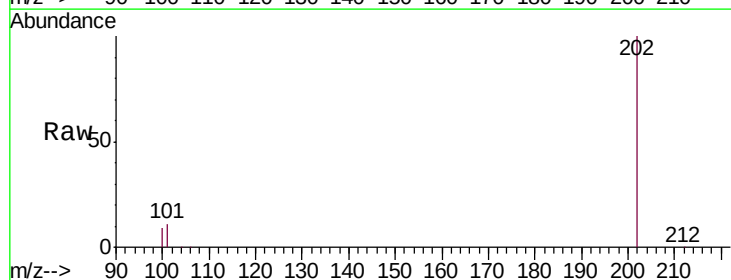
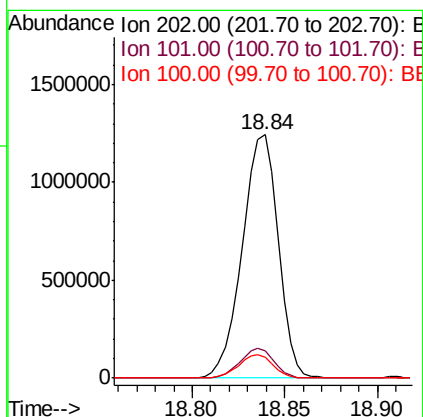
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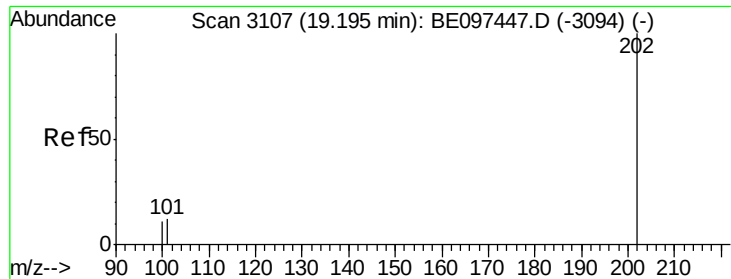
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#15
 Fluoranthene
 Concen: 50.533 ng/ul m
 RT: 18.84 min Scan# 3008
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.3
100	8.5	0.0	39.5





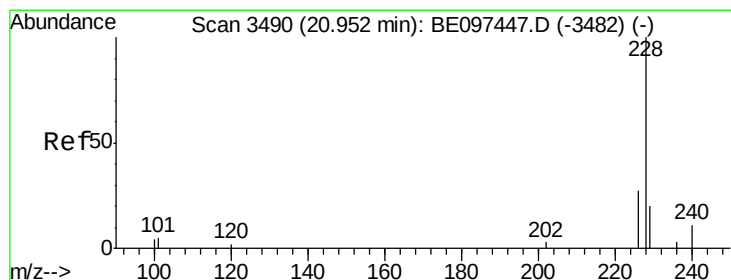
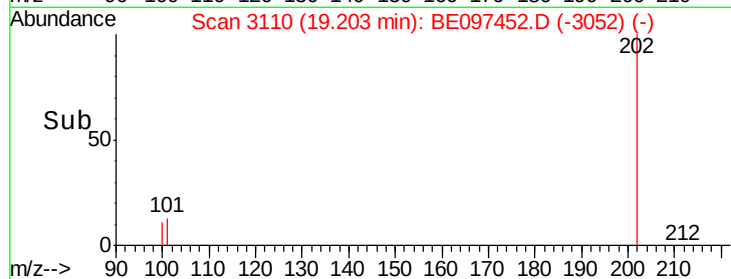
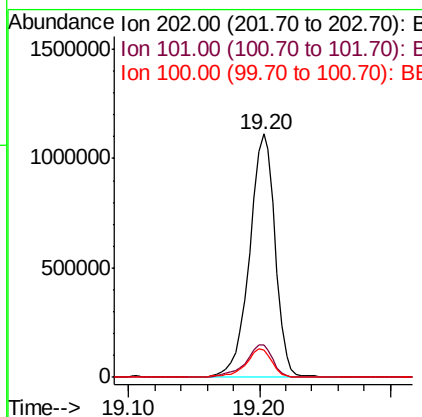
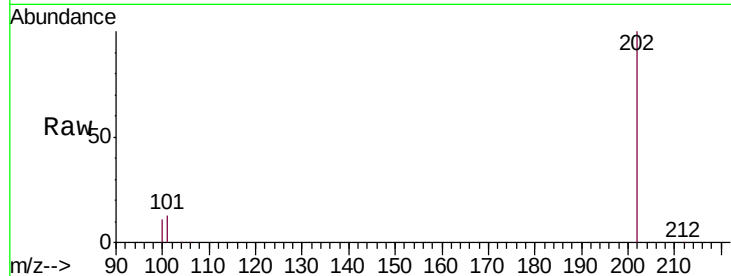
#17
 Pyrene
 Concen: 49.979 ng/ul
 RT: 19.20 min Scan# 3110
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Instrument :
 BNA_E
 ClientSampled :
 A3Z22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	18.2	27.4#
100	11.4	15.6	23.4#

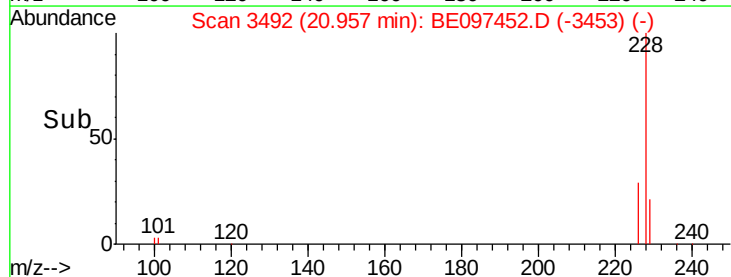
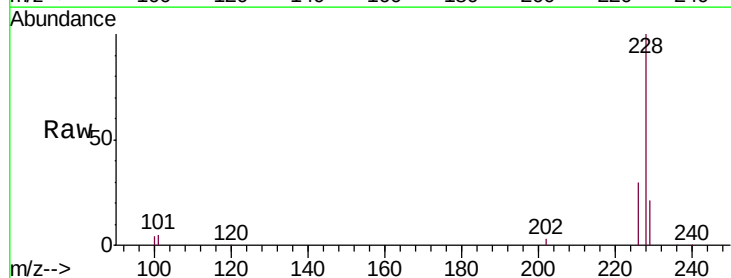
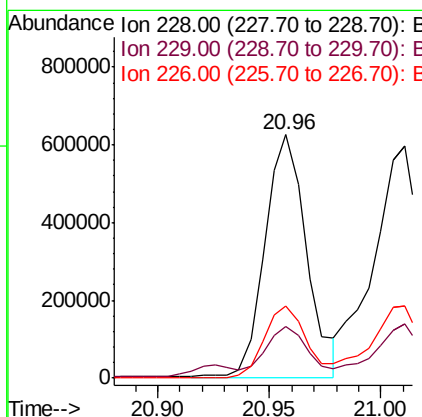
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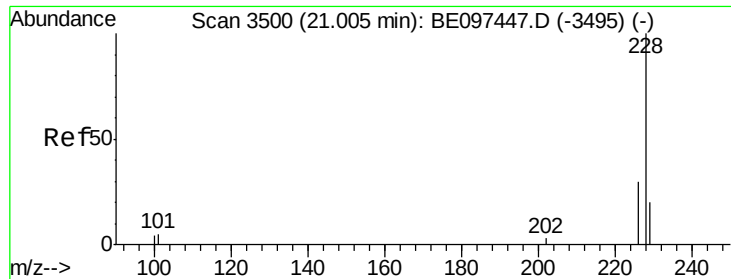
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#18
 Benzo(a)anthracene
 Concen: 28.092 ng/ul m
 RT: 20.96 min Scan# 3492
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	22.8	34.2#
226	29.6	17.0	25.6#





#19

Chrysene

Concen: 26.239 ng/ul

RT: 21.01 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA_E

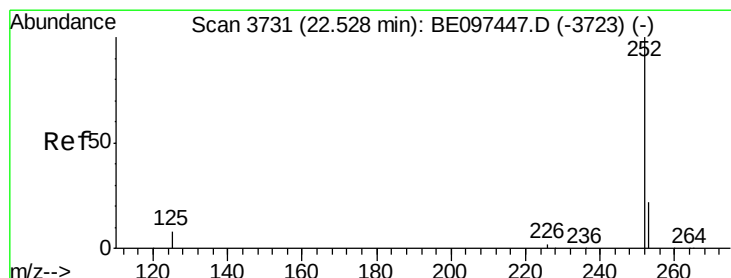
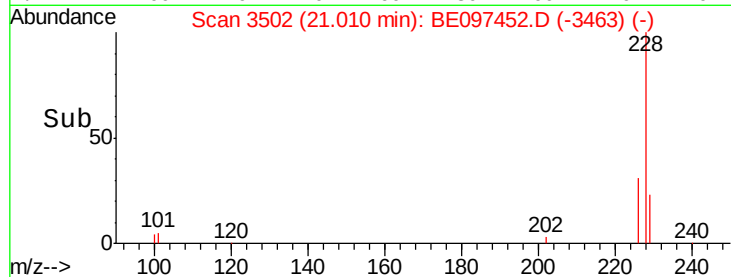
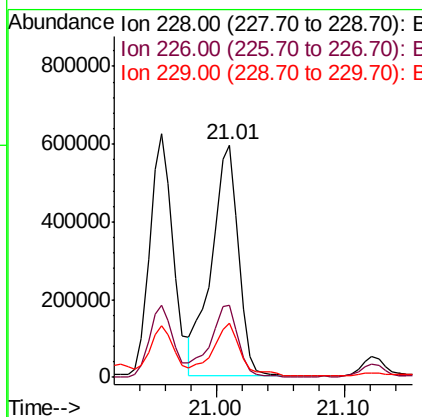
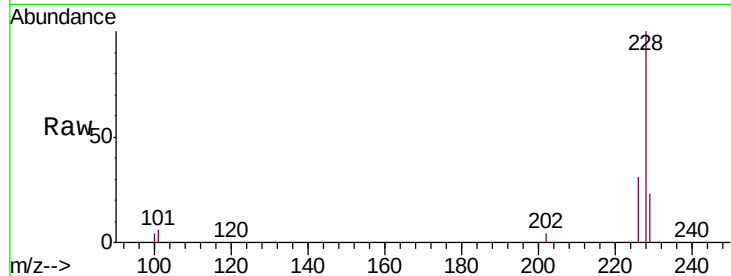
ClientSampleId :

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Tgt Ion:	228	Resp:	872755
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.0
229	23.1	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 40.167 ng/ul m

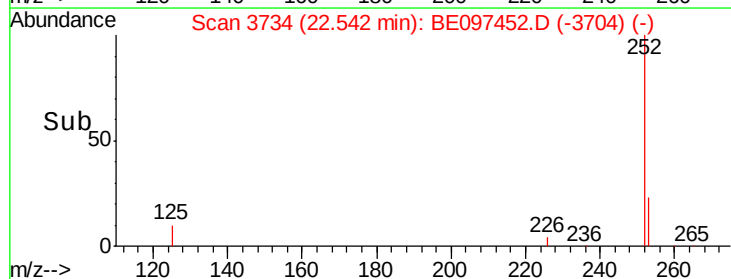
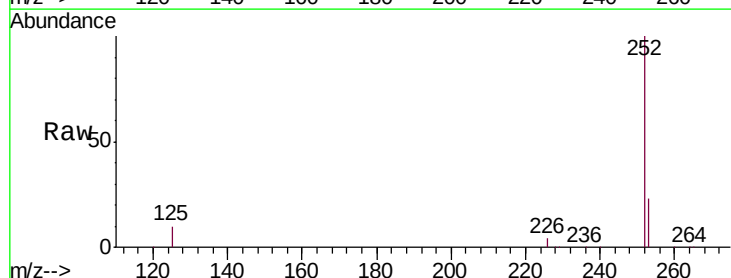
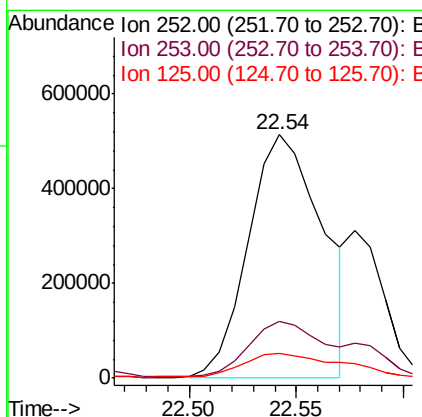
RT: 22.54 min Scan# 3734

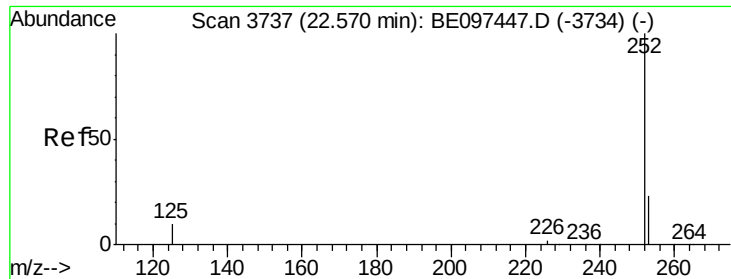
Delta R.T. 0.01 min

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Tgt Ion:	252	Resp:	1237227
Ion Ratio	Lower	Upper	
252	100		
253	23.3	0.0	64.2
125	10.2	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 10.233 ng/ul m

RT: 22.58 min Scan# 3739

Delta R.T. 0.01 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA_E

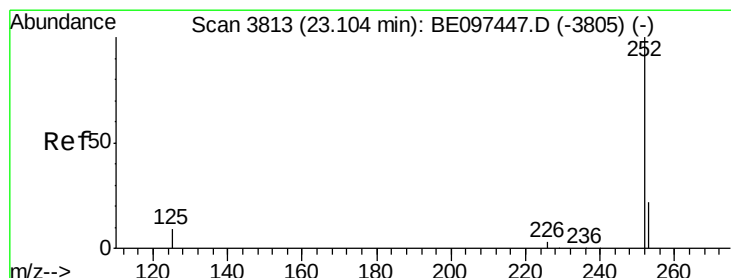
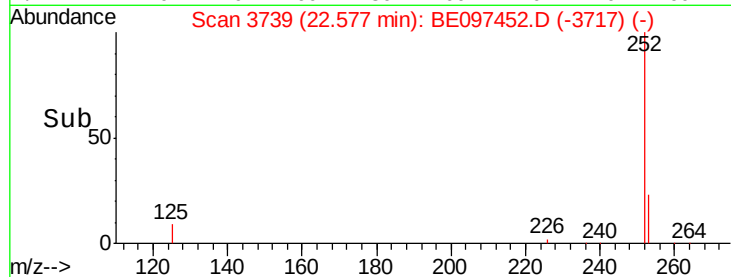
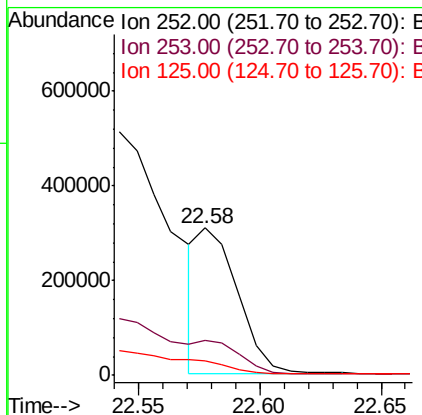
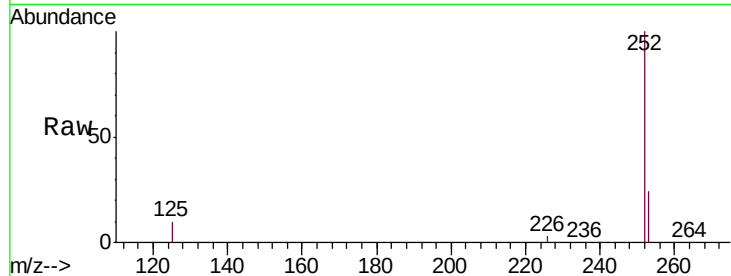
ClientSampleId :

A3Z22

Tgt Ion:	252	Resp:	351482
Ion Ratio	Lower	Upper	
252	100		
253	23.9	24.5	36.7#
125	10.1	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 27.262 ng/ul m

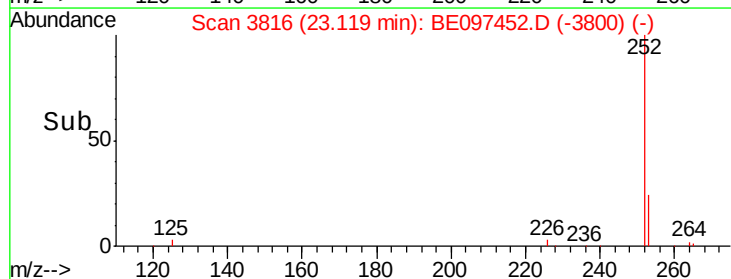
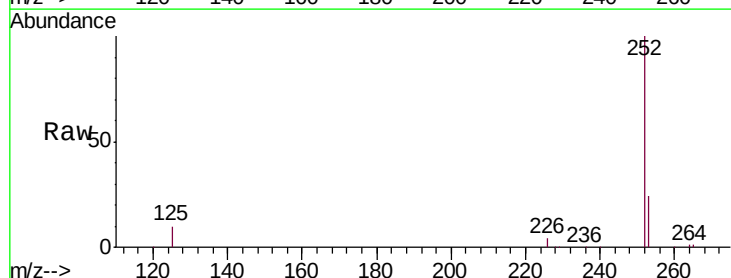
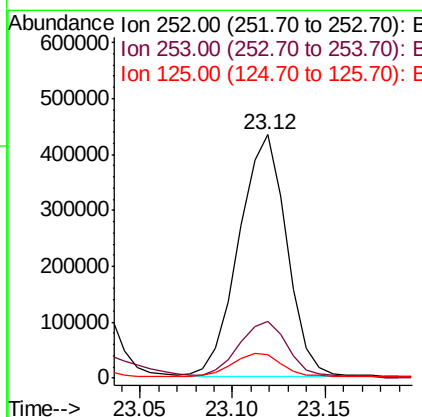
RT: 23.12 min Scan# 3816

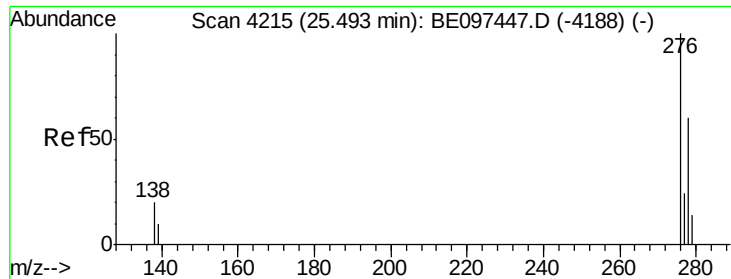
Delta R.T. 0.01 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Tgt Ion:	252	Resp:	776862
Ion Ratio	Lower	Upper	
252	100		
253	23.5	28.5	42.7#
125	9.8	18.1	27.1#





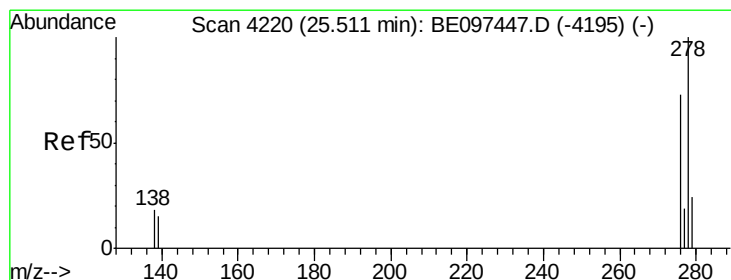
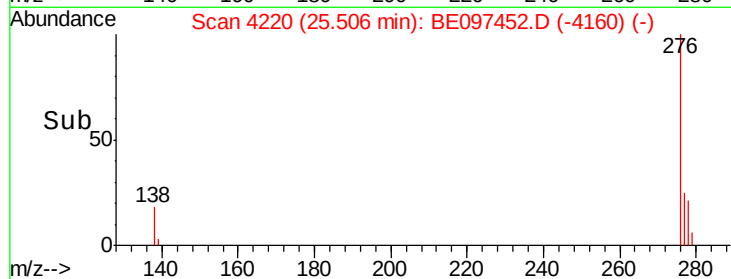
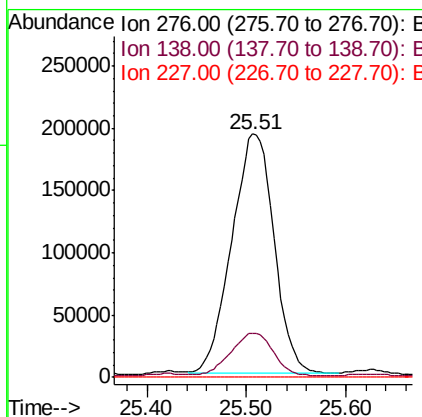
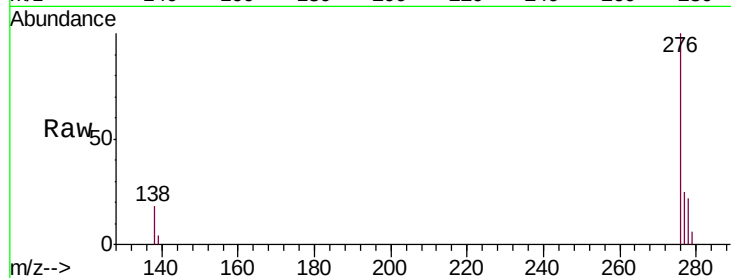
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 15.214 ng/ul
 RT: 25.51 min Scan# 4220
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.1	28.0	42.0#
227	0.0	8.0	12.0#

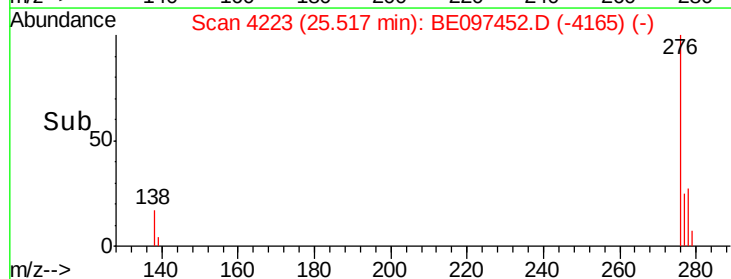
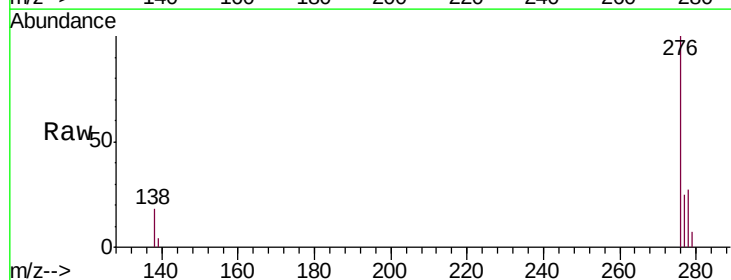
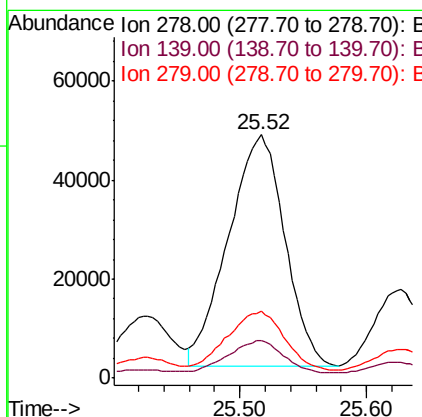
Manual Integrations
 APPROVED

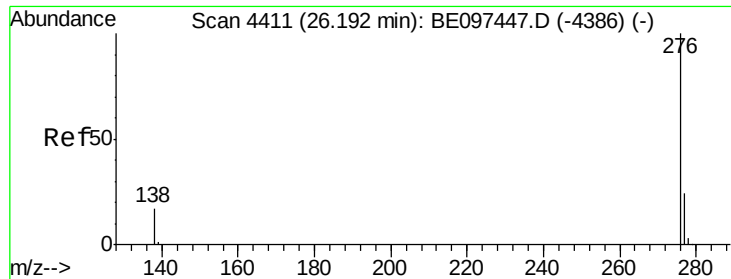
Sohil
 9/13/2018 5:42:17 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.652 ng/ul m
 RT: 25.52 min Scan# 4223
 Delta R.T. 0.01 min
 Lab File: BE097452.D
 Acq: 12 Sep 2018 13:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	15.3	17.4	26.0#
279	27.3	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 17.204 ng/ul

RT: 26.21 min Scan# 4418

Delta R.T. 0.02 min

Lab File: BE097452.D

Acq: 12 Sep 2018 13:52

Instrument :

BNA_E

ClientSampleId :

A3Z22

Tgt Ion: 276 Resp: 541711

Ion Ratio Lower Upper

276 100

138 18.4 21.8 32.8#

277 24.4 20.5 30.7

Manual Integrations
APPROVED

Sohil

9/13/2018 5:42:17 PM

