

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
 Data File : BE097453.D
 Acq On : 12 Sep 2018 14:31
 Operator : SJ/JU
 Sample : J4688-19MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22MS

Manual Integrations
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Sohil
 9/13/2018 5:42:18 PM

Quant Time: Sep 13 01:39:56 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	7.38	152	951	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5348	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	3923	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9527	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	10915	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	12978	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	1659	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	6236	0.20	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.17	128	27300	2.094	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	17727	2.151	ng/ul	97
7) Acenaphthylene	13.72	152	45101	3.156	ng/ul	97
8) Acenaphthene	14.07	153	39781	3.236	ng/ul	97
9) Fluorene	15.07	166	38438	2.730	ng/ul	95
11) Pentachlorophenol	16.43	266	361	0.385	ng/ul	98
12) Phenanthrene	16.80	178	1190502	48.544	ng/ul#	88
13) Anthracene	16.89	178	128843	6.249	ng/ul#	92
15) Fluoranthene	18.84	202	1941653	61.629	ng/ul	84
17) Pyrene	19.20	202	1670528	56.875	ng/ul#	83
18) Benzo(a)anthracene	20.96	228	760697	27.130	ng/ul#	84
19) Chrysene	21.01	228	880608	27.259	ng/ul	98
21) Benzo(b)fluoranthene	22.54	252	1050464m	30.225	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	301649m	7.783	ng/ul	
23) Benzo(a)pyrene	23.11	252	617717	19.212	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.51	276	430033	10.319	ng/ul#	71
25) Dibenzo(a,h)anthracene	25.51	278	120252m	3.406	ng/ul	
26) Benzo(g,h,i)perylene	26.21	276	391603	11.022	ng/ul#	90

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

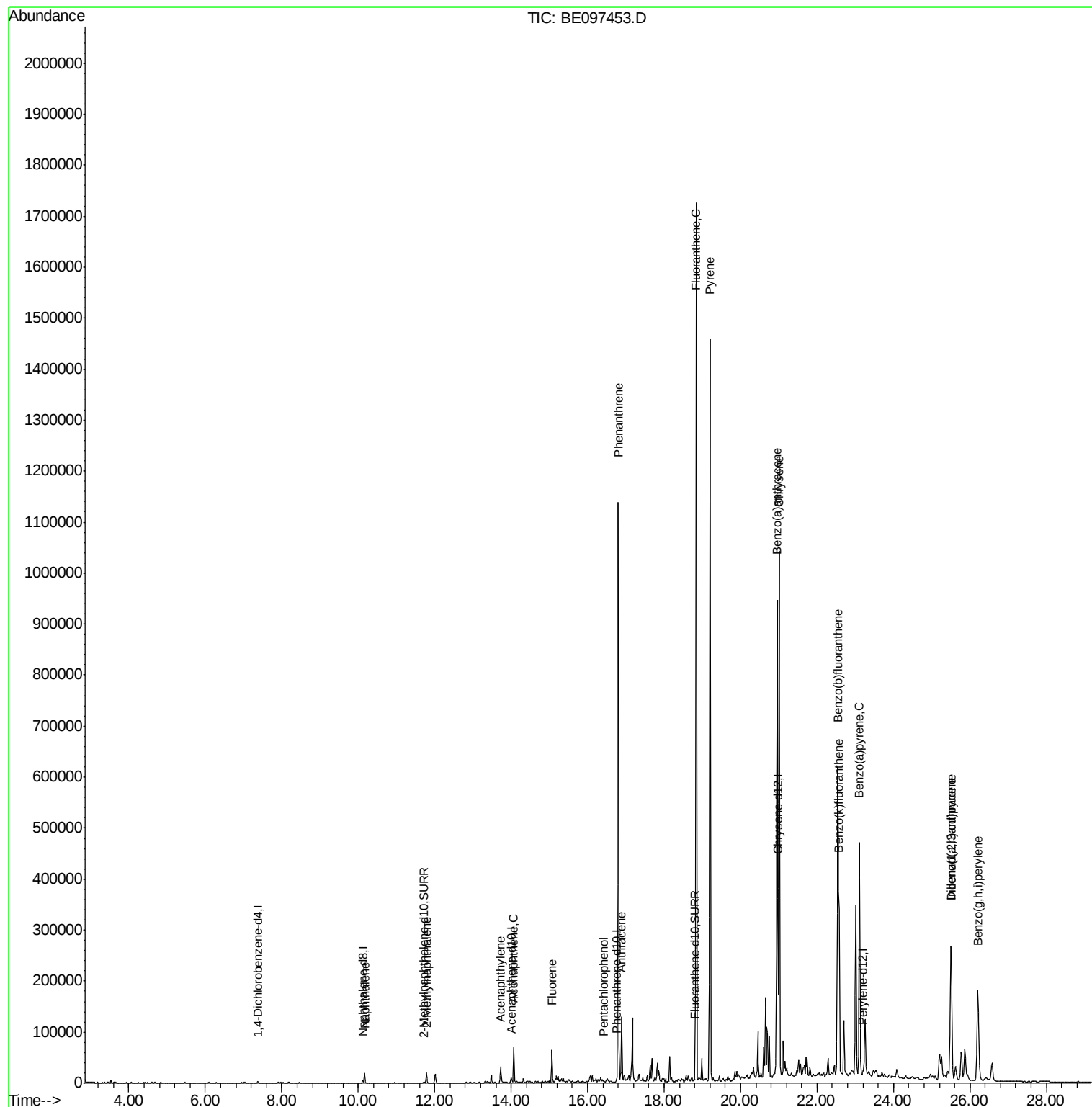
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
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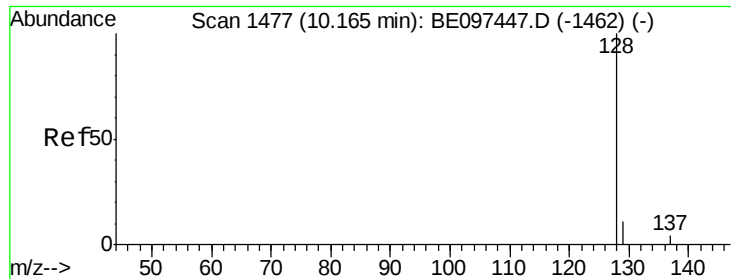
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Quant Time: Sep 13 01:39:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
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#3

Naphthalene

Concen: 2.094 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Instrument :

BNA_E

ClientSampleId :

A3Z22MS

Tgt Ion:128 Resp: 27300

Ion Ratio Lower Upper

128 100

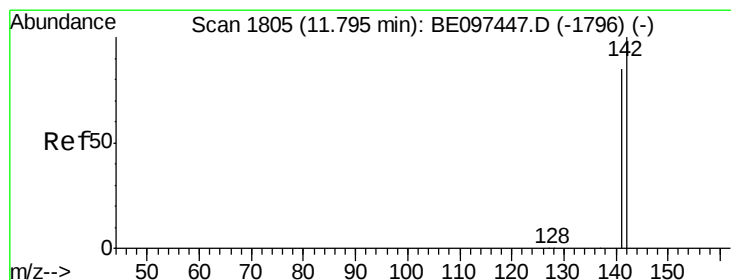
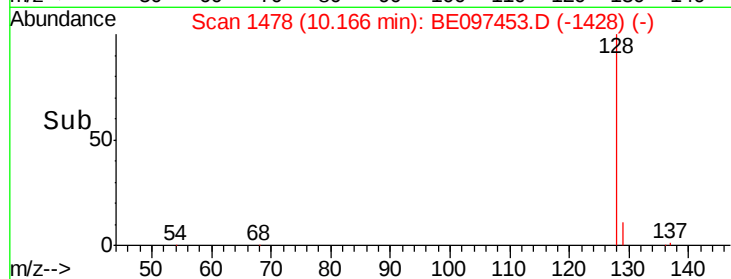
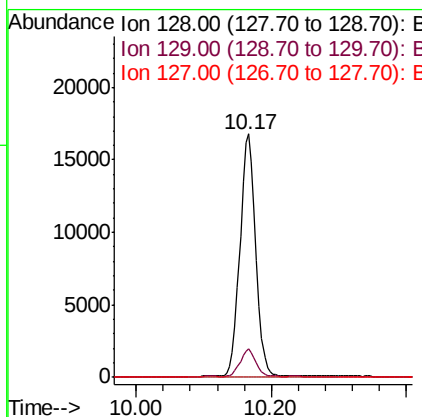
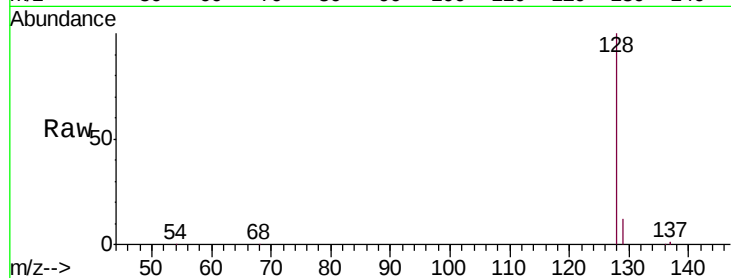
129 11.5 11.3 16.9

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 2.151 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BE097453.D

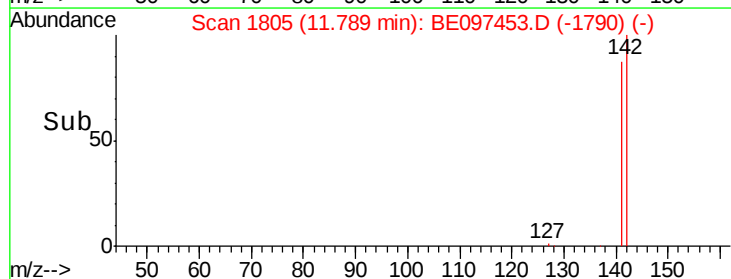
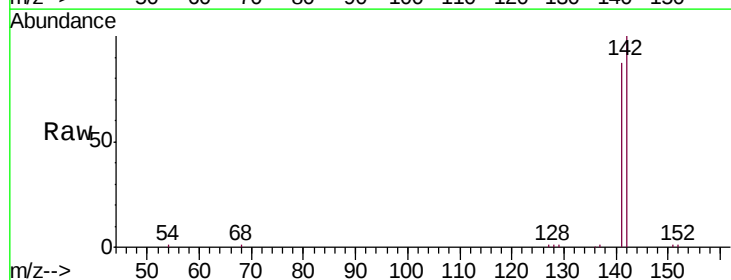
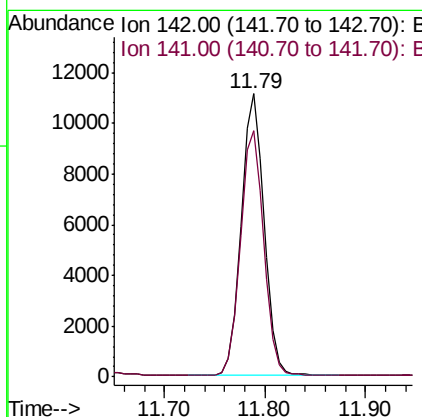
Acq: 12 Sep 2018 14:31

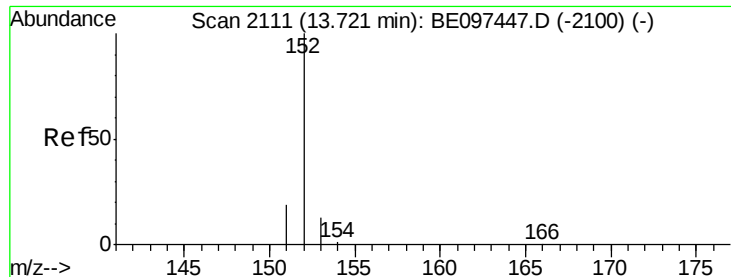
Tgt Ion:142 Resp: 17727

Ion Ratio Lower Upper

142 100

141 88.1 72.6 108.8





#7

Acenaphthylene

Concen: 3.156 ng/ul

RT: 13.72 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Instrument :

BNA_E

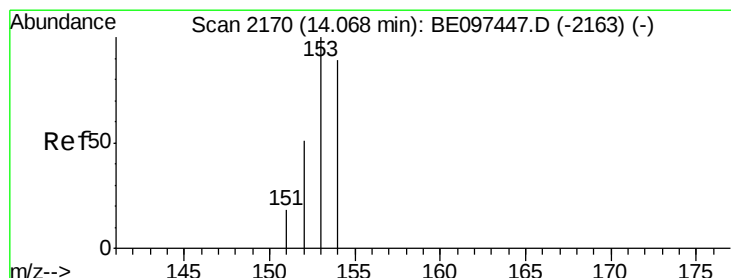
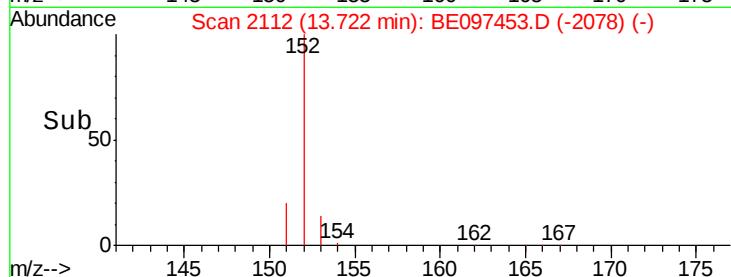
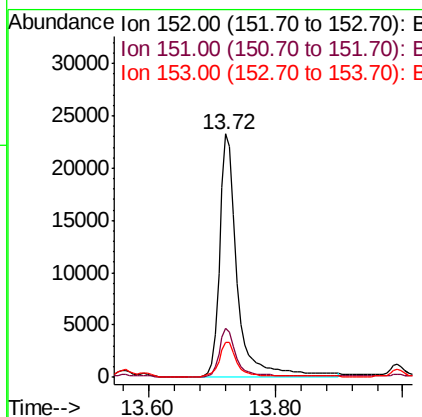
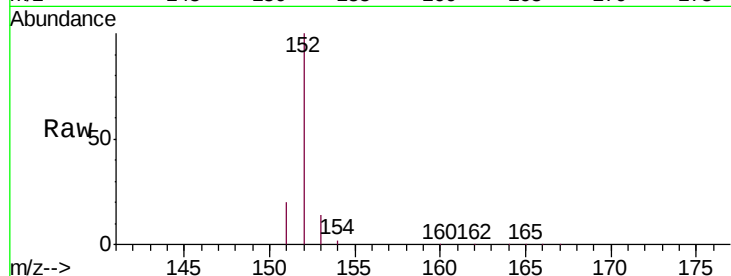
ClientSampleId :

A3Z22MS

Tgt Ion:	152	Resp:	45101
Ion Ratio		Lower	Upper
152	100		
151	20.3	17.1	25.7
153	14.1	12.8	19.2

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#8

Acenaphthene

Concen: 3.236 ng/ul

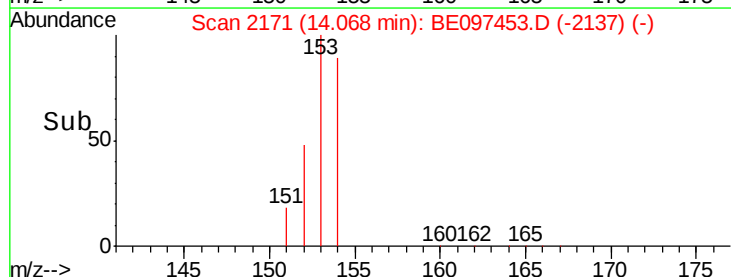
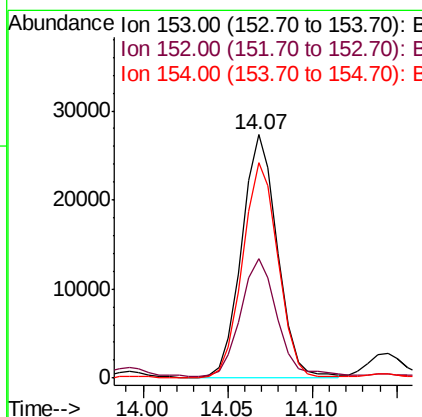
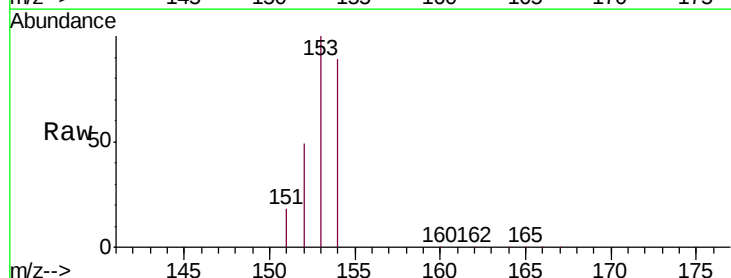
RT: 14.07 min Scan# 2171

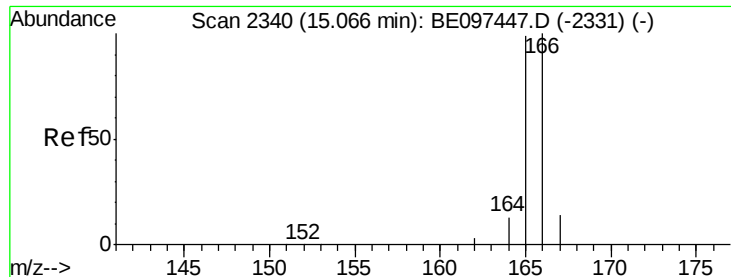
Delta R.T. 0.00 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Tgt Ion:	153	Resp:	39781
Ion Ratio		Lower	Upper
153	100		
152	49.1	36.0	54.0
154	88.7	72.0	108.0





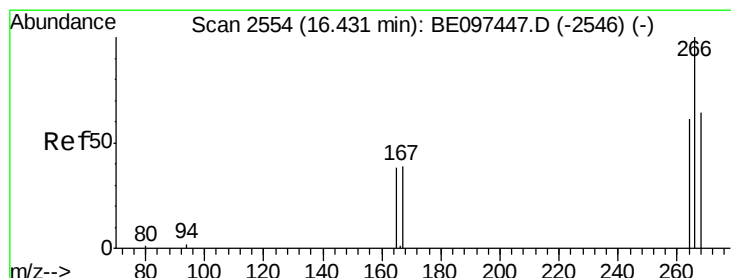
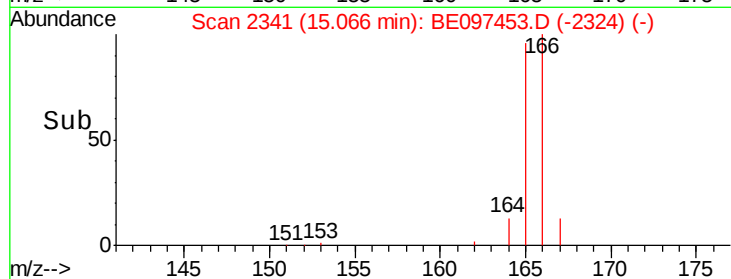
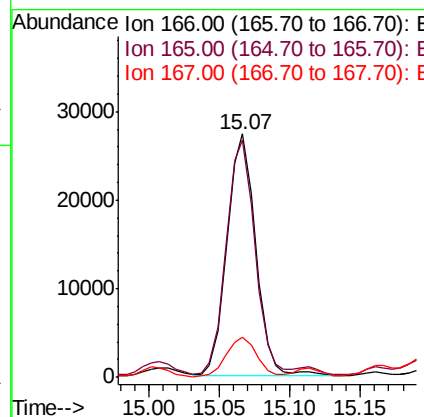
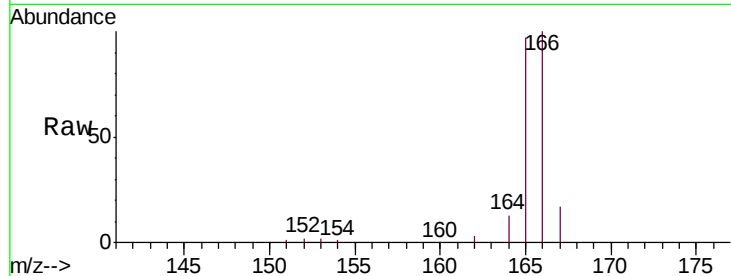
#9
Fluorene
 Concen: 2.730 ng/ul
 RT: 15.07 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: BE097453.D
 Acq: 12 Sep 2018 14:31

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22MS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	73.4	110.2
167	16.7	14.6	22.0

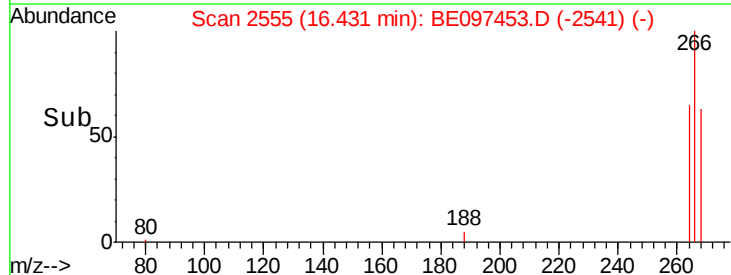
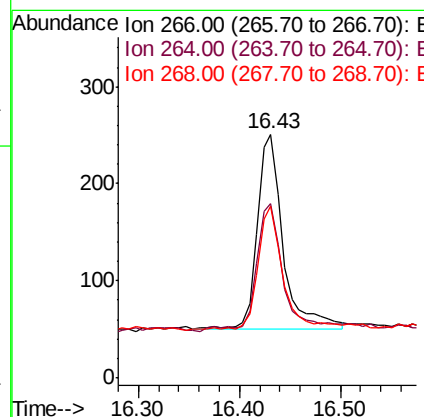
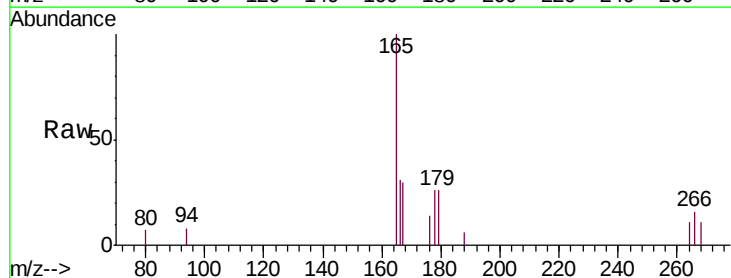
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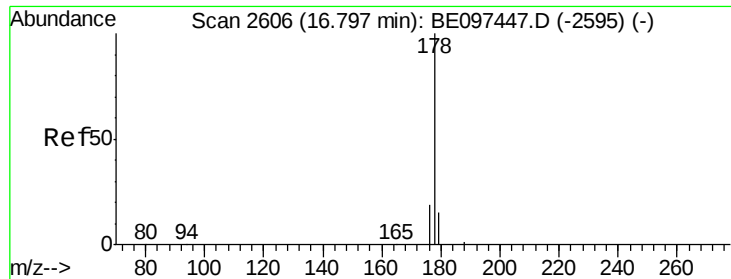
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#11
Pentachlorophenol
 Concen: 0.385 ng/ul
 RT: 16.43 min Scan# 2555
 Delta R.T. -0.00 min
 Lab File: BE097453.D
 Acq: 12 Sep 2018 14:31

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.0	47.9	71.9
268	62.9	49.8	74.8





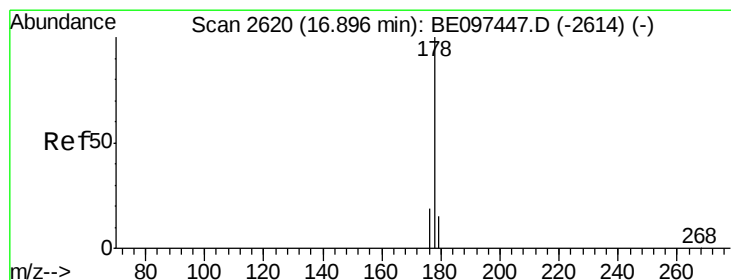
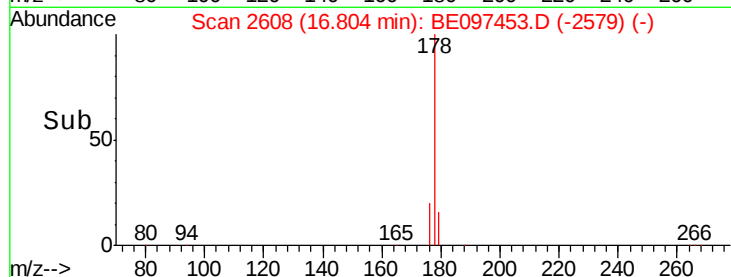
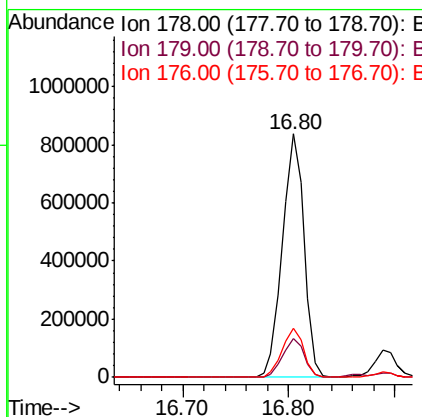
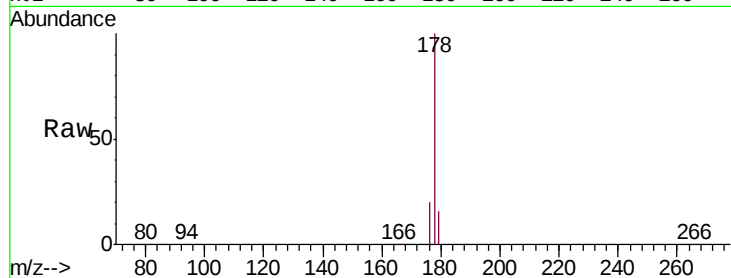
#12
Phenanthrene
Concen: 48.544 ng/ul
RT: 16.80 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion:178 Resp: 1190502
Ion Ratio Lower Upper
178 100
179 15.8 18.4 27.6#
176 20.1 13.6 20.4

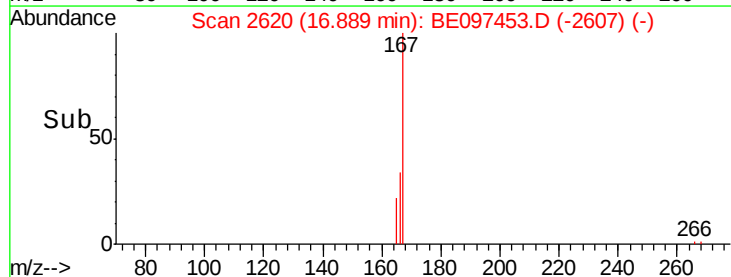
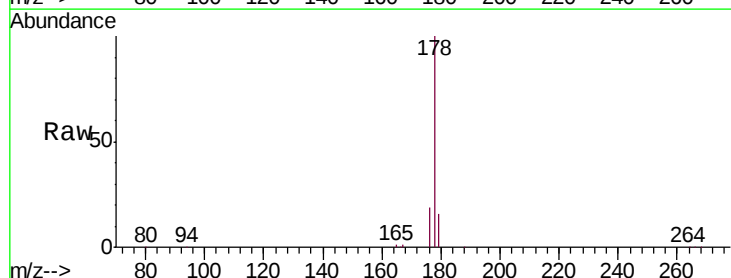
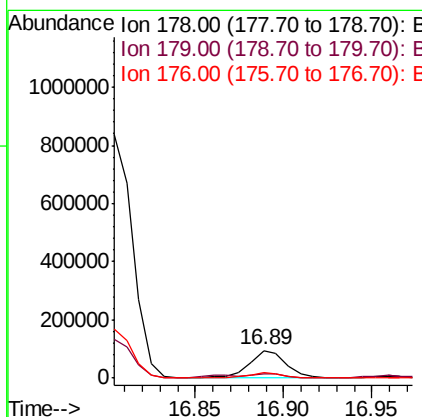
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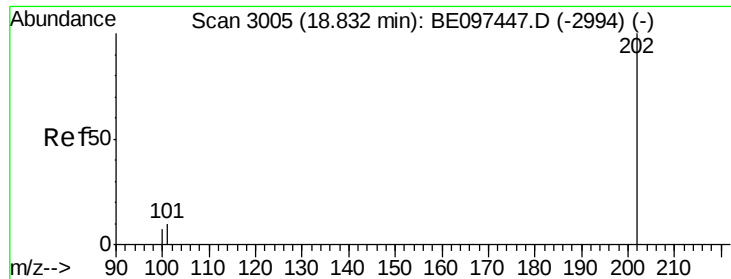
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#13
Anthracene
Concen: 6.249 ng/ul
RT: 16.89 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Tgt Ion:178 Resp: 128843
Ion Ratio Lower Upper
178 100
179 15.8 18.1 27.1#
176 19.0 14.7 22.1





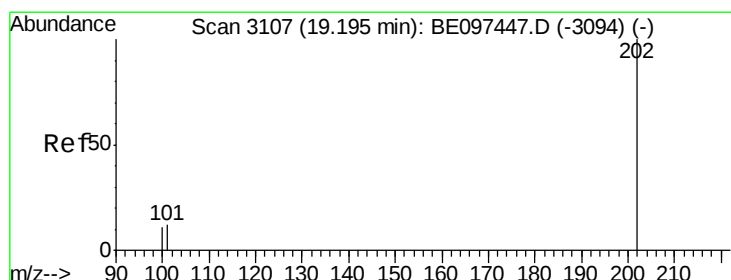
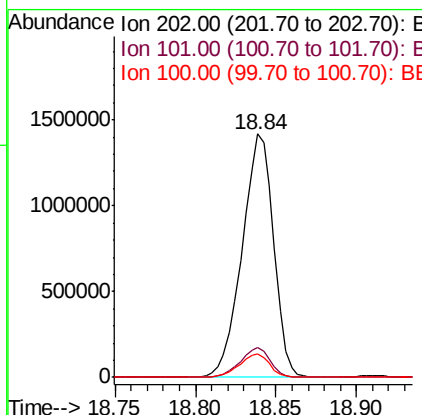
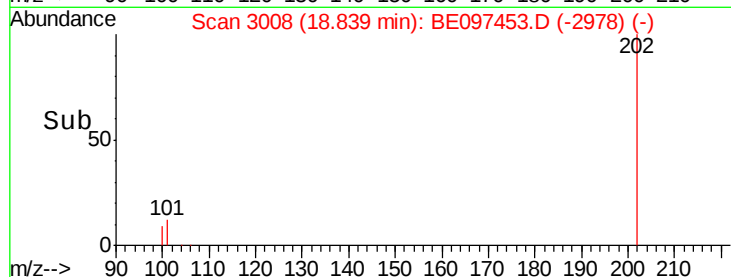
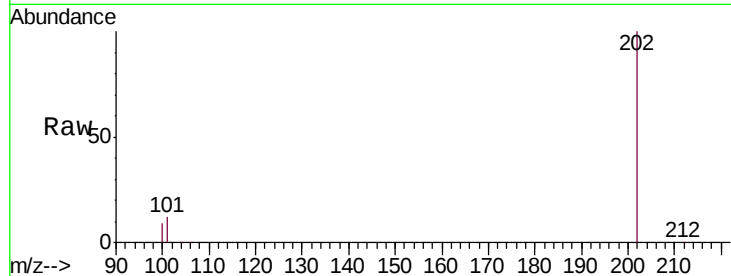
#15
Fluoranthene
Concen: 61.629 ng/ul
RT: 18.84 min Scan# 3008
Delta R.T. 0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.3
100	9.5	0.0	39.5

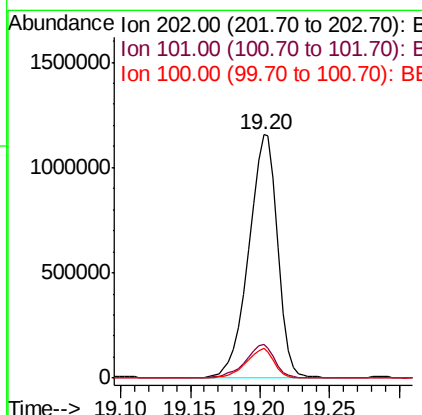
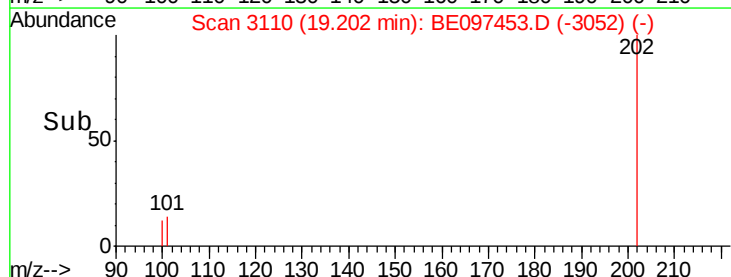
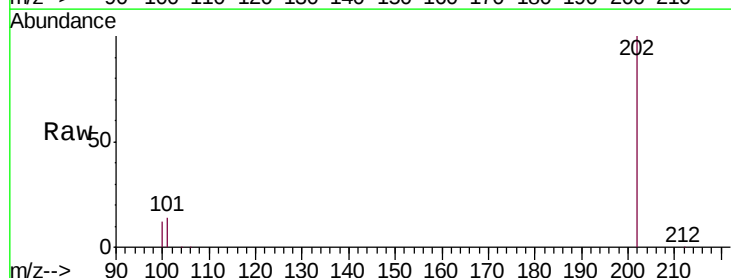
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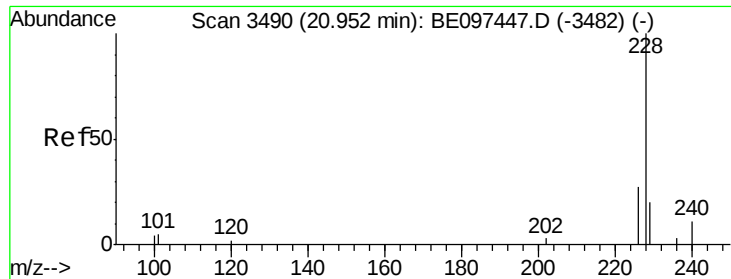
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#17
Pyrene
Concen: 56.875 ng/ul
RT: 19.20 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	18.2	27.4#
100	12.1	15.6	23.4#





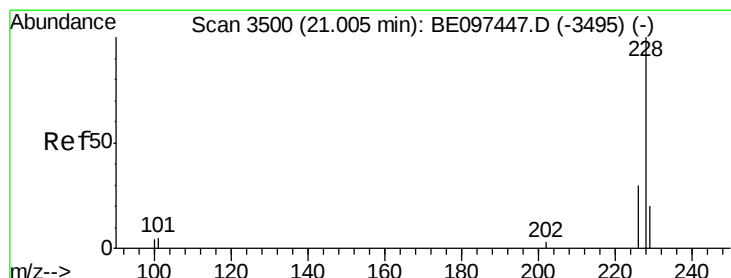
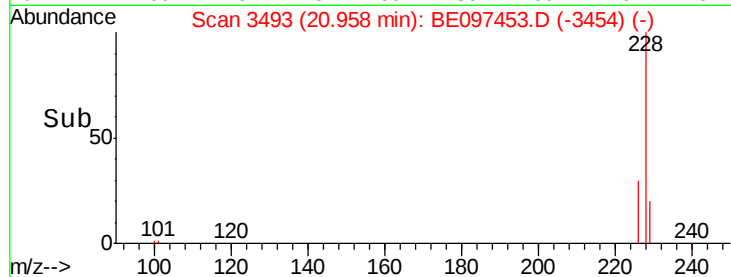
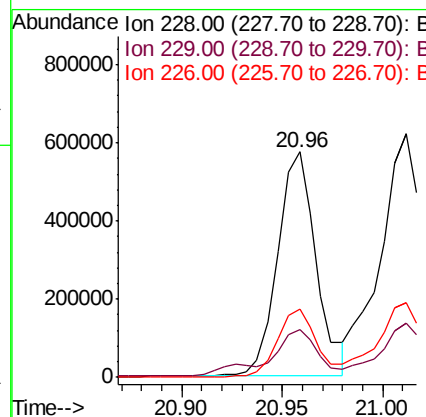
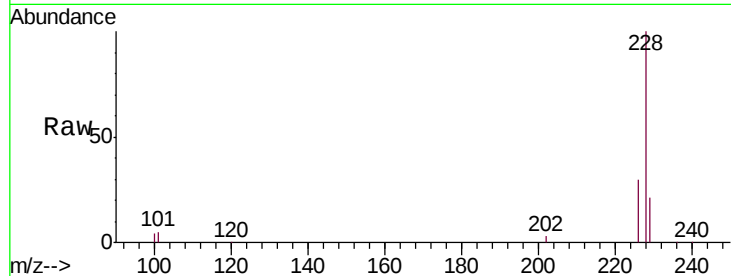
#18
Benzo(a)anthracene
Concen: 27.130 ng/ul
RT: 20.96 min Scan# 3493
Delta R.T. 0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	760697		
229	21.2	22.8	34.2#	
226	30.2	17.0	25.6#	

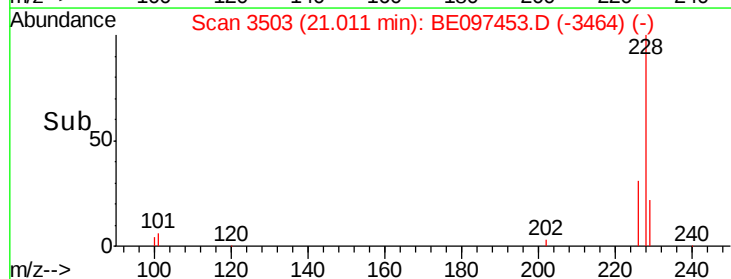
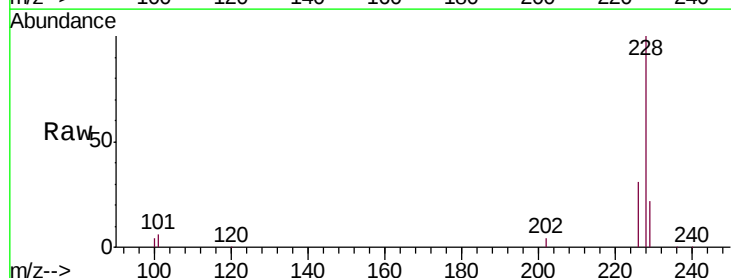
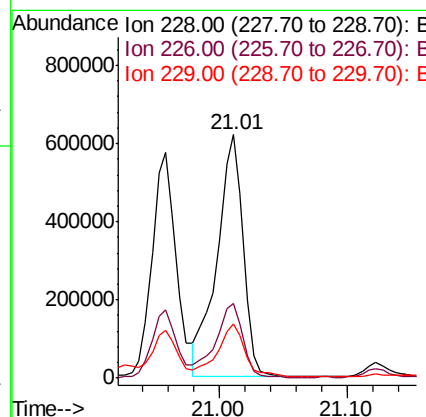
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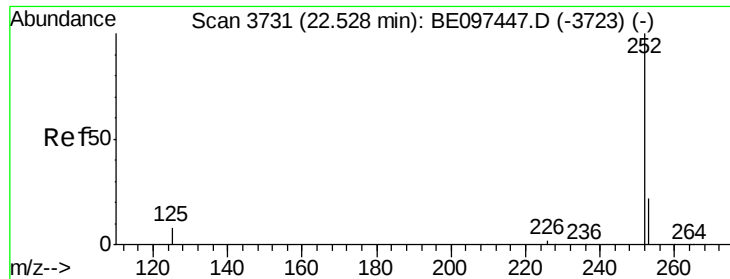
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#19
Chrysene
Concen: 27.259 ng/ul
RT: 21.01 min Scan# 3503
Delta R.T. 0.01 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	880608		
226	30.8	23.4	35.0	
229	22.3	17.7	26.5	





#21

Benzo(b)fluoranthene

Concen: 30.225 ng/ul m

RT: 22.54 min Scan# 3735

Delta R.T. 0.01 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Instrument :

BNA_E

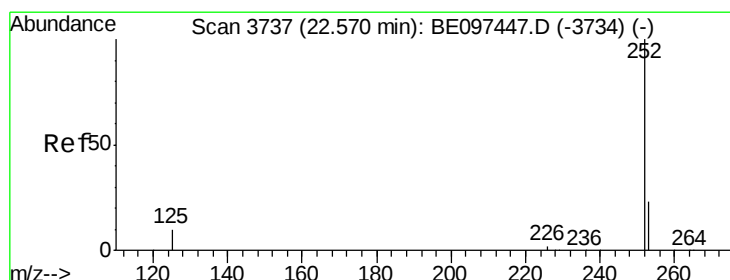
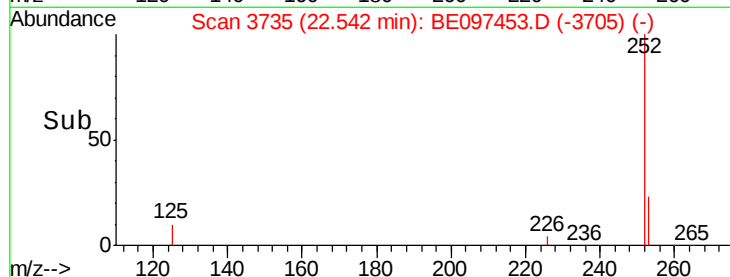
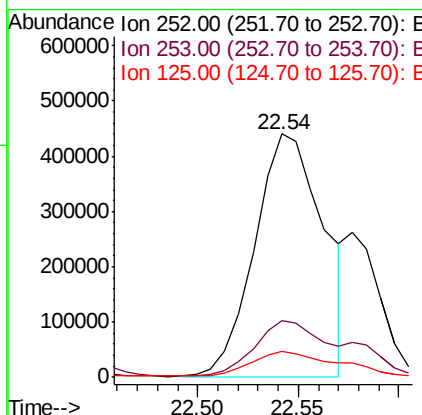
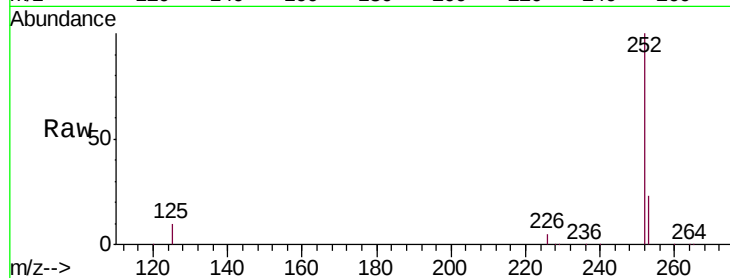
ClientSampleId :

A3Z22MS

Tgt Ion:	252	Resp:	1050464
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	64.2
125	10.5	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 7.783 ng/ul m

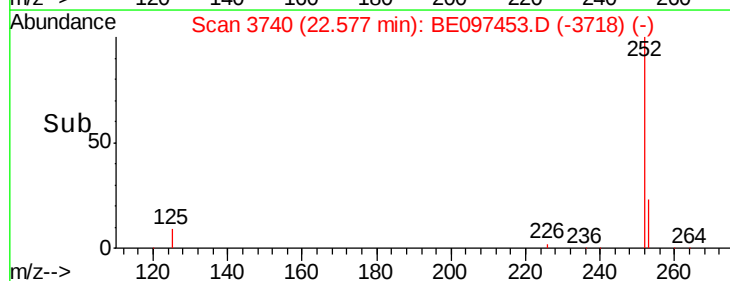
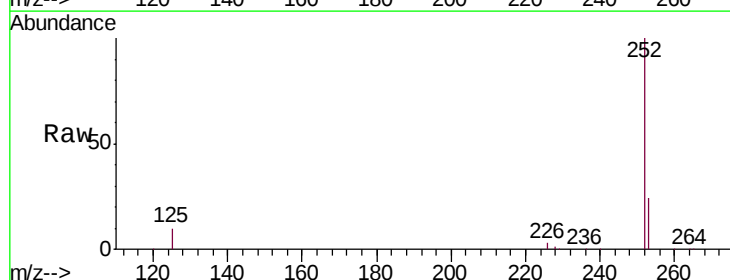
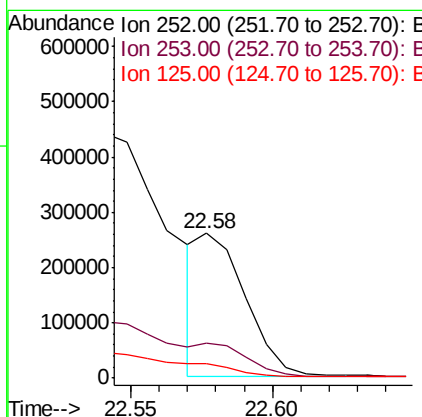
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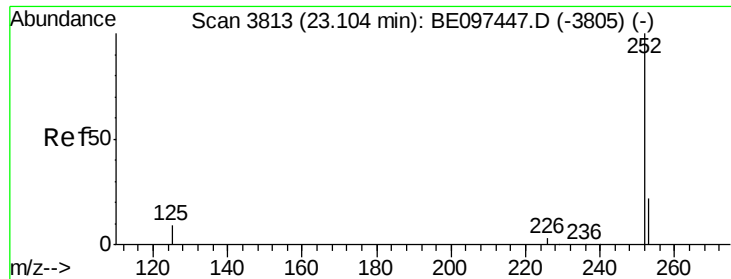
Delta R.T. 0.01 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Tgt Ion:	252	Resp:	301649
Ion Ratio	Lower	Upper	
252	100		
253	23.9	24.5	36.7#
125	9.8	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 19.212 ng/ul

RT: 23.11 min Scan# 3816

Delta R.T. 0.01 min

Lab File: BE097453.D

Acq: 12 Sep 2018 14:31

Instrument :

BNA_E

ClientSampleId :

A3Z22MS

Tgt Ion: 252 Resp: 617717
Ion Ratio Lower Upper

252 100

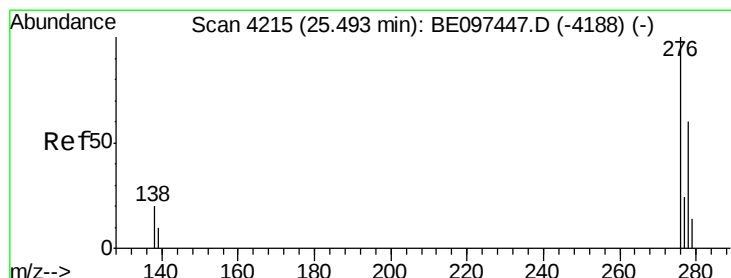
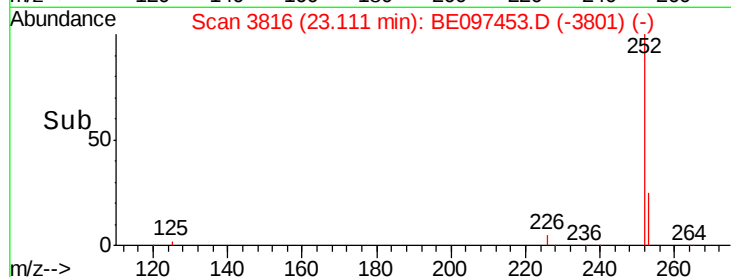
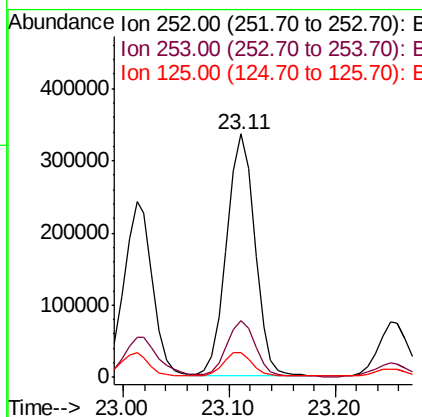
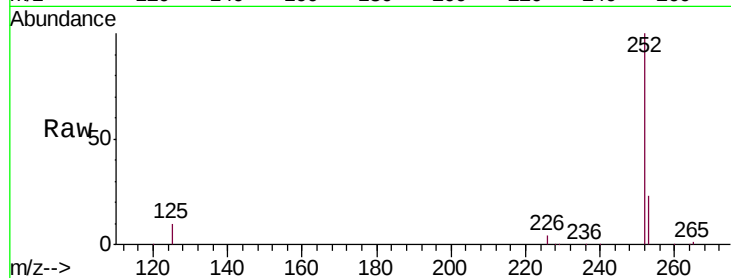
253 23.3 28.5 42.7#

125 10.0 18.1 27.1#

Manual Integrations
APPROVED

Sohil

9/13/2018 5:42:18 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 10.319 ng/ul

RT: 25.51 min Scan# 4221

Delta R.T. 0.01 min

Lab File: BE097453.D

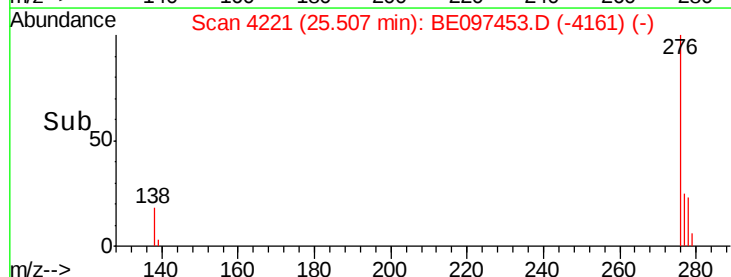
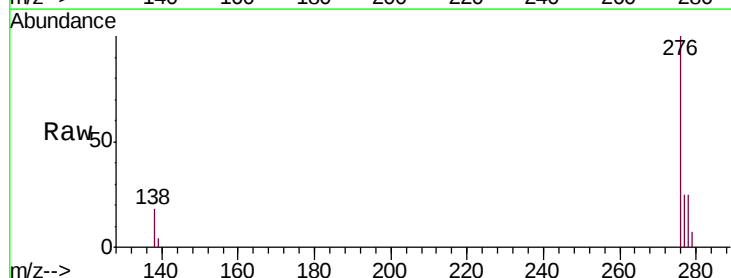
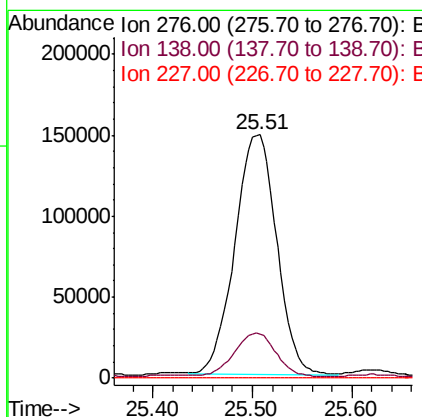
Acq: 12 Sep 2018 14:31

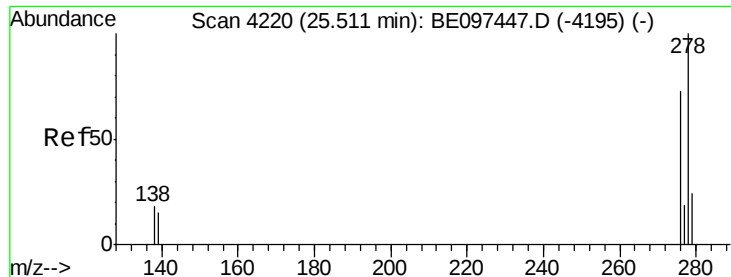
Tgt Ion: 276 Resp: 430033
Ion Ratio Lower Upper

276 100

138 18.2 28.0 42.0#

227 0.0 8.0 12.0#





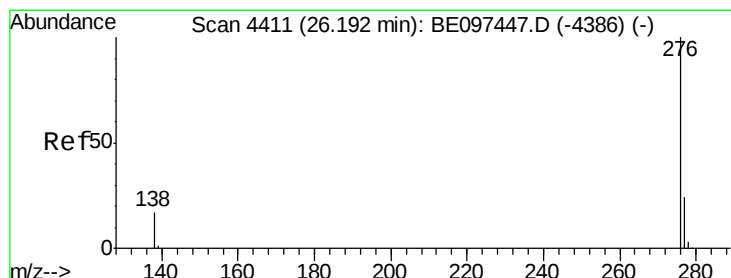
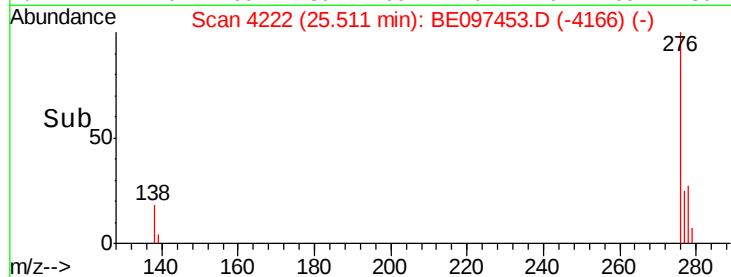
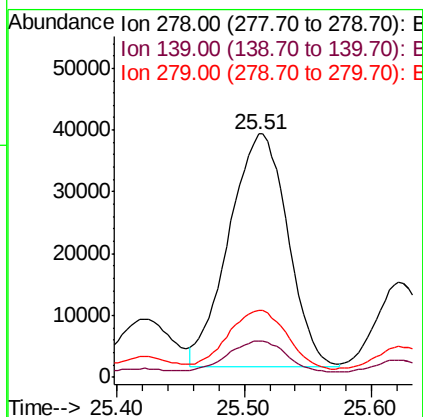
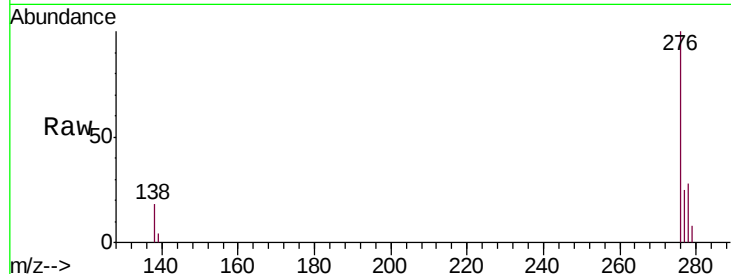
#25
Dibenzo(a,h)anthracene
Concen: 3.406 ng/ul m
RT: 25.51 min Scan# 4222
Delta R.T. -0.00 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Instrument :
BNA_E
ClientSampled :
A3Z22MS

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	120252		
139	15.1	17.4	26.0#	
279	27.6	25.9	38.9	

Manual Integrations
APPROVED

Sohil
9/13/2018 5:42:18 PM



#26
Benzo(g,h,i)perylene
Concen: 11.022 ng/ul
RT: 26.21 min Scan# 4418
Delta R.T. 0.02 min
Lab File: BE097453.D
Acq: 12 Sep 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	391603		
138	18.3	21.8	32.8#	
277	24.4	20.5	30.7	

