

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093840.D
 Acq On : 16 Aug 2017 14:44
 Operator : SJ/JU
 Sample : I4672-19
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG7

Manual Integrations
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Quant Time: Aug 17 02:21:18 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 00:58:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2180	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11464	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7360	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	15760	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	16010	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	16427m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	4640	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	12284	0.25	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.75	128	35127	1.260	ng/ul#	91
5) 2-Methylnaphthalene	12.36	142	24812	1.220	ng/ul	98
7) Acenaphthylene	14.24	152	46648	1.515	ng/ul	97
8) Acenaphthene	14.58	153	12493	0.516	ng/ul	97
9) Fluorene	15.57	166	25442	0.831	ng/ul	94
12) Phenanthrene	17.29	178	765519	17.836	ng/ul#	90
13) Anthracene	17.38	178	95694	2.289	ng/ul#	91
15) Fluoranthene	19.30	202	1160285	21.617	ng/ul	84
17) Pyrene	19.67	202	1023206	21.895	ng/ul#	82
18) Benzo(a)anthracene	21.39	228	433288	9.335	ng/ul#	86
19) Chrysene	21.45	228	499661	11.223	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	559942	11.019	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	240035m	4.790	ng/ul	
23) Benzo(a)pyrene	23.80	252	415306m	8.592	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.56	276	262224m	4.914	ng/ul	
25) Dibenzo(a,h)anthracene	26.56	278	66088m	1.482	ng/ul	
26) Benzo(a,h,i)perylene	27.37	276	228377m	5.079	ng/ul	

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

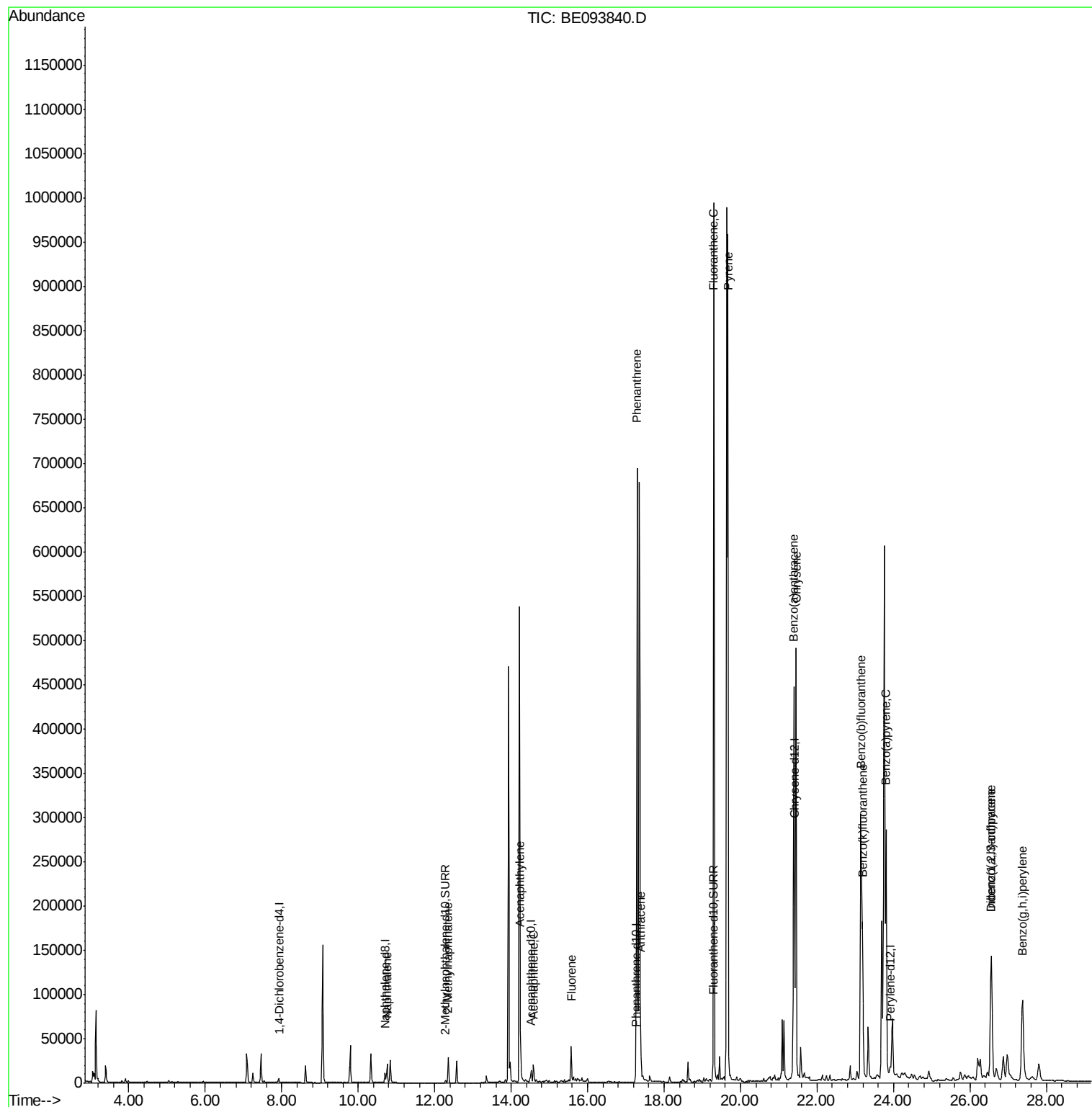
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
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ALS Vial : 9 Sample Multiplier: 1

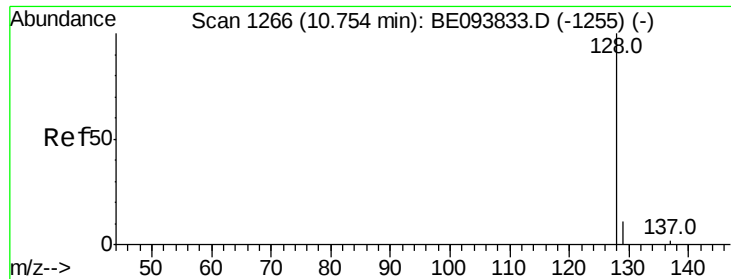
Instrument :
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#3

Naphthalene

Concen: 1.260 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Instrument :

BNA_E

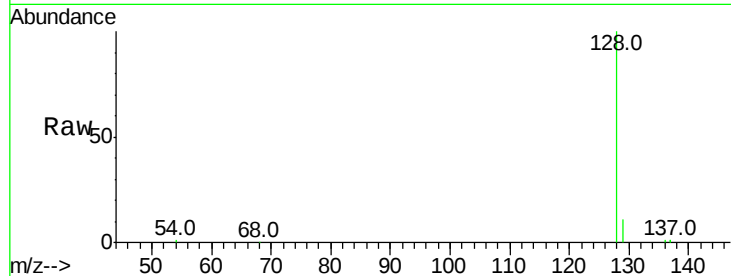
ClientSampled :

C0AG7

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.3	16.9
127	0.0	4.0	6.0

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Abundance

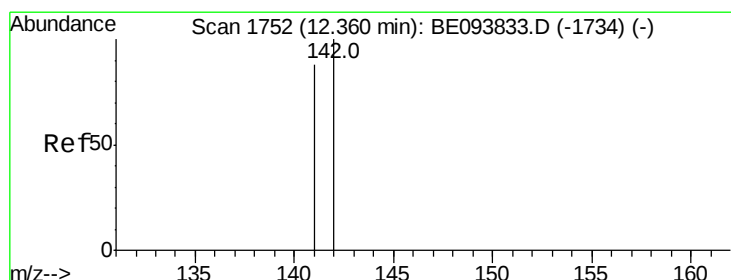
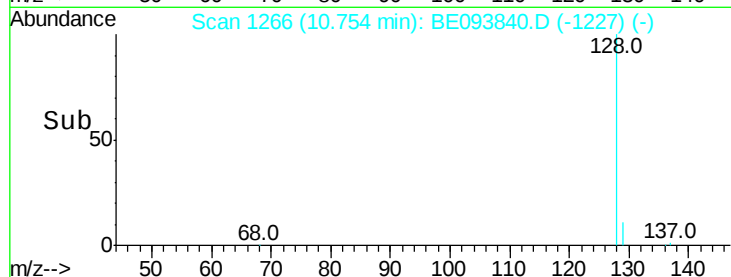
Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.75

Time-->



#5

2-Methylnaphthalene

Concen: 1.220 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.6	108.8

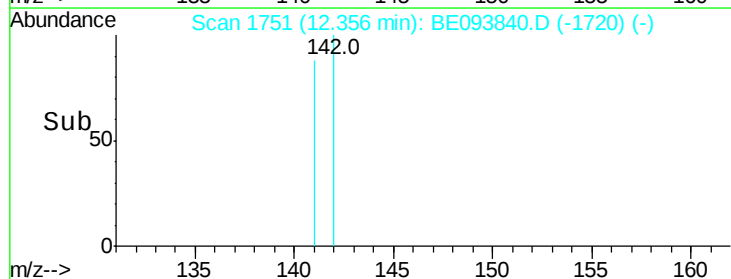
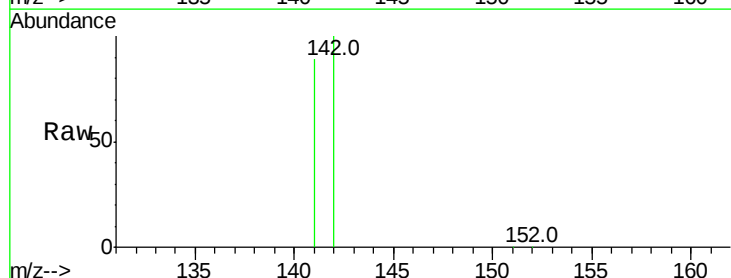
Abundance

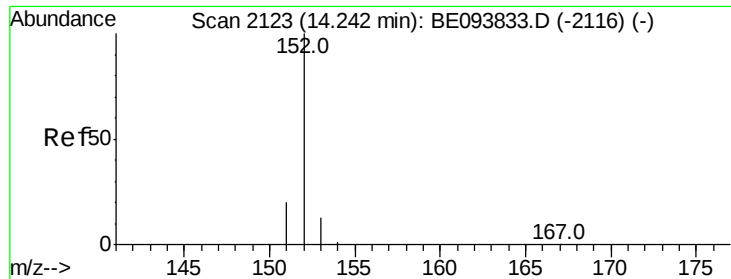
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.36

Time-->





#7

Acenaphthylene

Concen: 1.515 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Instrument :

BNA_E

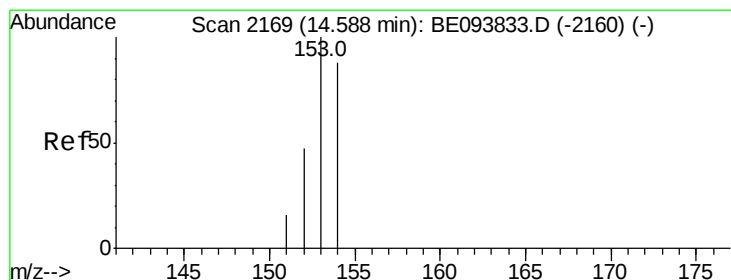
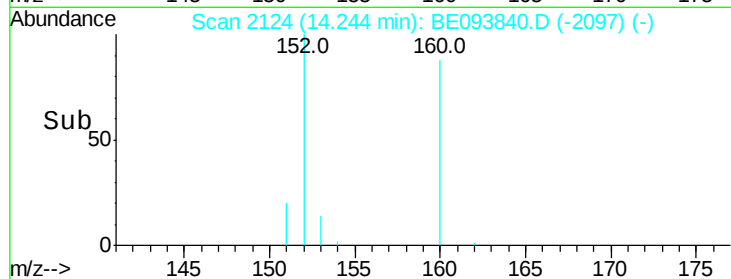
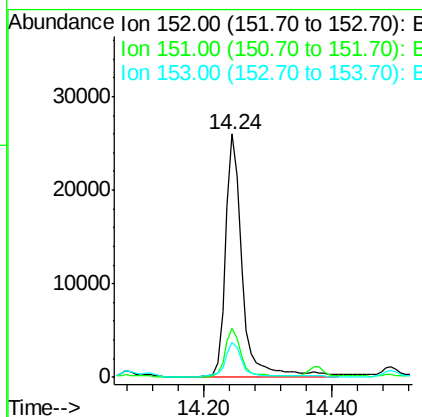
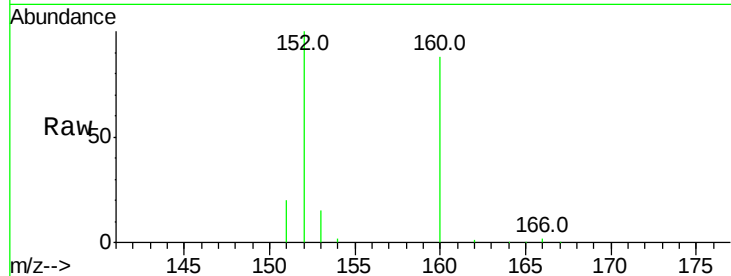
ClientSampleId :

C0AG7

Tot Ion:	152	Resp:	46648
Ion Ratio	Lower	Upper	
152	100		
151	20.1	17.1	25.7
153	14.6	12.8	19.2

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#8

Acenaphthene

Concen: 0.516 ng/ul

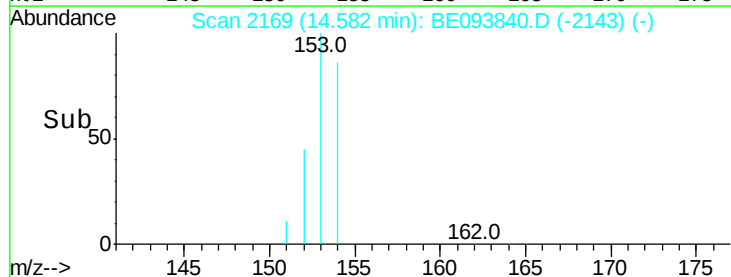
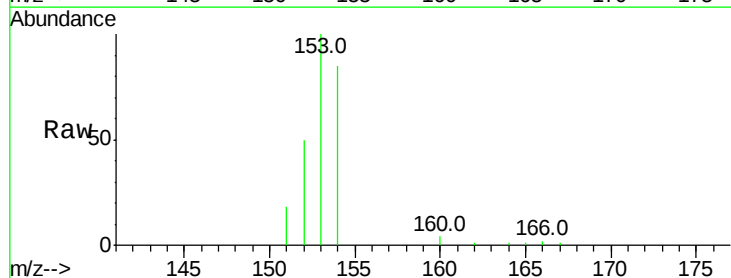
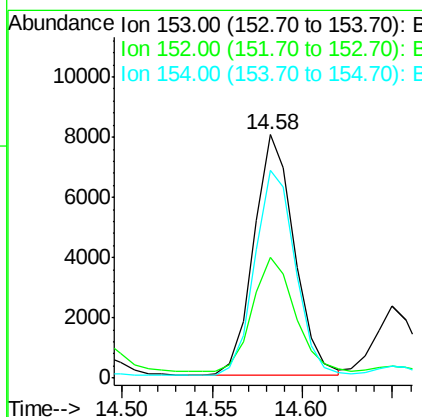
RT: 14.58 min Scan# 2169

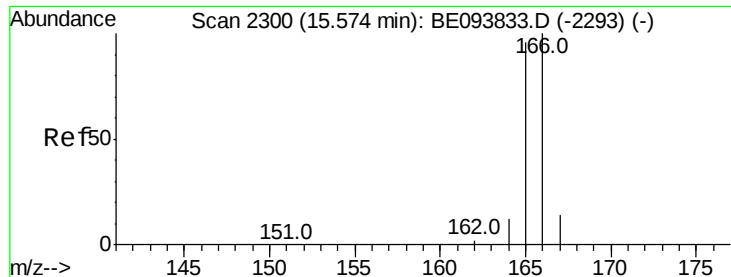
Delta R.T. -0.01 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Tgt Ion:	153	Resp:	12493
Ion Ratio	Lower	Upper	
153	100		
152	49.7	40.3	60.5
154	85.4	71.4	107.2





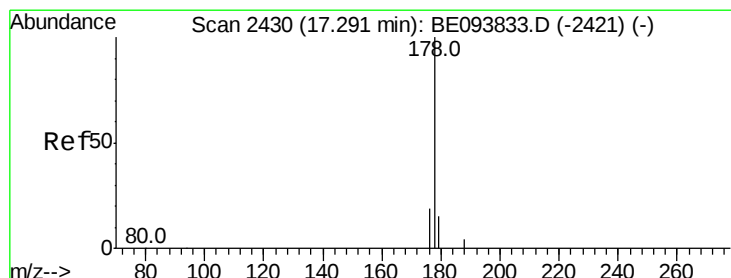
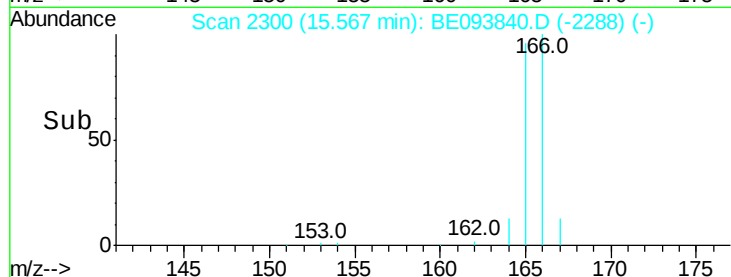
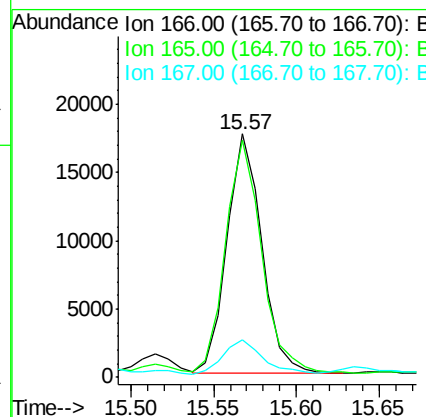
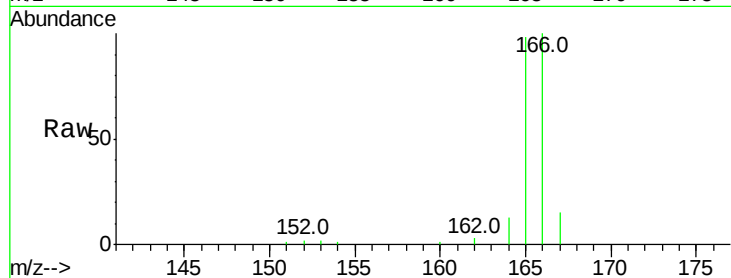
#9
Fluorene
Concen: 0.831 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BE093840.D
Acq: 16 Aug 2017 14:44

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	73.4	110.2
167	15.2	14.6	22.0

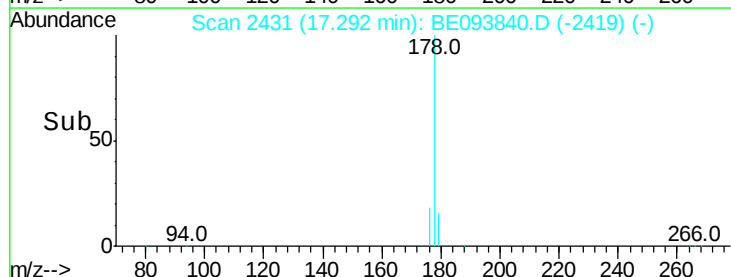
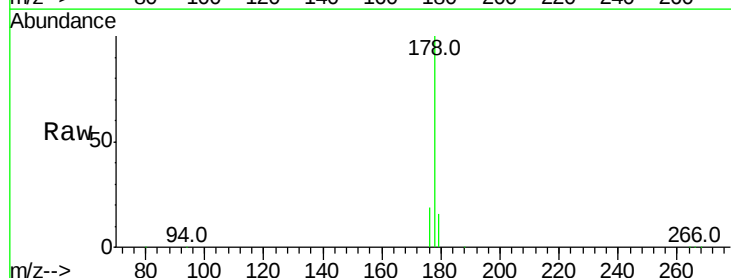
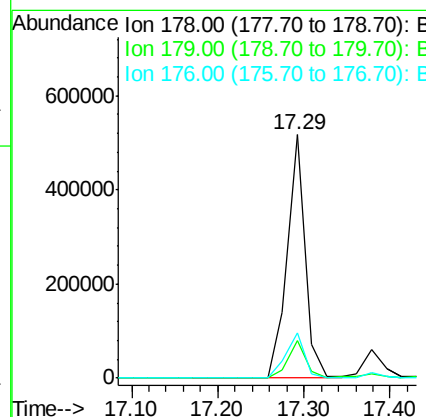
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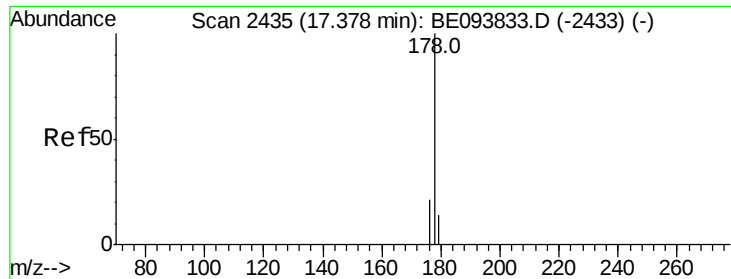
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#12
Phenanthrene
Concen: 17.836 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BE093840.D
Acq: 16 Aug 2017 14:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.4	27.6#
176	18.5	13.6	20.4





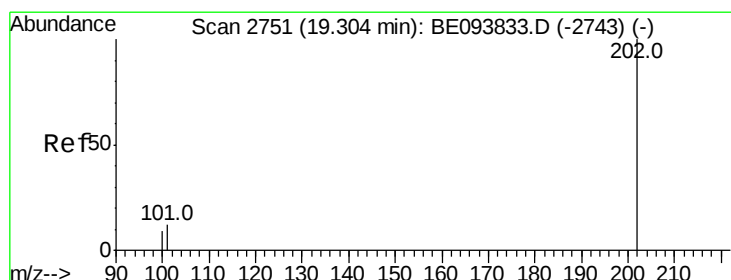
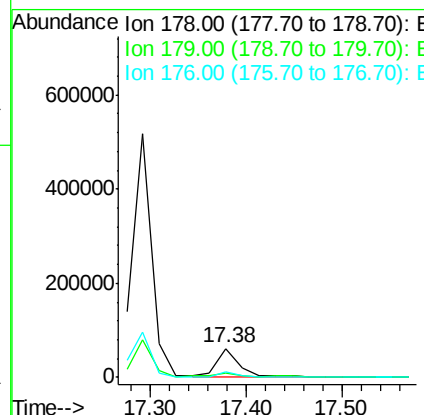
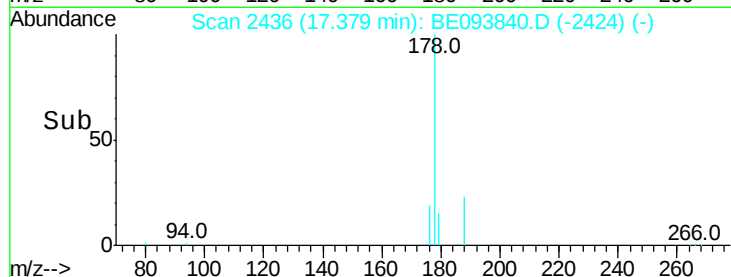
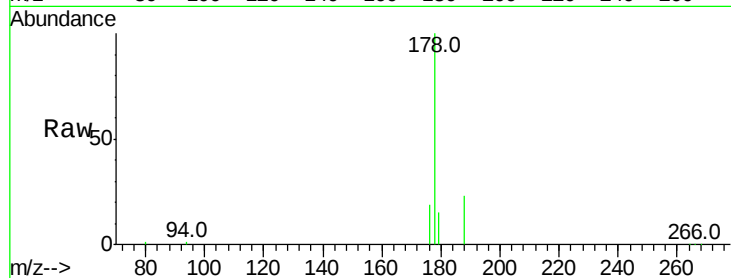
#13
 Anthracene
 Concen: 2.289 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: BE093840.D
 Acq: 16 Aug 2017 14:44

Instrument :
 BNA_E
 ClientSampleId :
 C0AG7

Tot Ion:178 Resp: 95694
 Ion Ratio Lower Upper
 178 100
 179 15.2 18.1 27.1#
 176 19.1 14.7 22.1

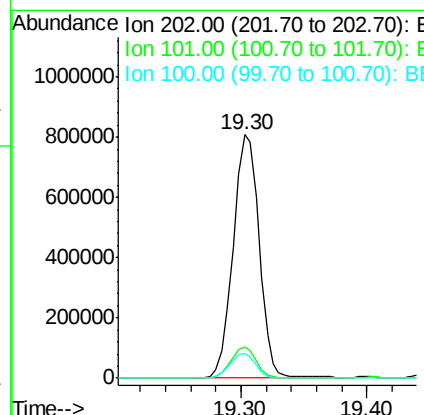
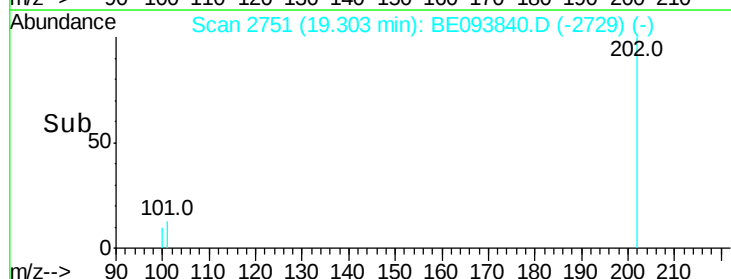
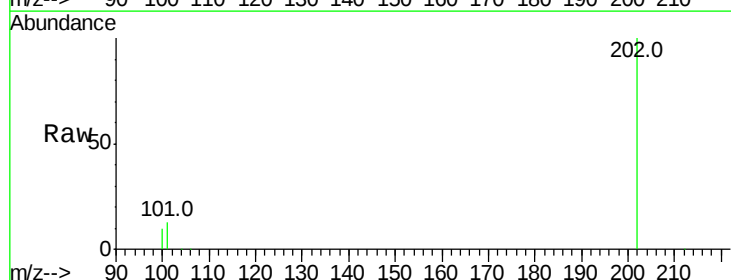
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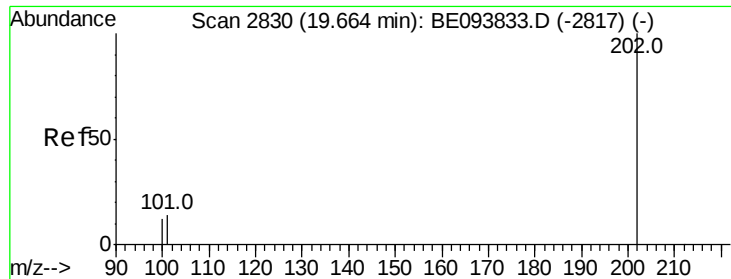
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#15
 Fluoranthene
 Concen: 21.617 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BE093840.D
 Acq: 16 Aug 2017 14:44

Tgt Ion:202 Resp: 1160285
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 30.3
 100 10.2 0.0 39.5





#17

Pvrene

Concen: 21.895 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Instrument :

BNA_E

ClientSampleId :

C0AG7

Tot Ion:202 Resp: 1023206

Ion Ratio Lower Upper

202 100

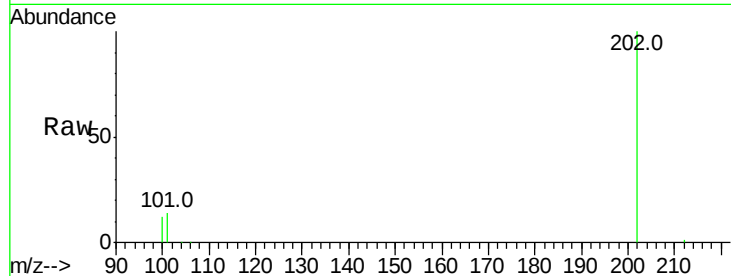
101 13.9 18.2 27.4#

100 11.6 15.6 23.4#

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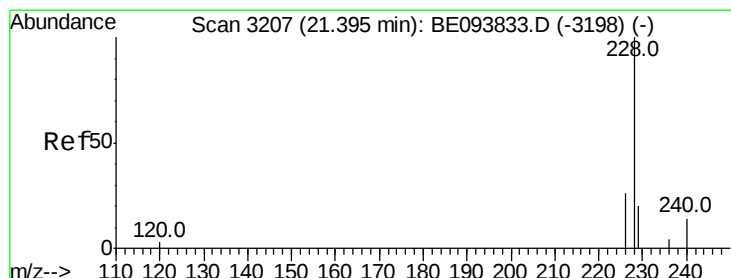
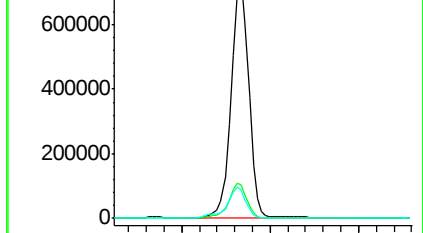
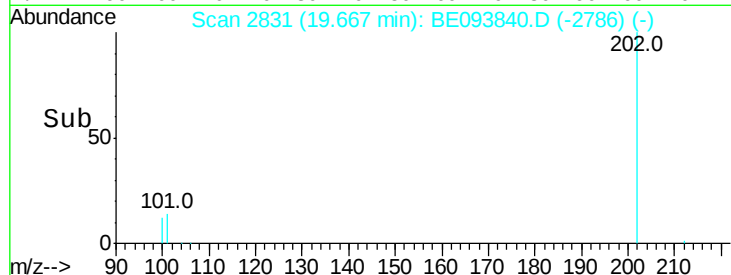


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time--> 19.60 19.70 19.80



#18

Benzo(a)anthracene

Concen: 9.335 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

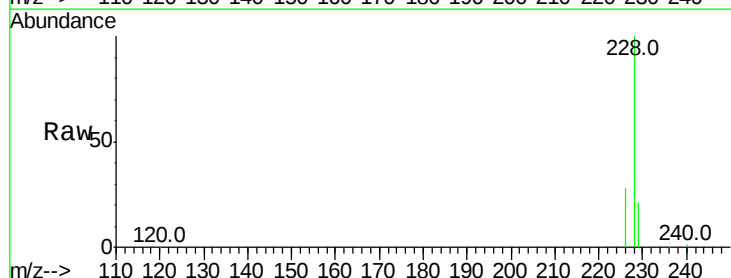
Tgt Ion:228 Resp: 433288

Ion Ratio Lower Upper

228 100

229 21.2 22.8 34.2#

226 28.0 17.0 25.6#

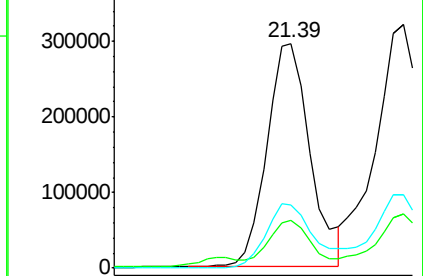
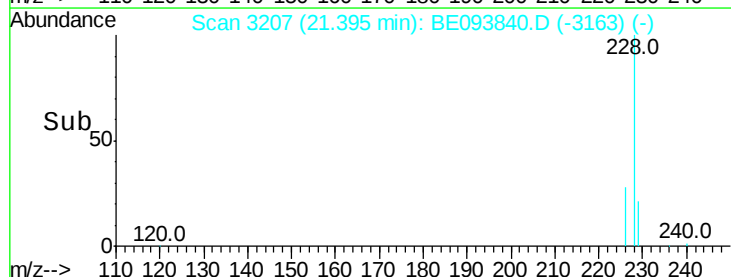


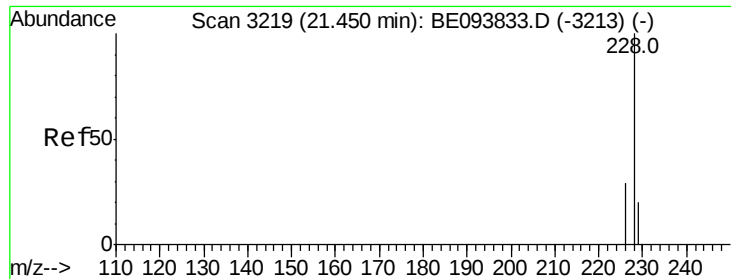
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time--> 21.35 21.40





#19

Chrysene

Concen: 11.223 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Instrument :

BNA_E

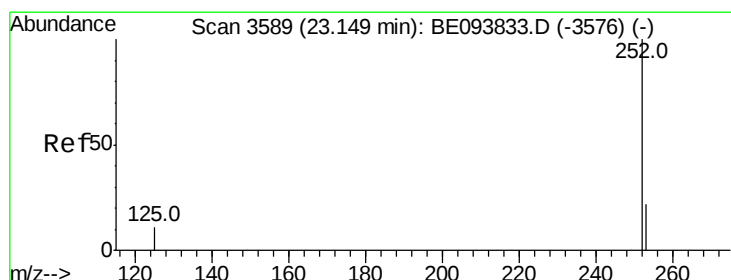
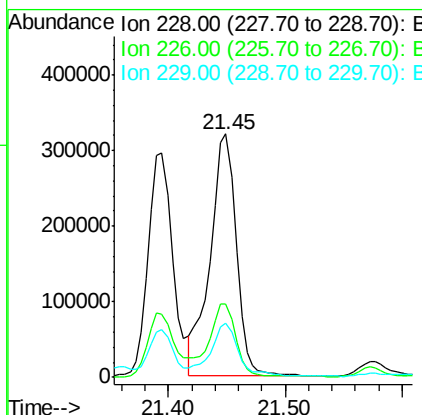
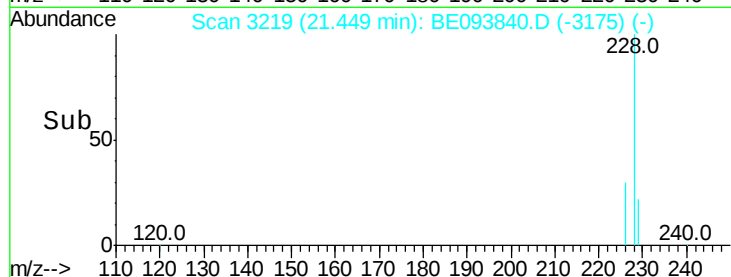
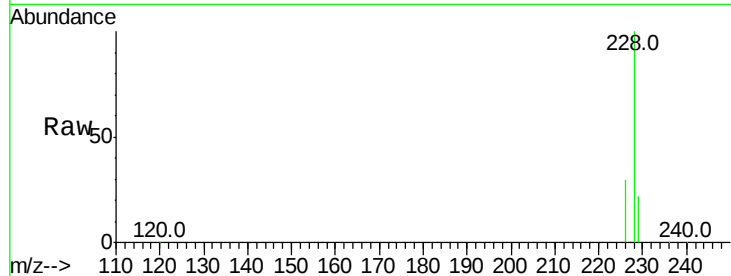
ClientSampleId :

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Tot Ion:	228	Resp:	499661
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.4	35.0
229	22.1	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 11.019 ng/ul

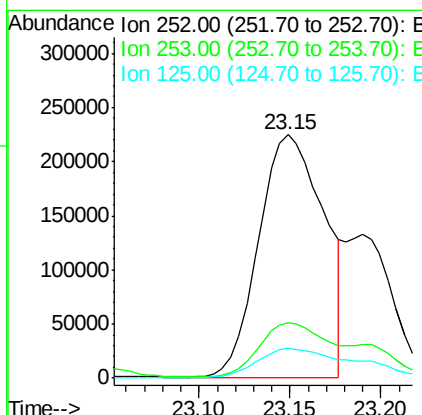
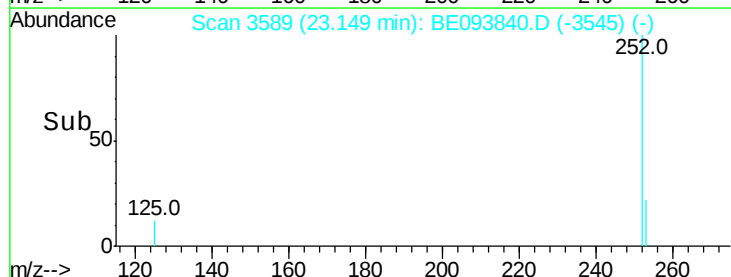
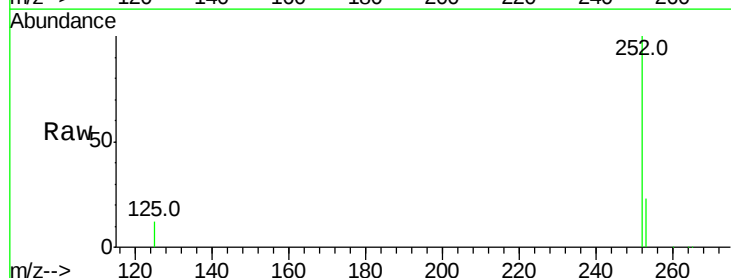
RT: 23.15 min Scan# 3589

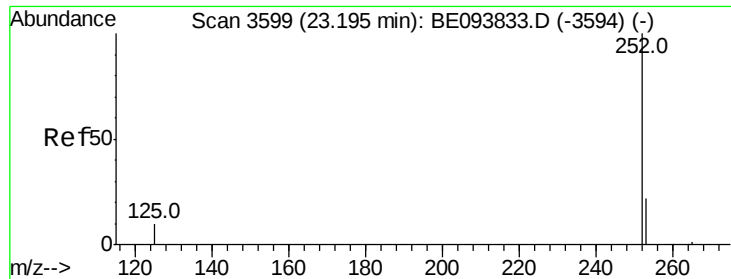
Delta R.T. -0.00 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Tgt Ion:	252	Resp:	559942
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	64.2
125	12.2	0.0	35.0





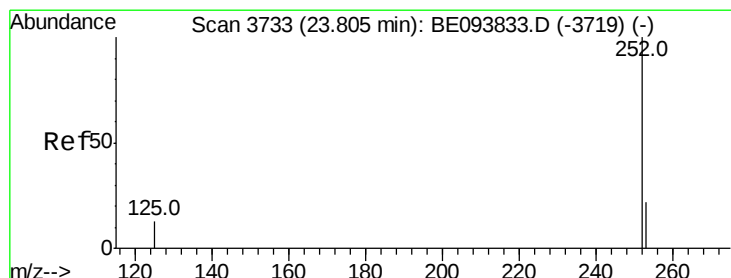
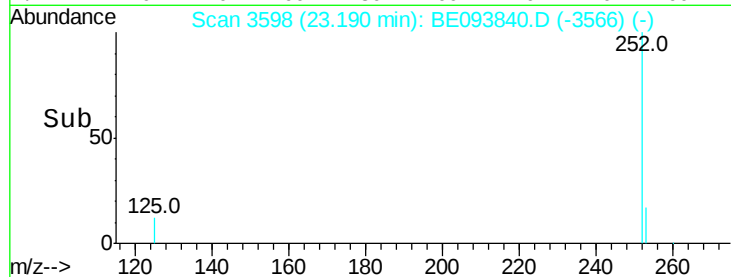
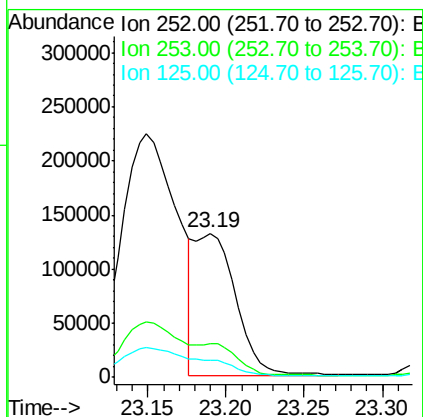
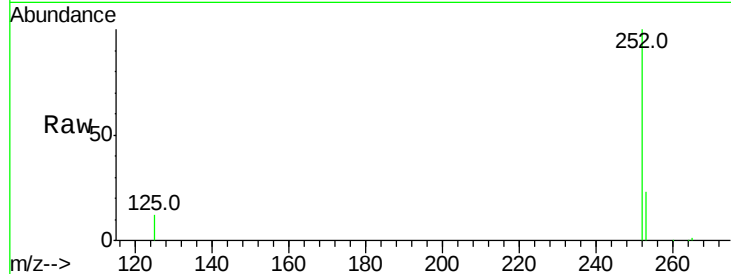
#22
Benzo(k)fluoranthene
Concen: 4.790 ng/ul m
RT: 23.19 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BE093840.D
Acq: 16 Aug 2017 14:44

Instrument :
BNA_E
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C0AG7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	24.5	36.7#
125	12.2	13.7	20.5#

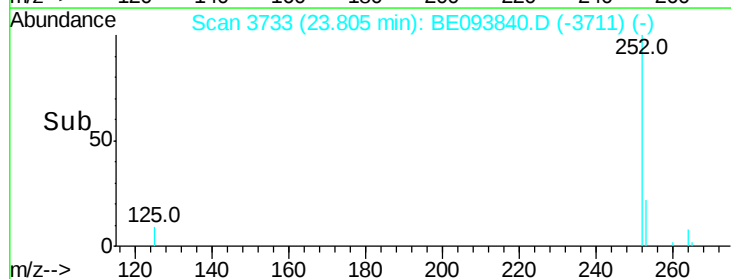
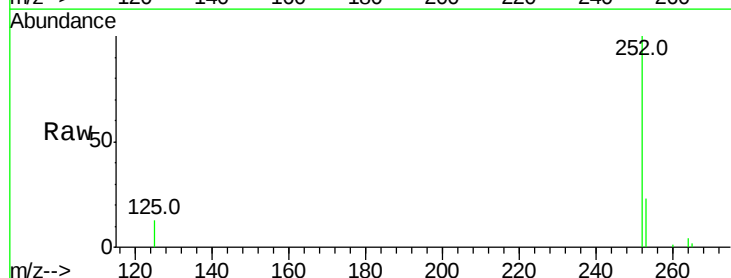
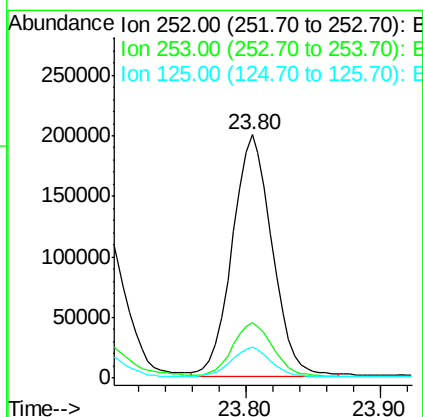
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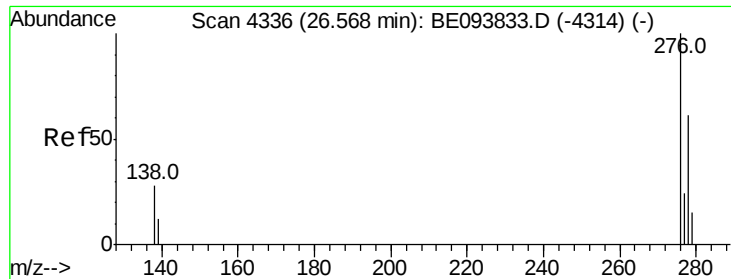
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#23
Benzo(a)pyrene
Concen: 8.592 ng/ul m
RT: 23.80 min Scan# 3733
Delta R.T. -0.00 min
Lab File: BE093840.D
Acq: 16 Aug 2017 14:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	28.5	42.7#
125	12.6	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 4.914 ng/ul m

RT: 26.56 min Scan# 4333

Delta R.T. -0.01 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Instrument :

BNA_E

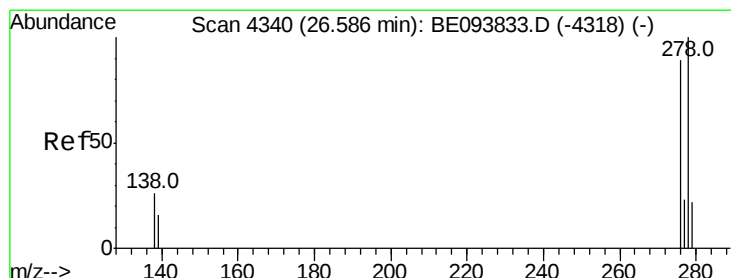
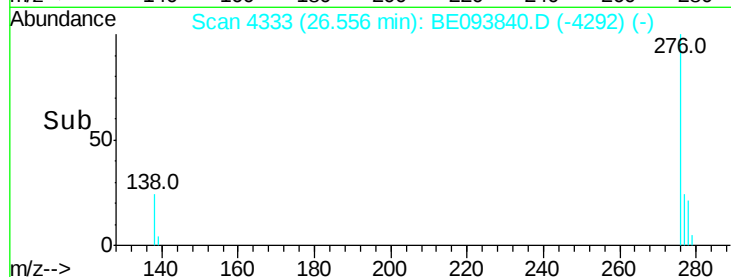
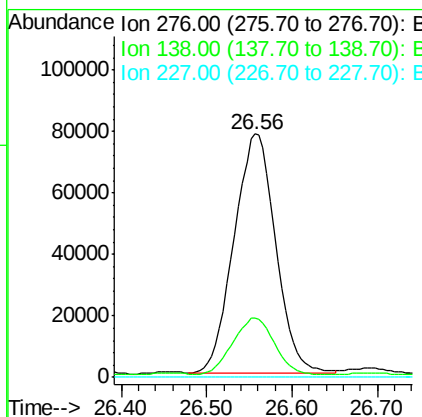
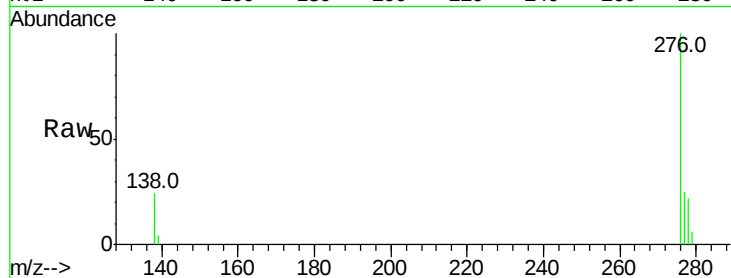
ClientSampled :

C0AG7

Tot Ion:	276	Resp:	262224
Ion Ratio	Lower	Upper	
276	100		
138	0.0	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
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#25

Dibenzo(a,h)anthracene

Concen: 1.482 ng/ul m

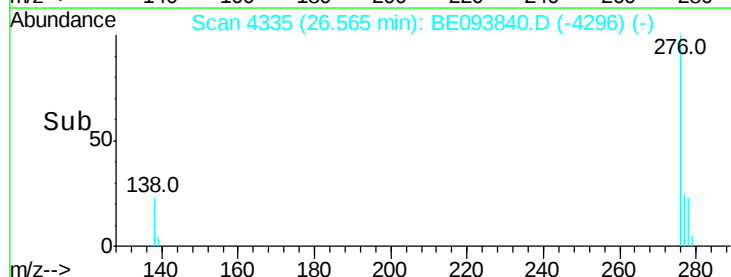
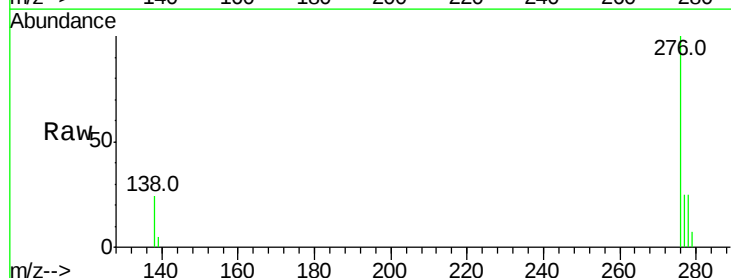
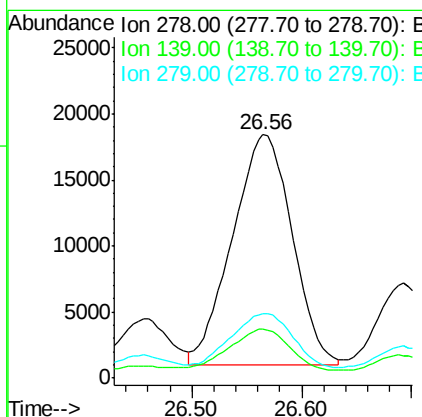
RT: 26.56 min Scan# 4335

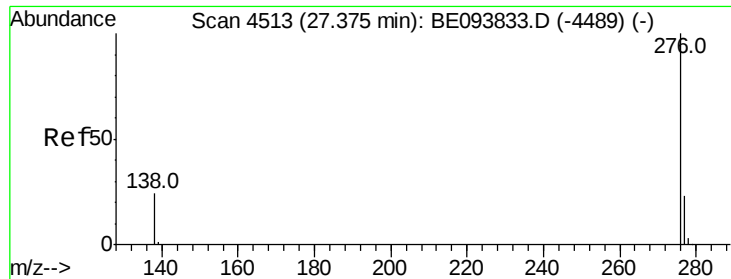
Delta R.T. -0.02 min

Lab File: BE093840.D

Acq: 16 Aug 2017 14:44

Tgt Ion:	278	Resp:	66088
Ion Ratio	Lower	Upper	
278	100		
139	20.4	17.4	26.0
279	26.6	25.9	38.9





#26
 Benzo(a,h,i)perylene
 Concen: 5.079 ng/ul m
 RT: 27.37 min Scan# 4512
 Delta R.T. -0.00 min
 Lab File: BE093840.D
 Acq: 16 Aug 2017 14:44

Instrument :
 BNA_E
 ClientSampleId :
 C0AG7

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	21.8	32.8
277	24.7	20.5	30.7

Manual Integrations
 APPROVED

Sohil
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