

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE090718\
 Data File : BE097429.D
 Acq On : 7 Sep 2018 20:18
 Operator : SJ/JU
 Sample : J4688-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Manual Integrations
 APPROVED

Sohil
 9/11/2018 2:43:12 PM

Quant Time: Sep 08 02:56:40 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 : Sat Sep 08 02:48:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1066	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5684	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4235	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9782m	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11005m	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	11732m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	2299	0.26	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	7502m	0.23	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.17	128	116066	8.374	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	36691	4.189	ng/ul	97
7) Acenaphthylene	13.72	152	43382	2.812	ng/ul	97
8) Acenaphthene	14.07	153	68019	5.126	ng/ul	96
9) Fluorene	15.07	166	66736	4.391	ng/ul	93
12) Phenanthrene	16.80	178	1088438m	43.225	ng/ul	
13) Anthracene	16.90	178	172696m	8.157	ng/ul	
15) Fluoranthene	18.84	202	1700141m	52.557	ng/ul	
17) Pyrene	19.20	202	1523010	51.428	ng/ul#	82
18) Benzo(a)anthracene	20.96	228	814373m	28.807	ng/ul	
19) Chrysene	21.01	228	891443	27.369	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	1227673m	39.075	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	367164m	10.480	ng/ul	
23) Benzo(a)pyrene	23.12	252	779583m	26.821	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.51	276	561019	14.892	ng/ul#	72
25) Dibenzo(a,h)anthracene	25.51	278	149705m	4.690	ng/ul	
26) Benzo(g,h,i)perylene	26.21	276	541080	16.847	ng/ul#	90

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

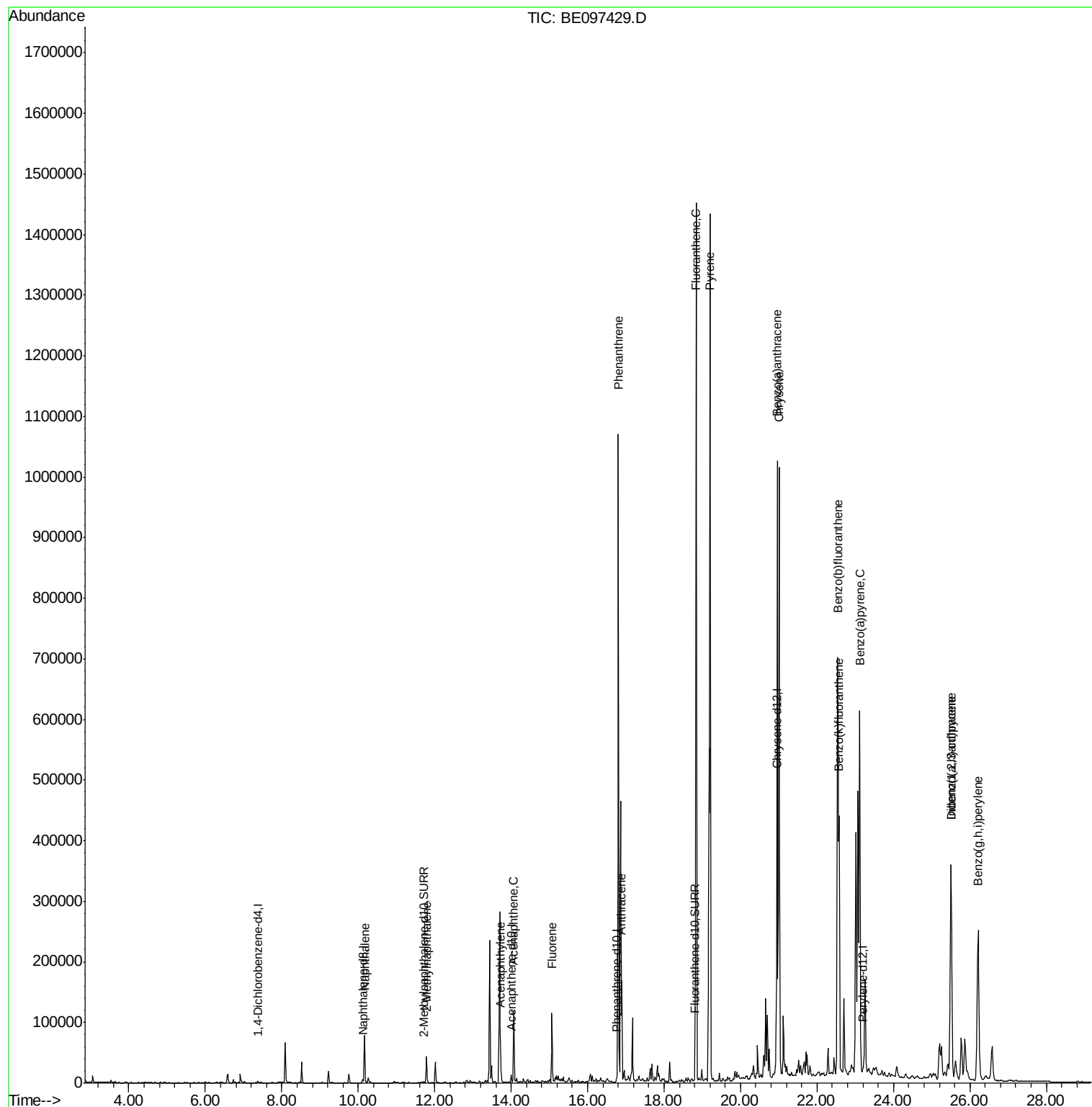
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE090718\
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ALS Vial : 14 Sample Multiplier: 1

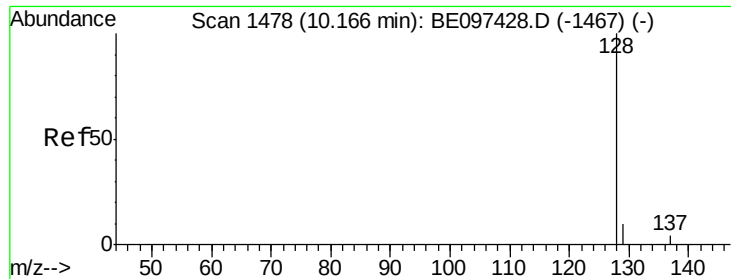
Instrument :
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A3Z22

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
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#3

Naphthalene

Concen: 8.374 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

ClientSampleId :

A3Z22

Tgt Ion:128 Resp: 116066

Ion Ratio Lower Upper

128 100

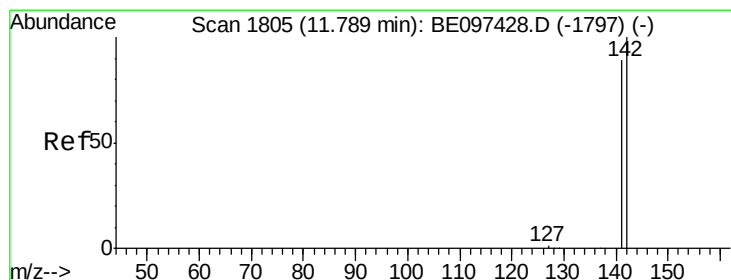
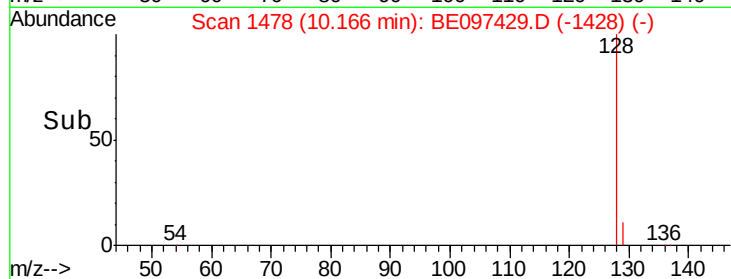
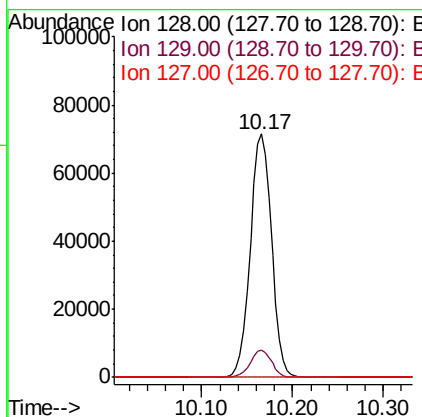
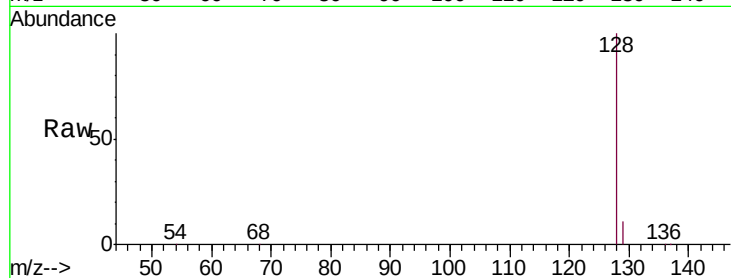
129 11.1 11.3 16.9#

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 4.189 ng/ul

RT: 11.79 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BE097429.D

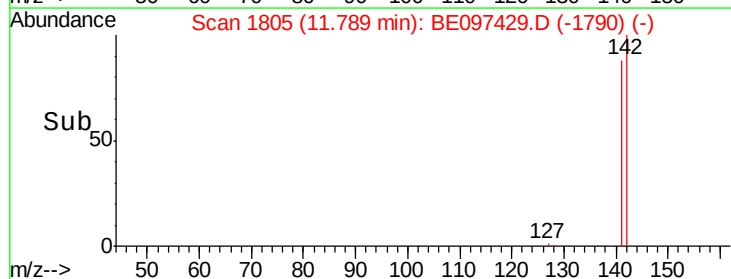
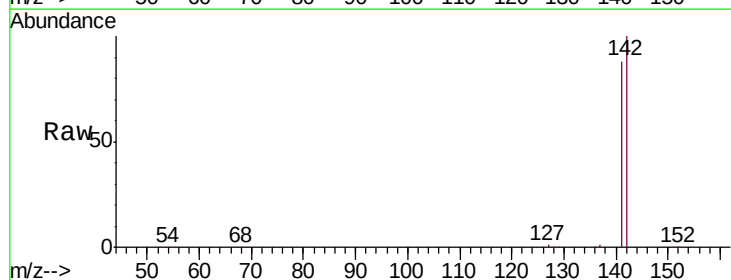
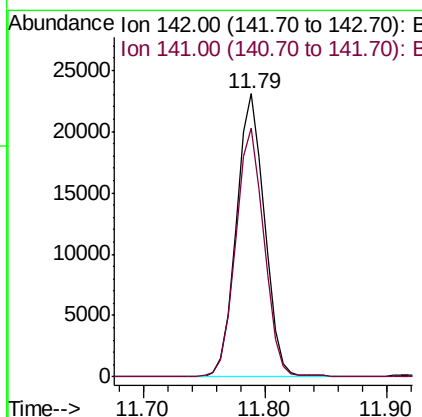
Acq: 7 Sep 2018 20:18

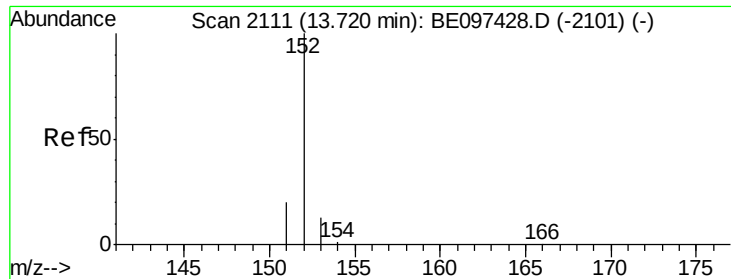
Tgt Ion:142 Resp: 36691

Ion Ratio Lower Upper

142 100

141 88.1 72.6 108.8





#7

Acenaphthylene

Concen: 2.812 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

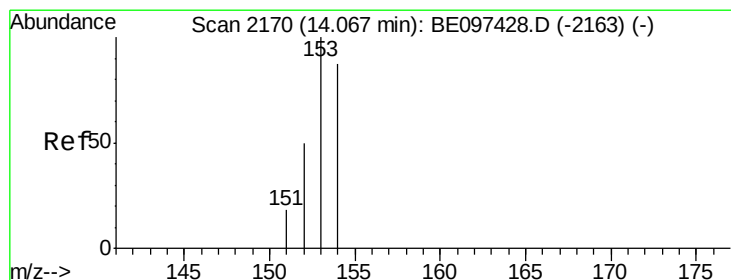
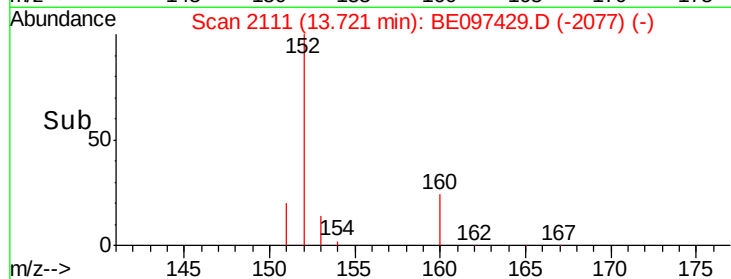
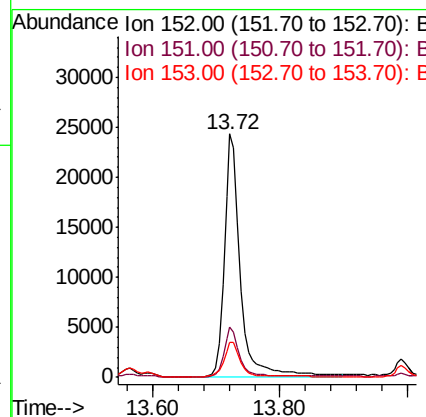
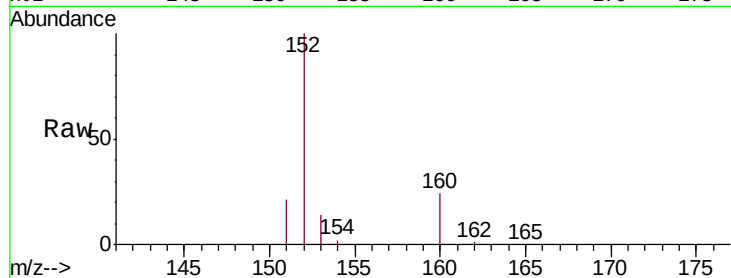
ClientSampleId :

A3Z22

Tgt Ion:	152	Resp:	43382
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.1	25.7
153	14.5	12.8	19.2

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#8

Acenaphthene

Concen: 5.126 ng/ul

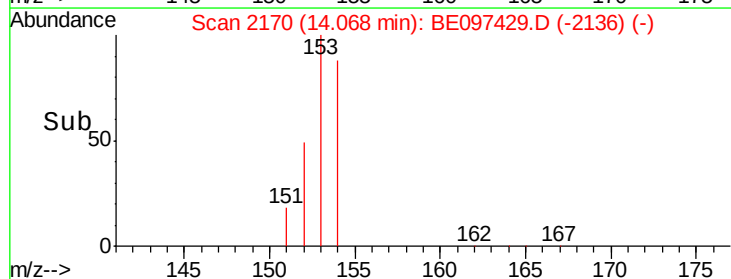
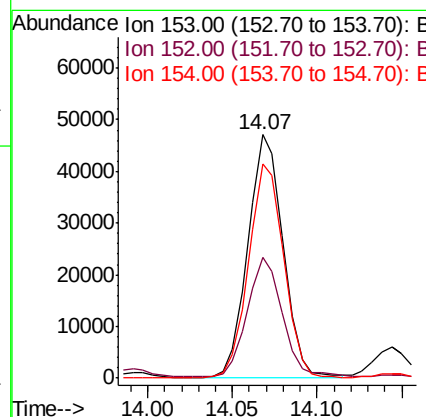
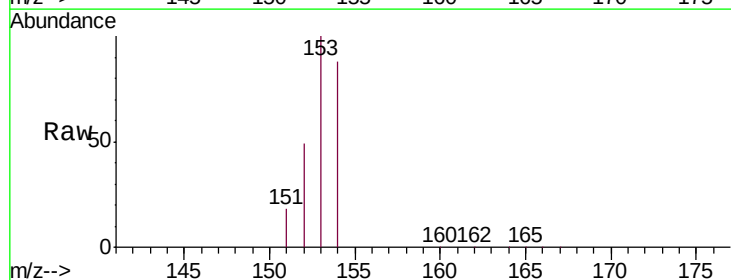
RT: 14.07 min Scan# 2170

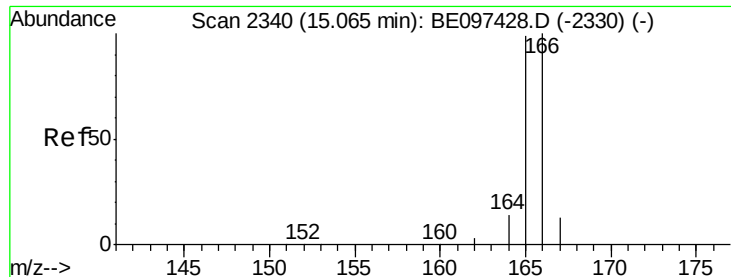
Delta R.T. 0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Tgt Ion:	153	Resp:	68019
Ion Ratio	Lower	Upper	
153	100		
152	49.4	36.0	54.0
154	87.9	72.0	108.0





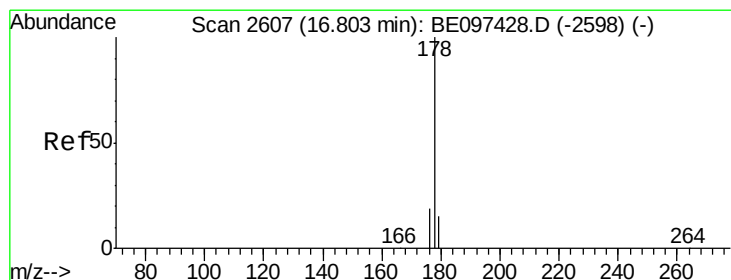
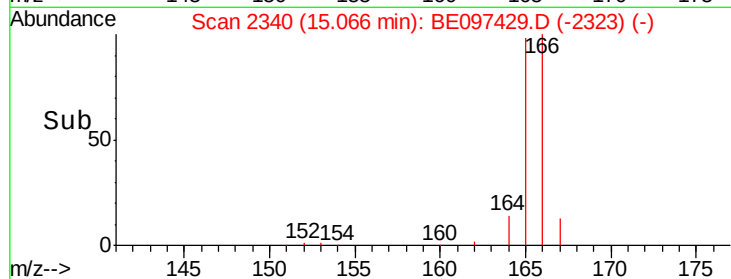
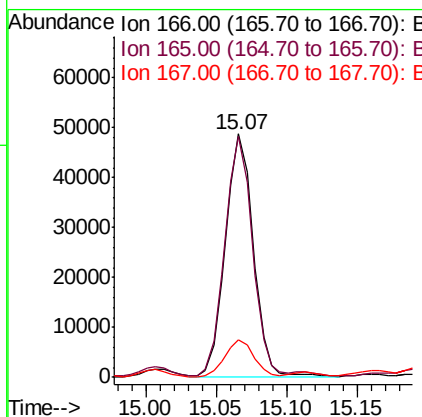
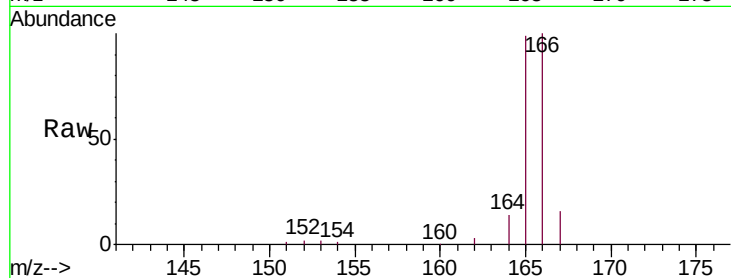
#9
Fluorene
 Concen: 4.391 ng/ul
 RT: 15.07 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: BE097429.D
 Acq: 7 Sep 2018 20:18

Instrument :
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 ClientSampleId :
 A3Z22

Tgt Ion:166 Resp: 66736
 Ion Ratio Lower Upper
 166 100
 165 99.1 73.4 110.2
 167 15.6 14.6 22.0

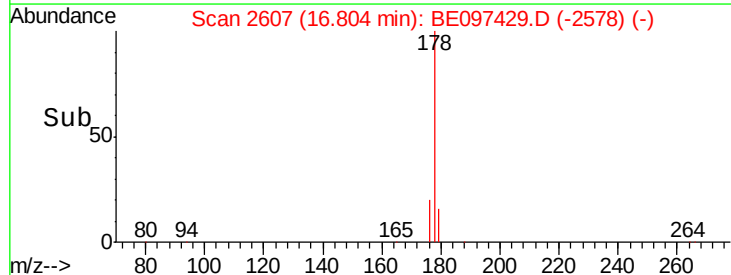
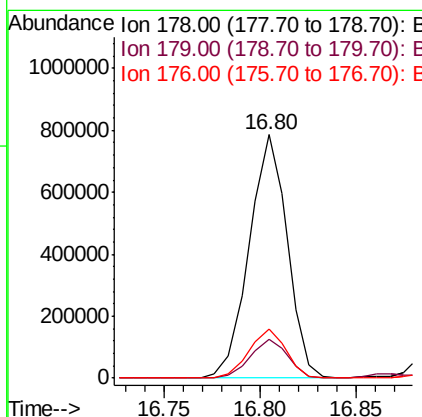
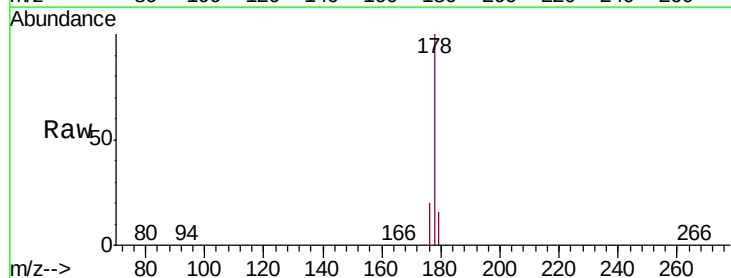
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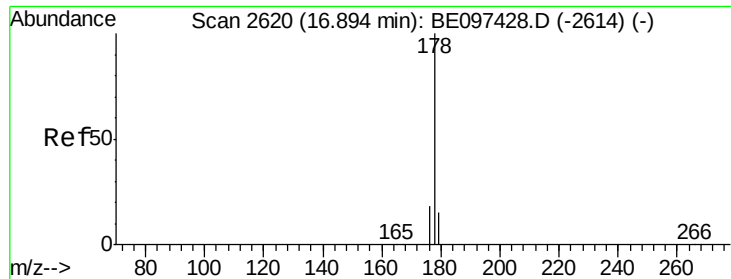
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#12
Phenanthrene
 Concen: 43.225 ng/ul m
 RT: 16.80 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: BE097429.D
 Acq: 7 Sep 2018 20:18

Tgt Ion:178 Resp: 1088438
 Ion Ratio Lower Upper
 178 100
 179 15.8 18.4 27.6#
 176 20.1 13.6 20.4





#13

Anthracene

Concen: 8.157 ng/ul m

RT: 16.90 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

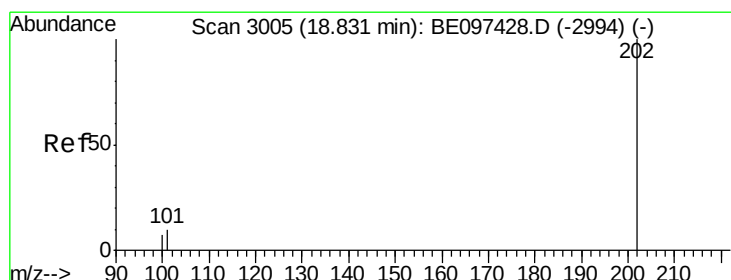
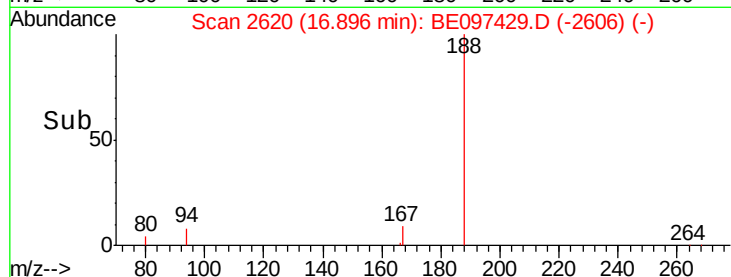
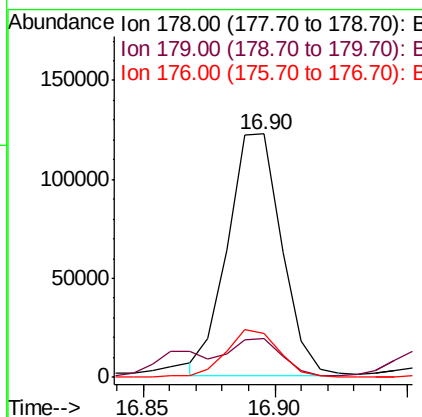
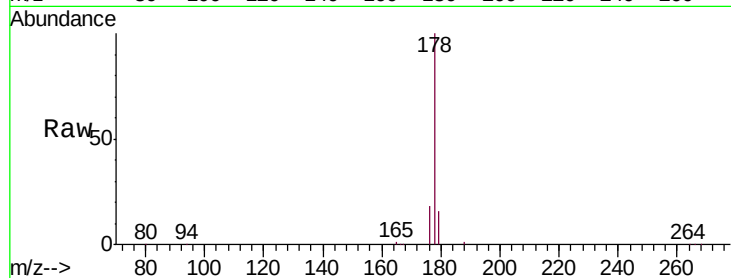
ClientSampleId :

A3Z22

Tgt Ion:178 Resp: 172696
 Ion Ratio Lower Upper
 178 100
 179 15.9 18.1 27.1#
 176 18.3 14.7 22.1

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#15

Fluoranthene

Concen: 52.557 ng/ul m

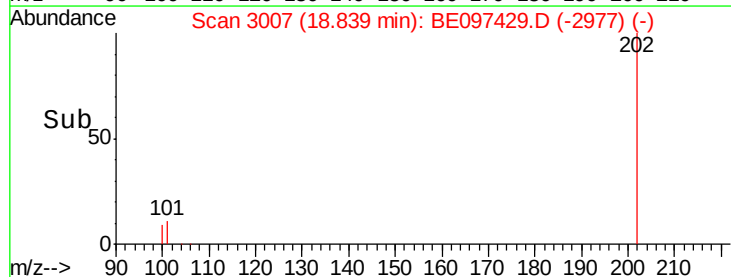
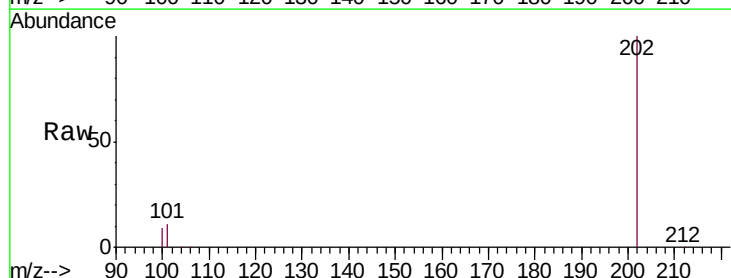
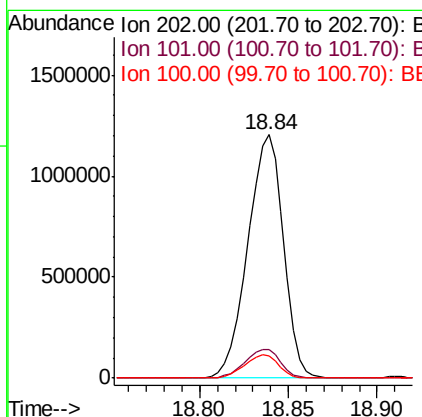
RT: 18.84 min Scan# 3007

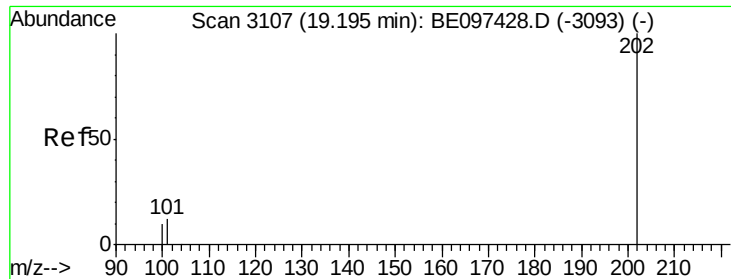
Delta R.T. 0.01 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Tgt Ion:202 Resp: 1700141
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.3
 100 8.9 0.0 39.5





#17

Pyrene

Concen: 51.428 ng/ul

RT: 19.20 min Scan# 3109

Delta R.T. 0.01 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

ClientSampleId :

A3Z22

Tgt Ion:202 Resp: 1523010

Ion Ratio Lower Upper

202 100

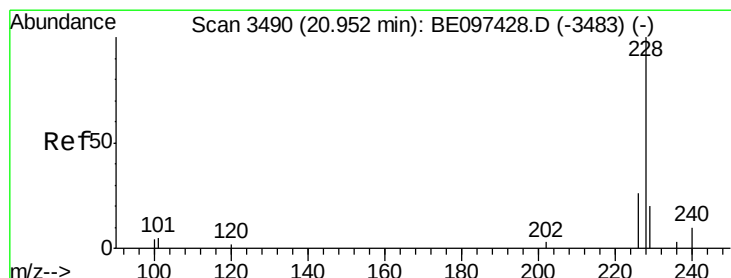
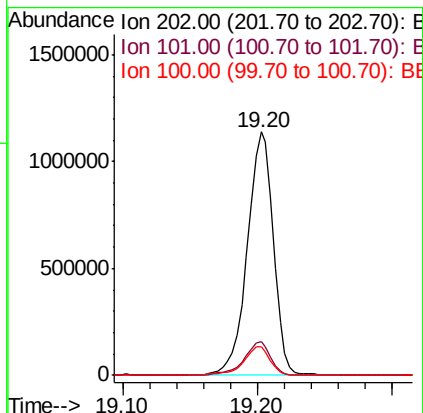
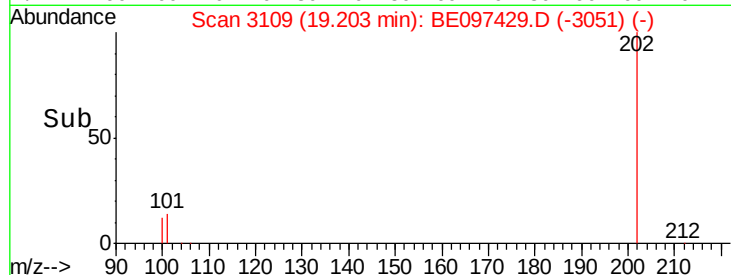
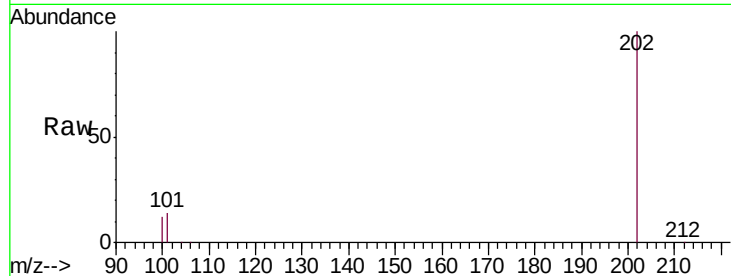
101 13.7 18.2 27.4#

100 11.8 15.6 23.4#

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#18

Benzo(a)anthracene

Concen: 28.807 ng/ul m

RT: 20.96 min Scan# 3491

Delta R.T. 0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

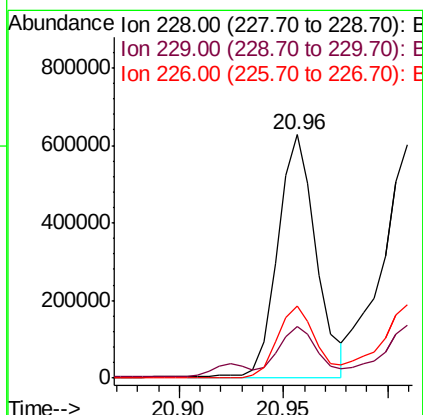
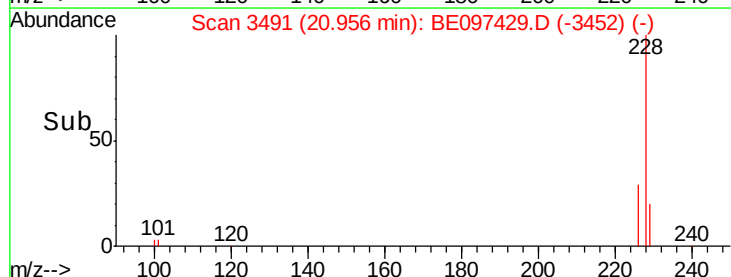
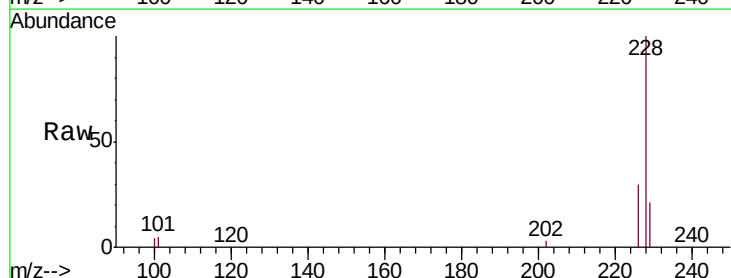
Tgt Ion:228 Resp: 814373

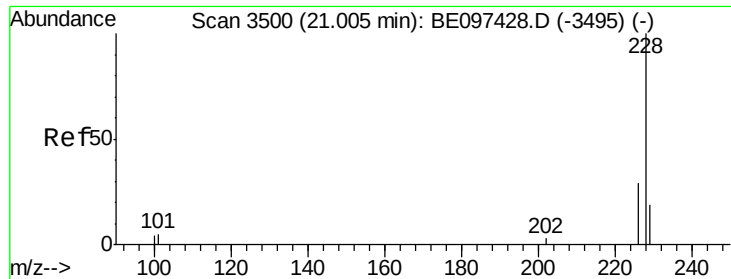
Ion Ratio Lower Upper

228 100

229 21.0 22.8 34.2#

226 29.5 17.0 25.6#





#19

Chrysene

Concen: 27.369 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. 0.00 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

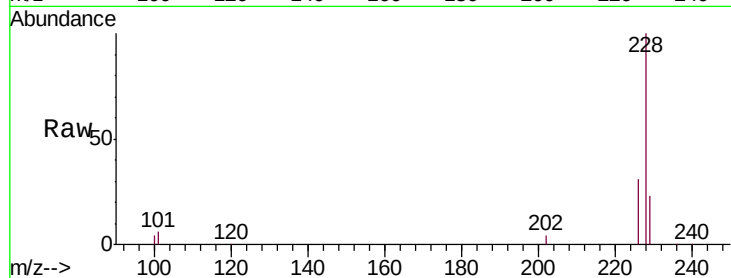
ClientSampleId :

A3Z22

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

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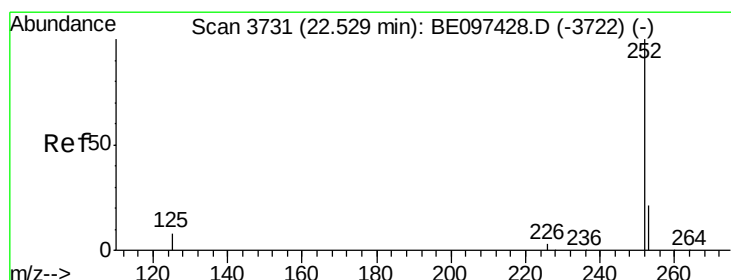
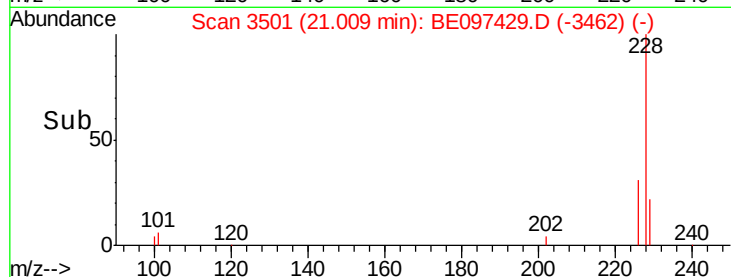
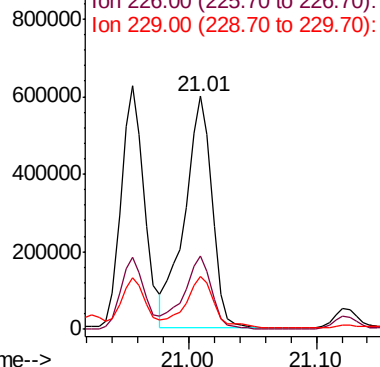


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 39.075 ng/ul m

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097429.D

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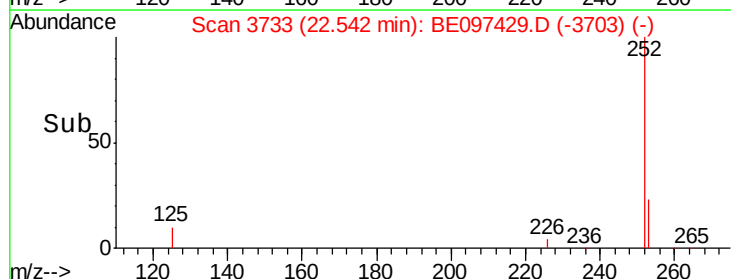
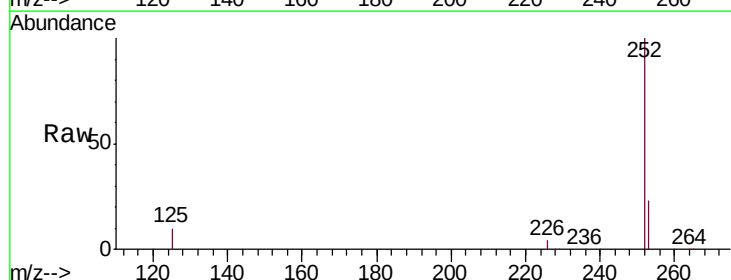
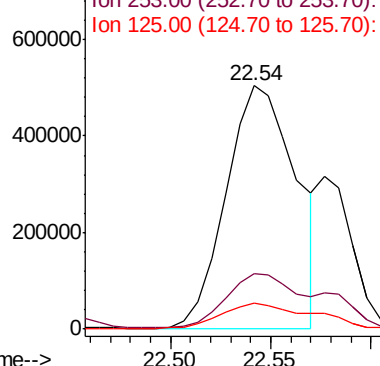
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	64.2
125	10.5	0.0	35.0

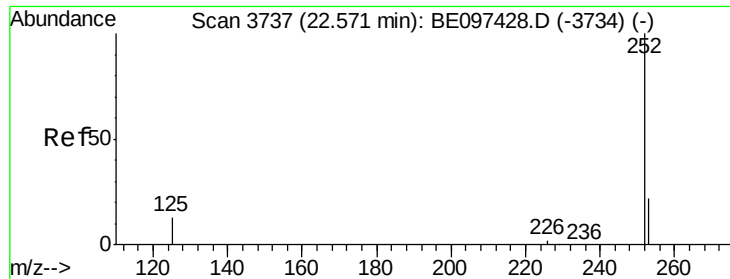
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 10.480 ng/ul m

RT: 22.58 min Scan# 3738

Delta R.T. 0.01 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

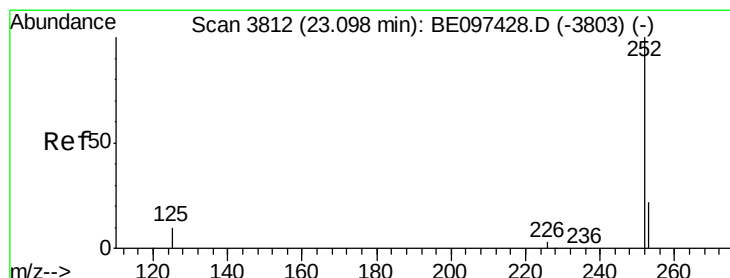
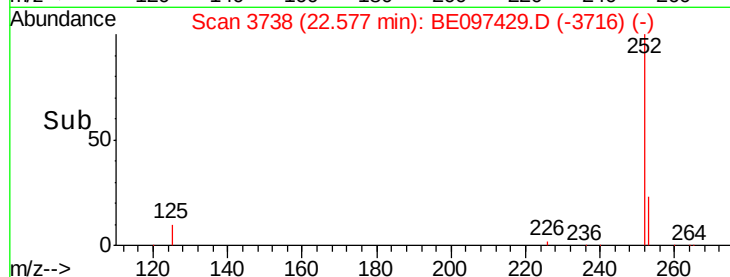
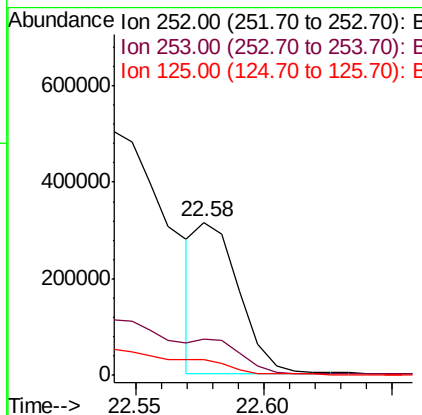
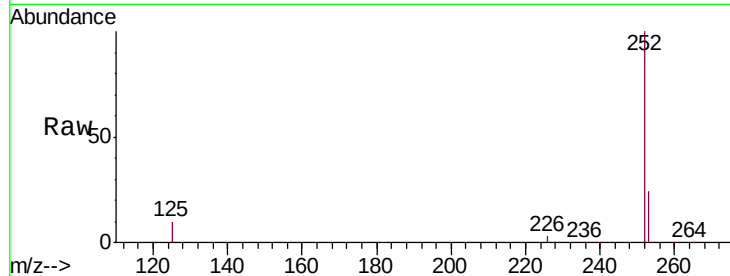
ClientSampleId :

A3Z22

Tgt Ion:	252	Resp:	367164
Ion Ratio	Lower	Upper	
252	100		
253	23.8	24.5	36.7#
125	10.3	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 26.821 ng/ul m

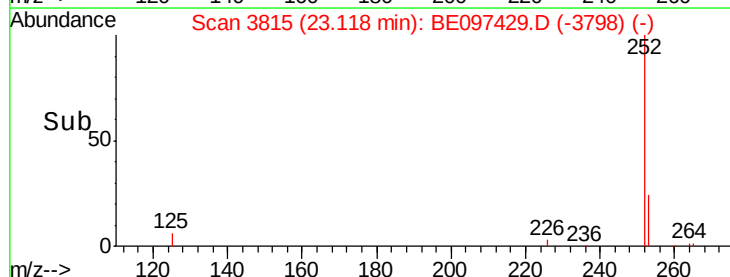
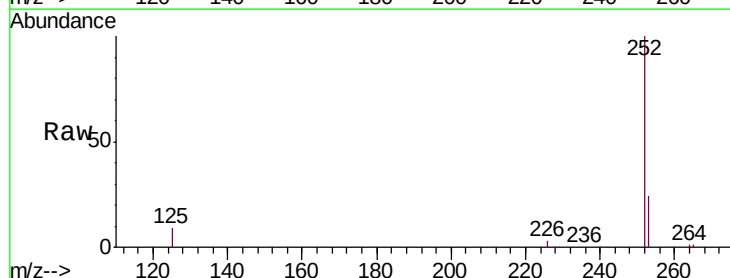
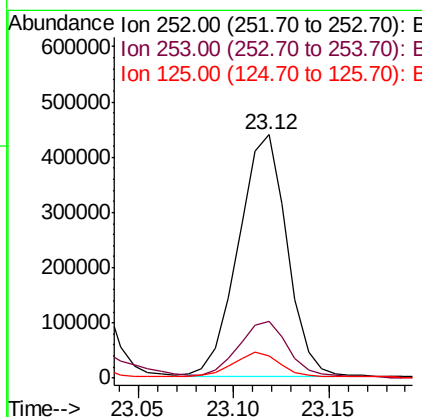
RT: 23.12 min Scan# 3815

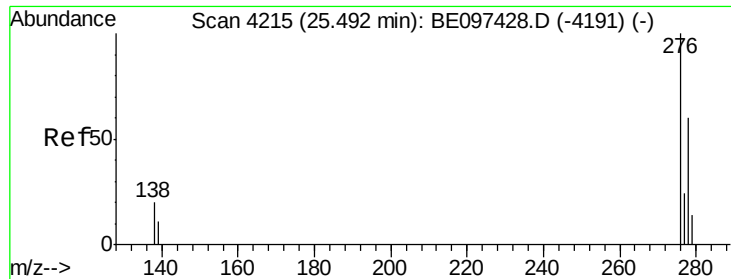
Delta R.T. 0.02 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Tgt Ion:	252	Resp:	779583
Ion Ratio	Lower	Upper	
252	100		
253	23.6	28.5	42.7#
125	9.3	18.1	27.1#





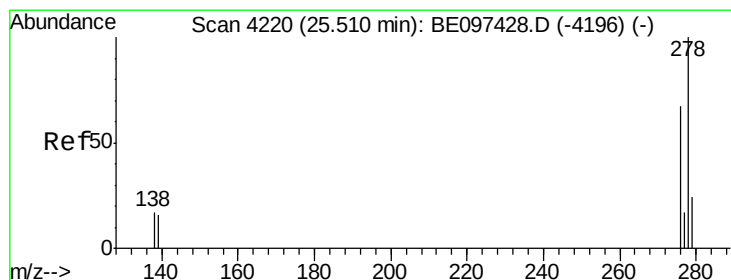
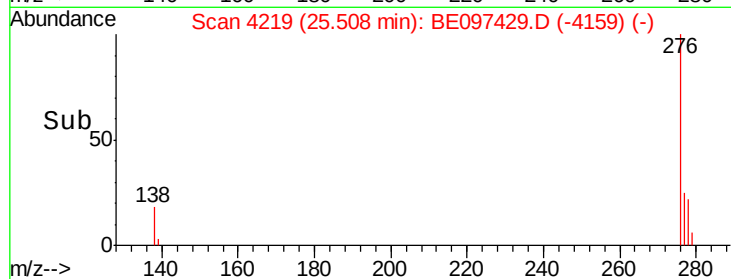
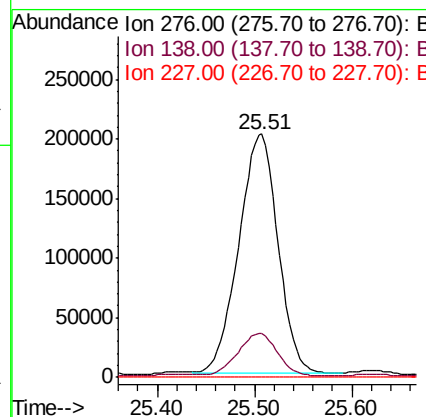
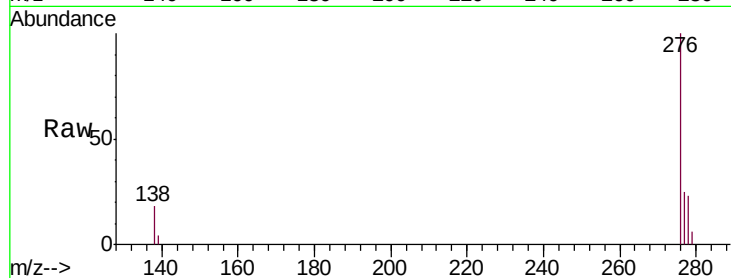
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 14.892 ng/ul
 RT: 25.51 min Scan# 4219
 Delta R.T. 0.02 min
 Lab File: BE097429.D
 Acq: 7 Sep 2018 20:18

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	561019		
138	18.2	28.0	42.0#	
227	0.0	8.0	12.0#	

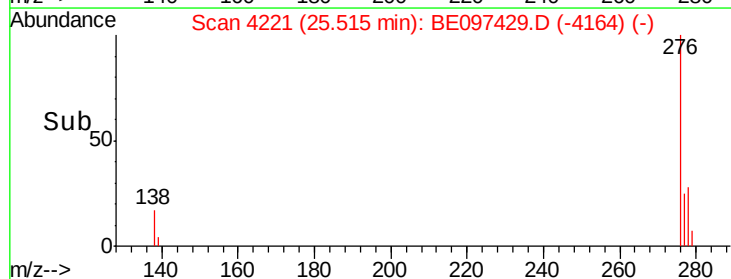
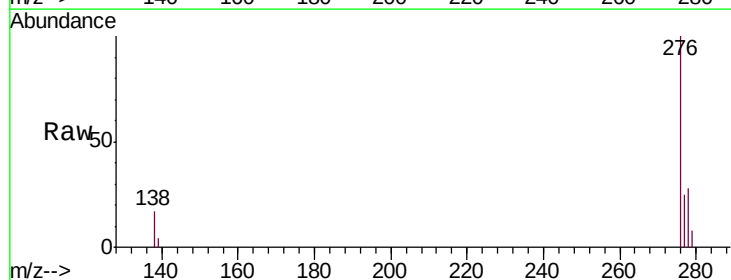
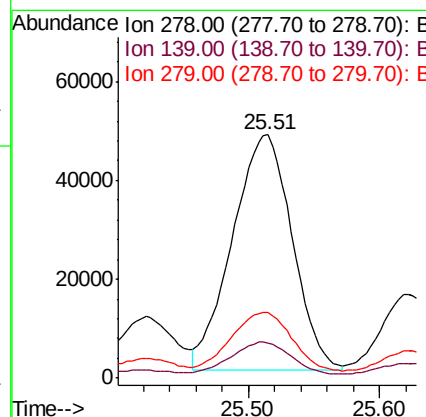
Manual Integrations
 APPROVED

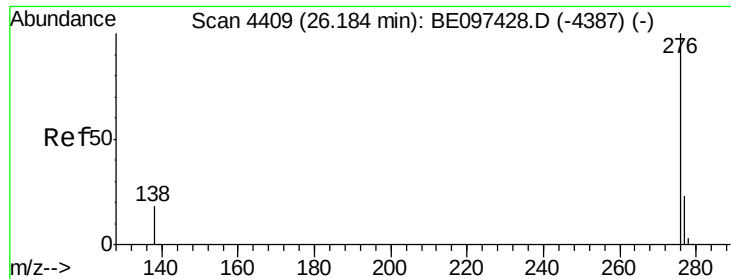
Sohil
 9/11/2018 2:43:12 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.690 ng/ul m
 RT: 25.51 min Scan# 4221
 Delta R.T. 0.01 min
 Lab File: BE097429.D
 Acq: 7 Sep 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	149705		
139	14.6	17.4	26.0#	
279	27.0	25.9	38.9	





#26

Benzo(g,h,i)perylene

Concen: 16.847 ng/ul

RT: 26.21 min Scan# 4417

Delta R.T. 0.03 min

Lab File: BE097429.D

Acq: 7 Sep 2018 20:18

Instrument :

BNA_E

ClientSampleId :

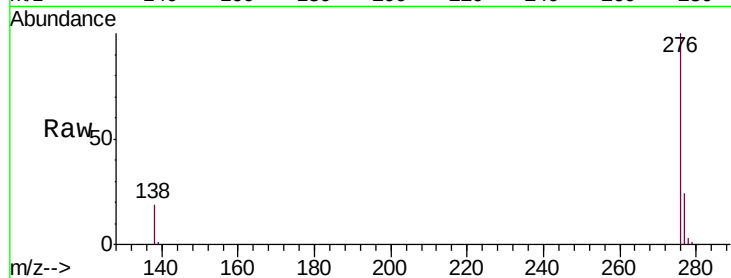
A3Z22

Tgt	Ion	276	Resp:	541080
Ion	Ratio	Lower	Upper	
276	100			
138	18.7	21.8	32.8#	
277	24.2	20.5	30.7	

Manual Integrations
APPROVED

Sohil

9/11/2018 2:43:12 PM



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

