

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_E\DATA\BE062317\
 Data File : BE093338.D
 Acq On : 23 Jun 2017 15:09
 Operator : SJ/JU
 Sample : I3625-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A82

Manual Integrations
 APPROVED

mohammad
 6/29/2017 8:32:50 AM

Quant Time: Jun 24 04:26:04 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 24 03:58:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1603	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	8756	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5444	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	12964	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13745	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	10467m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	2014	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	5441	0.15	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	3183	0.147	ng/ul#	94
5) 2-Methylnaphthalene	12.18	142	769	0.052	ng/ul	100
7) Acenaphthylene	14.08	152	29819	1.276	ng/ul	96
8) Acenaphthene	14.42	153	544	0.029	ng/ul#	89
9) Fluorene	15.41	166	1005	0.045	ng/ul#	91
12) Phenanthrene	17.13	178	15841	0.444	ng/ul#	92
13) Anthracene	17.22	178	27660	0.891	ng/ul#	90
15) Fluoranthene	19.15	202	92635	2.118	ng/ul	84
17) Pyrene	19.51	202	161355	3.981	ng/ul#	83
18) Benzo(a)anthracene	21.24	228	103120	2.813	ng/ul#	84
19) Chrysene	21.29	228	137363	3.612	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	330395m	10.401	ng/ul	
22) Benzo(k)fluoranthene	22.97	252	116118m	3.442	ng/ul	
23) Benzo(a)pyrene	23.55	252	163873	5.456	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	26.18	276	140265	4.033	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	36504m	1.246	ng/ul	
26) Benzo(g,h,i)perylene	26.95	276	103586	3.473	ng/ul	97

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

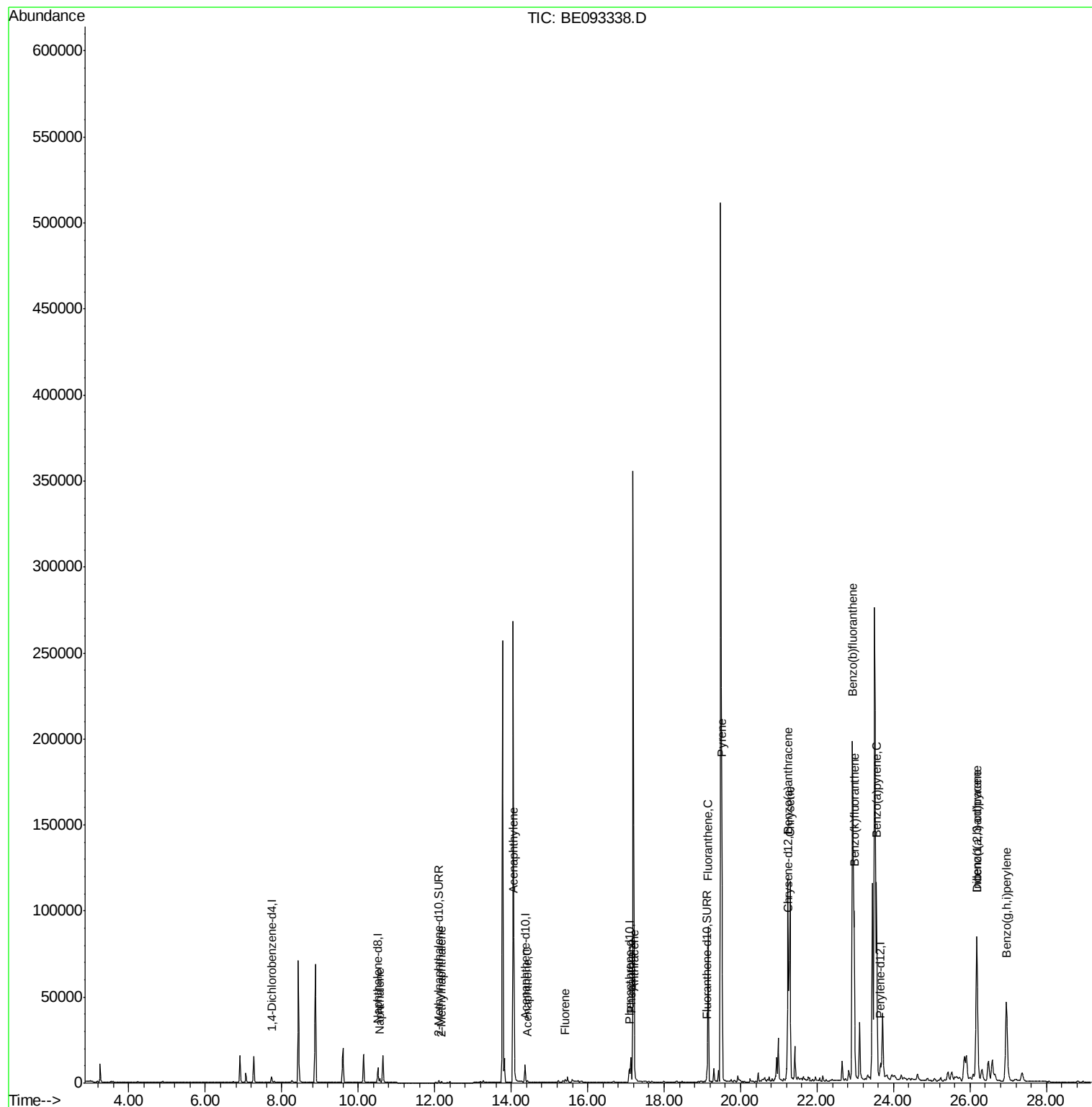
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_E\DATA\BE062317\
Data File : BE093338.D
Acq On : 23 Jun 2017 15:09
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Sample : I3625-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

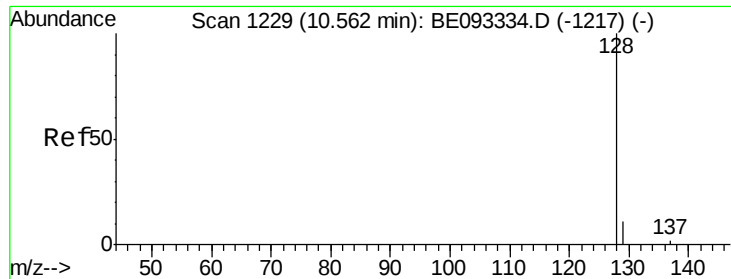
Instrument :
BNA_E
ClientSampleID :
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Quant Time: Jun 24 04:26:04 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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QLast Update : Sat Jun 24 03:58:33 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.147 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

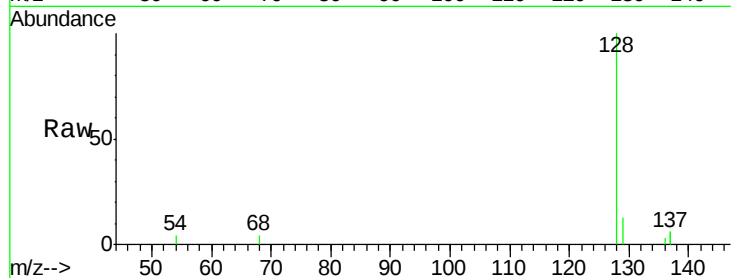
ClientSampleId :

F5A82

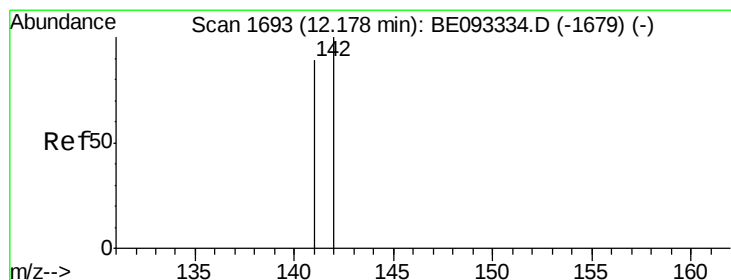
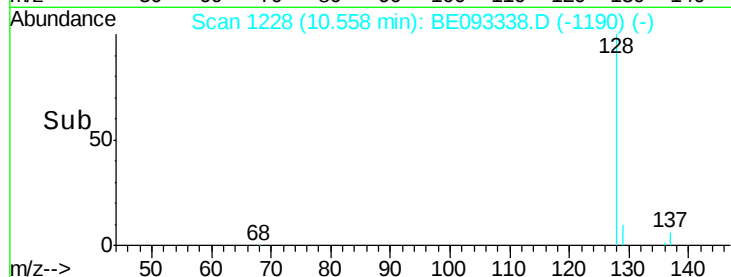
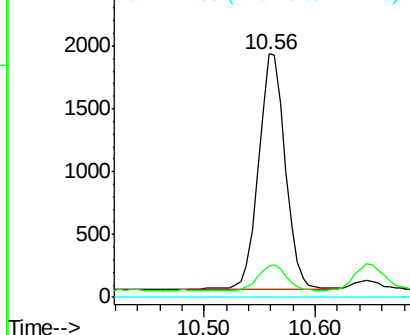
Tgt Ion:	128	Resp:	3183
Ion Ratio	Lower	Upper	
128	100		
129	12.9	11.3	16.9
127	0.0	4.0	6.0#

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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: 0.052 ng/ul

RT: 12.18 min Scan# 1693

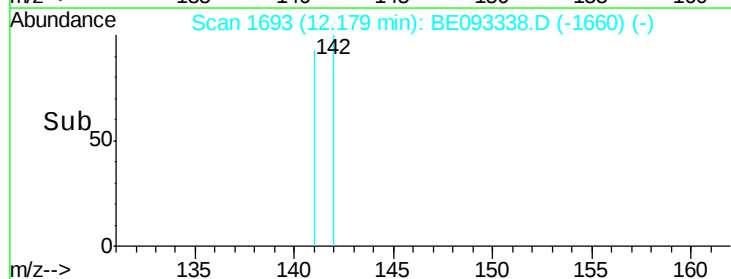
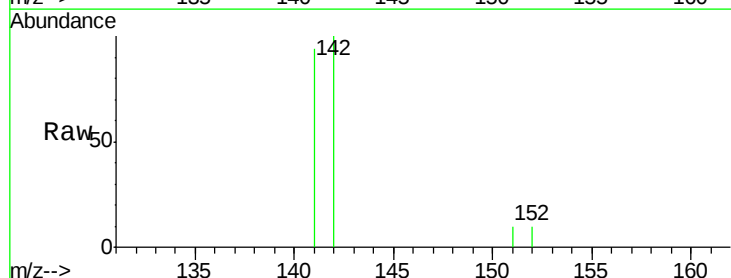
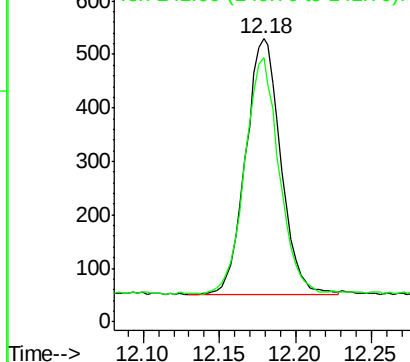
Delta R.T. 0.00 min

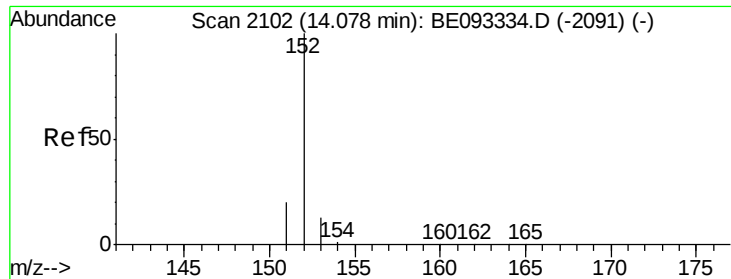
Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion:	142	Resp:	769
Ion Ratio	Lower	Upper	
142	100		
141	91.2	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: 1.276 ng/ul

RT: 14.08 min Scan# 2101

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

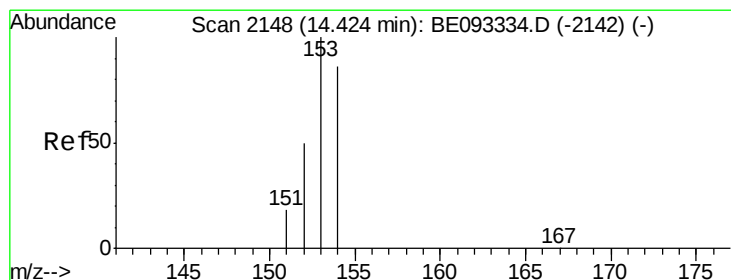
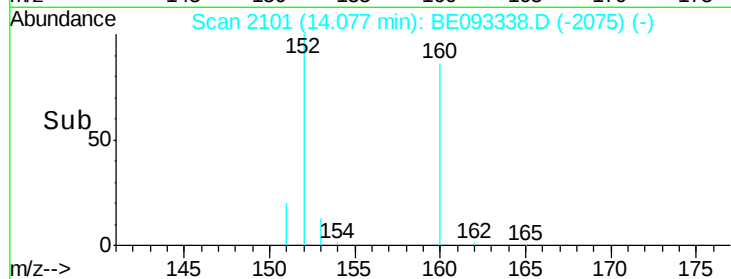
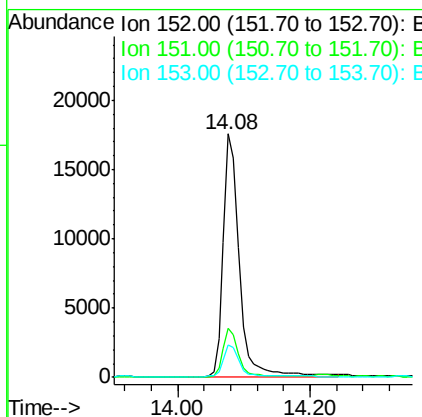
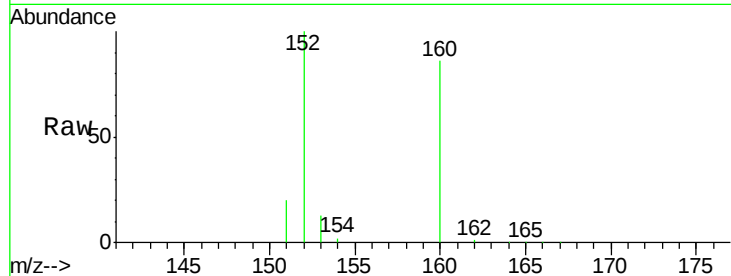
ClientSampleId :

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Tgt Ion:	152	Resp:	29819
Ion Ratio	Lower	Upper	
152	100		
151	20.4	17.1	25.7
153	13.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.029 ng/ul

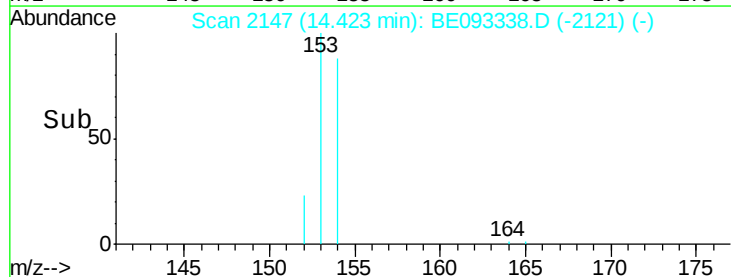
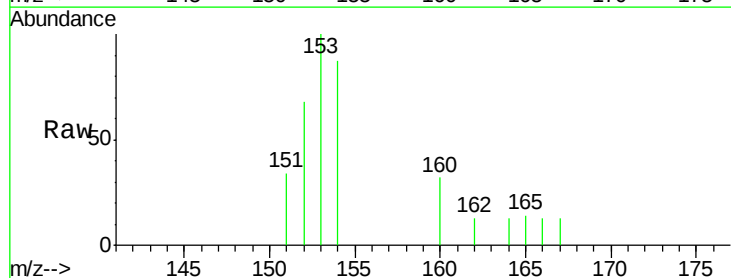
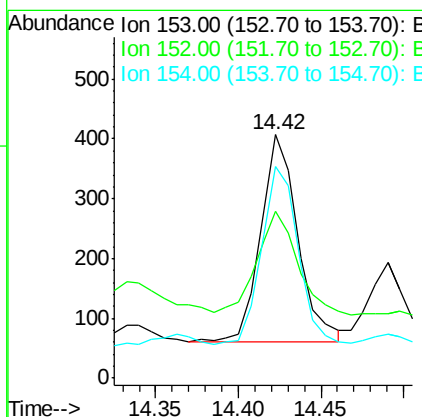
RT: 14.42 min Scan# 2147

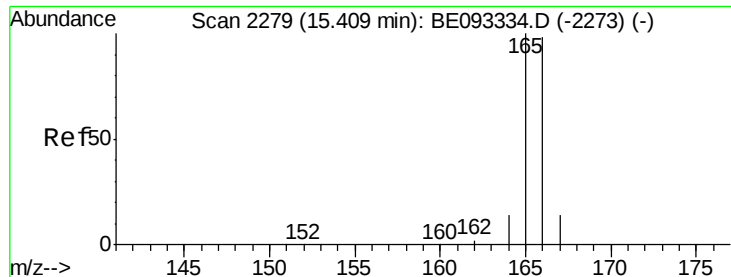
Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion:	153	Resp:	544
Ion Ratio	Lower	Upper	
153	100		
152	68.3	40.3	60.5#
154	86.7	71.4	107.2





#9

Fluorene

Concen: 0.045 ng/ul

RT: 15.41 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

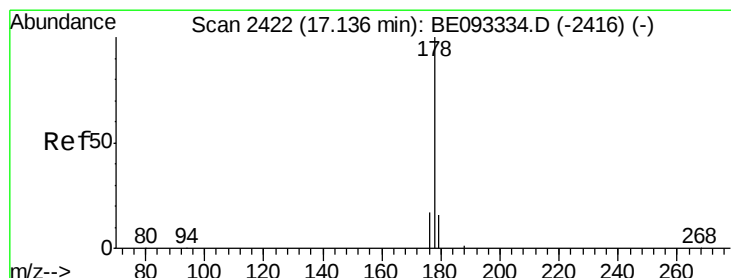
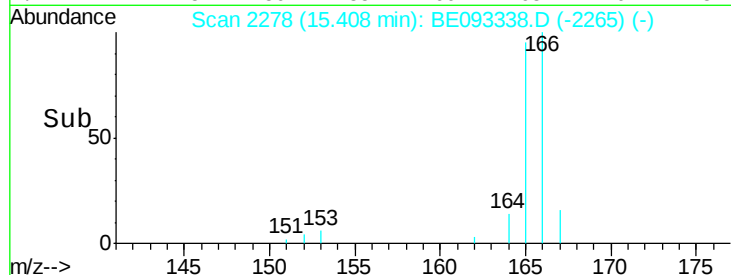
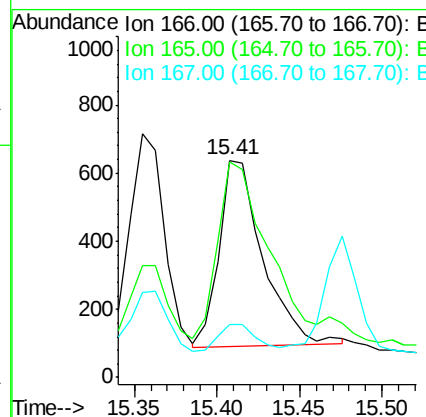
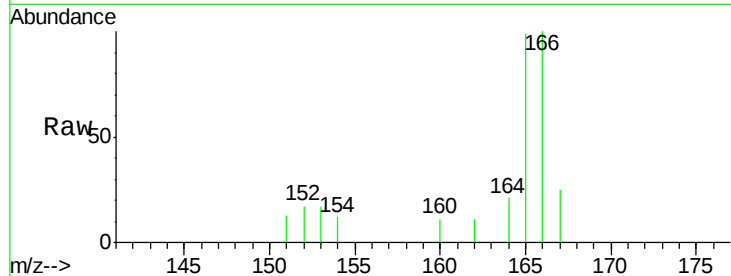
ClientSampleId :

F5A82

Tgt Ion:	166	Resp:	1005
Ion Ratio	Lower	Upper	
166	100		
165	99.1	73.4	110.2
167	24.6	14.6	22.0#

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#12

Phenanthrene

Concen: 0.444 ng/ul

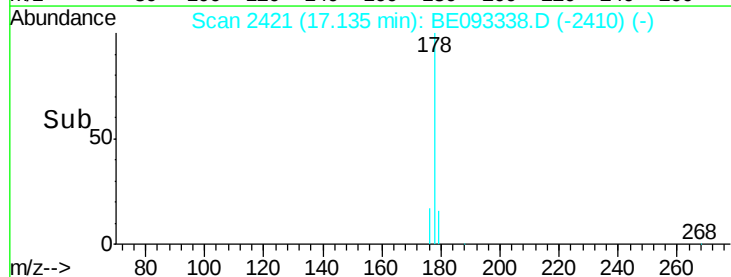
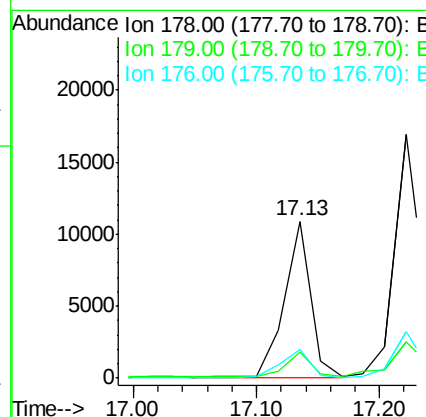
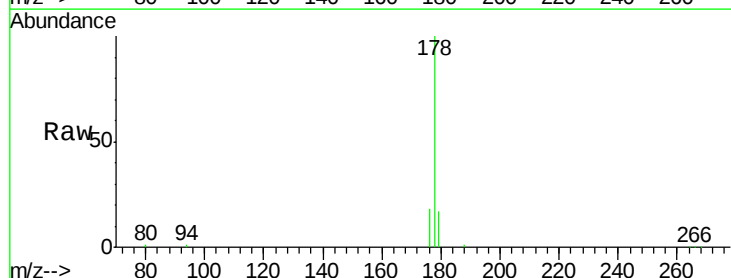
RT: 17.13 min Scan# 2421

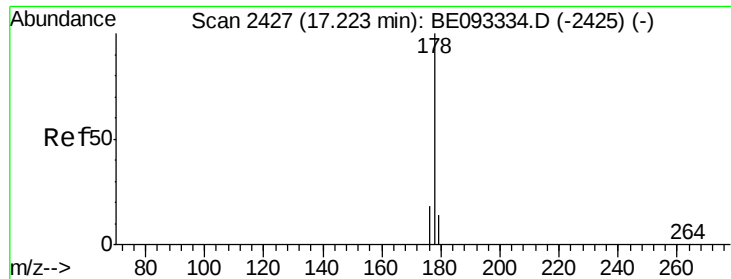
Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion:	178	Resp:	15841
Ion Ratio	Lower	Upper	
178	100		
179	16.7	18.4	27.6#
176	17.8	13.6	20.4





#13

Anthracene

Concen: 0.891 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

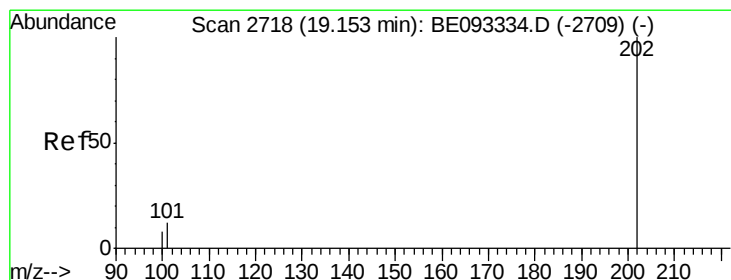
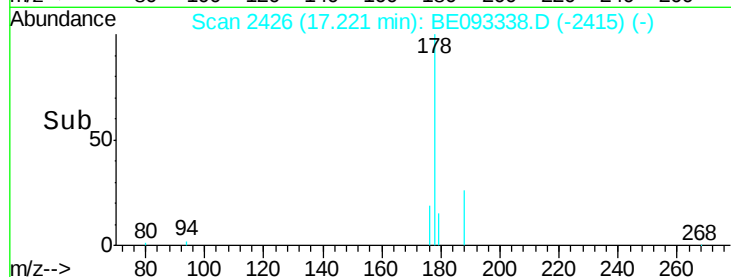
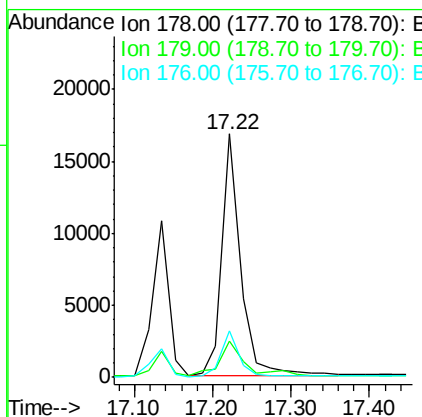
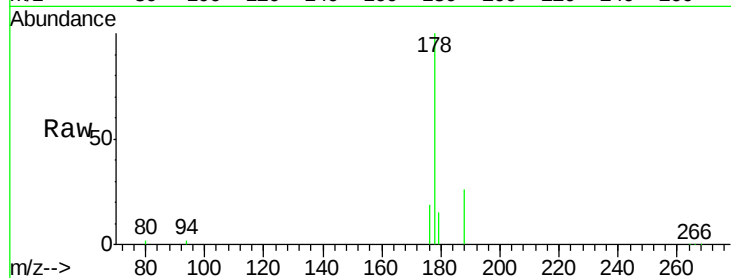
ClientSampleId :

F5A82

Tgt Ion:	178	Resp:	27660
Ion Ratio	Lower	Upper	
178	100		
179	15.0	18.1	27.1#
176	19.3	14.7	22.1

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#15

Fluoranthene

Concen: 2.118 ng/ul

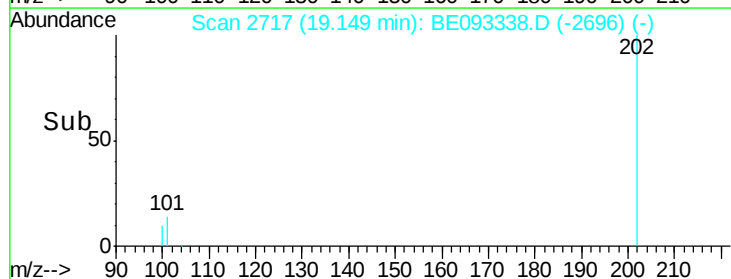
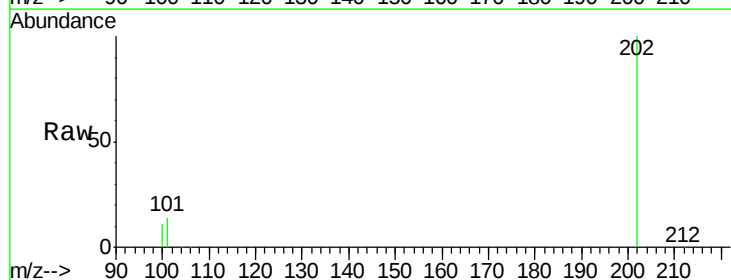
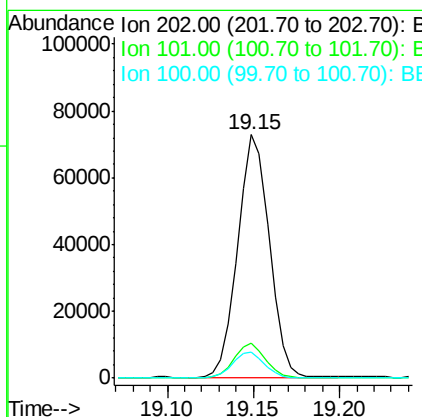
RT: 19.15 min Scan# 2717

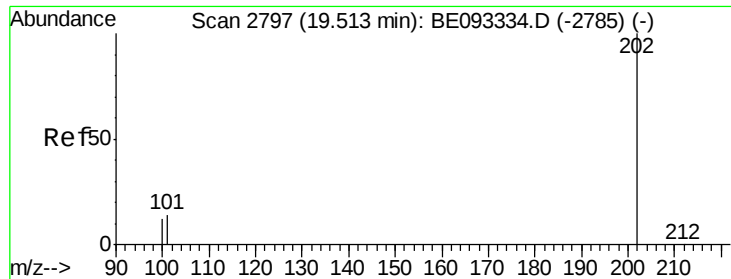
Delta R.T. -0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion:	202	Resp:	92635
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	30.3
100	10.5	0.0	39.5





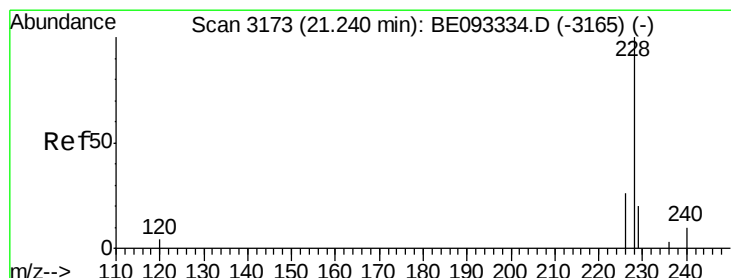
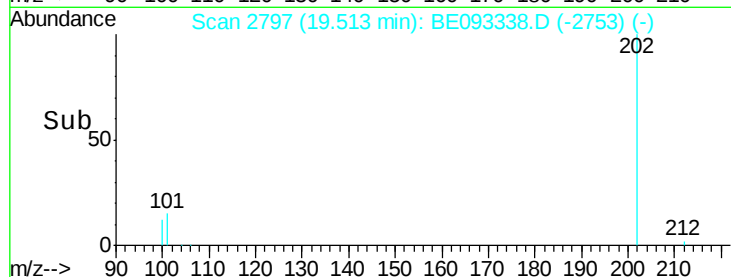
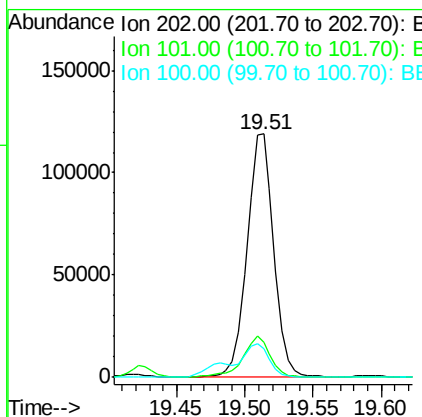
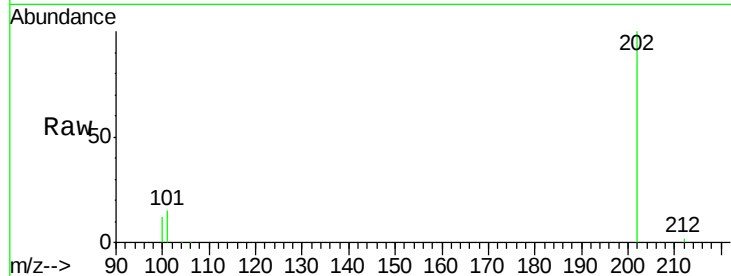
#17
 Pyrene
 Concen: 3.981 ng/ul
 RT: 19.51 min Scan# 2797
 Delta R.T. 0.00 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.6	18.2	27.4#
100	11.7	15.6	23.4#

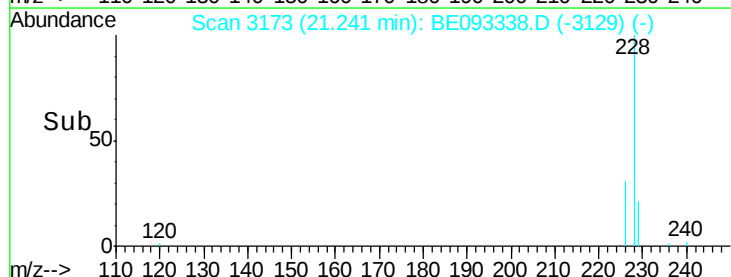
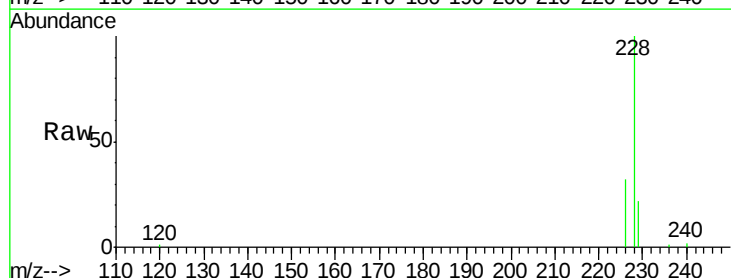
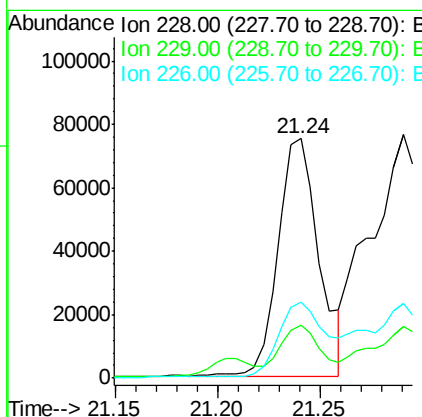
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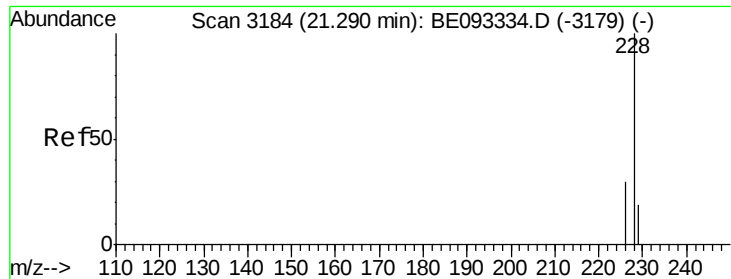
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#18
 Benzo(a)anthracene
 Concen: 2.813 ng/ul
 RT: 21.24 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.0	22.8	34.2#
226	31.5	17.0	25.6#





#19

Chrysene

Concen: 3.612 ng/ul

RT: 21.29 min Scan# 3184

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

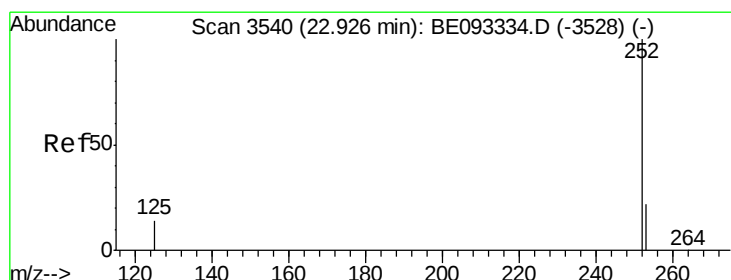
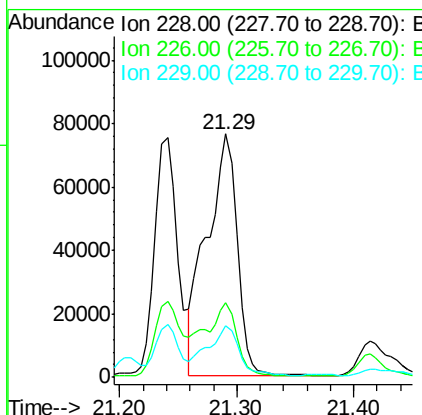
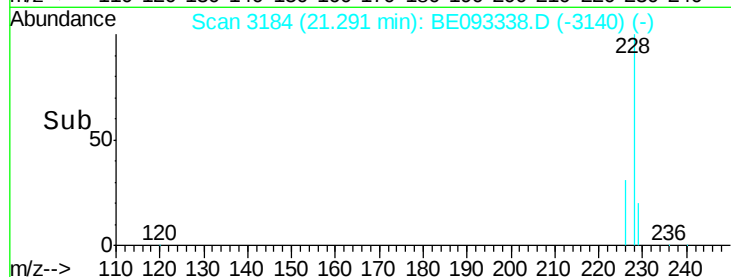
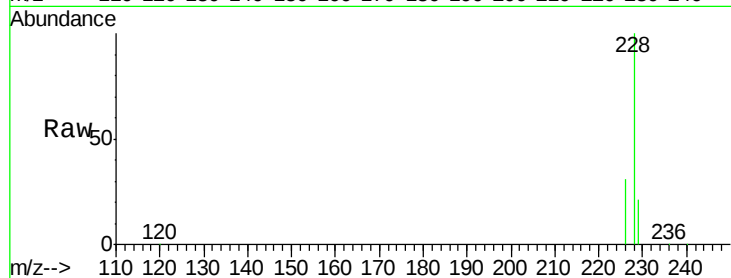
ClientSampled :

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Tgt Ion:	228	Resp:	137363
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.4	35.0
229	20.9	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 10.401 ng/ul m

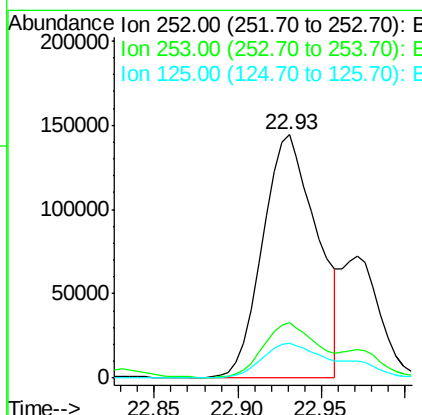
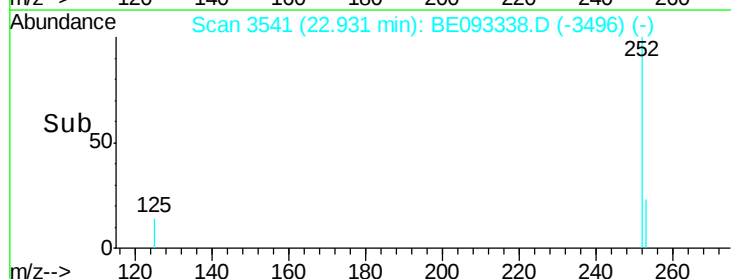
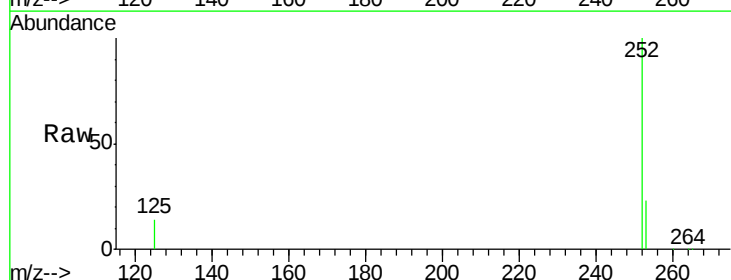
RT: 22.93 min Scan# 3541

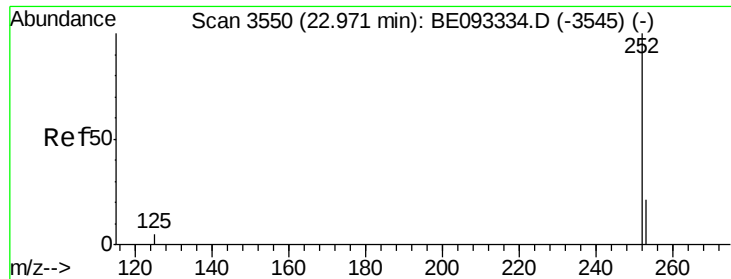
Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion:	252	Resp:	330395
Ion Ratio	Lower	Upper	
252	100		
253	22.7	0.0	64.2
125	14.3	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 3.442 ng/ul m

RT: 22.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

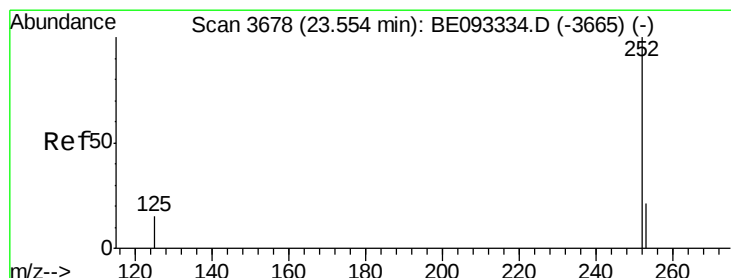
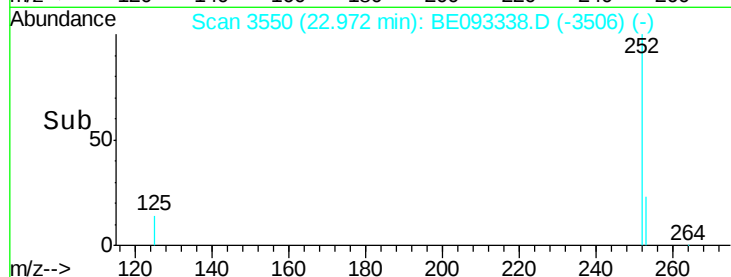
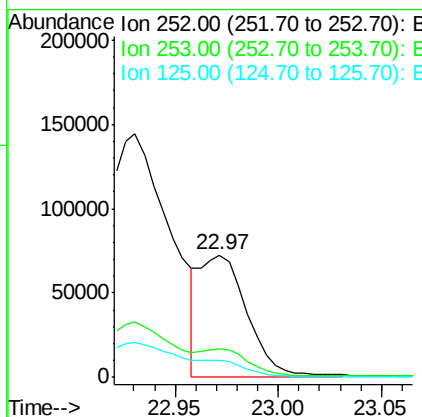
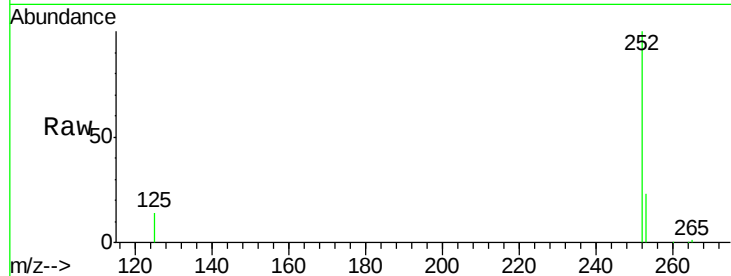
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	24.5	36.7#
125	14.1	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 5.456 ng/ul

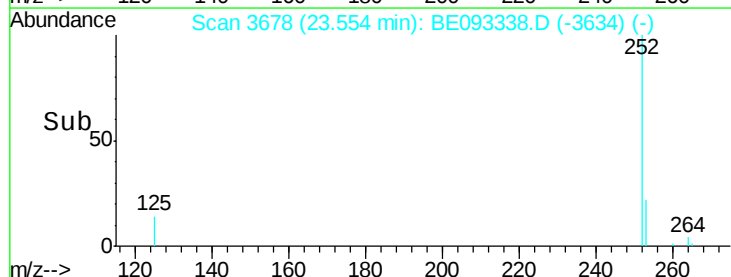
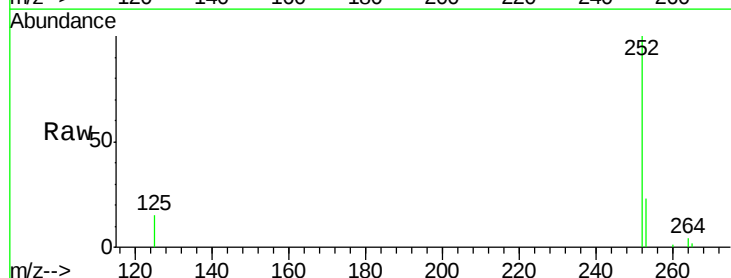
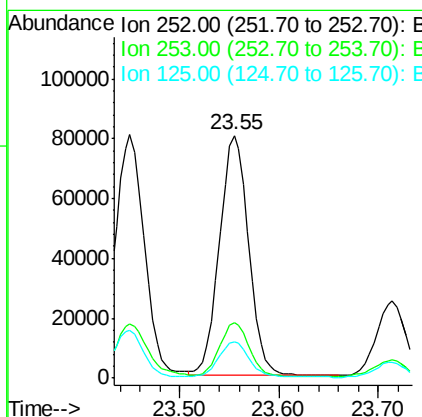
RT: 23.55 min Scan# 3678

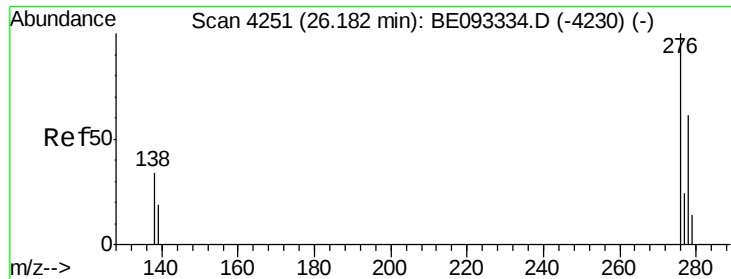
Delta R.T. 0.00 min

Lab File: BE093338.D

Acq: 23 Jun 2017 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	28.5	42.7#
125	14.8	18.1	27.1#





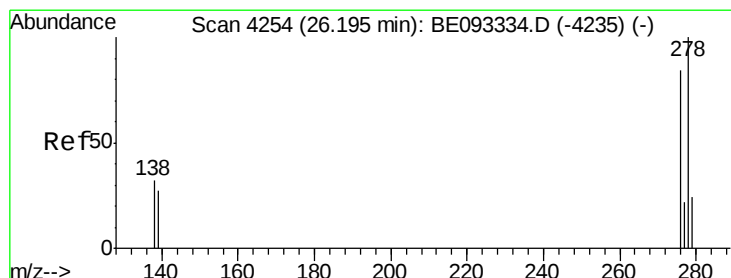
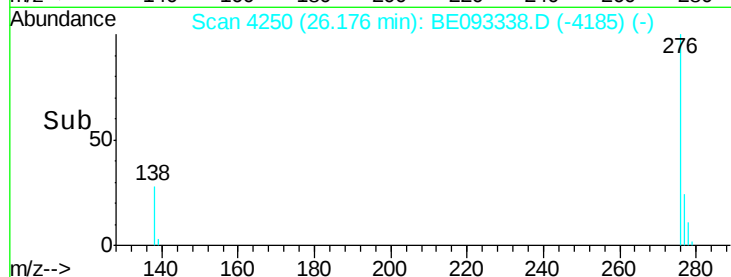
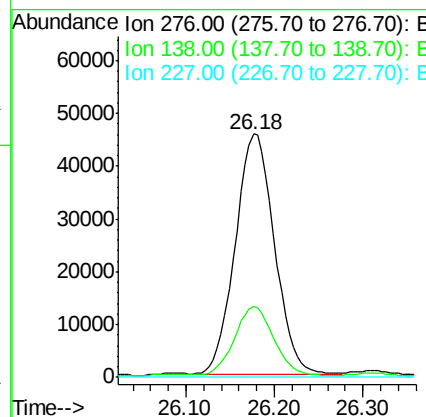
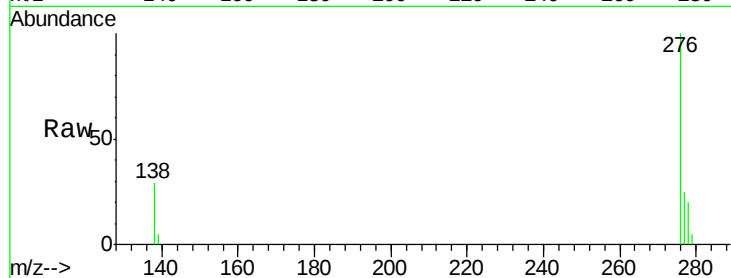
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.033 ng/ul
 RT: 26.18 min Scan# 4250
 Delta R.T. -0.01 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

Instrument :
 BNA_E
 ClientSampleId :
 F5A82

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.2	28.0	42.0
227	0.0	8.0	12.0

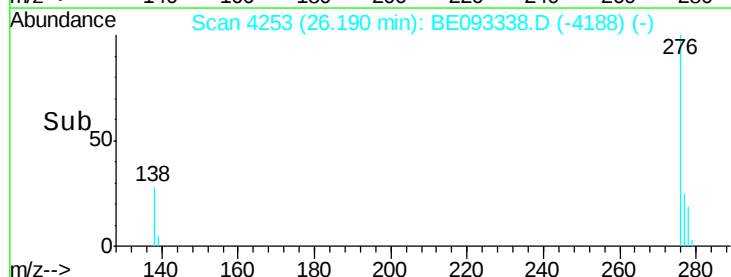
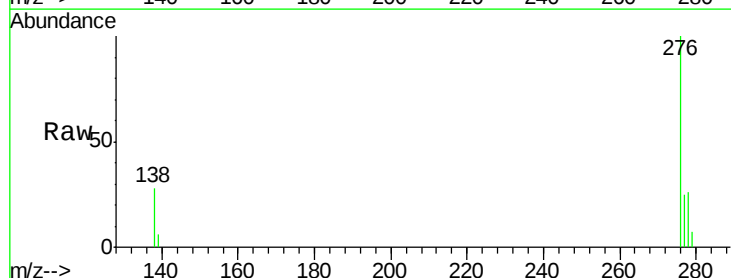
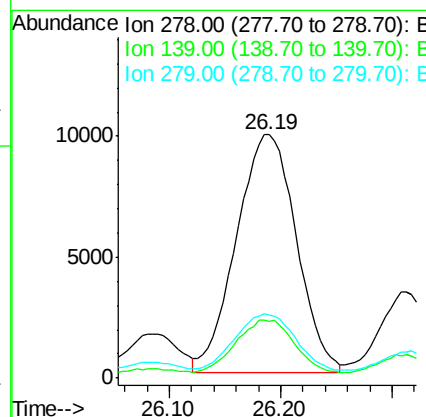
Manual Integrations
 APPROVED

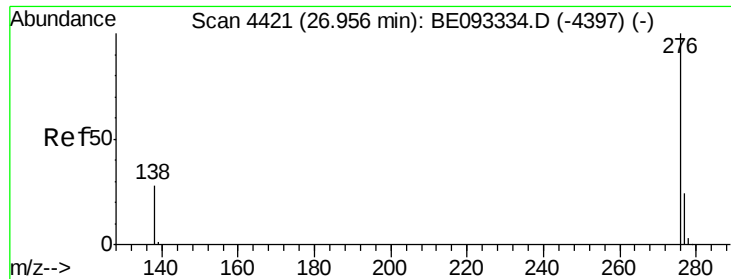
mohammad
 6/29/2017 8:32:50 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.246 ng/ul m
 RT: 26.19 min Scan# 4253
 Delta R.T. -0.01 min
 Lab File: BE093338.D
 Acq: 23 Jun 2017 15:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	23.5	17.4	26.0
279	25.8	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 3.473 ng/ul

RT: 26.95 min Scan# 4420

Delta R.T. -0.01 min

Lab File: BE093338.D

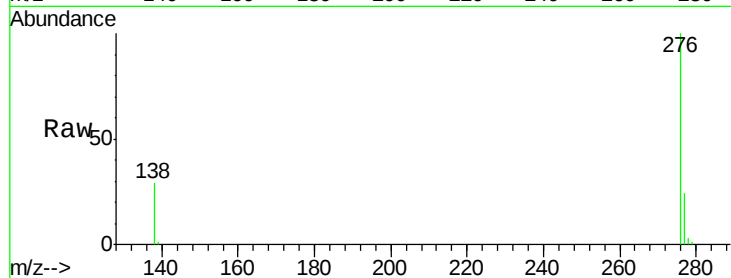
Acq: 23 Jun 2017 15:09

Instrument :

BNA_E

ClientSampleId :

F5A82



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
138	29.0	21.8	32.8		
277	24.1	20.5	30.7		

Manual Integrations
APPROVED

mohammad
6/29/2017 8:32:50 AM

