

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
 Data File : BE093187.D
 Acq On : 15 Jun 2017 1:55
 Operator : SJ/MA
 Sample : I3522-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5D30

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:53:52 PM

Quant Time: Jun 15 04:44:26 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 03:59:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3455	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	17586	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	10454	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	24813	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	28810	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	23939m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4835	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	13623	0.20	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	8785	0.201	ng/ul#	94
5) 2-Methylnaphthalene	12.19	142	2172	0.073	ng/ul	99
7) Acenaphthylene	14.09	152	172155	3.837	ng/ul	96
8) Acenaphthene	14.43	153	3687	0.102	ng/ul	96
9) Fluorene	15.42	166	5286	0.125	ng/ul	91
12) Phenanthrene	17.14	178	112227	1.644	ng/ul#	83
13) Anthracene	17.22	178	212270	3.571	ng/ul#	86
15) Fluoranthene	19.16	202	2166465	25.876	ng/ul	84
17) Pyrene	19.52	202	2392993	28.165	ng/ul#	87
18) Benzo(a)anthracene	21.25	228	1209132	15.734	ng/ul#	84
19) Chrysene	21.30	228	1611736	20.218	ng/ul	98
21) Benzo(b)fluoranthene	22.95	252	2552232	35.131	ng/ul	88
22) Benzo(k)fluoranthene	22.99	252	846058m	10.965	ng/ul	
23) Benzo(a)pyrene	23.57	252	1160450m	16.894	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	713063m	8.965	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	194744m	2.907	ng/ul	
26) Benzo(g,h,i)perylene	26.97	276	516456	7.572	ng/ul	97

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

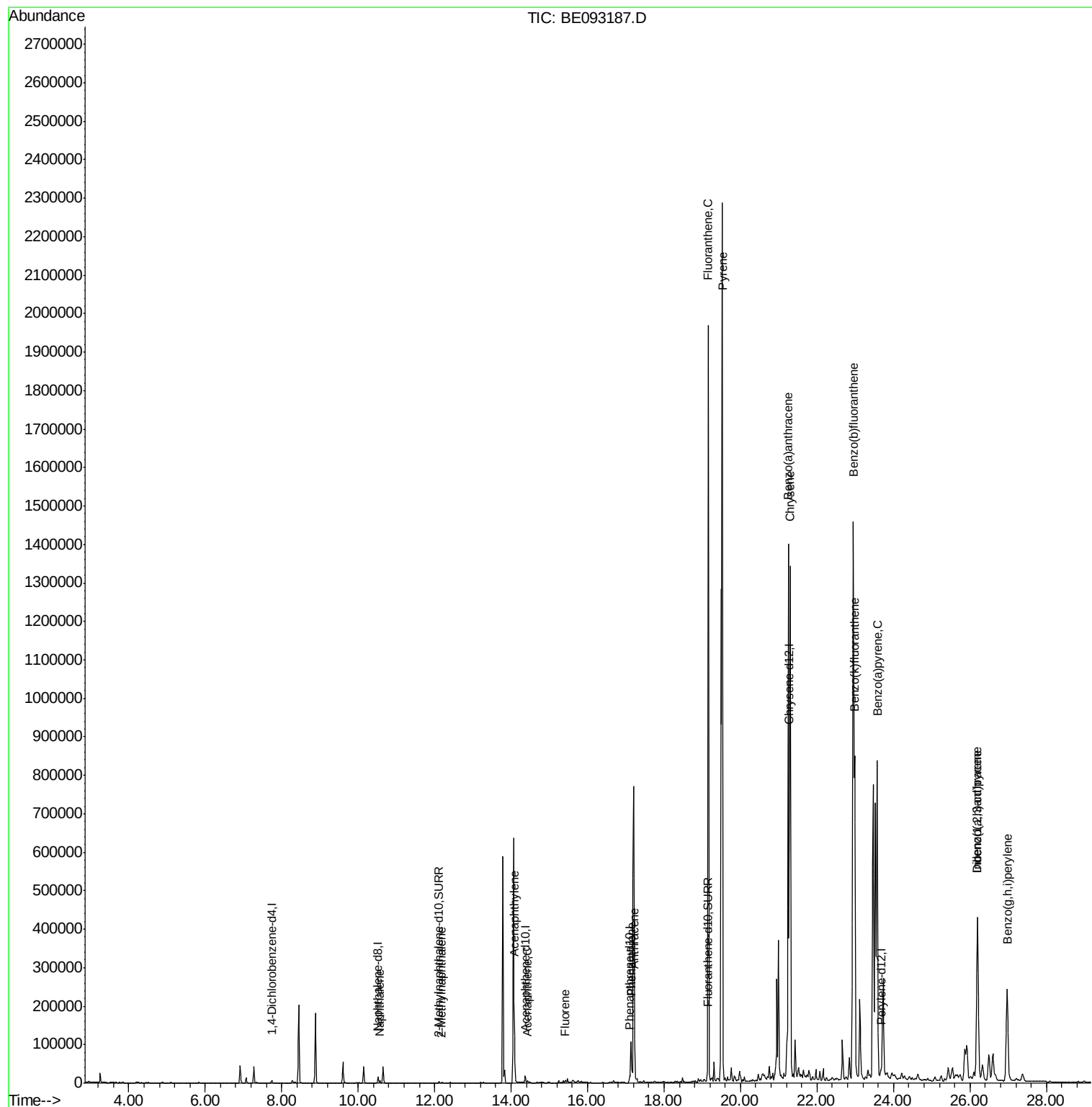
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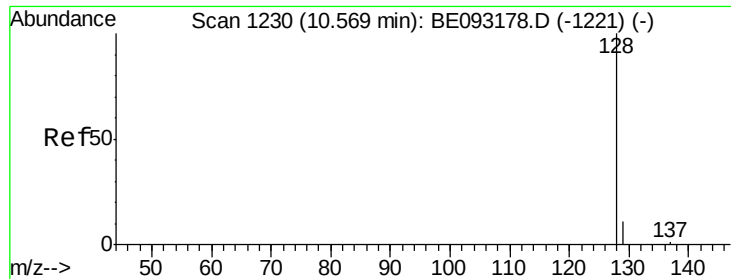
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#3

Naphthalene

Concen: 0.201 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

ClientSampleId :

F5D30

Tgt Ion:128 Resp: 8785

Ion Ratio Lower Upper

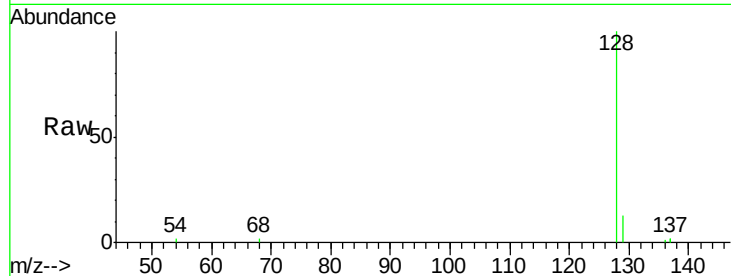
128 100

129 12.7 11.3 16.9

127 0.0 4.0 6.0#

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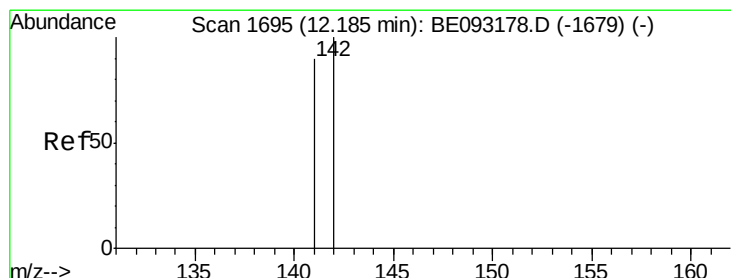
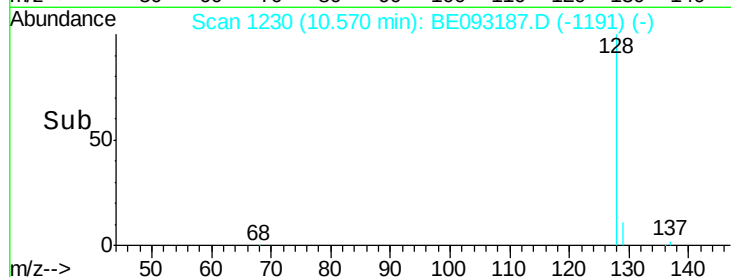
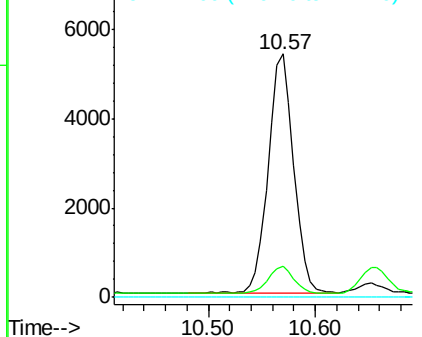
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.073 ng/ul

RT: 12.19 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BE093187.D

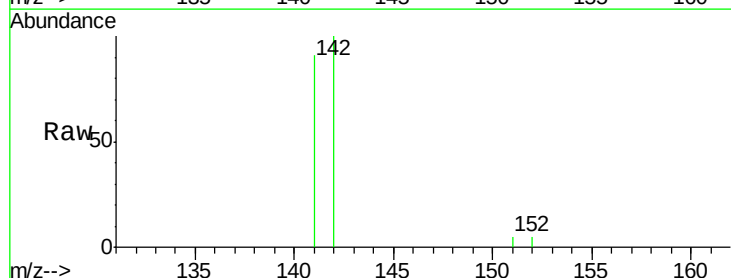
Acq: 15 Jun 2017 1:55

Tgt Ion:142 Resp: 2172

Ion Ratio Lower Upper

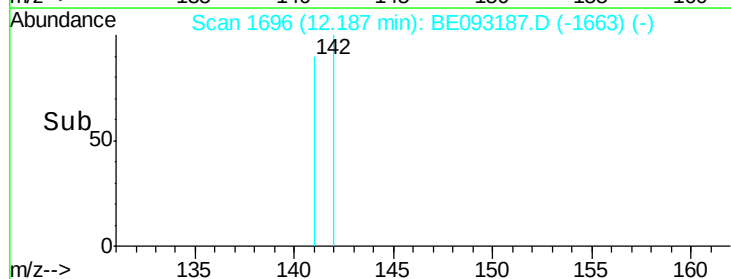
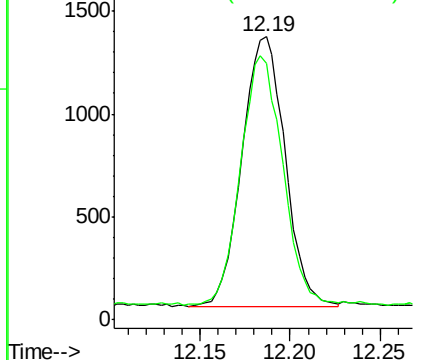
142 100

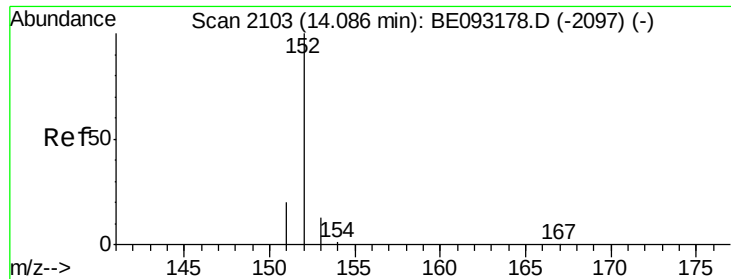
141 89.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.837 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

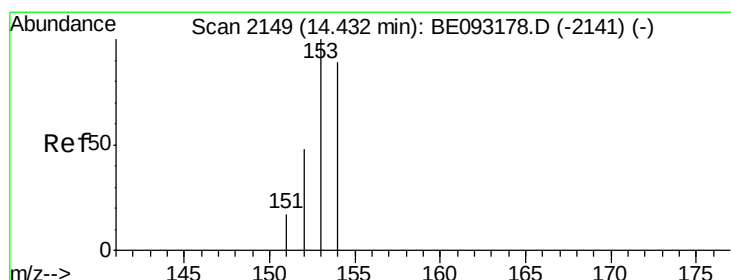
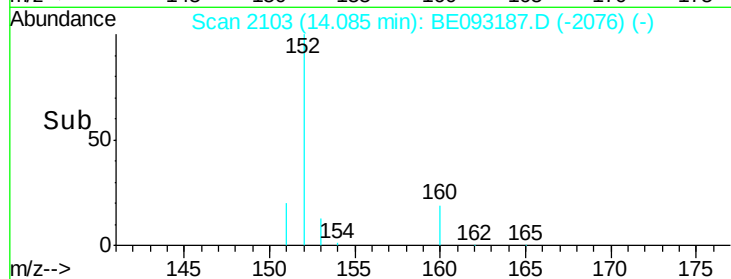
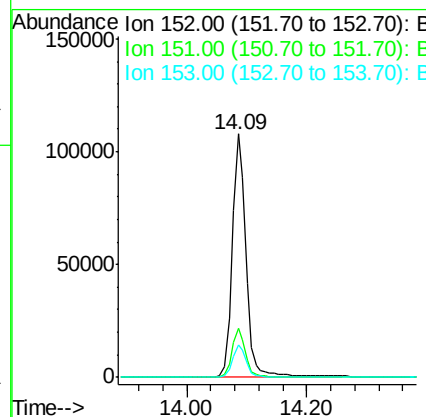
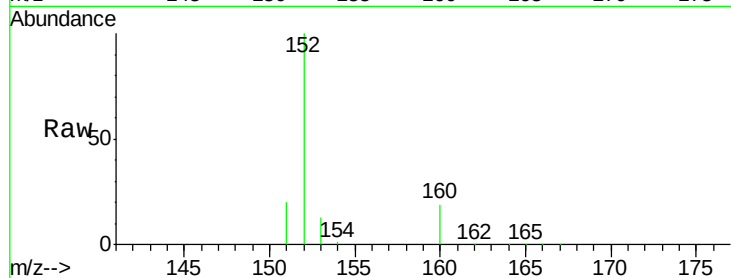
ClientSampleId :

F5D30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	172155		
151	20.4		17.1	25.7
153	13.2		12.8	19.2

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#8

Acenaphthene

Concen: 0.102 ng/ul

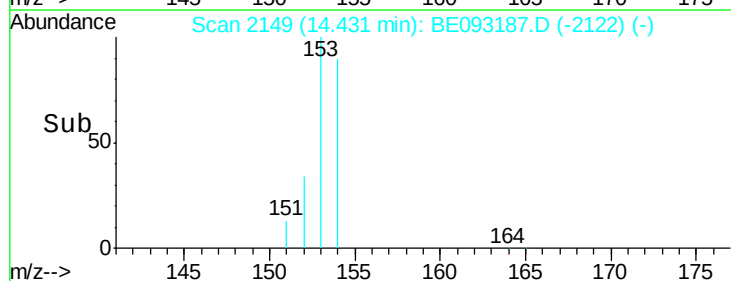
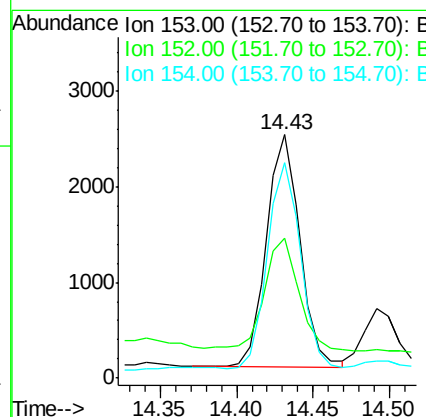
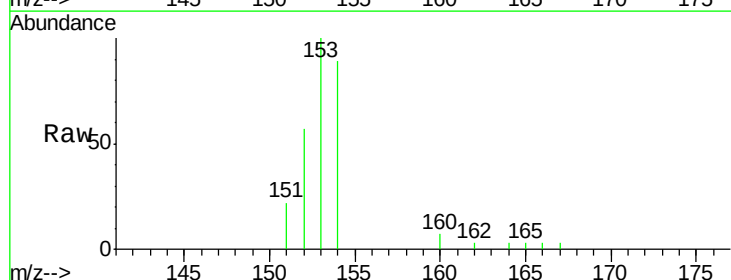
RT: 14.43 min Scan# 2149

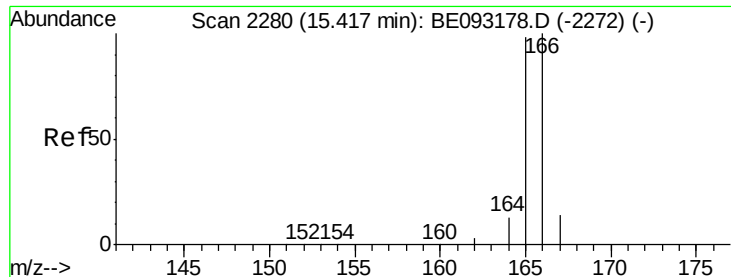
Delta R.T. -0.00 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	3687		
152	57.4		40.3	60.5
154	88.7		71.4	107.2





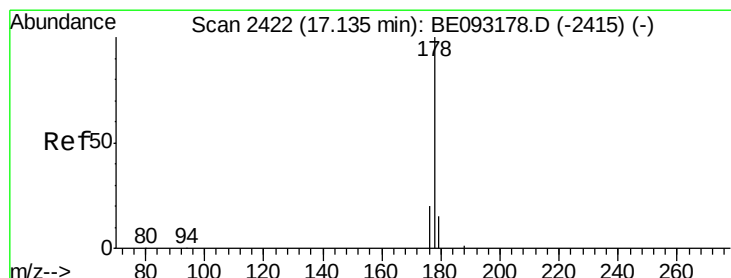
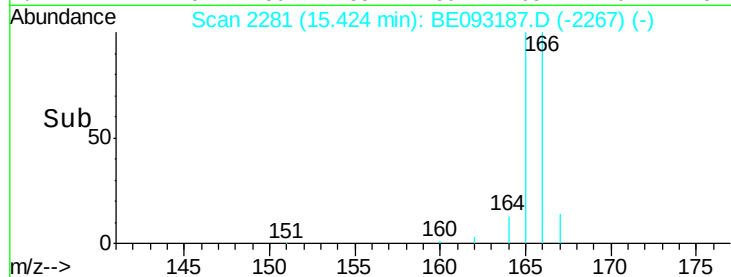
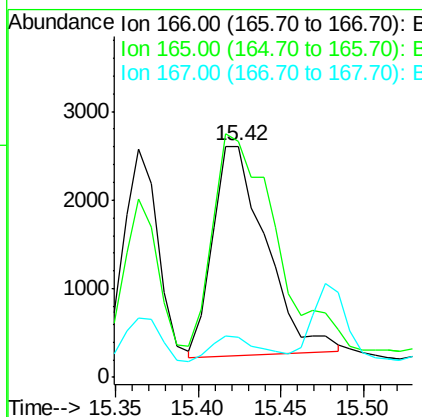
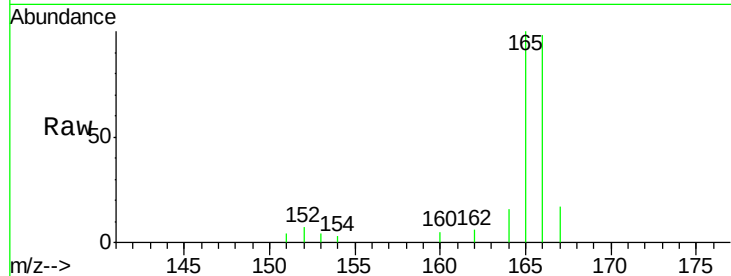
#9
Fluorene
 Concen: 0.125 ng/ul
 RT: 15.42 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Instrument :
 BNA_E
 ClientSampleId :
 F5D30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	73.4	110.2
167	17.5	14.6	22.0

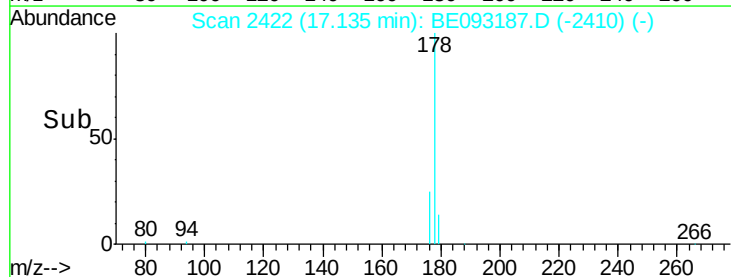
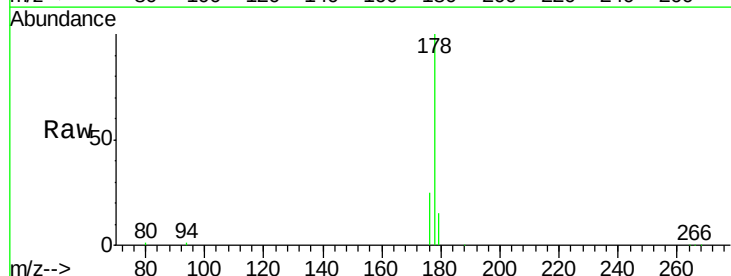
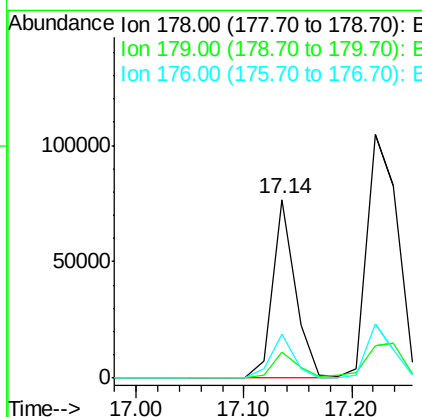
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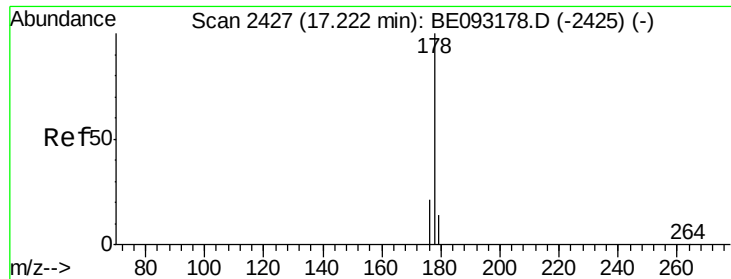
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#12
Phenanthrene
 Concen: 1.644 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	18.4	27.6#
176	24.6	13.6	20.4#





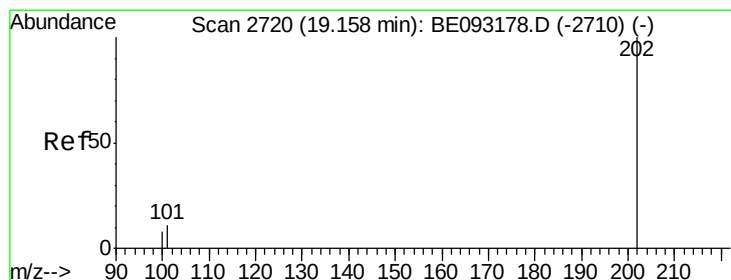
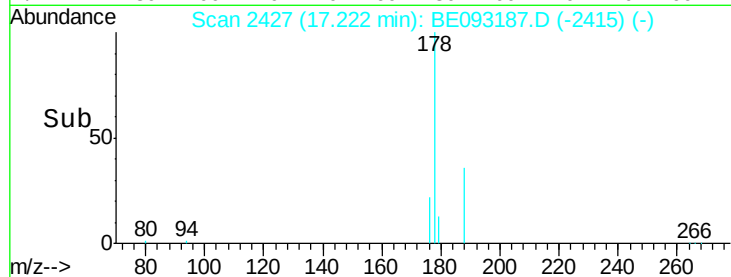
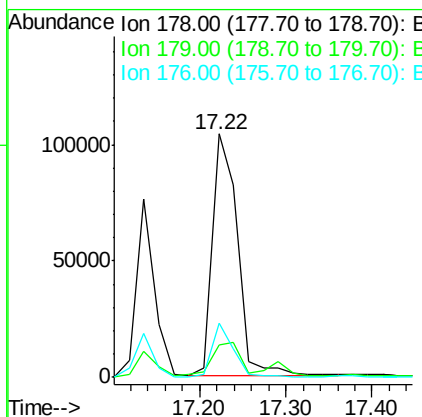
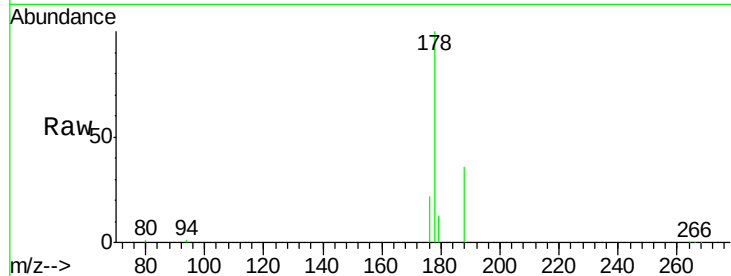
#13
 Anthracene
 Concen: 3.571 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Instrument :
 BNA_E
 ClientSampled :
 F5D30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.3	18.1	27.1#
176	22.1	14.7	22.1#

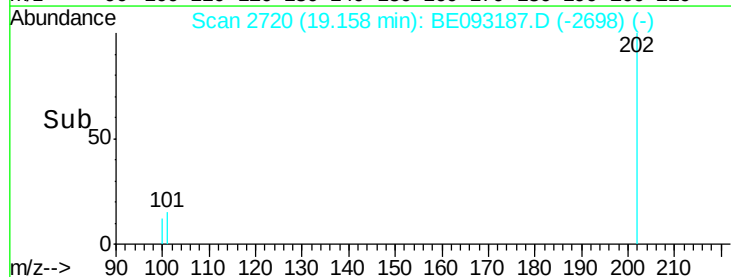
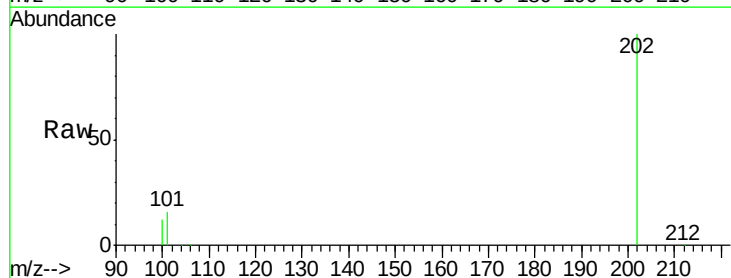
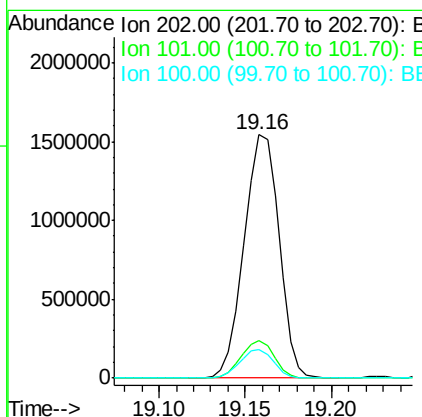
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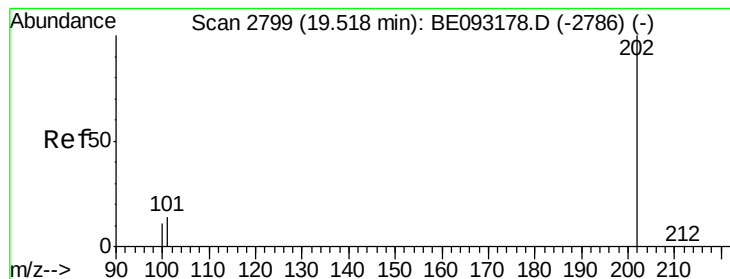
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#15
 Fluoranthene
 Concen: 25.876 ng/ul
 RT: 19.16 min Scan# 2720
 Delta R.T. 0.00 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	30.3
100	11.9	0.0	39.5





#17

Pyrene

Concen: 28.165 ng/ul

RT: 19.52 min Scan# 2800

Delta R.T. 0.01 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

ClientSampleId :

F5D30

Tgt Ion:202 Resp: 2392993

Ion Ratio Lower Upper

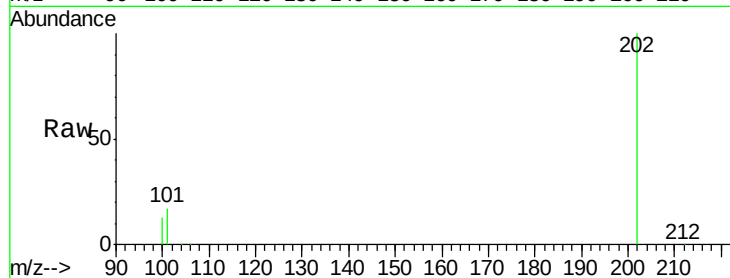
202 100

101 16.8 18.2 27.4#

100 13.3 15.6 23.4#

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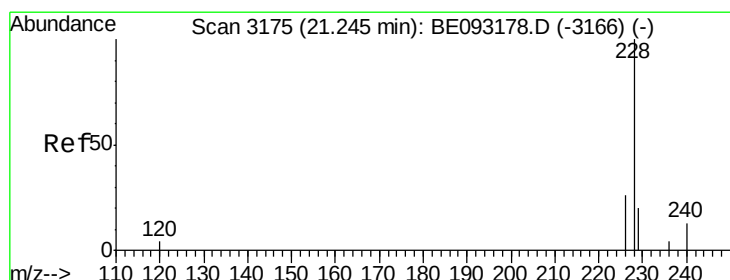
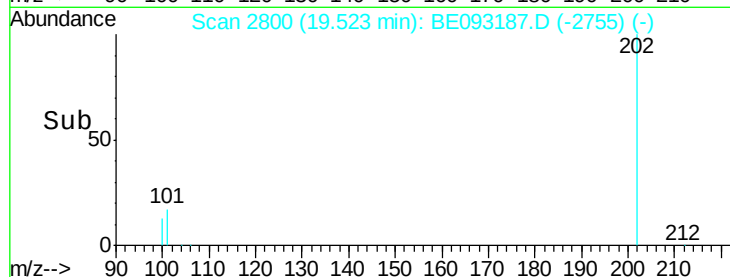
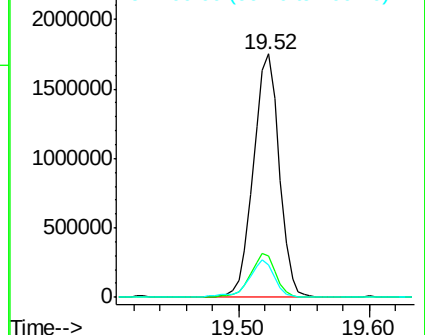
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 15.734 ng/ul

RT: 21.25 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

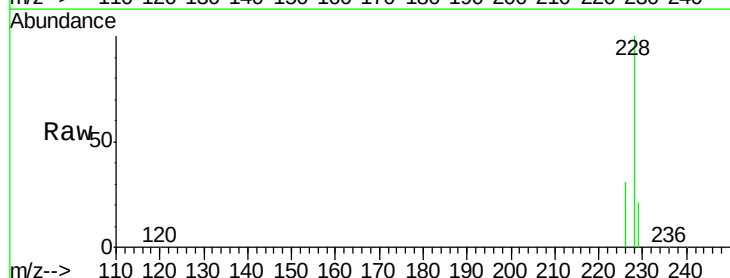
Tgt Ion:228 Resp: 1209132

Ion Ratio Lower Upper

228 100

229 21.4 22.8 34.2#

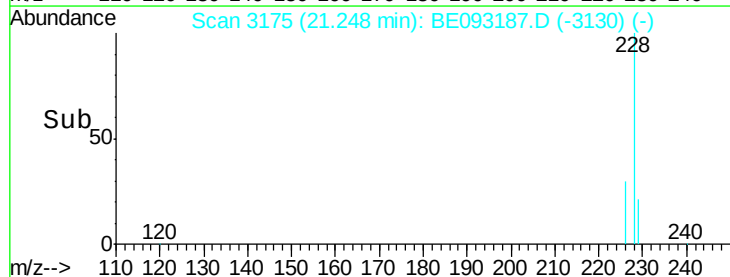
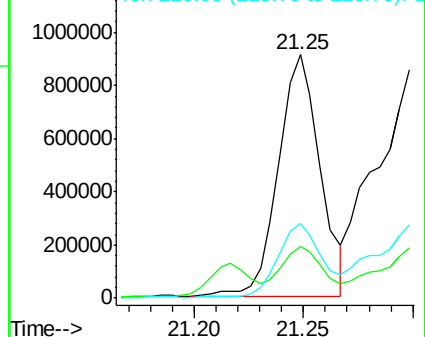
226 30.8 17.0 25.6#

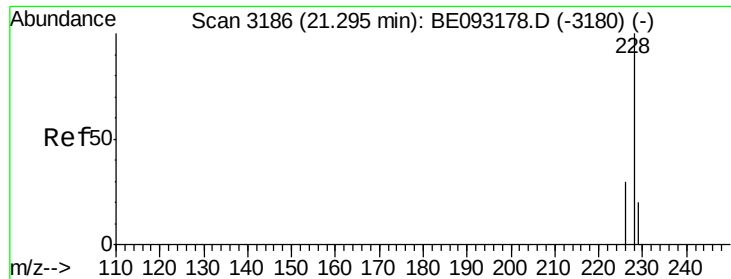


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 20.218 ng/ul

RT: 21.30 min Scan# 3187

Delta R.T. 0.01 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

ClientSampleId :

F5D30

Tgt Ion:228 Resp: 1611736

Ion Ratio Lower Upper

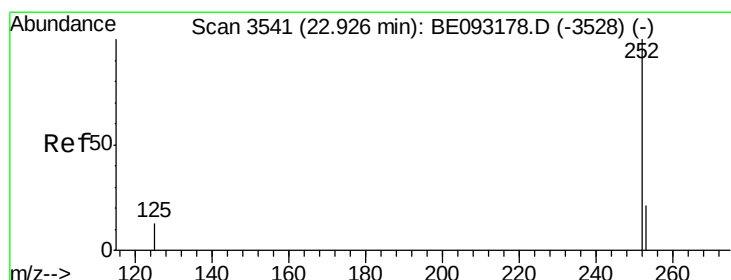
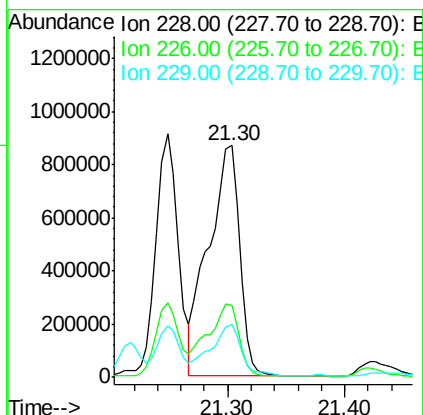
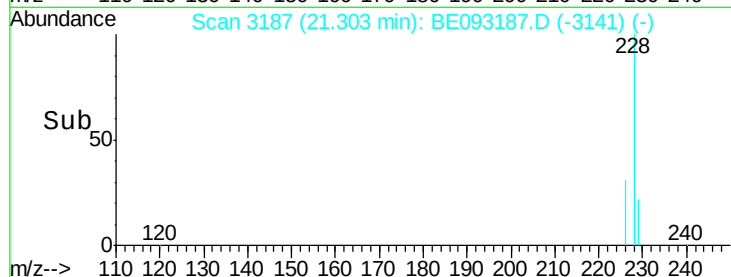
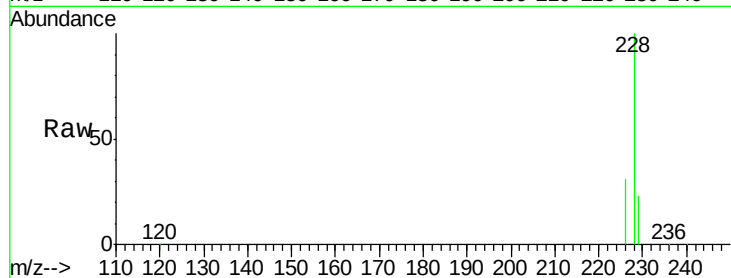
228 100

226 30.9 23.4 35.0

229 22.8 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 35.131 ng/ul

RT: 22.95 min Scan# 3545

Delta R.T. 0.02 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

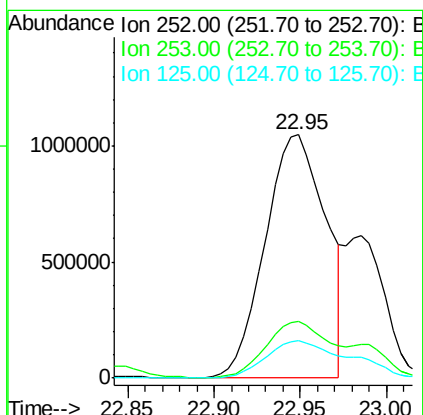
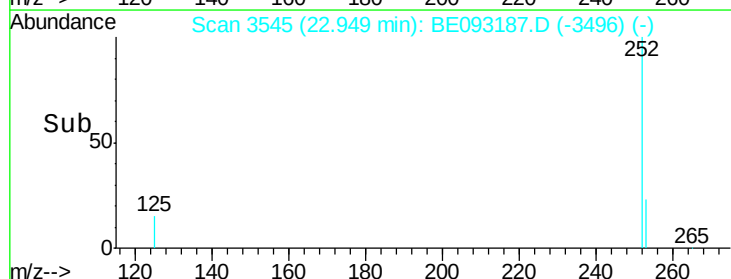
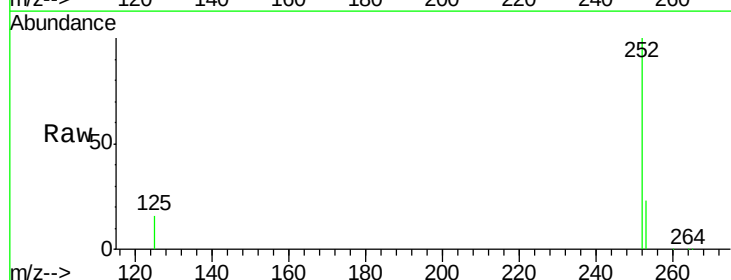
Tgt Ion:252 Resp: 2552232

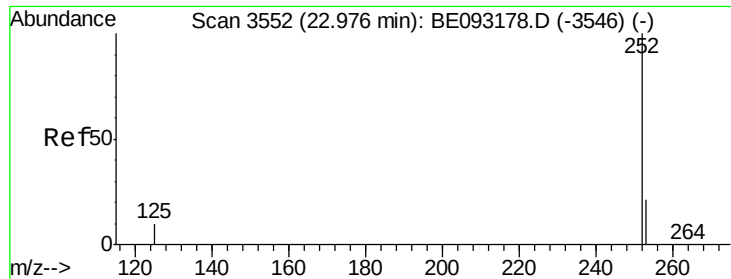
Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

125 15.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 10.965 ng/ul m

RT: 22.99 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

ClientSampleId :

F5D30

Tgt Ion: 252 Resp: 846058
Ion Ratio Lower Upper

252 100

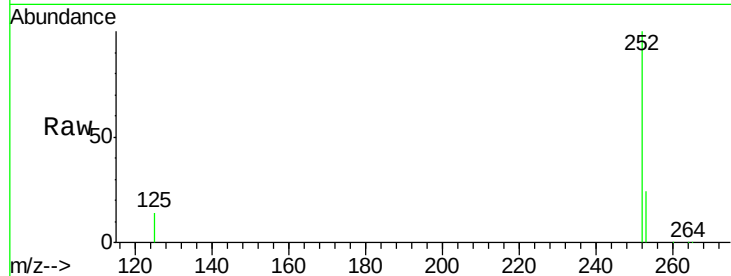
253 23.8 24.5 36.7#

125 14.2 13.7 20.5

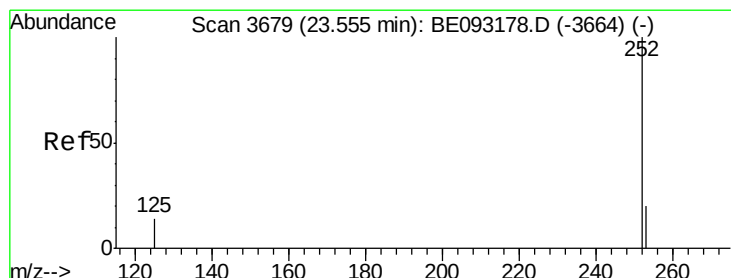
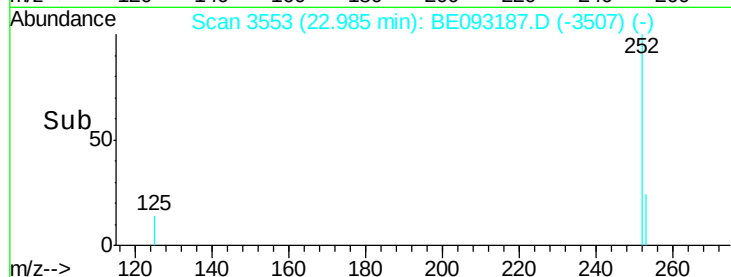
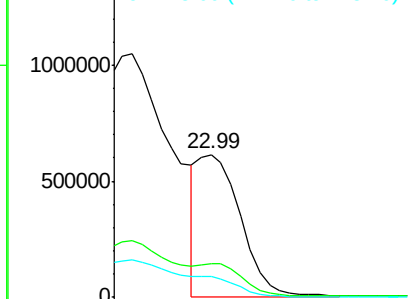
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 16.894 ng/ul m

RT: 23.57 min Scan# 3682

Delta R.T. 0.02 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

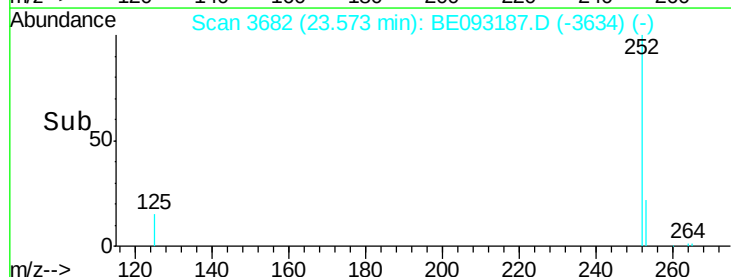
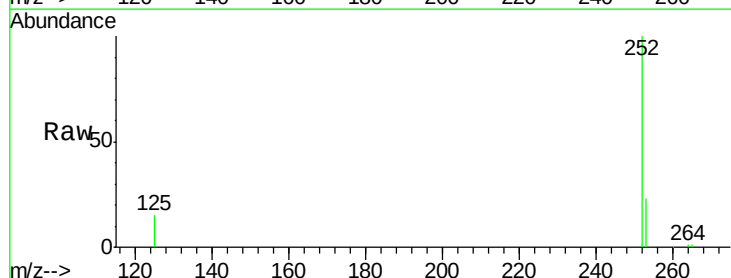
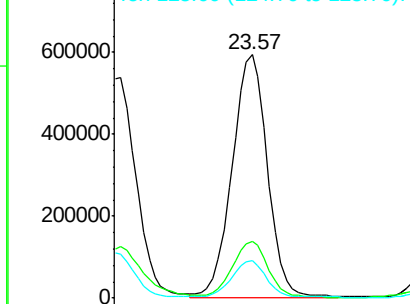
Tgt Ion: 252 Resp: 1160450
Ion Ratio Lower Upper

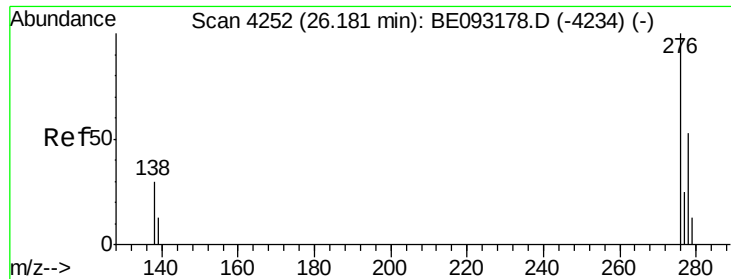
252 100

253 23.3 28.5 42.7#

125 15.3 18.1 27.1#

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





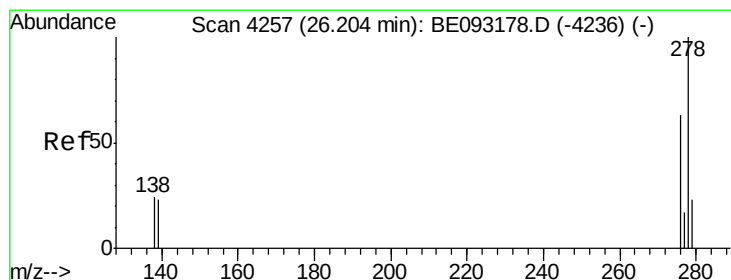
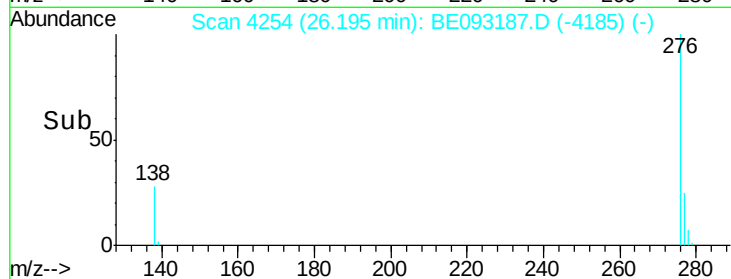
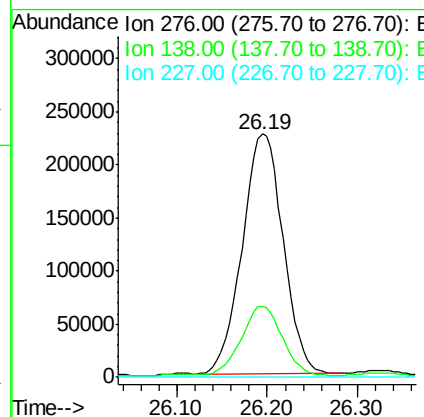
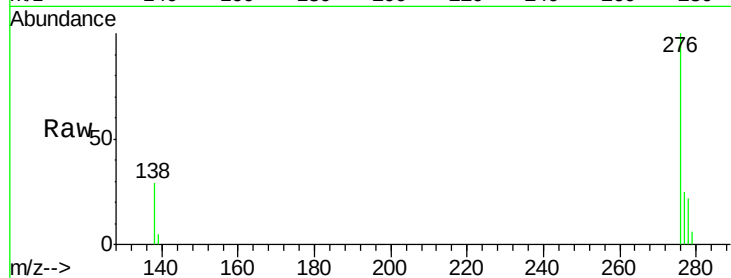
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 8.965 ng/ul m
 RT: 26.19 min Scan# 4254
 Delta R.T. 0.01 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Instrument :
 BNA_E
 ClientSampleId :
 F5D30

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	3.1	28.0	42.0#
227	0.0	8.0	12.0#

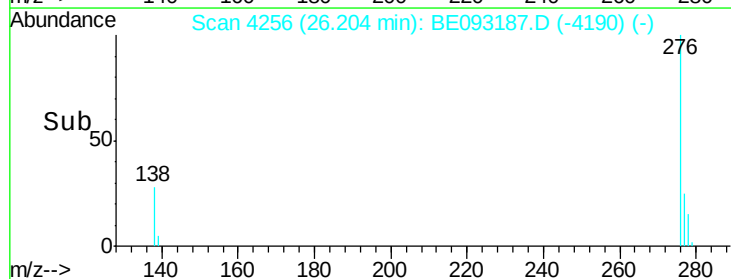
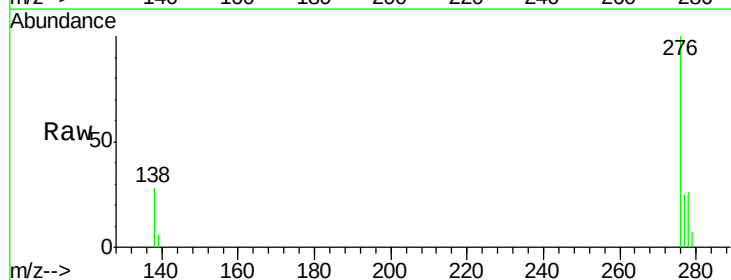
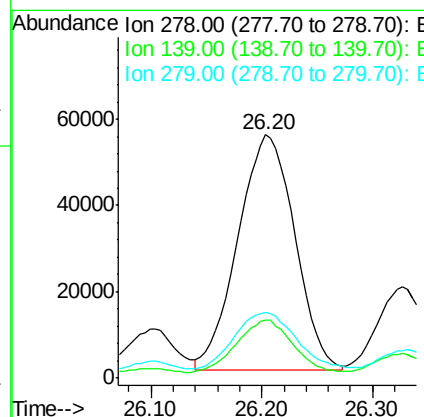
Manual Integrations
 APPROVED

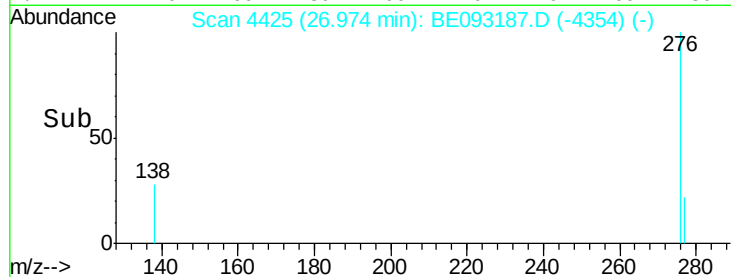
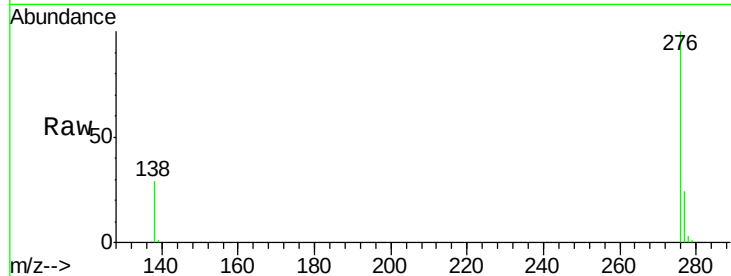
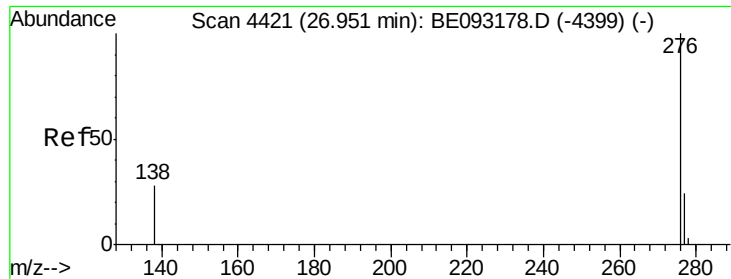
mohammad
 6/15/2017 3:53:52 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.907 ng/ul m
 RT: 26.20 min Scan# 4256
 Delta R.T. 0.00 min
 Lab File: BE093187.D
 Acq: 15 Jun 2017 1:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	23.6	17.4	26.0
279	27.0	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 7.572 ng/ul

RT: 26.97 min Scan# 4425

Delta R.T. 0.02 min

Lab File: BE093187.D

Acq: 15 Jun 2017 1:55

Instrument :

BNA_E

ClientSampleId :

F5D30

Tgt	Ion	276	Resp:	516456
Ion	Ratio	Lower	Upper	
276	100			
138	28.8	21.8	32.8	
277	24.0	20.5	30.7	

Manual Integrations
APPROVED

mohammad
6/15/2017 3:53:52 PM

