

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
 Data File : BE093273.D
 Acq On : 20 Jun 2017 5:00
 Operator : SJ/MA
 Sample : I3599-15
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C91

Manual Integrations
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mohammad
 6/20/2017 3:13:34 PM

Quant Time: Jun 20 09:39:52 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 08:49:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2728	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	14387	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	8783	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	20440	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	19510	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	23602m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3438	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	9691	0.17	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	58550	1.640	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	13735	0.563	ng/ul	98
7) Acenaphthylene	14.09	152	216673	5.749	ng/ul	95
8) Acenaphthene	14.43	153	9864	0.324	ng/ul	99
9) Fluorene	15.42	166	14049	0.394	ng/ul	93
12) Phenanthrene	17.14	178	173500	3.085	ng/ul#	88
13) Anthracene	17.22	178	263261	5.376	ng/ul#	87
15) Fluoranthene	19.16	202	762439	11.055	ng/ul	84
17) Pyrene	19.52	202	813256	14.135	ng/ul#	87
18) Benzo(a)anthracene	21.24	228	436018	8.378	ng/ul#	83
19) Chrysene	21.30	228	588412	10.900	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	1305565	18.228	ng/ul	88
22) Benzo(k)fluoranthene	22.98	252	459245m	6.037	ng/ul	
23) Benzo(a)pyrene	23.57	252	662487m	9.782	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.21	276	678392m	8.651	ng/ul	
25) Dibenzo(a,h)anthracene	26.21	278	186129m	2.819	ng/ul	
26) Benzo(g,h,i)perylene	26.98	276	416506	6.193	ng/ul	96

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

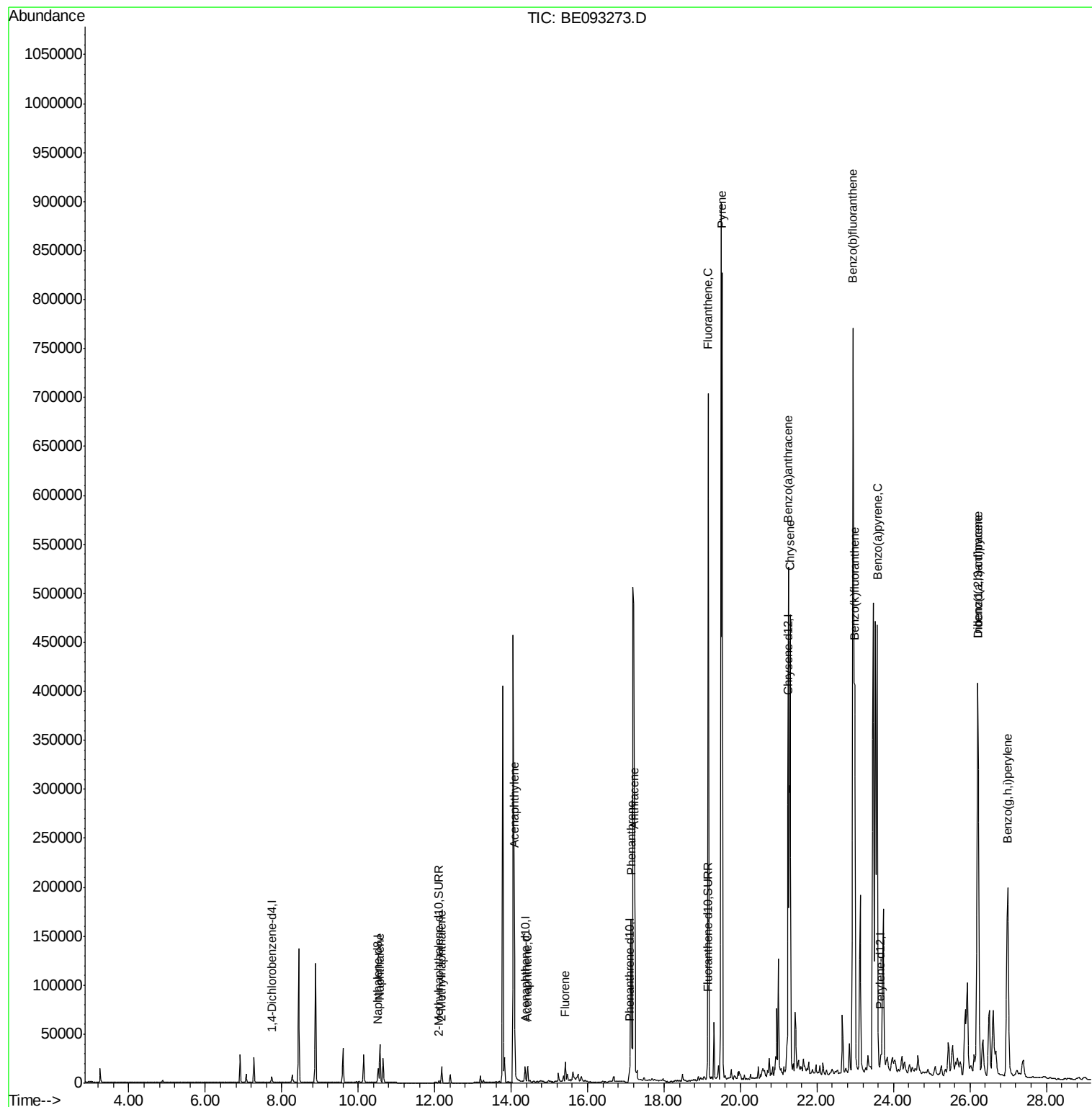
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061917\
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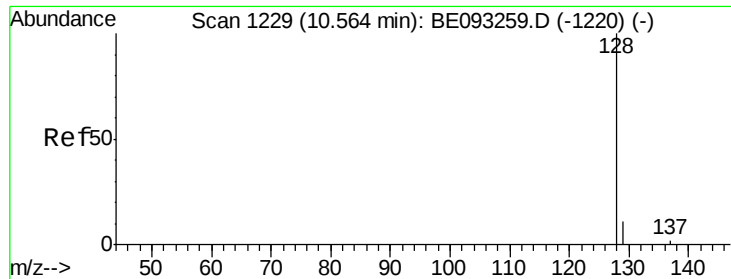
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#3

Naphthalene

Concen: 1.640 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

Tgt Ion:128 Resp: 58550

Ion Ratio Lower Upper

128 100

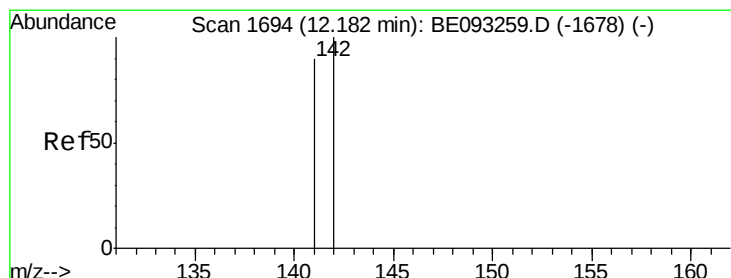
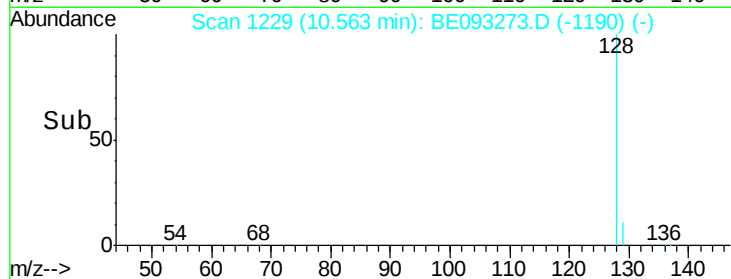
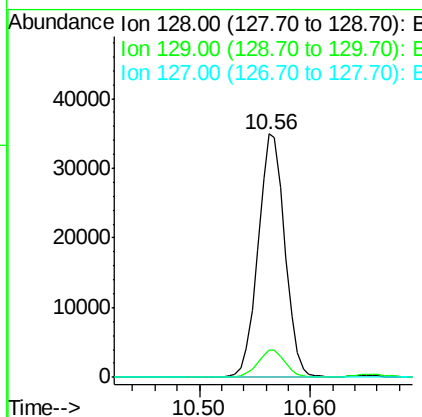
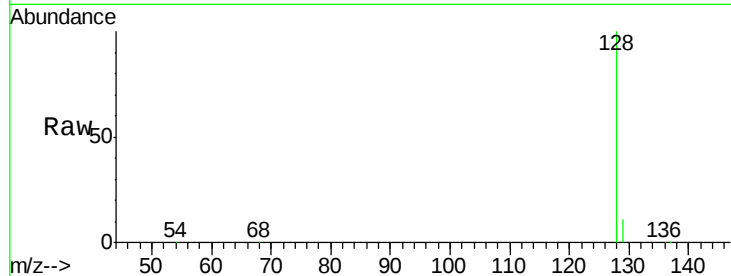
129 11.0 11.3 16.9#

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 0.563 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093273.D

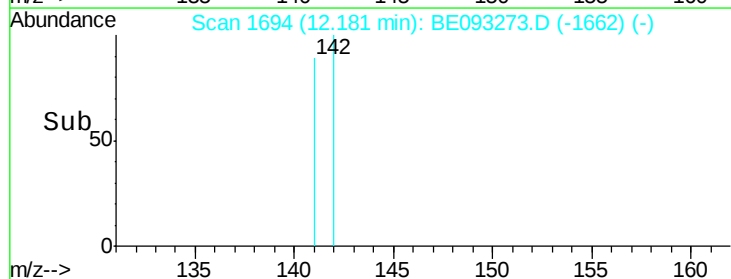
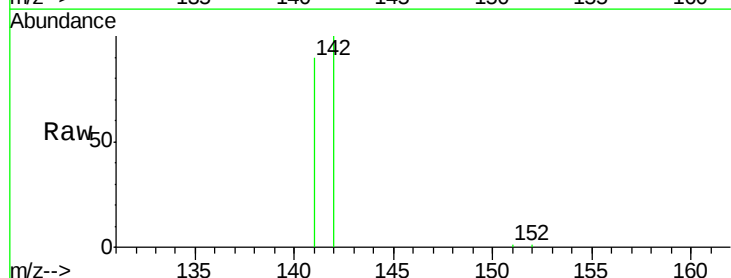
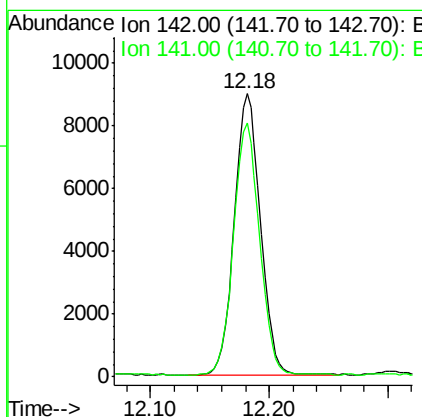
Acq: 20 Jun 2017 5:00

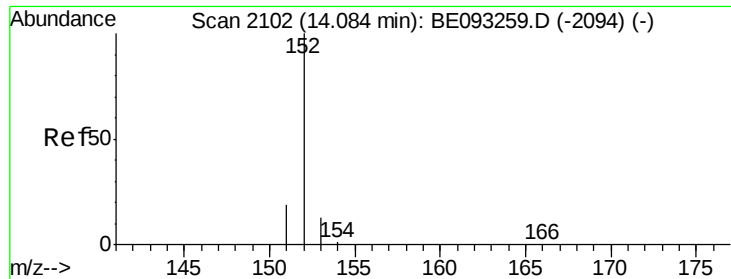
Tgt Ion:142 Resp: 13735

Ion Ratio Lower Upper

142 100

141 89.1 72.6 108.8





#7

Acenaphthylene

Concen: 5.749 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

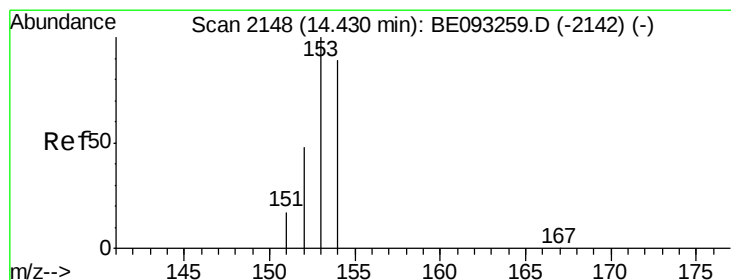
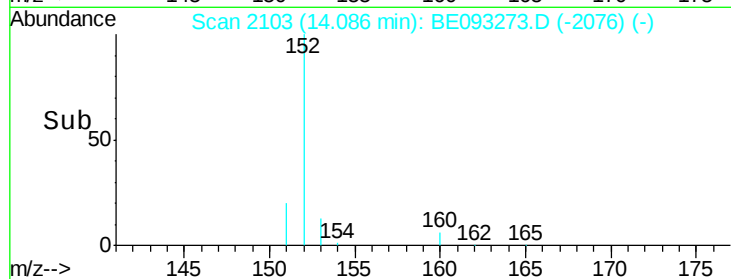
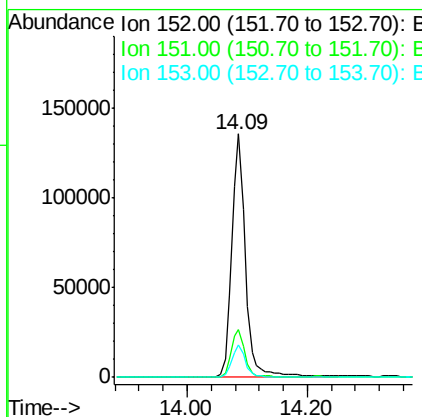
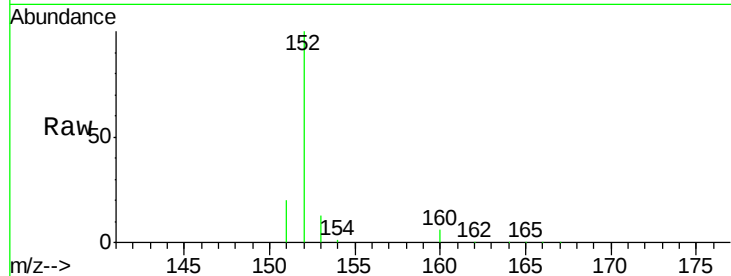
ClientSampleId :

F5C91

Tgt Ion:	152	Resp:	216673
Ion Ratio		Lower	Upper
152	100		
151	19.7	17.1	25.7
153	13.2	12.8	19.2

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#8

Acenaphthene

Concen: 0.324 ng/ul

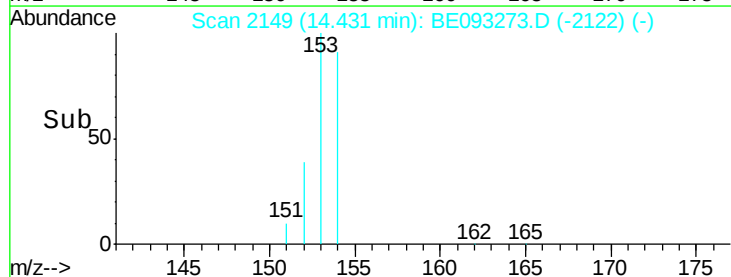
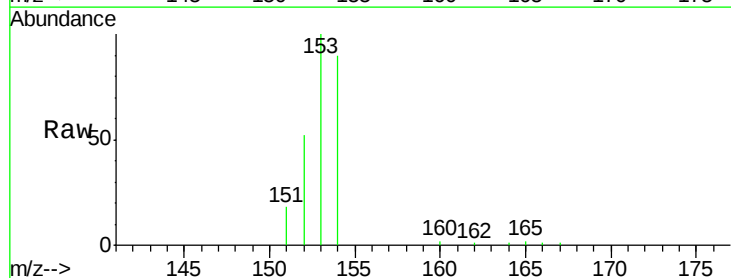
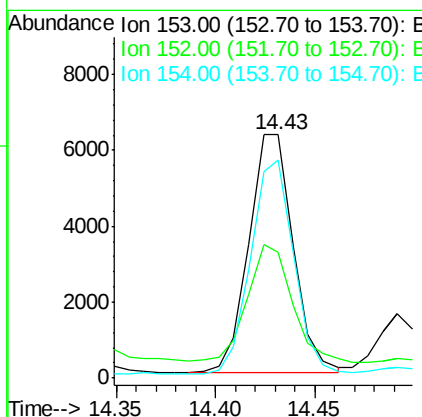
RT: 14.43 min Scan# 2149

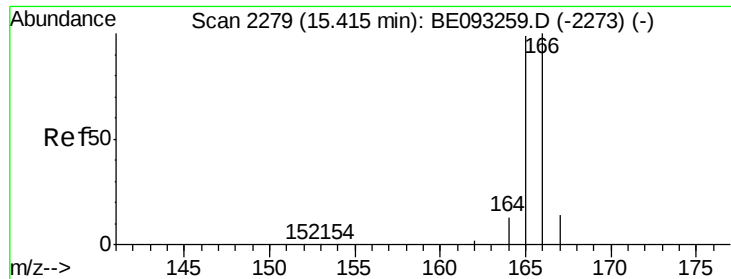
Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Tgt Ion:	153	Resp:	9864
Ion Ratio		Lower	Upper
153	100		
152	51.7	40.3	60.5
154	89.6	71.4	107.2





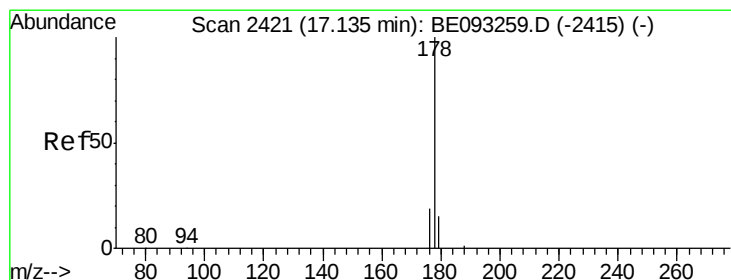
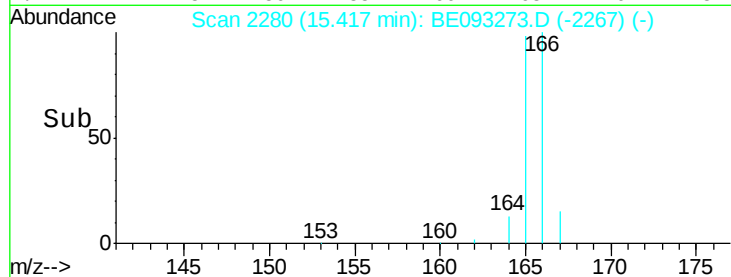
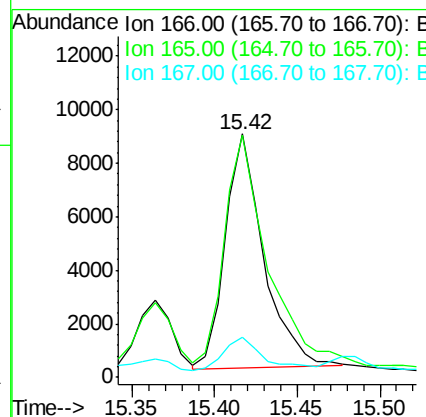
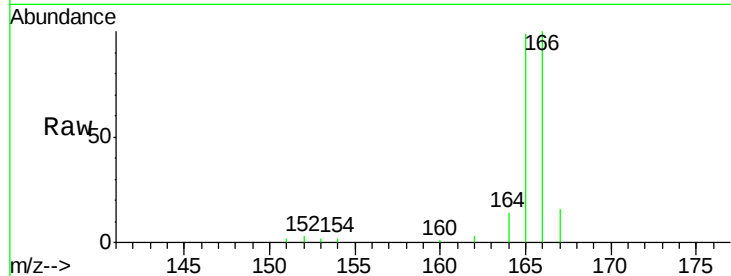
#9
Fluorene
 Concen: 0.394 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Instrument :
 BNA_E
 ClientSampleId :
 F5C91

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	73.4	110.2
167	16.4	14.6	22.0

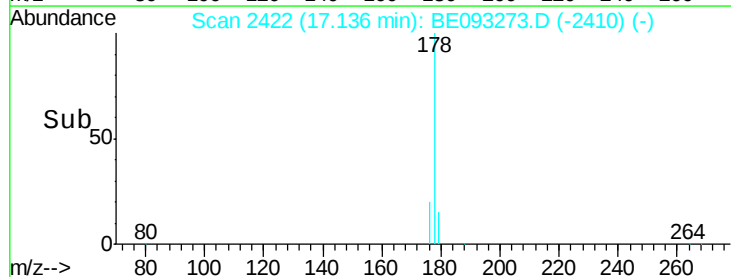
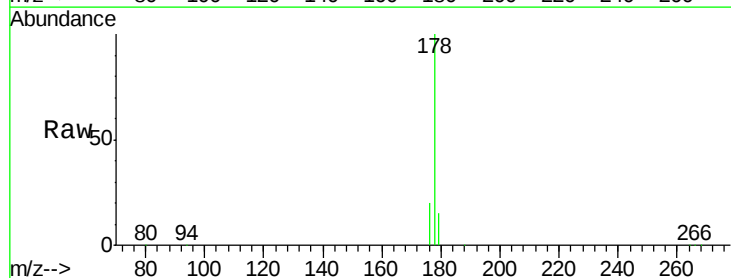
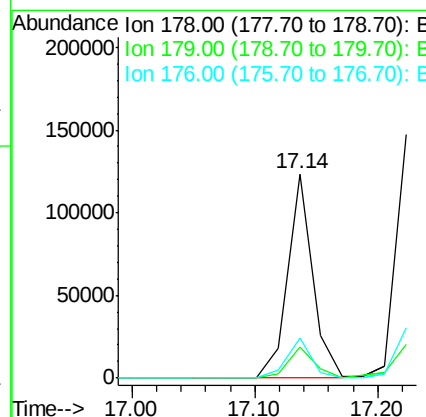
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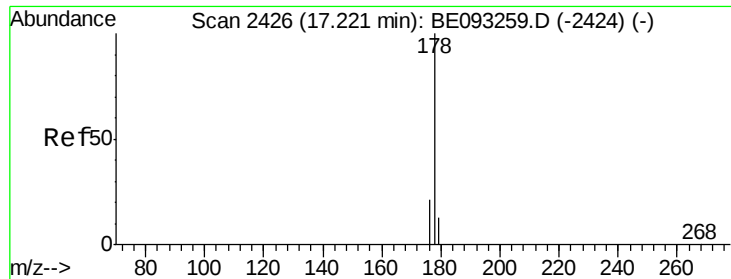
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#12
Phenanthrene
 Concen: 3.085 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	18.4	27.6#
176	19.6	13.6	20.4





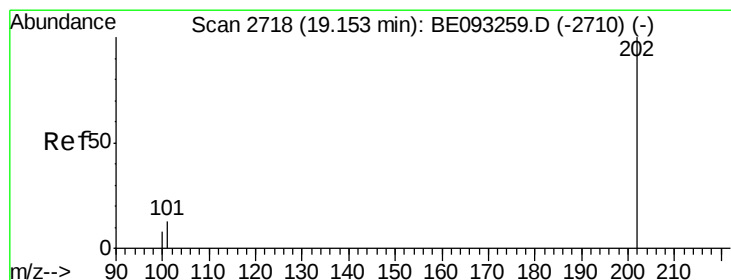
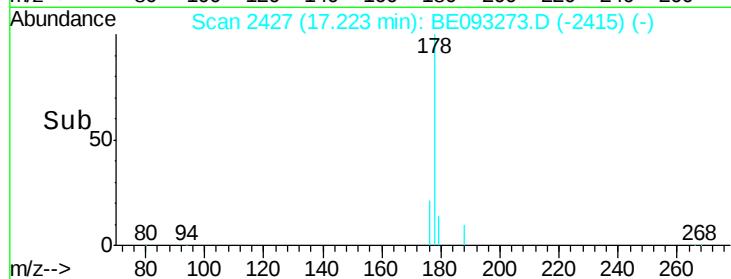
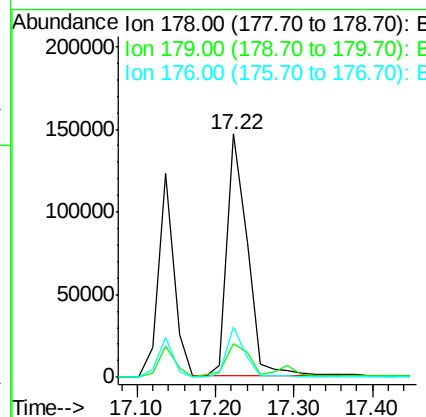
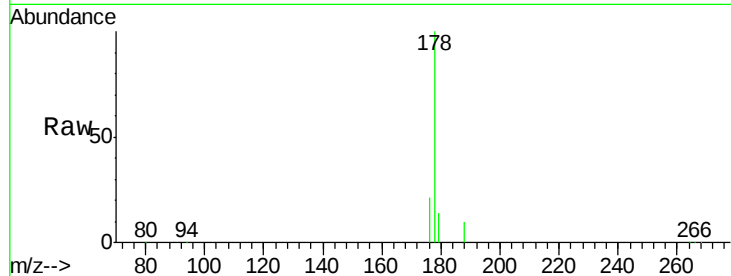
#13
 Anthracene
 Concen: 5.376 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Instrument :
 BNA_E
 ClientSampleId :
 F5C91

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.8	18.1	27.1#
176	20.9	14.7	22.1

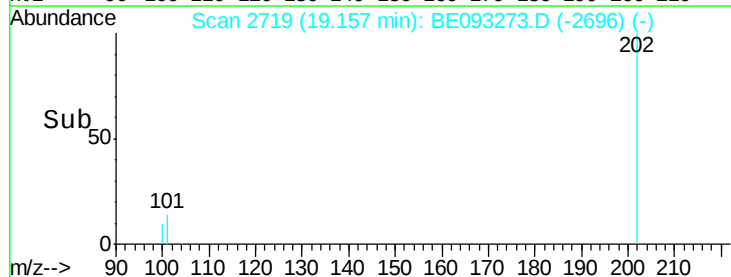
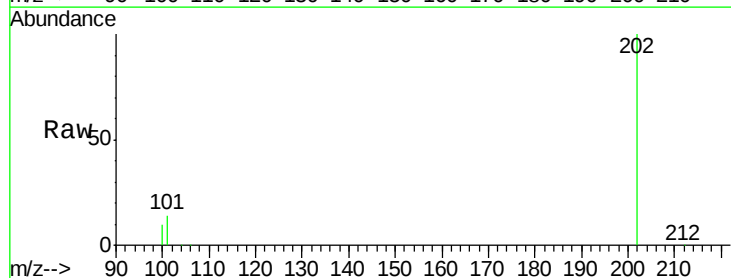
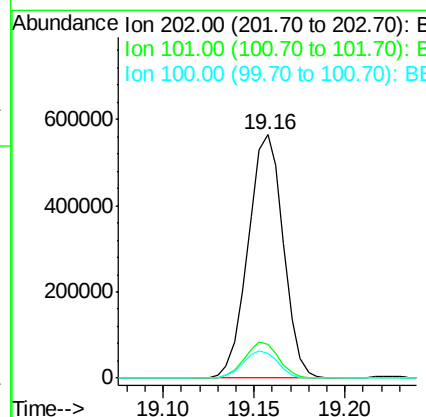
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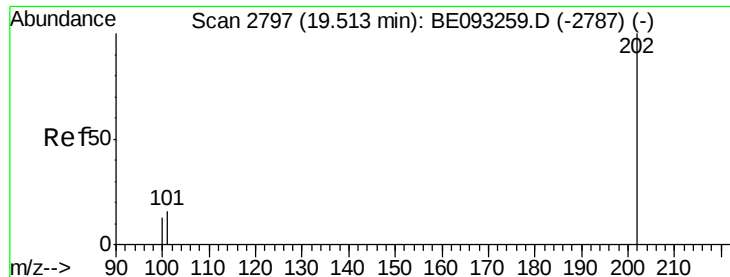
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#15
 Fluoranthene
 Concen: 11.055 ng/ul
 RT: 19.16 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	30.3
100	10.4	0.0	39.5





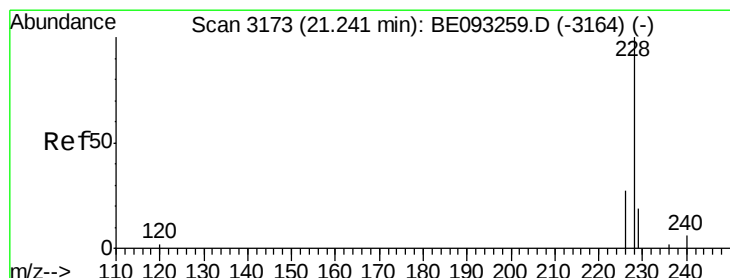
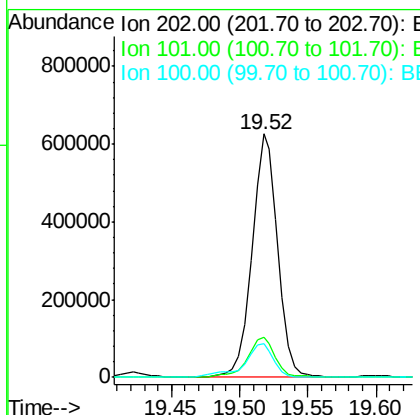
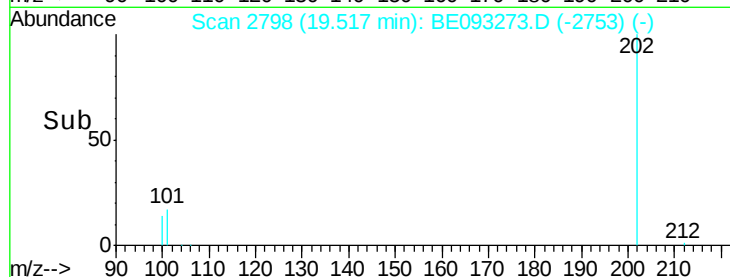
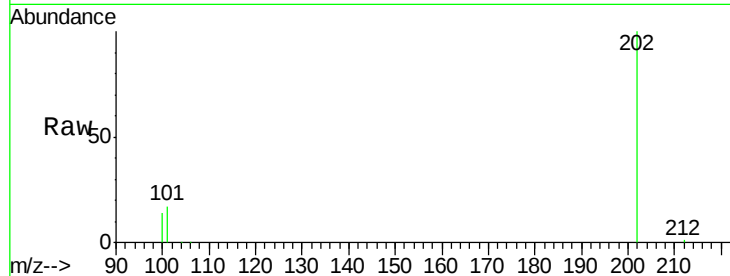
#17
 Pyrene
 Concen: 14.135 ng/ul
 RT: 19.52 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Instrument :
 BNA_E
 ClientSampleId :
 F5C91

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.7	18.2	27.4#
100	13.8	15.6	23.4#

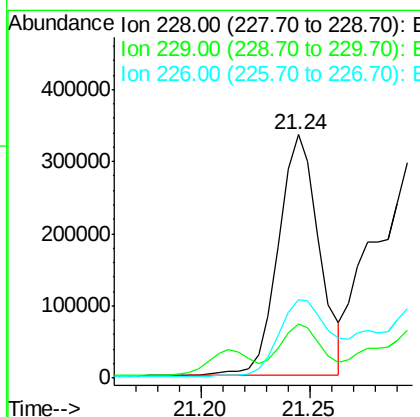
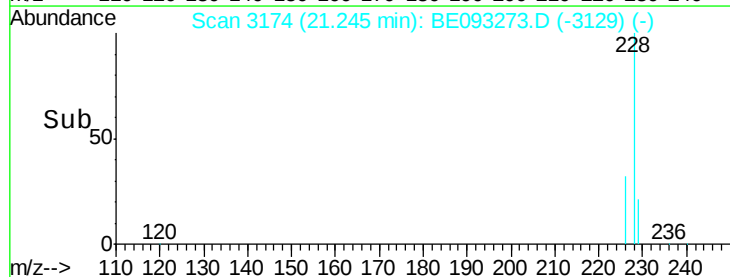
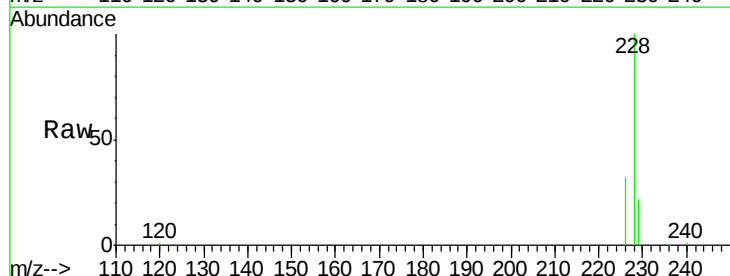
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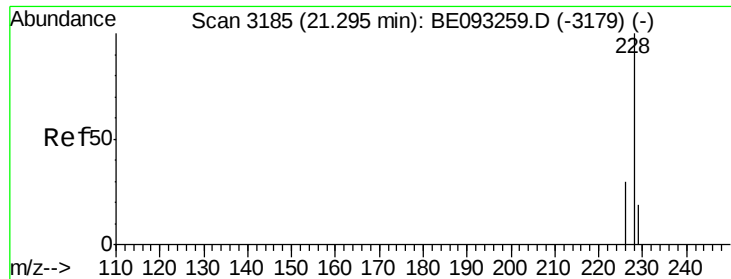
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#18
 Benzo(a)anthracene
 Concen: 8.378 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: BE093273.D
 Acq: 20 Jun 2017 5:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.1	22.8	34.2#
226	32.4	17.0	25.6#





#19

Chrysene

Concen: 10.900 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

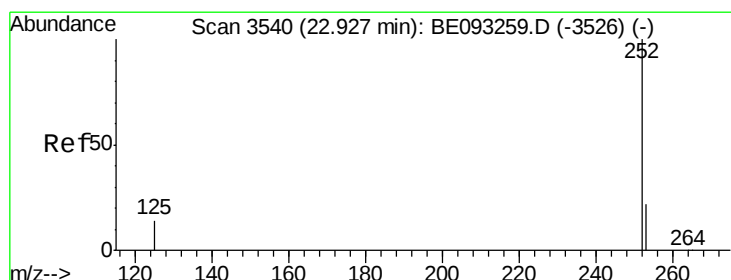
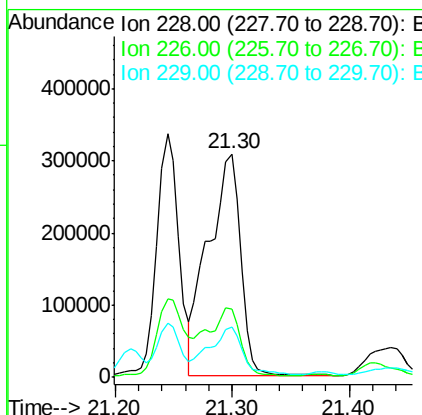
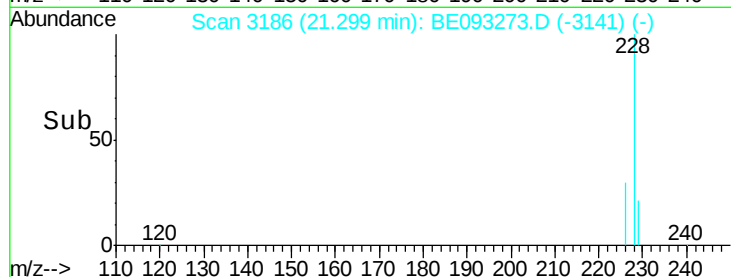
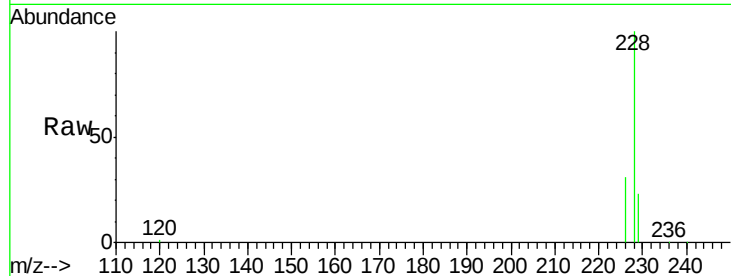
ClientSampleId :

F5C91

Tgt Ion:	228	Resp:	588412
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.4	35.0
229	22.6	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 18.228 ng/ul

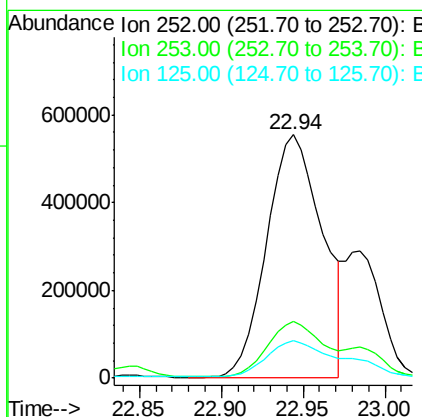
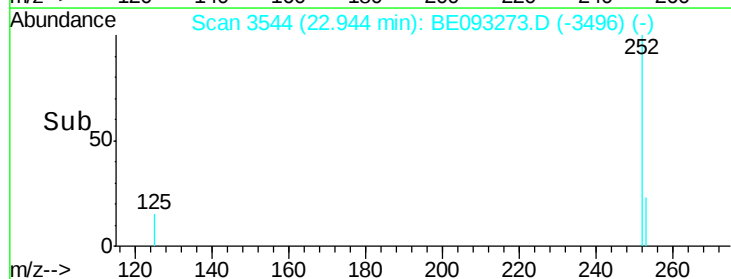
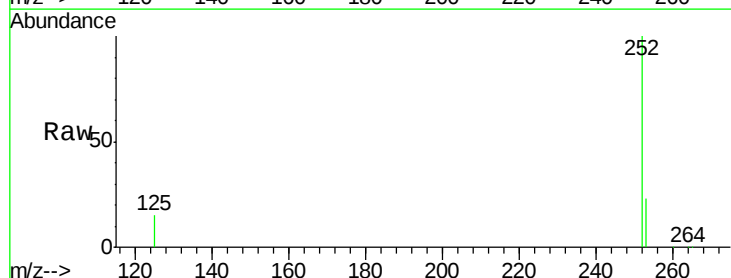
RT: 22.94 min Scan# 3544

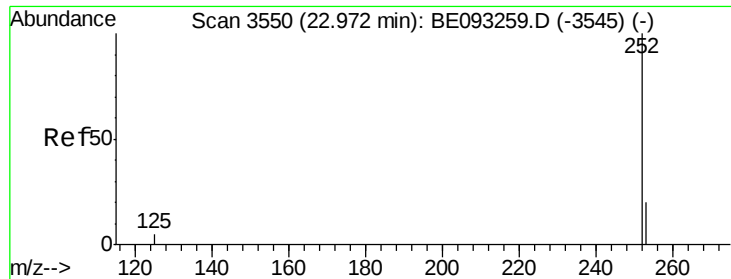
Delta R.T. 0.02 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Tgt Ion:	252	Resp:	1305565
Ion Ratio	Lower	Upper	
252	100		
253	23.1	0.0	64.2
125	15.3	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 6.037 ng/ul m

RT: 22.98 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

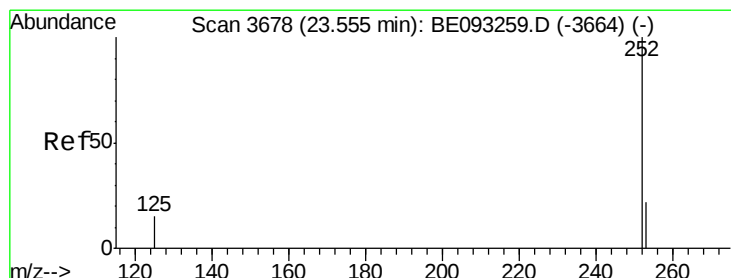
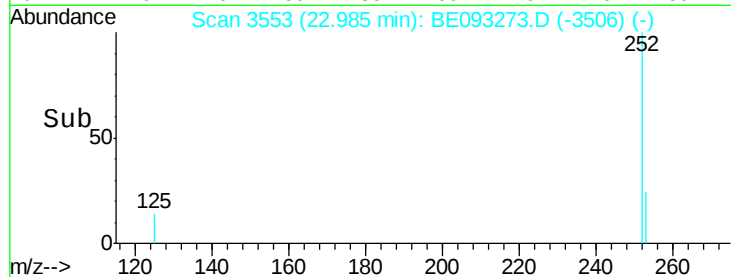
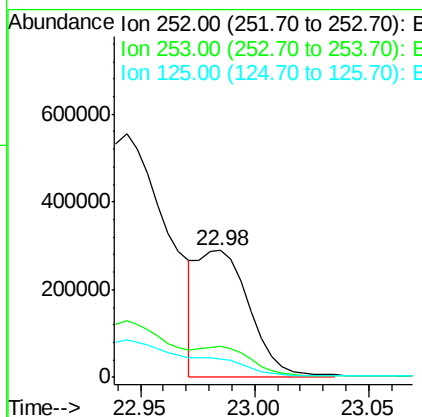
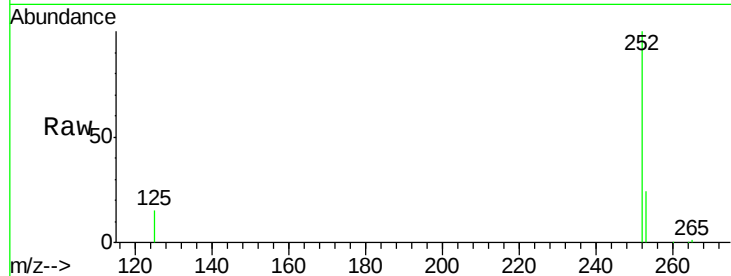
ClientSampleId :

F5C91

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	24.5	36.7#
125	14.9	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 9.782 ng/ul m

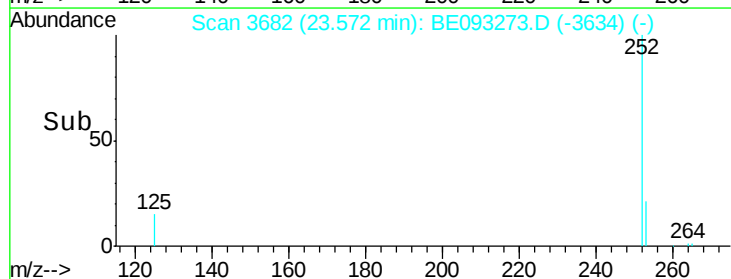
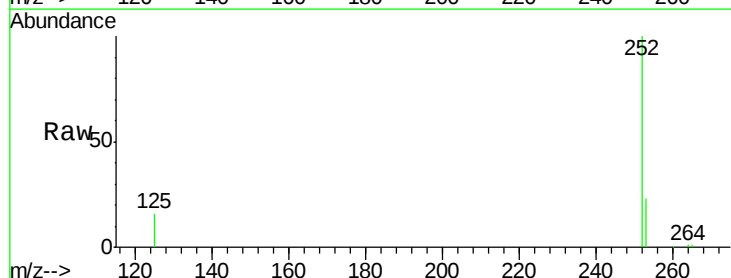
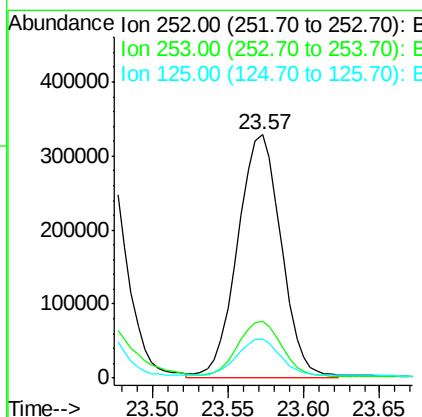
RT: 23.57 min Scan# 3682

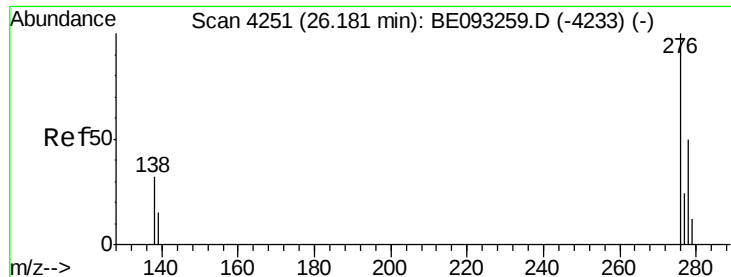
Delta R.T. 0.02 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	15.8	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 8.651 ng/ul m

RT: 26.21 min Scan# 4257

Delta R.T. 0.03 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

Tgt Ion: 276 Resp: 678392

Ion Ratio Lower Upper

276 100

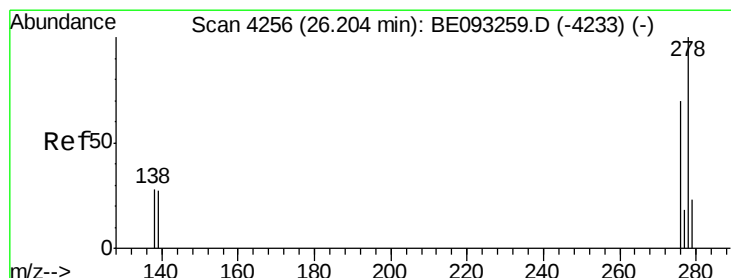
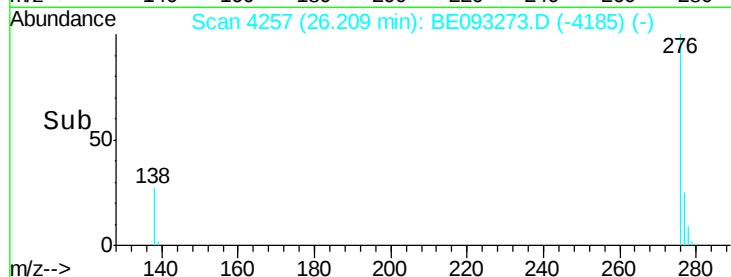
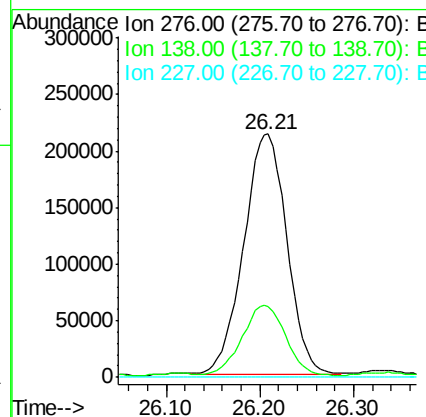
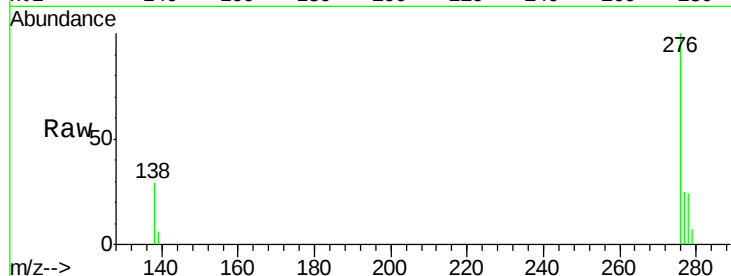
138 3.8 28.0 42.0#

227 0.0 8.0 12.0#

Manual Integrations
APPROVED

mohammad

6/20/2017 3:13:34 PM



#25

Dibenzo(a,h)anthracene

Concen: 2.819 ng/ul m

RT: 26.21 min Scan# 4258

Delta R.T. 0.01 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

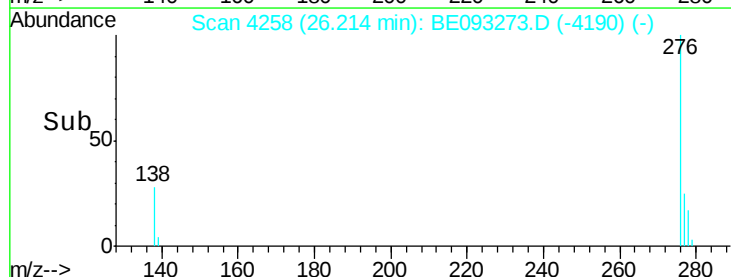
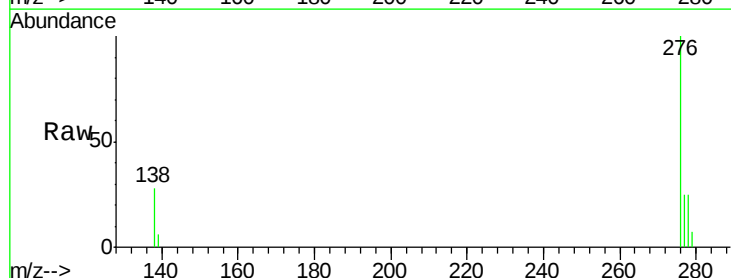
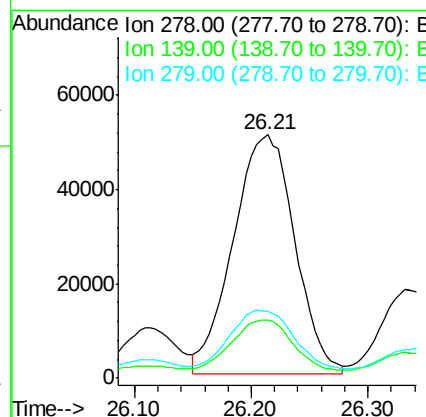
Tgt Ion: 278 Resp: 186129

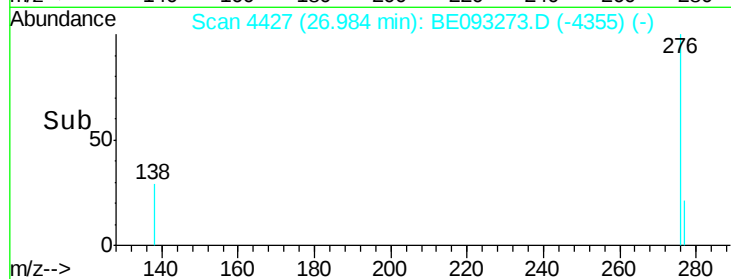
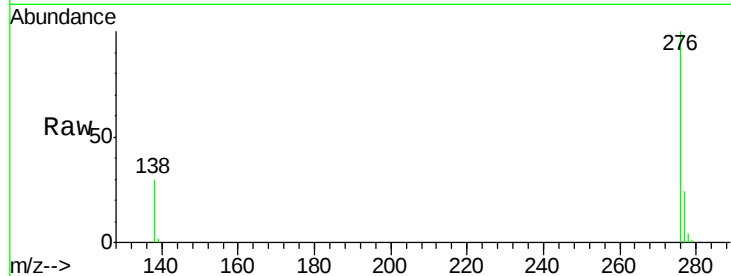
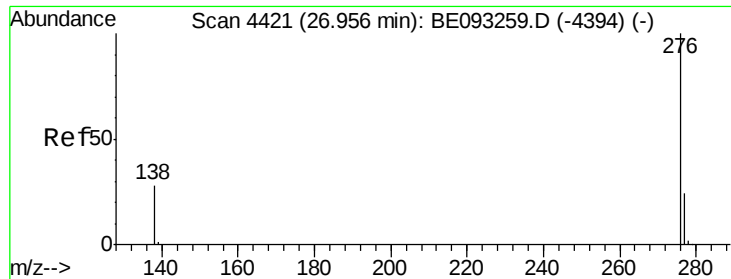
Ion Ratio Lower Upper

278 100

139 23.7 17.4 26.0

279 27.3 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 6.193 ng/ul

RT: 26.98 min Scan# 4427

Delta R.T. 0.03 min

Lab File: BE093273.D

Acq: 20 Jun 2017 5:00

Instrument :

BNA_E

ClientSampleId :

F5C91

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	30.2	21.8	32.8	
277	24.2	20.5	30.7	

Manual Integrations
APPROVED

mohammad
6/20/2017 3:13:34 PM

