

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093797.D
 Acq On : 14 Aug 2017 21:21
 Operator : SJ/JU
 Sample : I4529-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA5

Manual Integrations
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Sohil
 8/21/2017 1:43:32 PM

Quant Time: Aug 15 19:19:06 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 10:51:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3144	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	15625	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	10738m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	22290m	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	19056	0.40	ng/ul	0.01
20) Perylene-d12	23.93	264	16340m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	12175m	0.48	ng/ul	0.00
14) Fluoranthene-d10	19.28	212	26635	0.38	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.75	128	116313	3.060	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	144399	5.208	ng/ul	99
7) Acenaphthylene	14.25	152	23992	0.534	ng/ul#	70
8) Acenaphthene	14.59	153	33723	0.954	ng/ul	96
9) Fluorene	15.57	166	173280	3.879	ng/ul	94
12) Phenanthrene	17.29	178	403326	6.644	ng/ul#	88
13) Anthracene	17.38	178	94836	1.604	ng/ul#	90
15) Fluoranthene	19.31	202	213241	2.809	ng/ul	83
17) Pyrene	19.67	202	255082	4.586	ng/ul#	85
18) Benzo(a)anthracene	21.40	228	78291	1.417	ng/ul#	80
19) Chrysene	21.45	228	81467	1.537	ng/ul#	82
21) Benzo(b)fluoranthene	23.16	252	61462	1.216	ng/ul	97
22) Benzo(k)fluoranthene	23.20	252	23040m	0.462	ng/ul	
23) Benzo(a)pyrene	23.81	252	56229m	1.170	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.57	276	26509m	0.499	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	7198m	0.162	ng/ul	
26) Benzo(g,h,i)perylene	27.38	276	20028m	0.448	ng/ul	

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

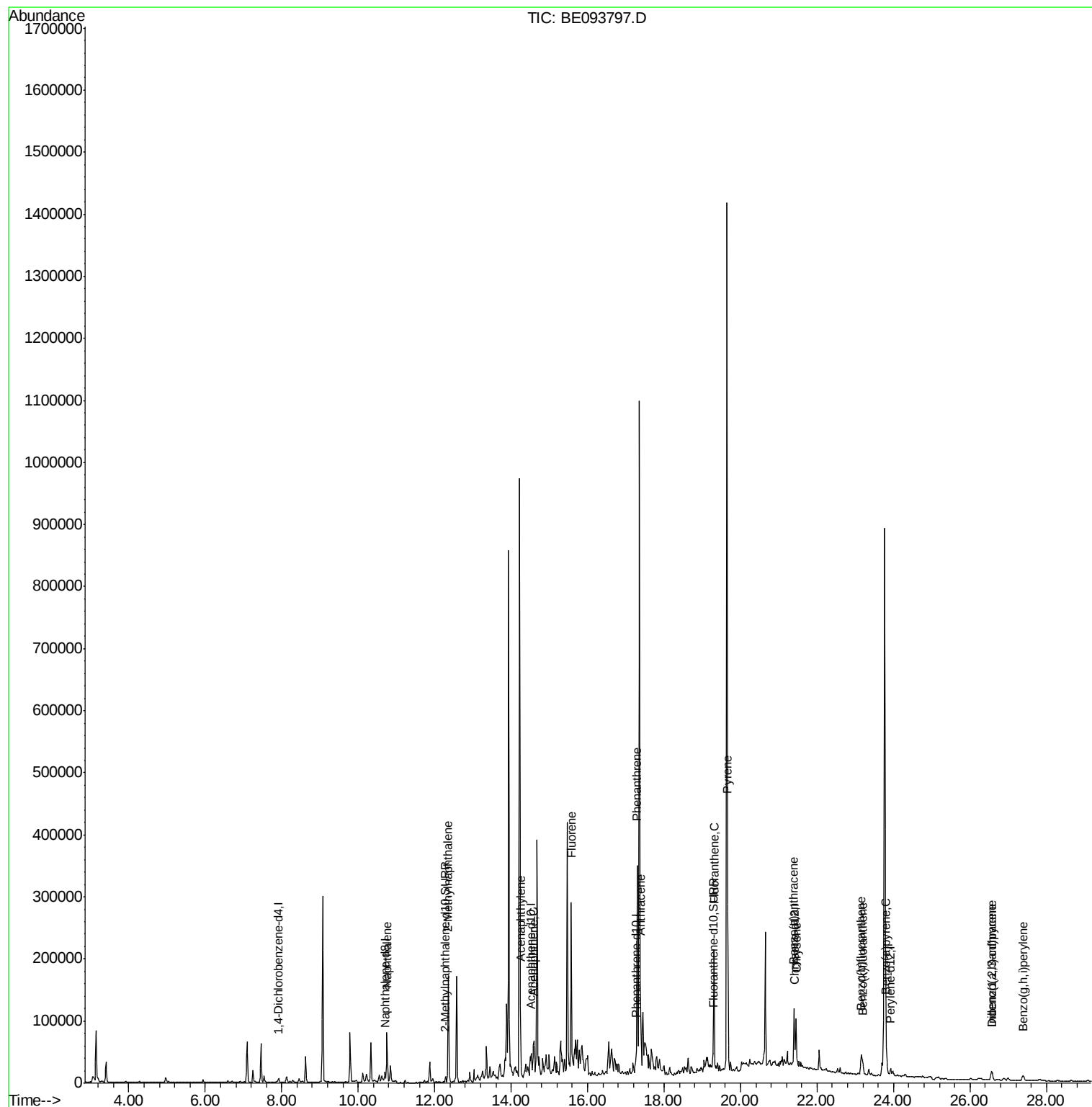
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
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ALS Vial : 15 Sample Multiplier: 1

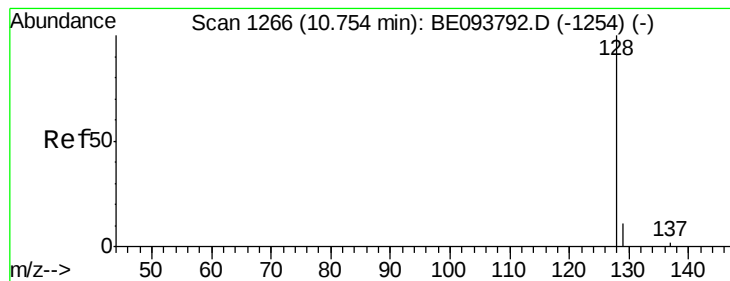
Instrument :
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C0AA5

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
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#3

Naphthalene

Concen: 3.060 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

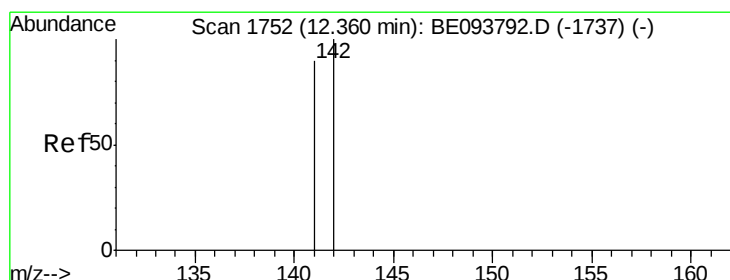
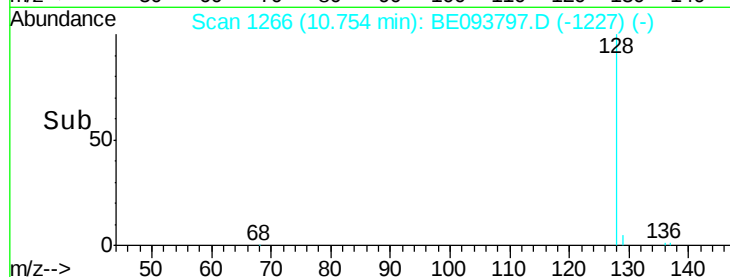
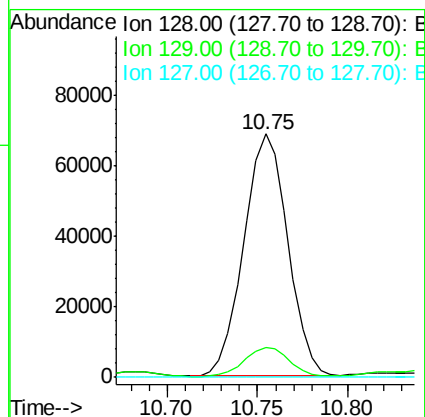
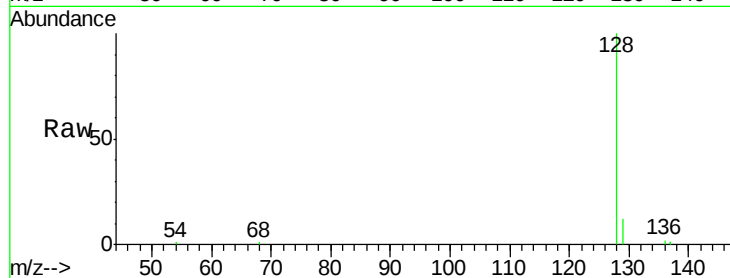
ClientSampled :

C0AA5

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	116313		
129	12.5	11.3	16.9	
127	0.0	4.0	6.0	

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#5

2-Methylnaphthalene

Concen: 5.208 ng/ul

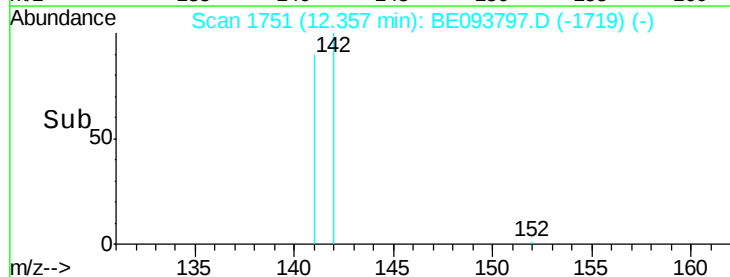
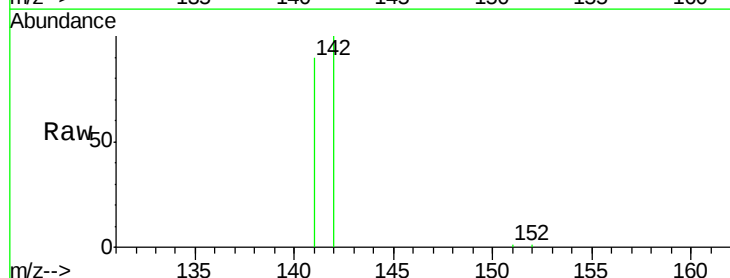
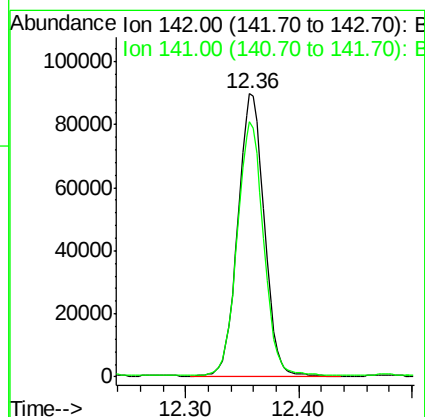
RT: 12.36 min Scan# 1751

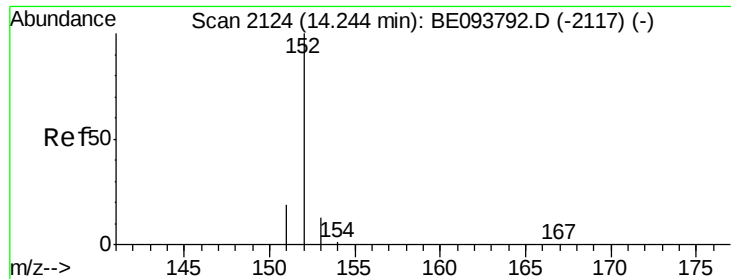
Delta R.T. -0.00 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	144399		
141	90.1	72.6	108.8	





#7

Acenaphthylene

Concen: 0.534 ng/ul

RT: 14.25 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BE093797.D

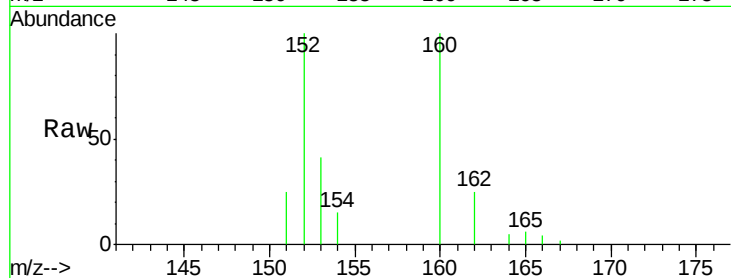
Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

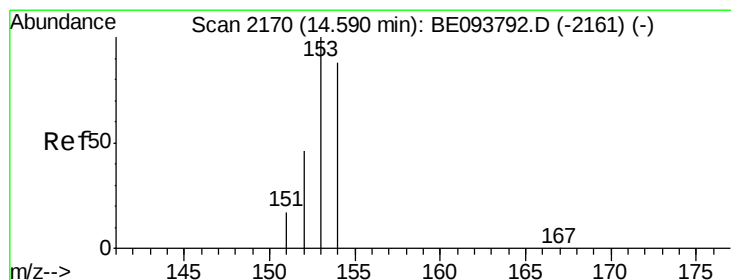
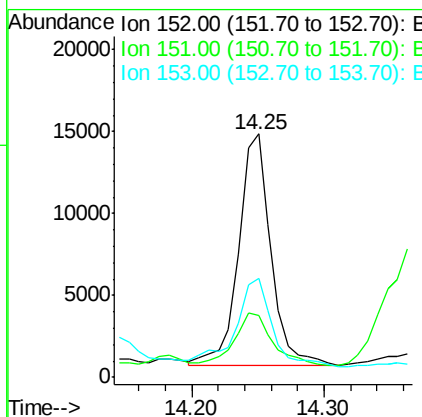
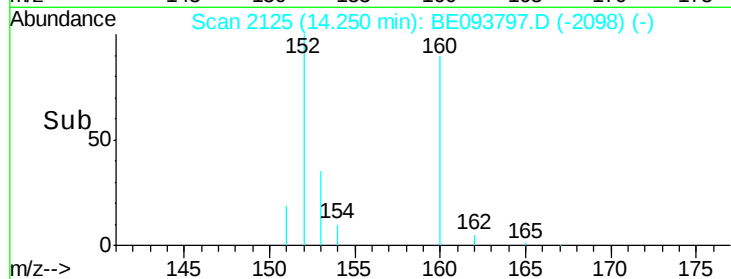
C0AA5



Tgt Ion:	152	Resp:	23992
Ion Ratio	Lower	Upper	
152	100		
151	25.4	17.1	25.7
153	40.7	12.8	19.2#

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#8

Acenaphthene

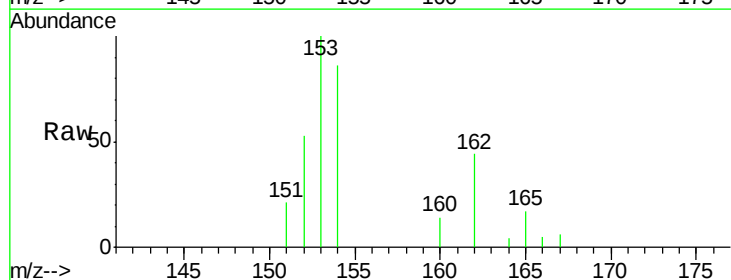
Concen: 0.954 ng/ul

RT: 14.59 min Scan# 2170

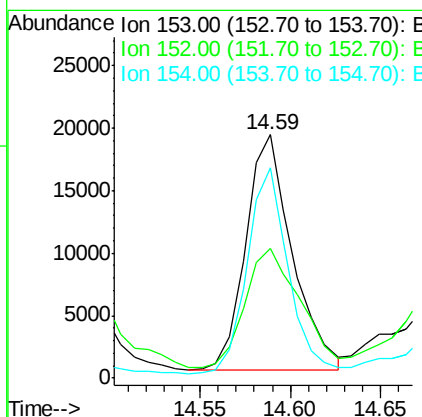
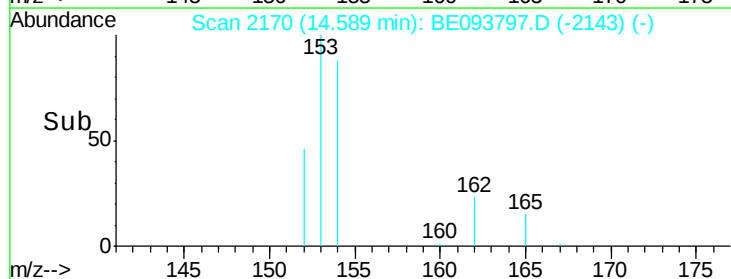
Delta R.T. 0.01 min

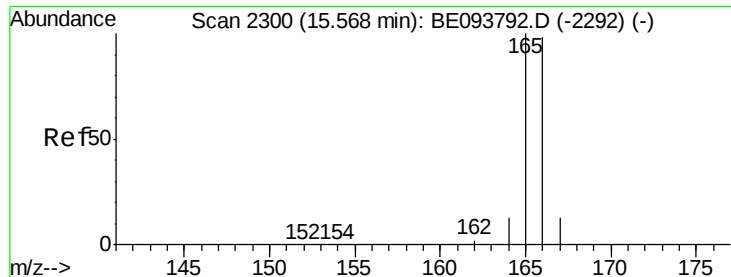
Lab File: BE093797.D

Acq: 14 Aug 2017 21:21



Tgt Ion:	153	Resp:	33723
Ion Ratio	Lower	Upper	
153	100		
152	53.3	40.3	60.5
154	86.2	71.4	107.2





#9

Fluorene

Concen: 3.879 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

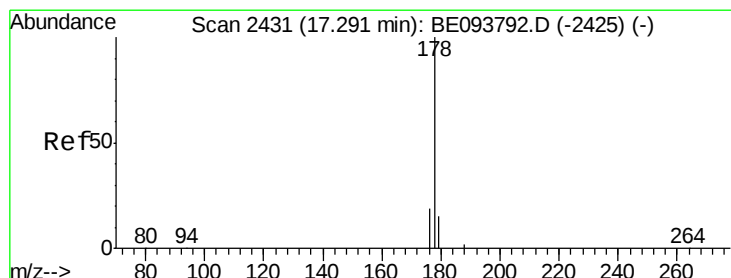
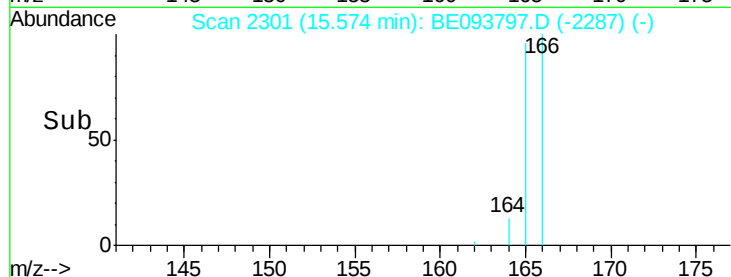
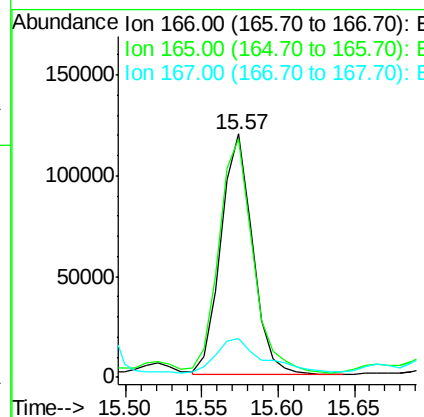
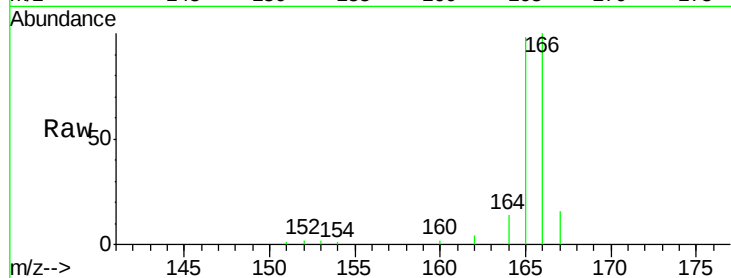
ClientSampleId :

C0AA5

Tgt Ion:	166	Resp:	173280
Ion Ratio	Lower	Upper	
166	100		
165	97.8	73.4	110.2
167	15.7	14.6	22.0

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#12

Phenanthrene

Concen: 6.644 ng/ul

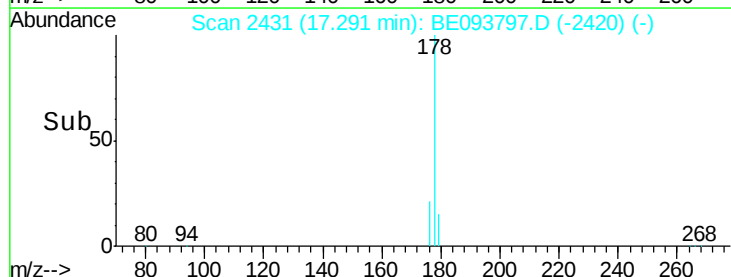
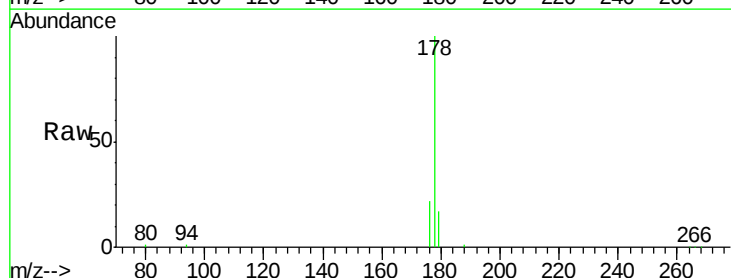
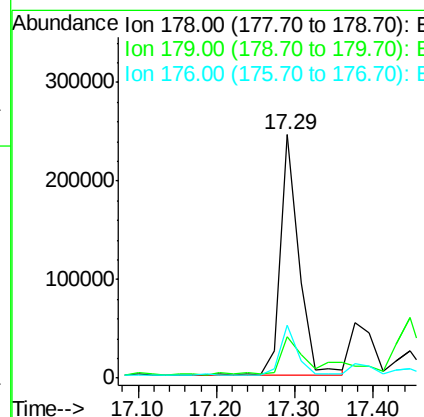
RT: 17.29 min Scan# 2431

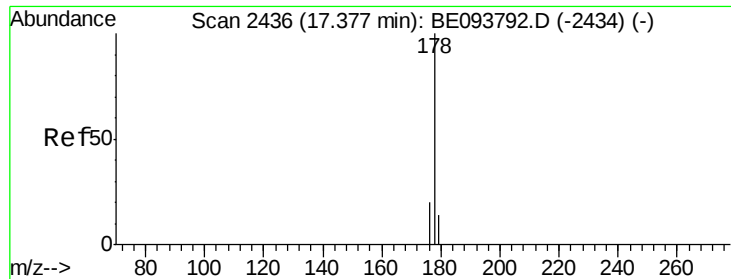
Delta R.T. -0.00 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Tgt Ion:	178	Resp:	403326
Ion Ratio	Lower	Upper	
178	100		
179	16.8	18.4	27.6#
176	21.8	13.6	20.4#





#13

Anthracene

Concen: 1.604 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

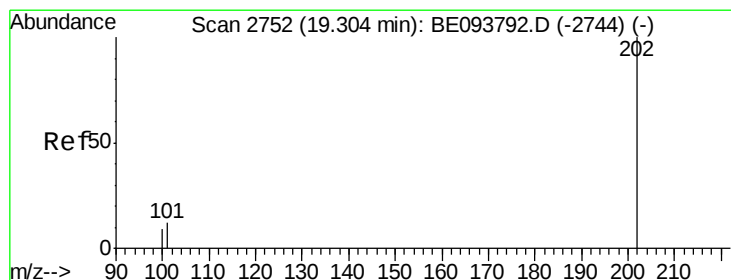
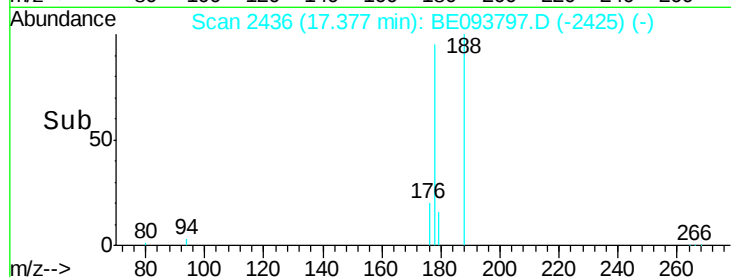
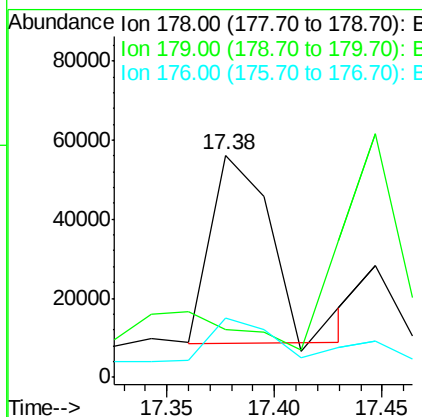
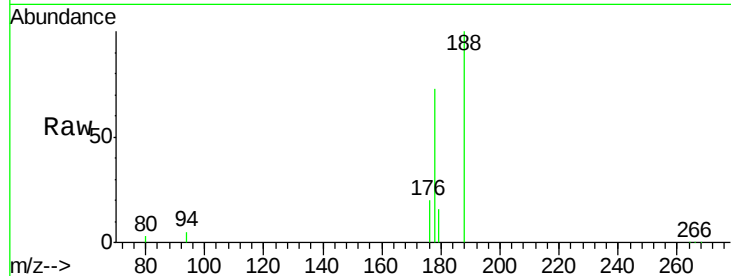
ClientSampleId :

C0AA5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.5	18.1	27.1
176	27.0	14.7	22.1

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#15

Fluoranthene

Concen: 2.809 ng/ul

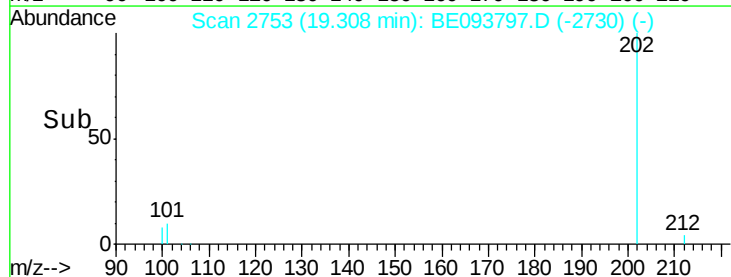
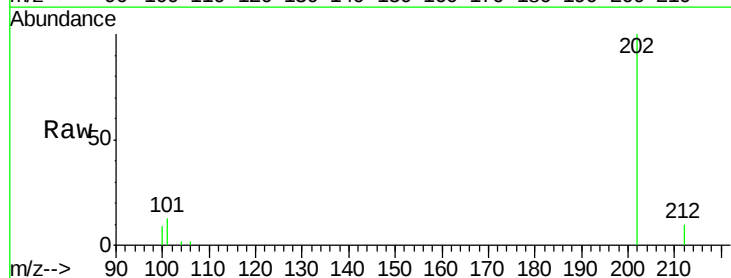
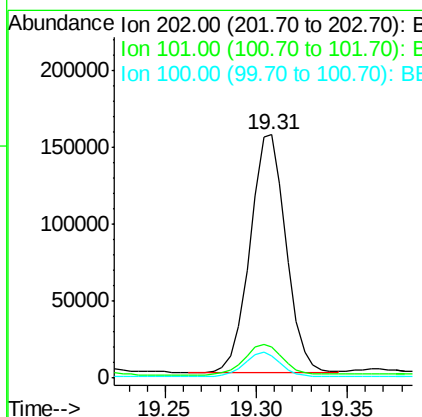
RT: 19.31 min Scan# 2753

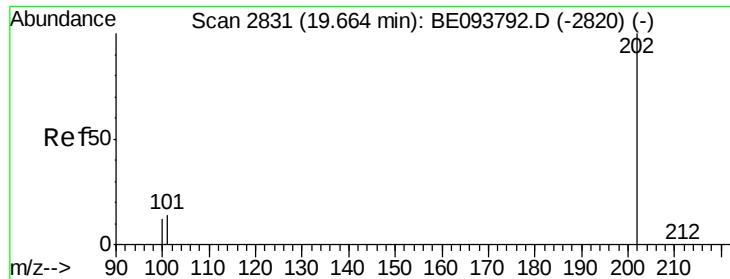
Delta R.T. 0.01 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

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





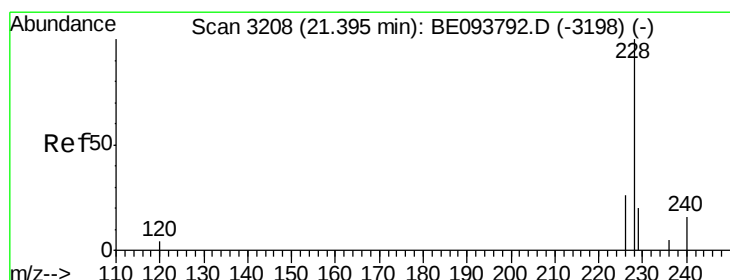
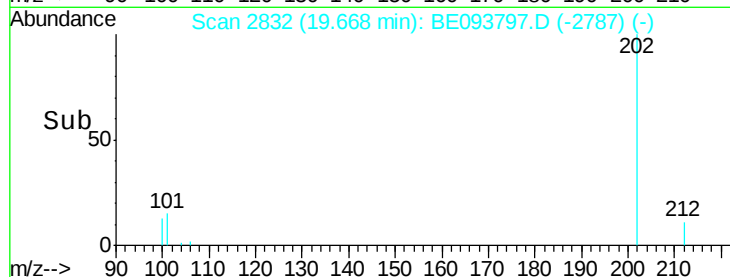
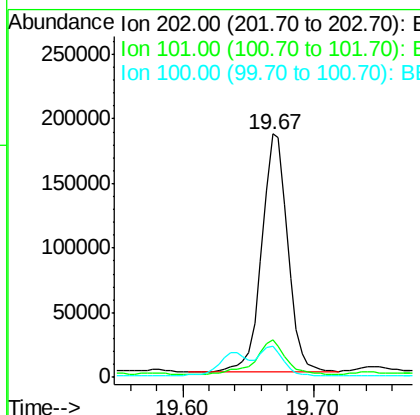
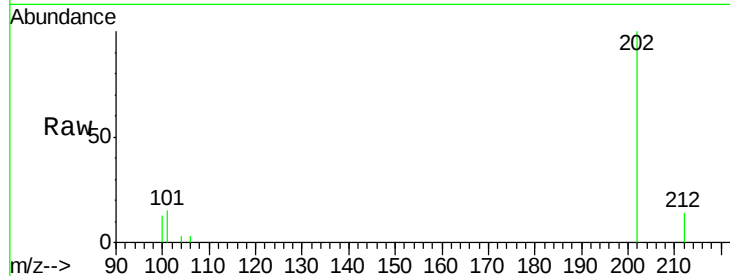
#17
Pyrene
 Concen: 4.586 ng/ul
 RT: 19.67 min Scan# 2832
 Delta R.T. 0.01 min
 Lab File: BE093797.D
 Acq: 14 Aug 2017 21:21

Instrument :
 BNA_E
 ClientSampled :
 C0AA5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.2	18.2	27.4#
100	12.6	15.6	23.4#

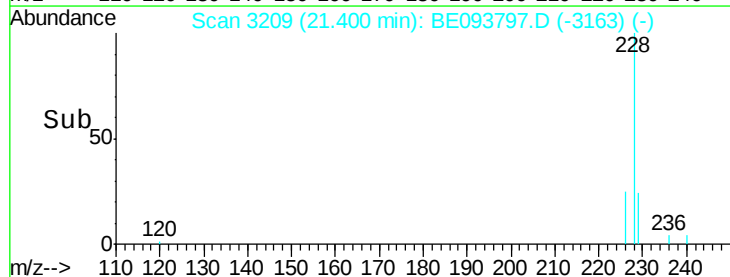
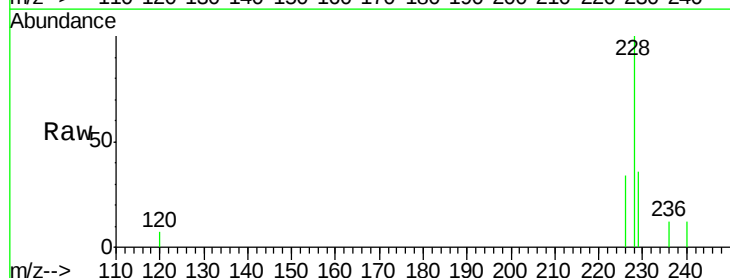
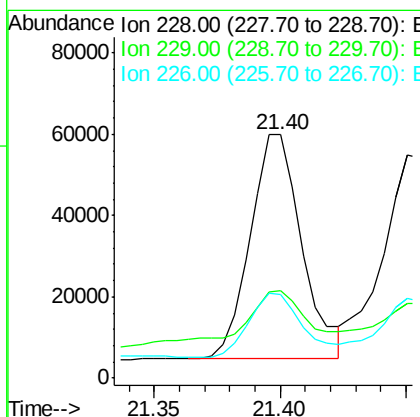
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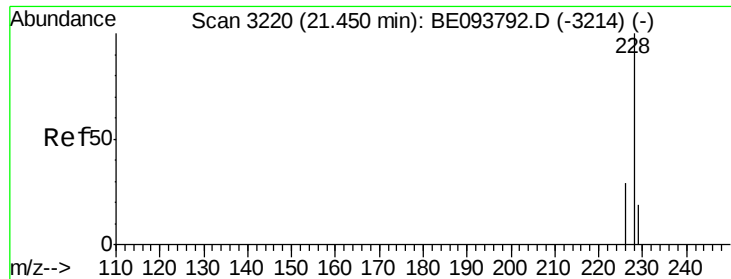
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#18
Benzo(a)anthracene
 Concen: 1.417 ng/ul
 RT: 21.40 min Scan# 3209
 Delta R.T. 0.01 min
 Lab File: BE093797.D
 Acq: 14 Aug 2017 21:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	36.0	22.8	34.2#
226	34.2	17.0	25.6#





#19

Chrysene

Concen: 1.537 ng/ul

RT: 21.45 min Scan# 3220

Delta R.T. 0.01 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

ClientSampleId :

C0AA5

Tgt Ion: 228 Resp: 81467

Ion Ratio Lower Upper

228 100

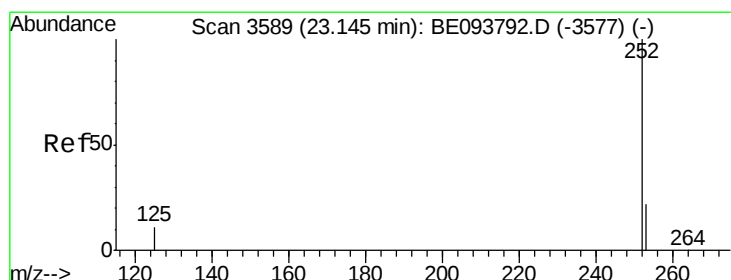
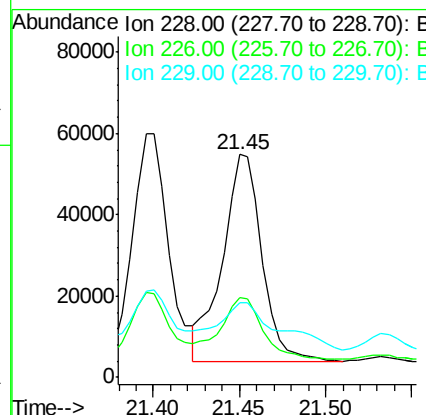
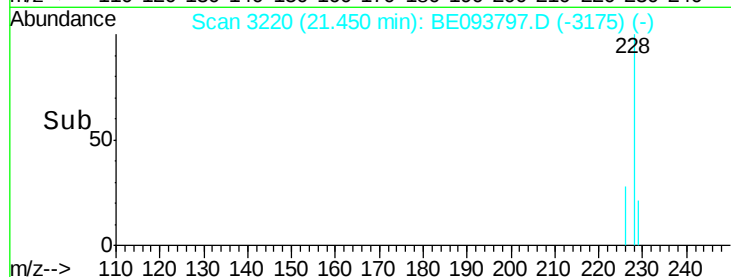
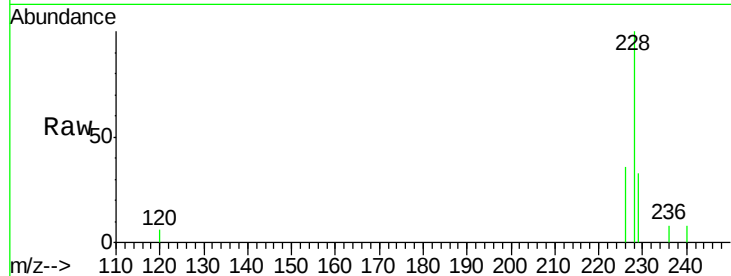
226 36.0 23.4 35.0#

229 33.5 17.7 26.5#

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#21

Benzo(b)fluoranthene

Concen: 1.216 ng/ul

RT: 23.16 min Scan# 3592

Delta R.T. 0.02 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

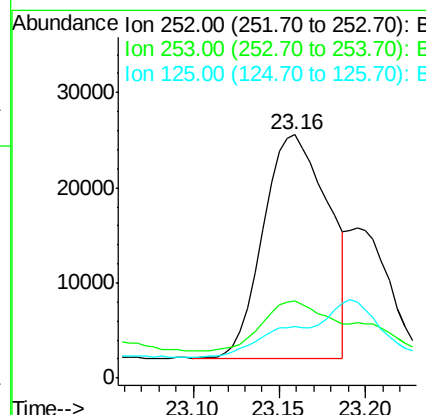
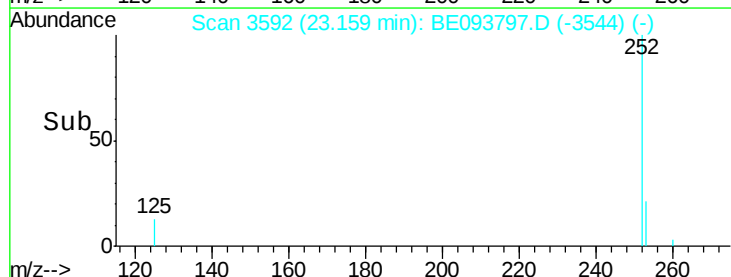
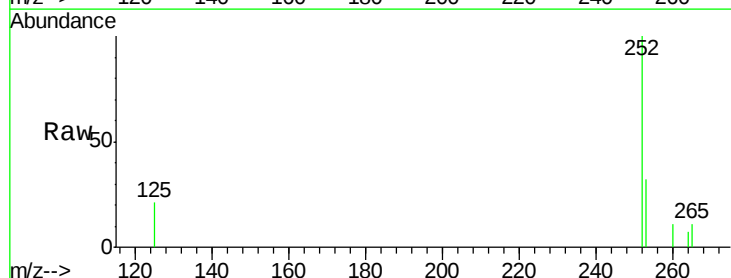
Tgt Ion: 252 Resp: 61462

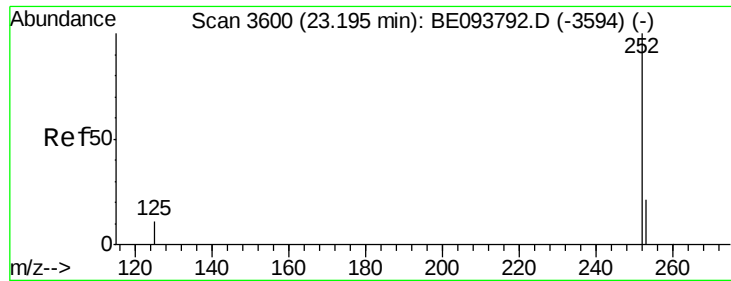
Ion Ratio Lower Upper

252 100

253 31.6 0.0 64.2

125 21.0 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.462 ng/ul m

RT: 23.20 min Scan# 3600

Delta R.T. 0.01 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Instrument :

BNA_E

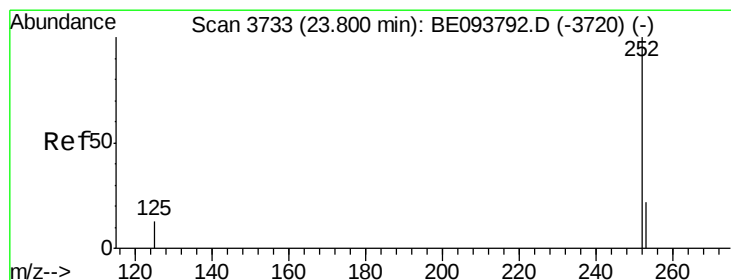
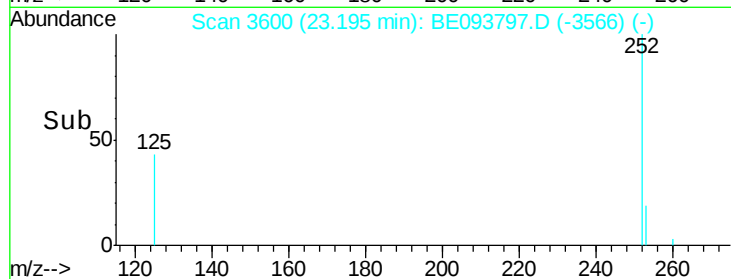
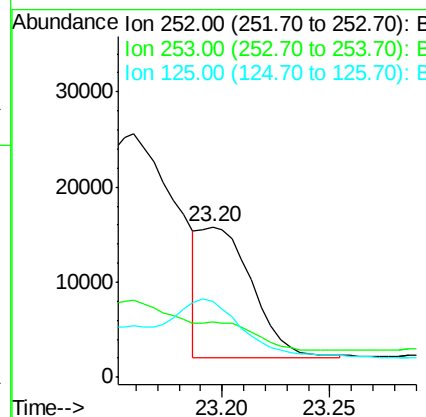
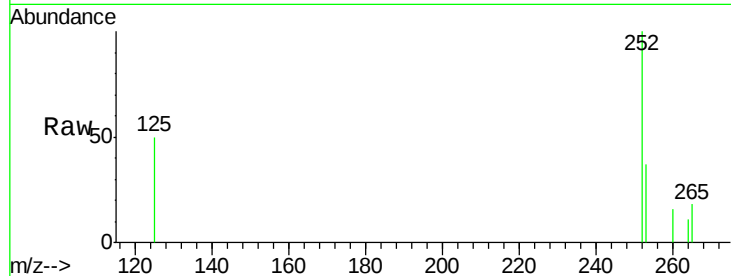
ClientSampleId :

C0AA5

Tgt Ion:	252	Resp:	23040
Ion Ratio	Lower	Upper	
252	100		
253	37.1	24.5	36.7#
125	50.5	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 1.170 ng/ul m

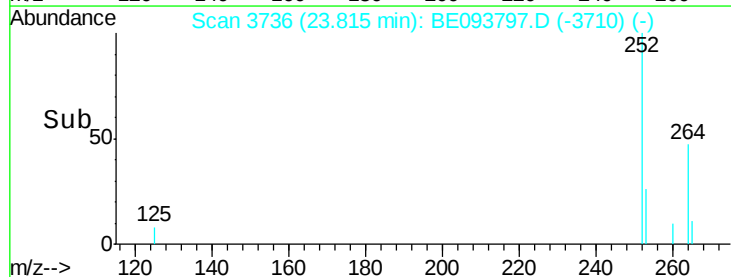
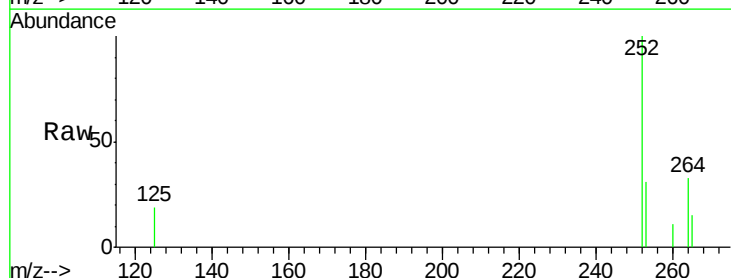
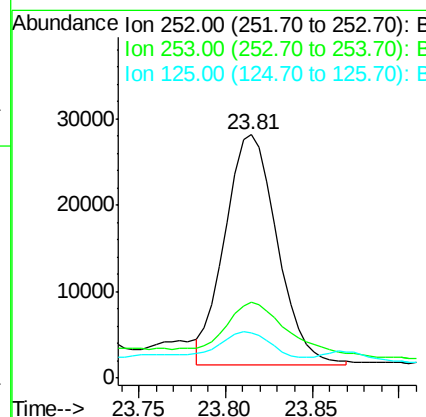
RT: 23.81 min Scan# 3736

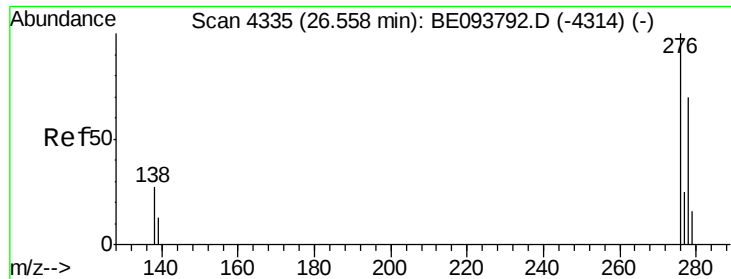
Delta R.T. 0.02 min

Lab File: BE093797.D

Acq: 14 Aug 2017 21:21

Tgt Ion:	252	Resp:	56229
Ion Ratio	Lower	Upper	
252	100		
253	31.1	28.5	42.7
125	18.6	18.1	27.1





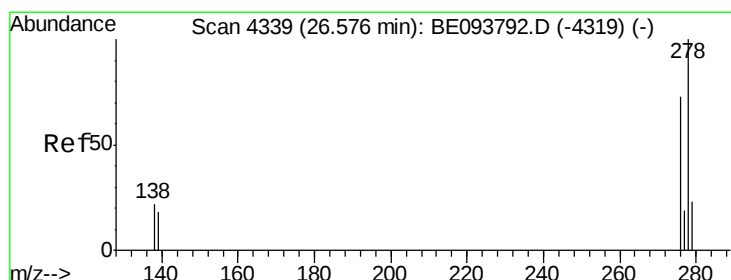
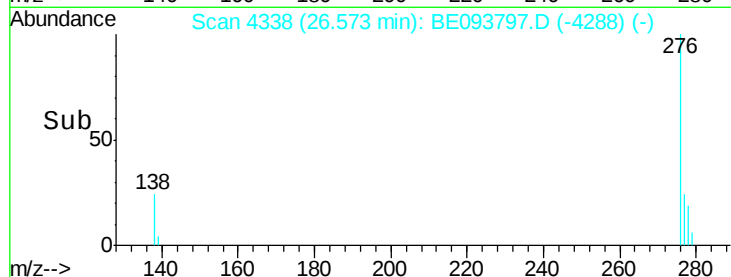
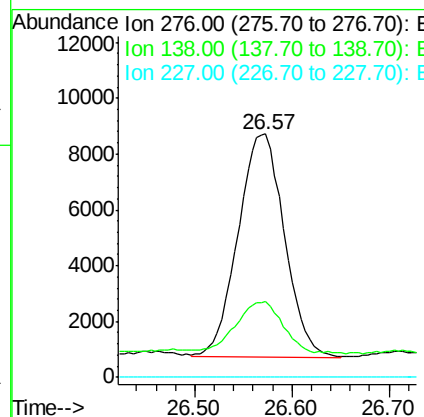
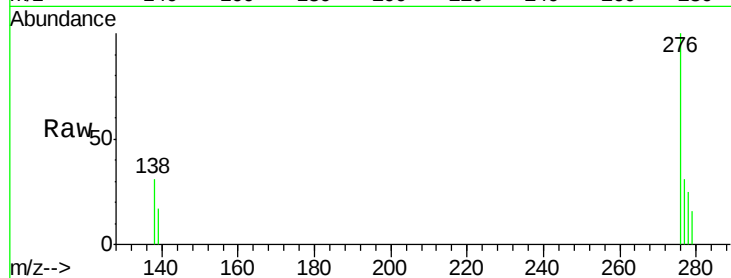
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.499 ng/ul m
 RT: 26.57 min Scan# 4338
 Delta R.T. 0.03 min
 Lab File: BE093797.D
 Acq: 14 Aug 2017 21:21

Instrument :
 BNA_E
 ClientSampleId :
 C0AA5

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

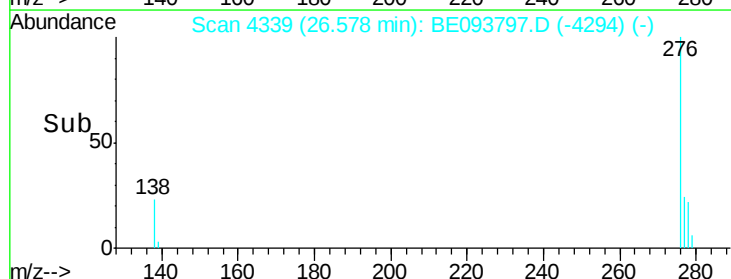
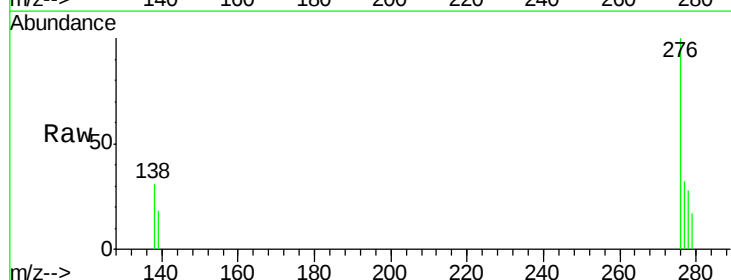
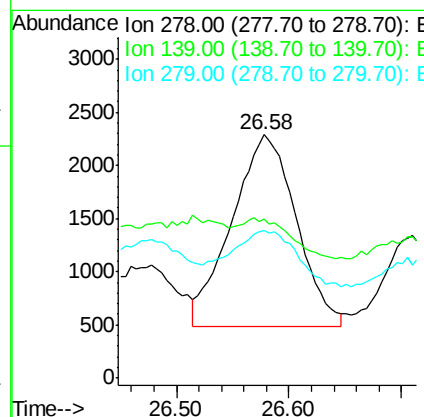
Manual Integrations
 APPROVED

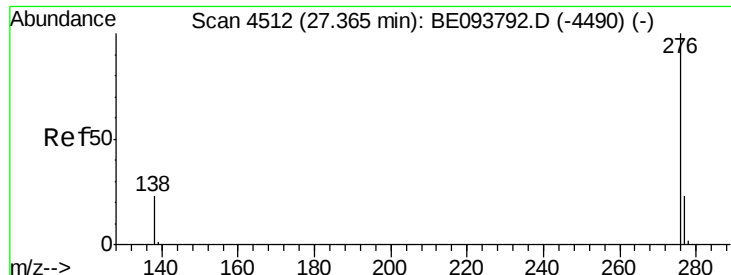
Sohil
 8/21/2017 1:43:32 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.162 ng/ul m
 RT: 26.58 min Scan# 4339
 Delta R.T. 0.00 min
 Lab File: BE093797.D
 Acq: 14 Aug 2017 21:21

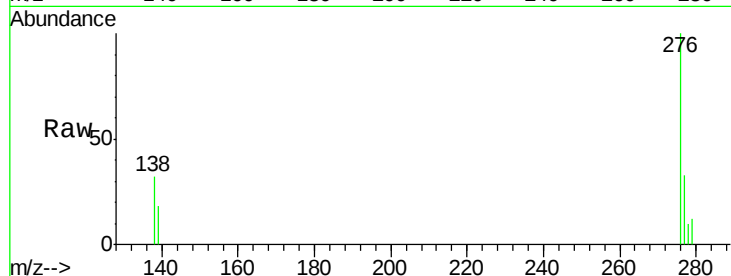
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	65.2	17.4	26.0#
279	60.8	25.9	38.9#





#26
 Benzo(g,h,i)perylene
 Concen: 0.448 ng/ul m
 RT: 27.38 min Scan# 4516
 Delta R.T. 0.02 min
 Lab File: BE093797.D
 Acq: 14 Aug 2017 21:21

Instrument :
 BNA_E
 ClientSampleId :
 C0AA5



Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	21.8	32.8
277	32.6	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 8/21/2017 1:43:32 PM

