

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
 Data File : BE093220.D
 Acq On : 15 Jun 2017 22:22
 Operator : SJ/MA
 Sample : I3521-18DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5D54DL

Manual Integrations
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Quant Time: Jun 16 05:27:32 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 04:43:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2687	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	13944	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	8150	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	19451	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	20546	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	19638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	1486	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	4007	0.08	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	1650	0.048	ng/ul#	90
5) 2-Methylnaphthalene	12.18	142	463	0.020	ng/ul	97
7) Acenaphthylene	14.09	152	6886	0.197	ng/ul	98
12) Phenanthrene	17.13	178	6535	0.122	ng/ul#	87
13) Anthracene	17.22	178	8571	0.184	ng/ul#	87
15) Fluoranthene	19.16	202	54715	0.834	ng/ul	83
17) Pyrene	19.52	202	74047	1.222	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	38119	0.696	ng/ul#	85
19) Chrysene	21.29	228	42097	0.740	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	82478m	1.384	ng/ul	
22) Benzo(k)fluoranthene	22.98	252	28649m	0.453	ng/ul	
23) Benzo(a)pyrene	23.56	252	42718	0.758	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	26.18	276	29668	0.455	ng/ul#	87
25) Dibenzo(a,h)anthracene	26.20	278	7304	0.133	ng/ul#	85
26) Benzo(g,h,i)perylene	26.96	276	24625	0.440	ng/ul	97

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

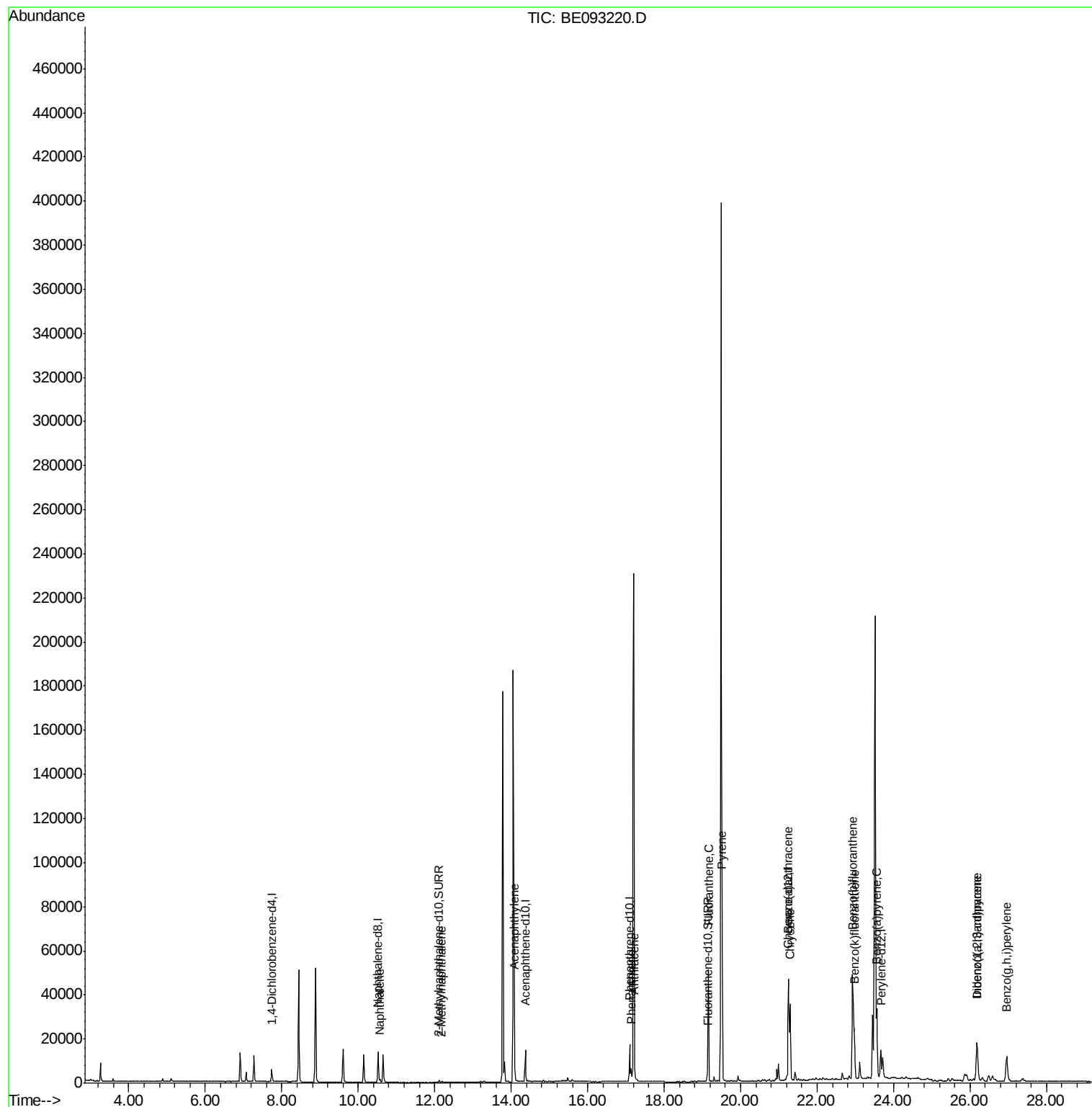
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093220.D
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Sample : I3521-18DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

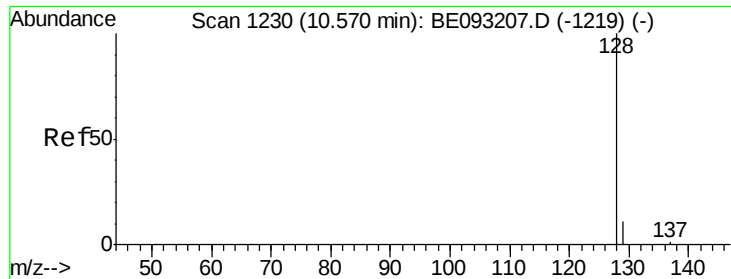
Instrument :
BNA_E
ClientSampleId :
F5D54DL

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Quant Time: Jun 16 05:27:32 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 04:43:11 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.048 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

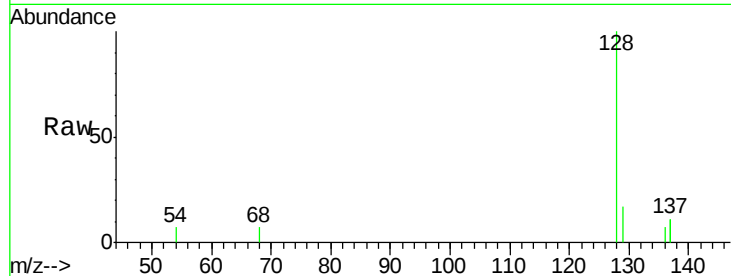
ClientSampleId :

F5D54DL

Tgt Ion:	128	Resp:	1650
Ion Ratio	Lower	Upper	
128	100		
129	17.2	11.3	16.9#
127	0.0	4.0	6.0#

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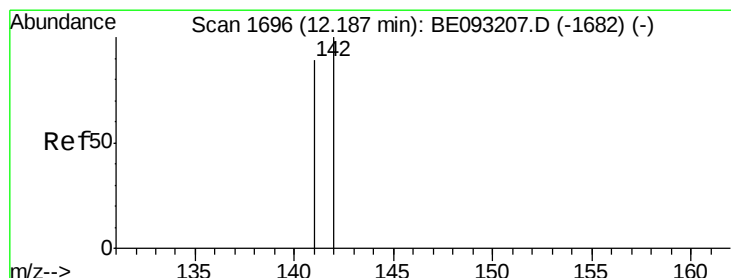
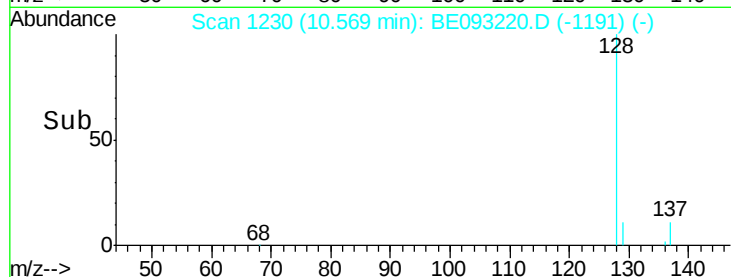
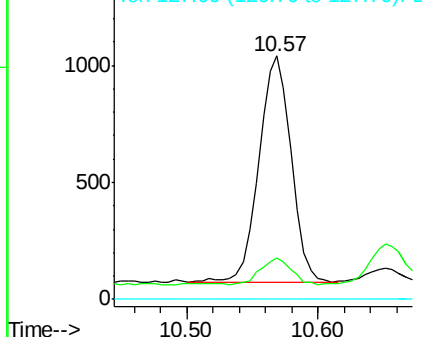
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.020 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.01 min

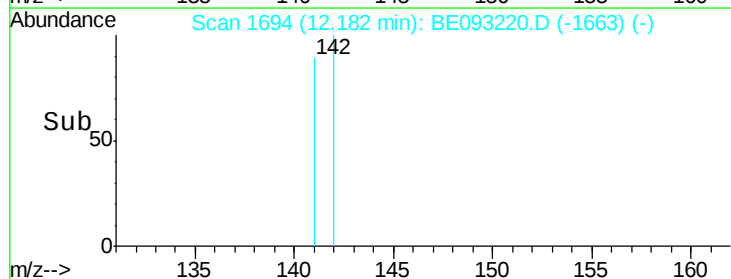
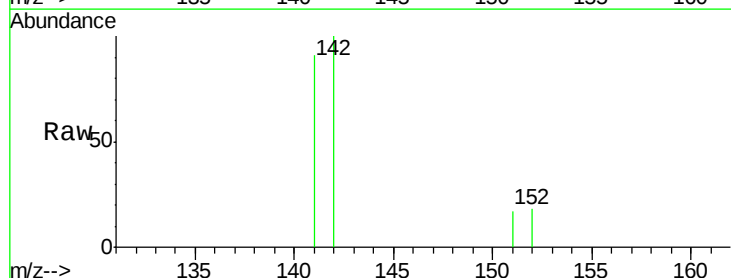
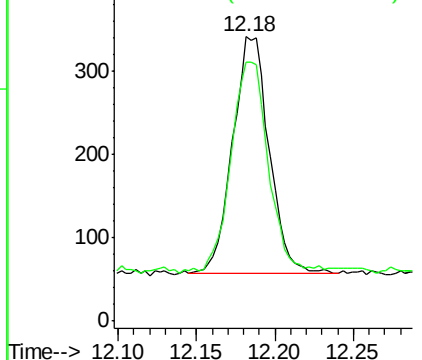
Lab File: BE093220.D

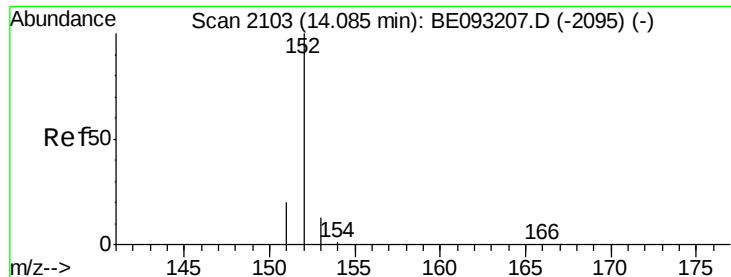
Acq: 15 Jun 2017 22:22

Tgt Ion:	142	Resp:	463
Ion Ratio	Lower	Upper	
142	100		
141	93.1	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: 0.197 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

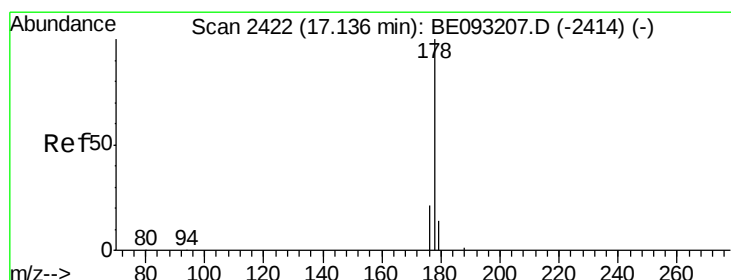
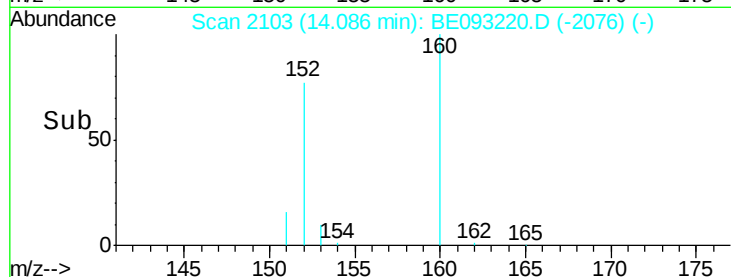
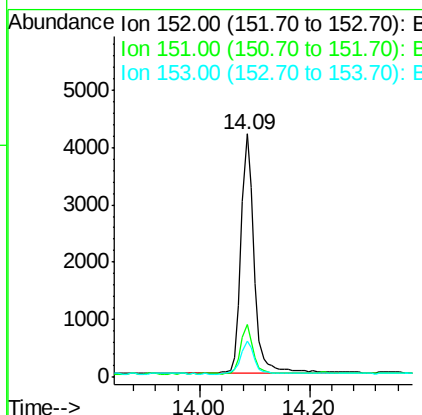
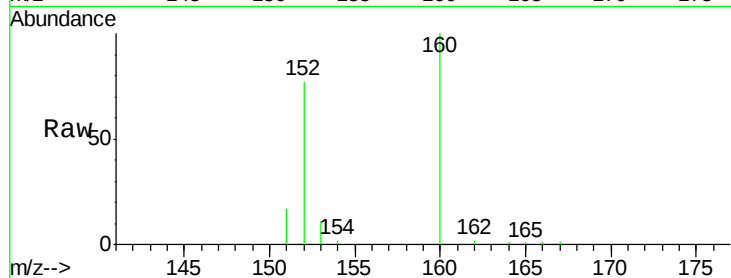
ClientSampleId :

F5D54DL

Tgt Ion:	152	Resp:	6886
Ion Ratio	Lower	Upper	
152	100		
151	21.7	17.1	25.7
153	14.7	12.8	19.2

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#12

Phenanthrene

Concen: 0.122 ng/ul

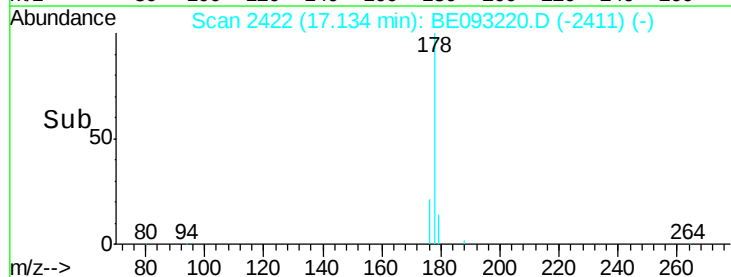
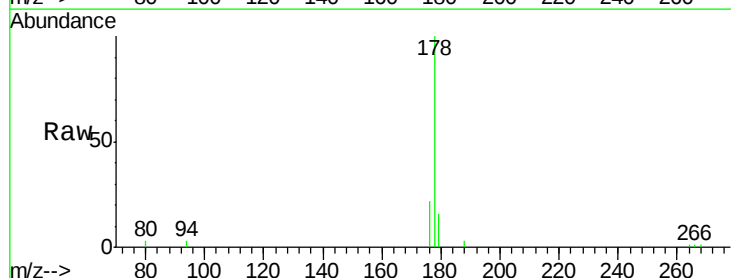
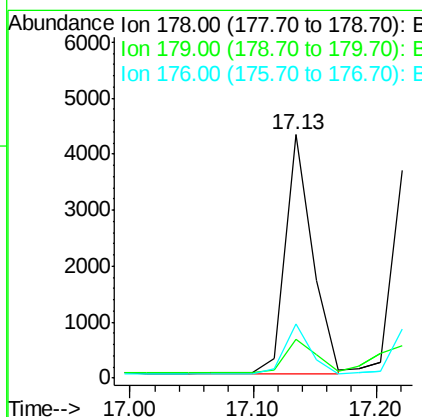
RT: 17.13 min Scan# 2422

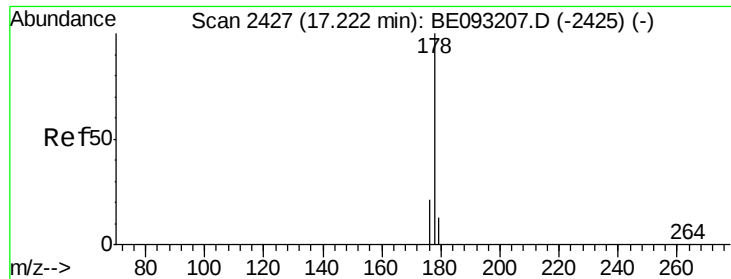
Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Tgt Ion:	178	Resp:	6535
Ion Ratio	Lower	Upper	
178	100		
179	16.1	18.4	27.6#
176	22.0	13.6	20.4#





#13

Anthracene

Concen: 0.184 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

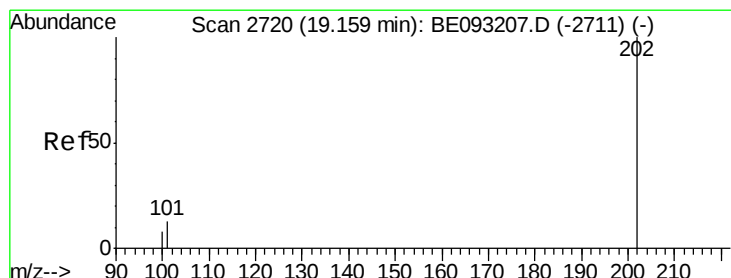
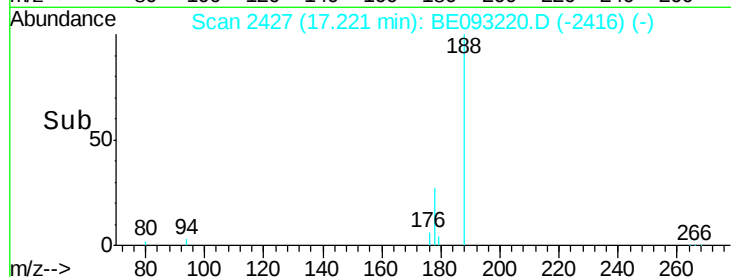
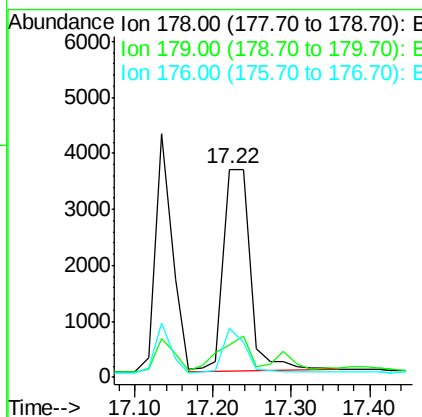
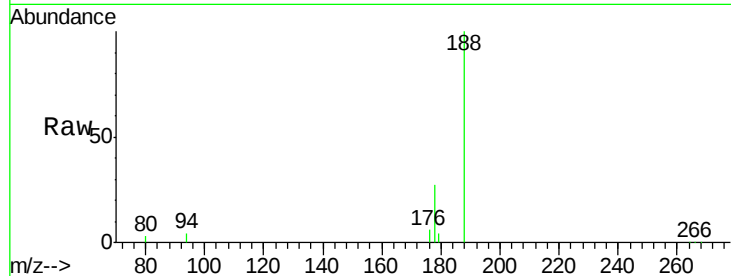
ClientSampleId :

F5D54DL

Tgt Ion:	178	Resp:	8571
Ion Ratio	Lower	Upper	
178	100		
179	15.7	18.1	27.1#
176	23.7	14.7	22.1#

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#15

Fluoranthene

Concen: 0.834 ng/ul

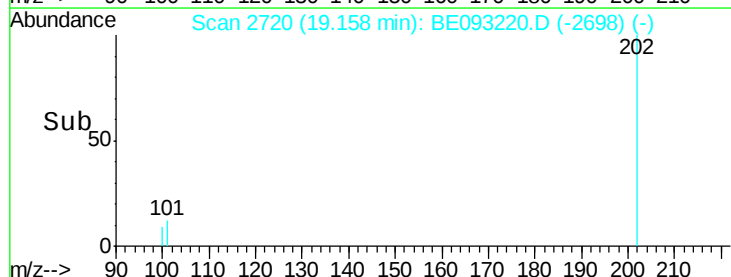
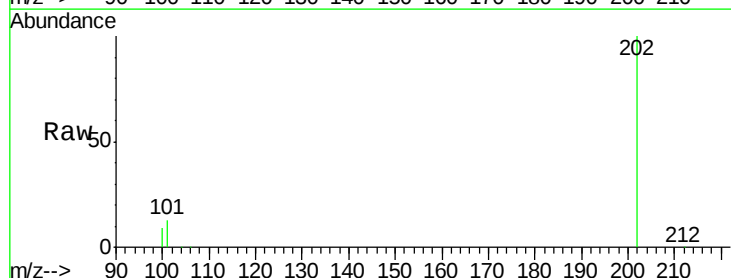
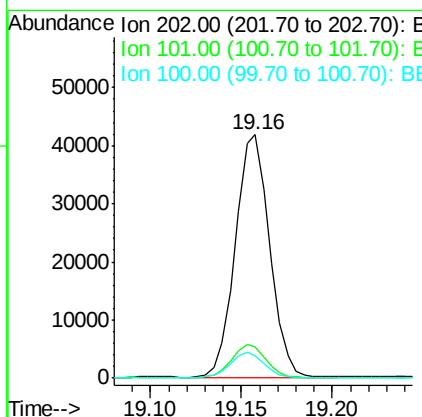
RT: 19.16 min Scan# 2720

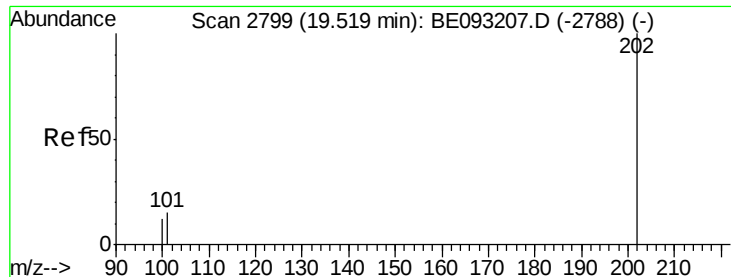
Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Tgt Ion:	202	Resp:	54715
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	30.3
100	9.2	0.0	39.5





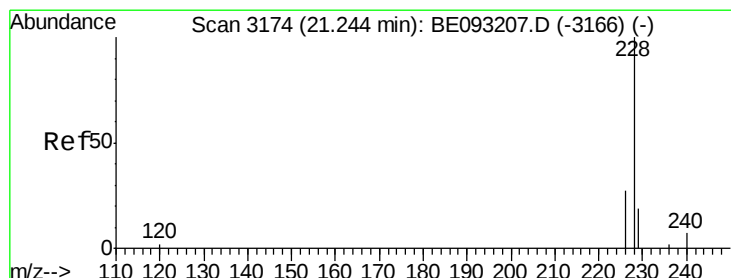
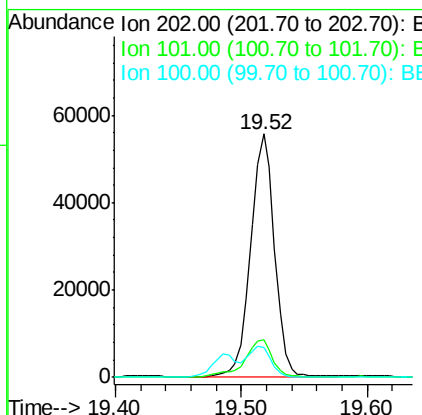
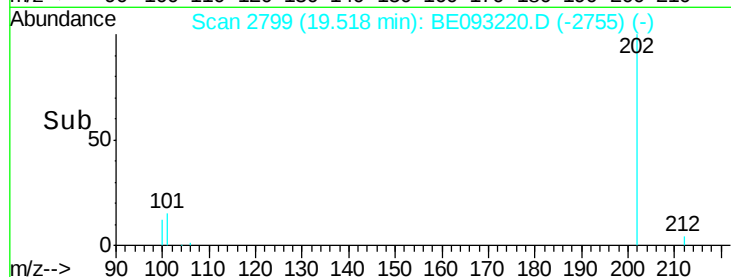
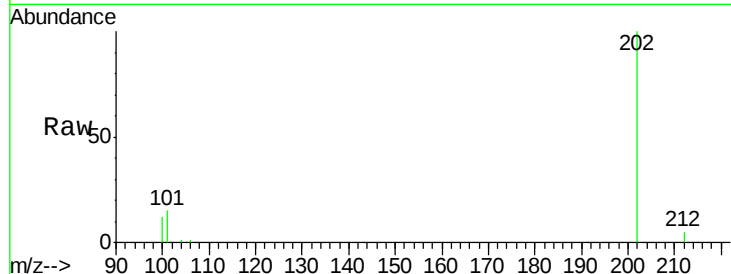
#17
Pyrene
Concen: 1.222 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BE093220.D
Acq: 15 Jun 2017 22:22

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.3	18.2	27.4#
100	12.3	15.6	23.4#

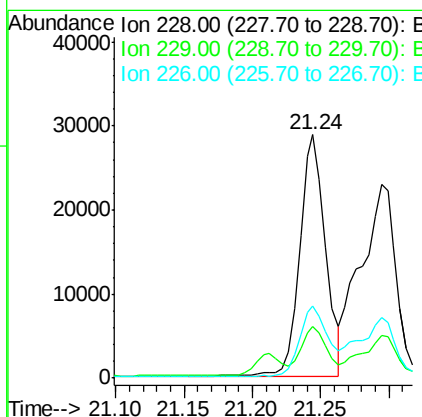
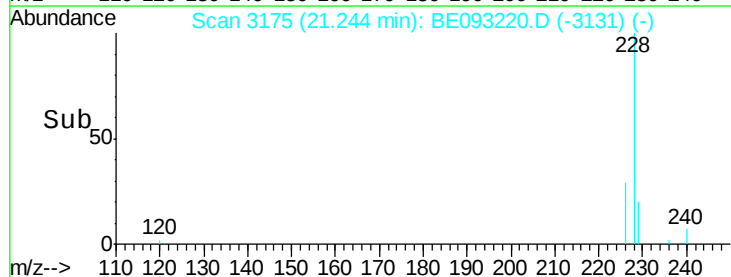
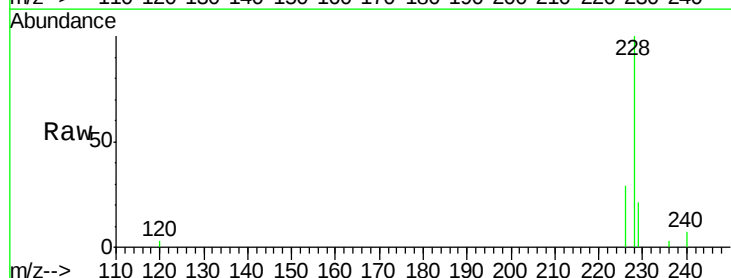
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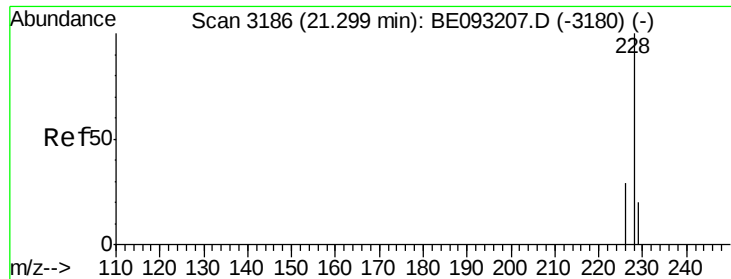
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#18
Benzo(a)anthracene
Concen: 0.696 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE093220.D
Acq: 15 Jun 2017 22:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.1	22.8	34.2#
226	29.4	17.0	25.6#





#19

Chrysene

Concen: 0.740 ng/ul

RT: 21.29 min Scan# 3186

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

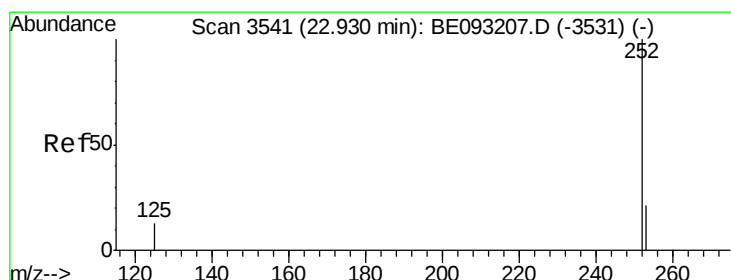
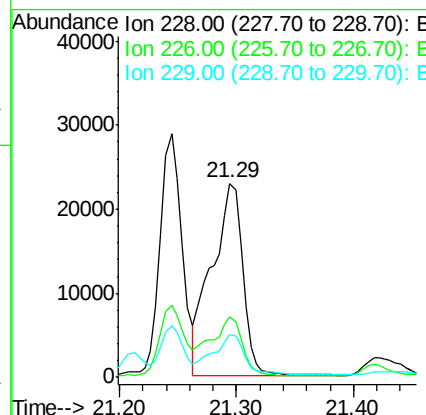
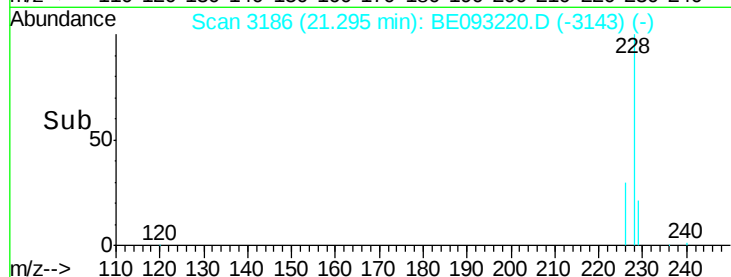
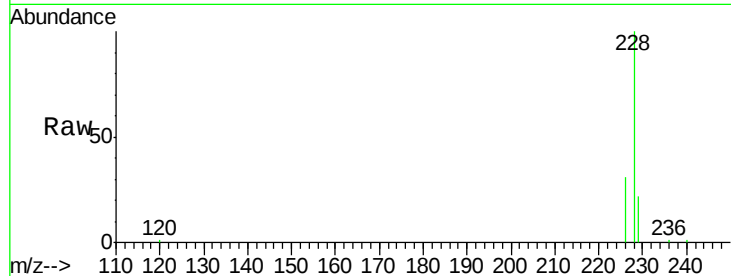
ClientSampleId :

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Tgt Ion:	228	Resp:	42097
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.0
229	21.9	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 1.384 ng/ul m

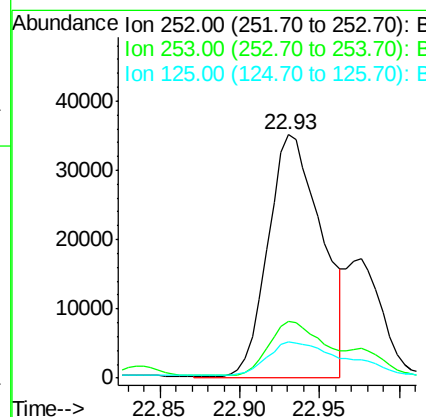
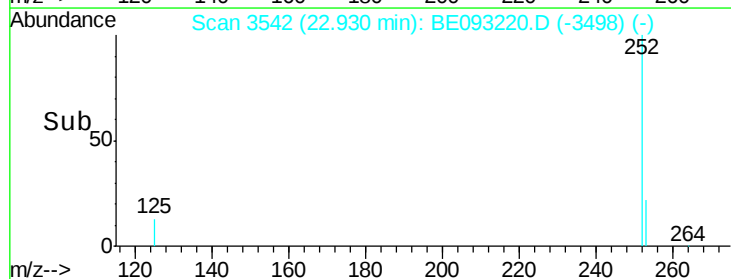
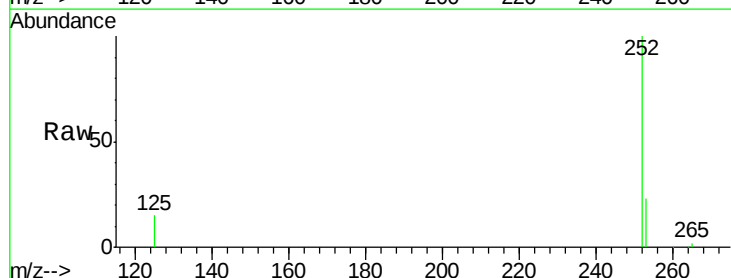
RT: 22.93 min Scan# 3542

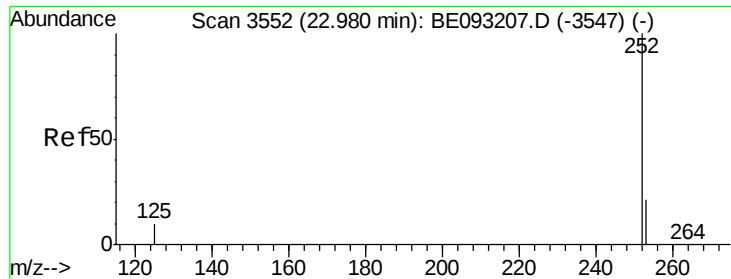
Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Tgt Ion:	252	Resp:	82478
Ion Ratio	Lower	Upper	
252	100		
253	23.1	0.0	64.2
125	14.7	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.453 ng/ul m

RT: 22.98 min Scan# 3552

Delta R.T. -0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Instrument :

BNA_E

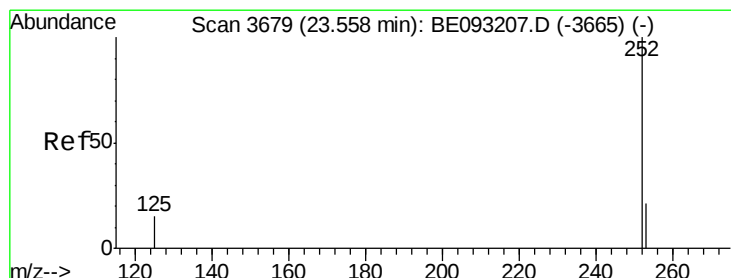
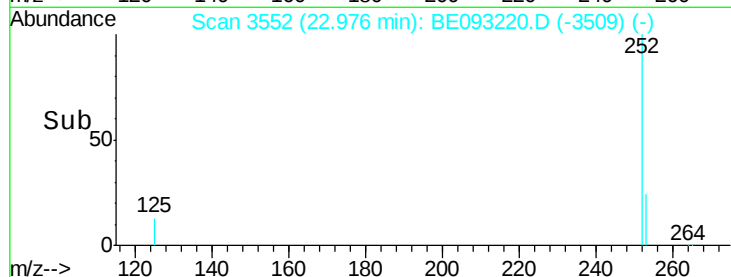
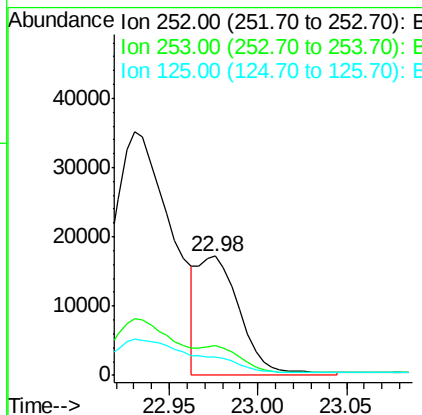
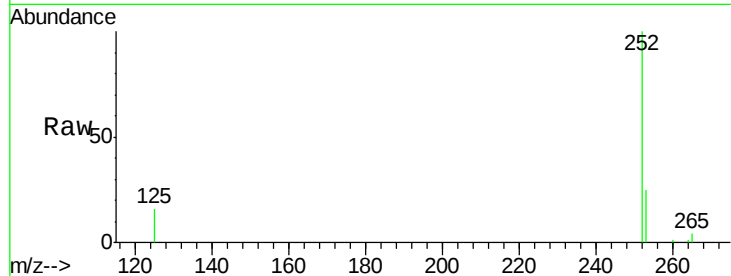
ClientSampleId :

F5D54DL

Tgt Ion:	252	Resp:	28649
Ion Ratio	Lower	Upper	
252	100		
253	25.0	24.5	36.7
125	15.7	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 0.758 ng/ul

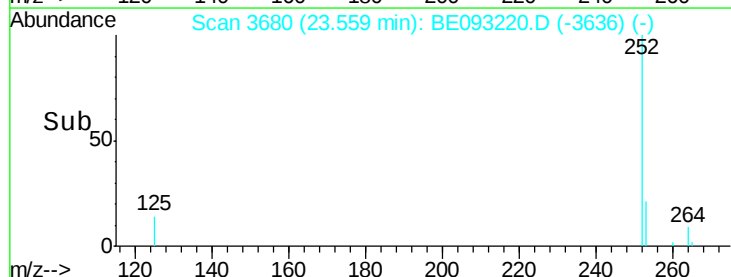
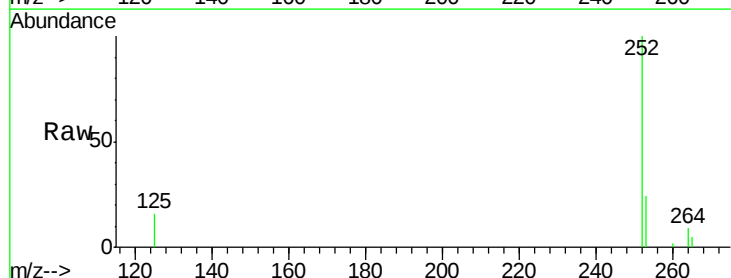
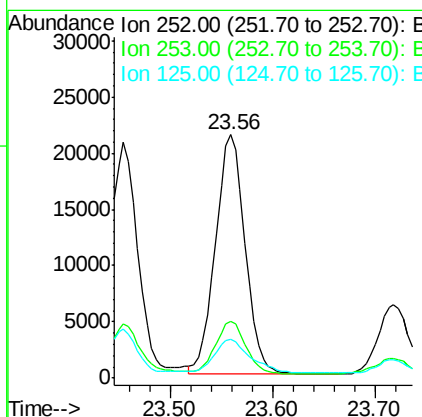
RT: 23.56 min Scan# 3680

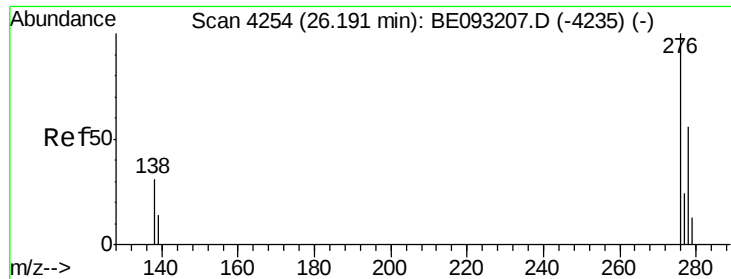
Delta R.T. 0.00 min

Lab File: BE093220.D

Acq: 15 Jun 2017 22:22

Tgt Ion:	252	Resp:	42718
Ion Ratio	Lower	Upper	
252	100		
253	23.5	28.5	42.7#
125	16.2	18.1	27.1#





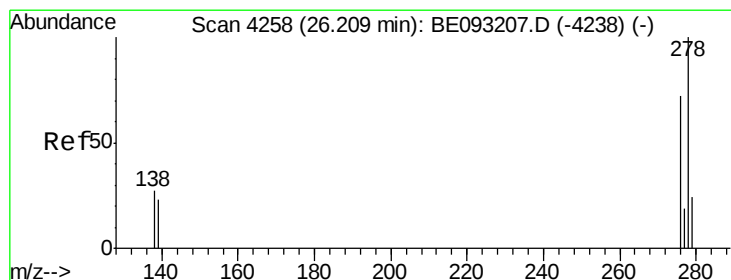
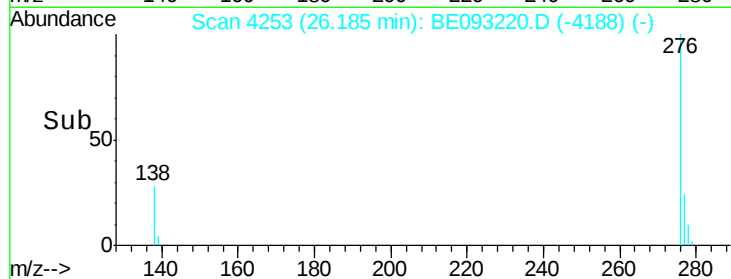
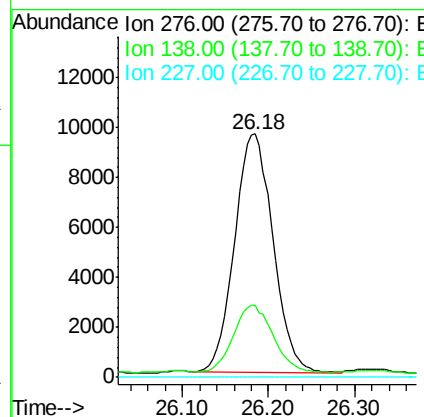
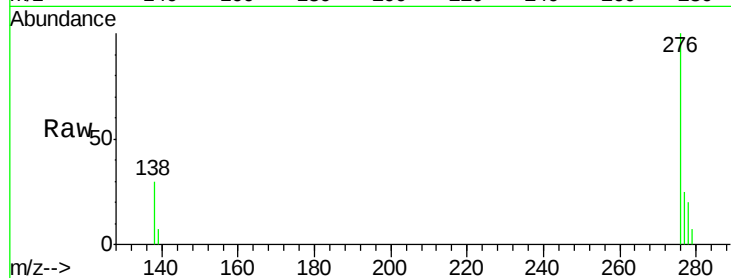
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.455 ng/ul
RT: 26.18 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093220.D
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Instrument :
BNA_E
ClientSampleId :
F5D54DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.8	28.0	42.0
227	0.0	8.0	12.0

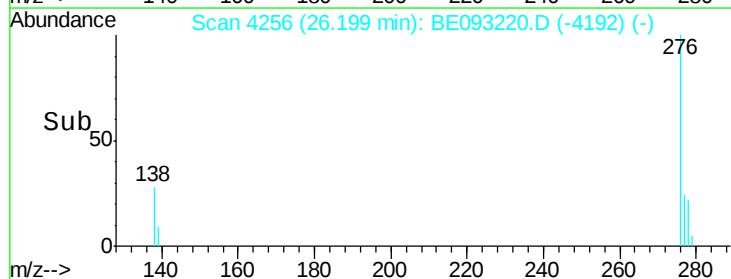
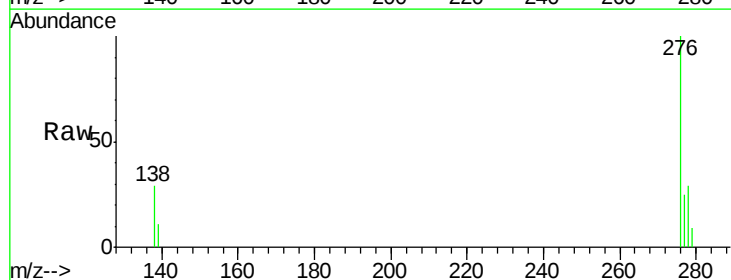
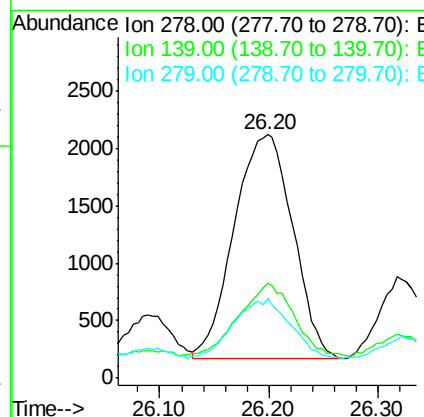
Manual Integrations
APPROVED

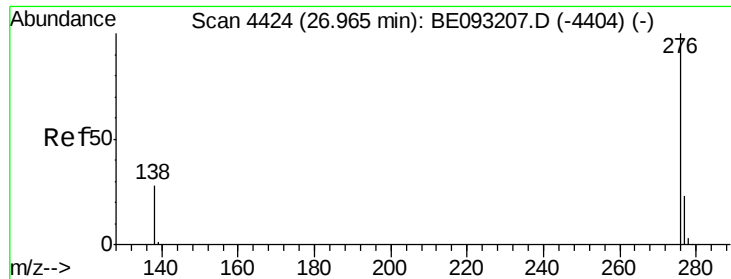
mohammad
6/19/2017 11:06:53 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.133 ng/ul
RT: 26.20 min Scan# 4256
Delta R.T. -0.01 min
Lab File: BE093220.D
Acq: 15 Jun 2017 22:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	38.9	17.4	26.0
279	32.6	25.9	38.9





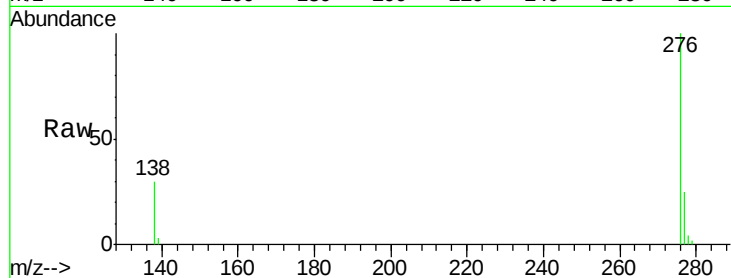
#26
 Benzo(g,h,i)perylene
 Concen: 0.440 ng/ul
 RT: 26.96 min Scan# 4423
 Delta R.T. -0.01 min
 Lab File: BE093220.D
 Acq: 15 Jun 2017 22:22

Instrument :
 BNA_E
 ClientSampleId :
 F5D54DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	30.3	21.8	32.8
277	25.1	20.5	30.7

Manual Integrations
 APPROVED

mohammad
 6/19/2017 11:06:53 AM



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

