

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093793.D
 Acq On : 14 Aug 2017 18:51
 Operator : SJ/JU
 Sample : I4557-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:27 PM

Quant Time: Aug 14 19:29:58 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 14 18:19:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2732	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	14029	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	10842	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	19320	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19971	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	20582	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	5778	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	16246m	0.27	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.75	128	144970	4.248	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	274063	11.010	ng/ul	99
7) Acenaphthylene	14.24	152	13028	0.287	ng/ul#	47
8) Acenaphthene	14.59	153	27691	0.776	ng/ul	96
9) Fluorene	15.57	166	156861	3.478	ng/ul	95
12) Phenanthrene	17.29	178	182133	3.462	ng/ul#	91
13) Anthracene	17.38	178	66208m	1.292	ng/ul	
15) Fluoranthene	19.30	202	48501	0.737	ng/ul	82
17) Pyrene	19.67	202	74776	1.283	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	19857	0.343	ng/ul#	48
19) Chrysene	21.45	228	17478	0.315	ng/ul#	45
21) Benzo(b)fluoranthene	23.15	252	8560m	0.134	ng/ul	
22) Benzo(k)fluoranthene	23.18	252	2286m	0.036	ng/ul	
23) Benzo(a)pyrene	23.80	252	10087	0.167	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.56	276	3681	0.055	ng/ul#	85
26) Benzo(g,h,i)perylene	27.38	276	3277	0.058	ng/ul#	47

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

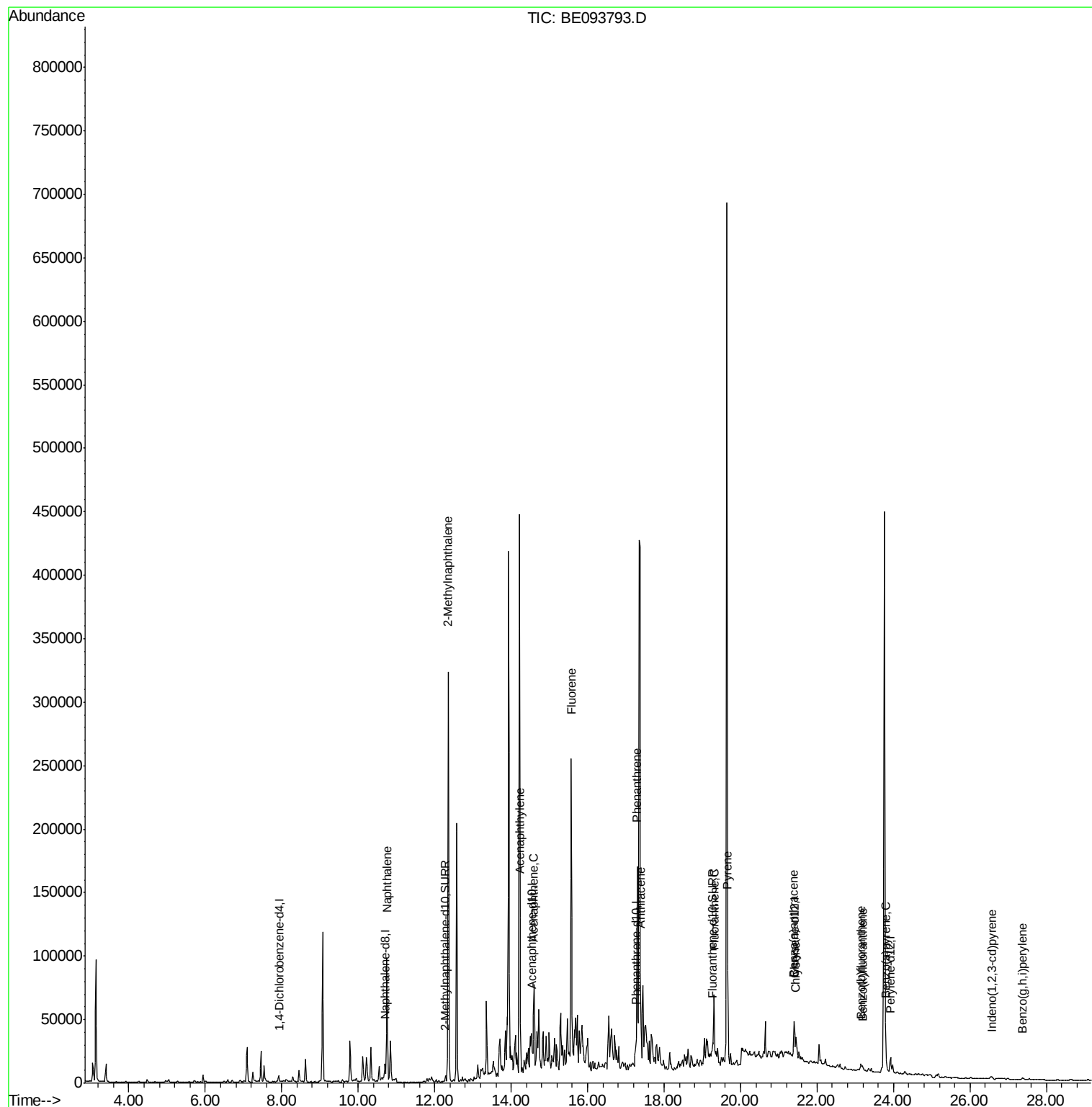
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

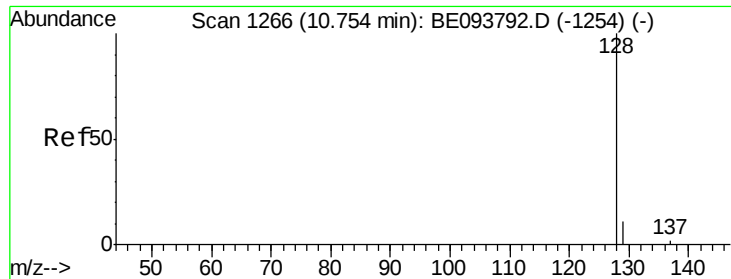
Instrument :
BNA_E
ClientSampleId :
C0AC4

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#3

Naphthalene

Concen: 4.248 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

ClientSampled :

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Tgt Ion:128 Resp: 144970

Ion Ratio Lower Upper

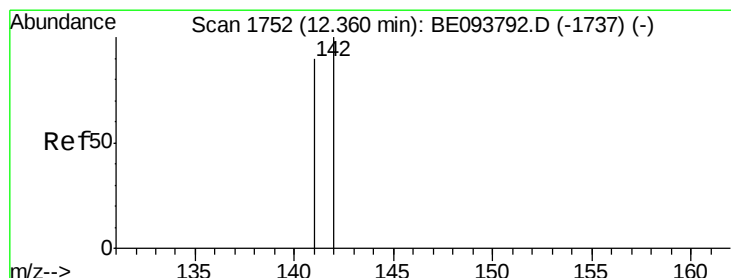
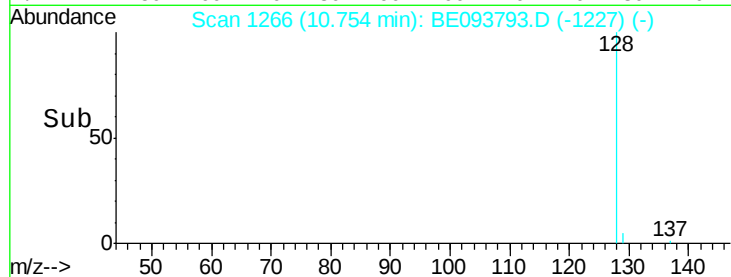
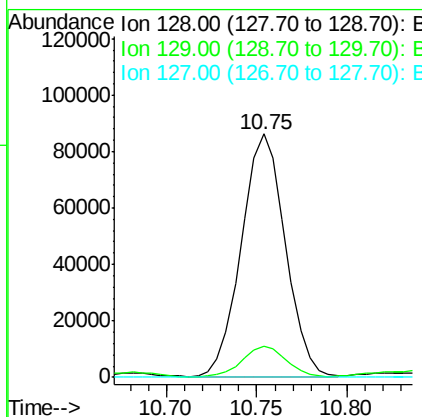
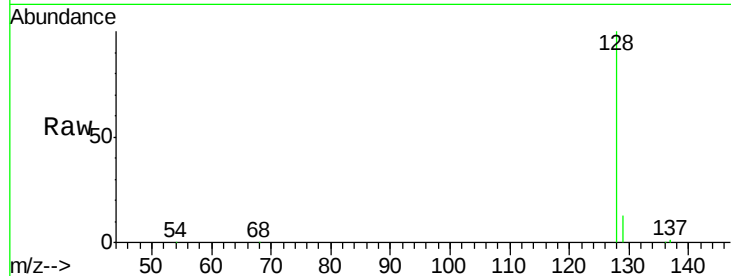
128 100

129 12.6 11.3 16.9

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 11.010 ng/ul

RT: 12.36 min Scan# 1751

Delta R.T. -0.00 min

Lab File: BE093793.D

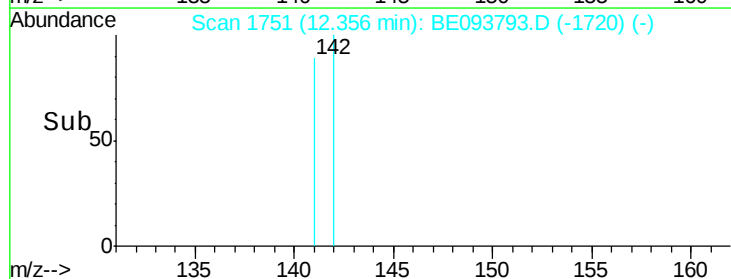
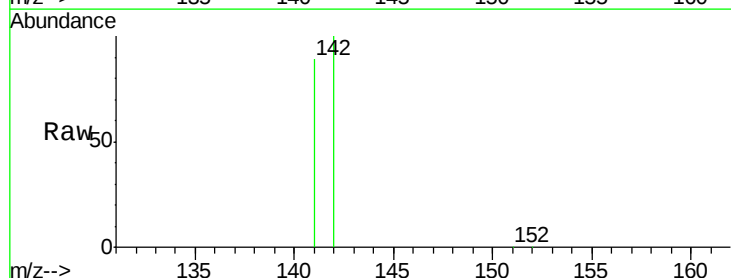
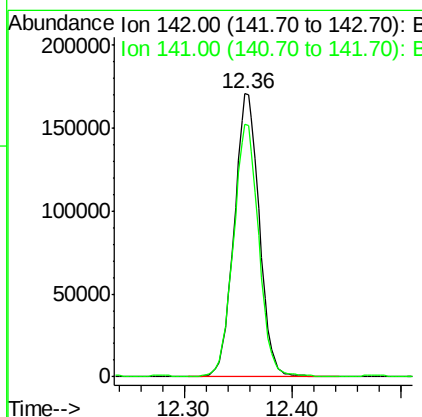
Acq: 14 Aug 2017 18:51

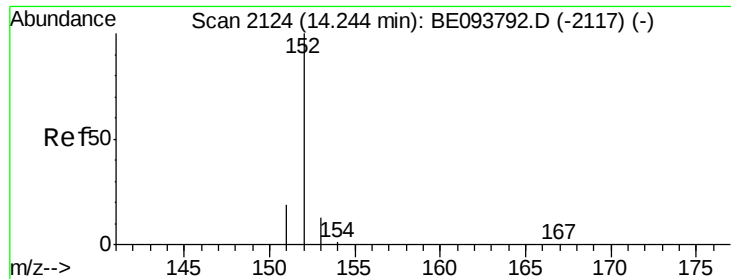
Tgt Ion:142 Resp: 274063

Ion Ratio Lower Upper

142 100

141 90.0 72.6 108.8





#7

Acenaphthylene

Concen: 0.287 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

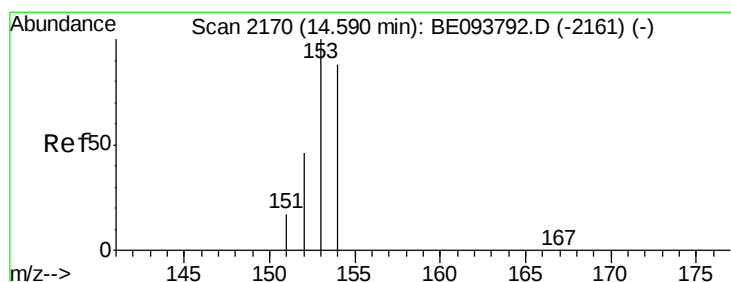
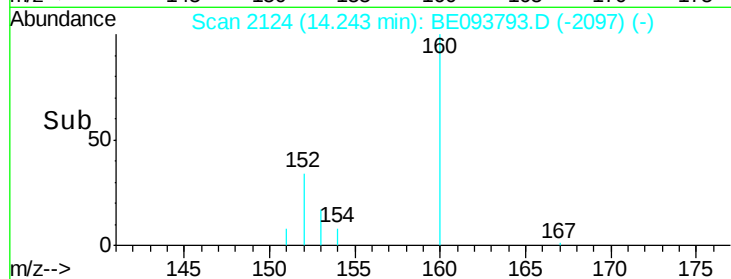
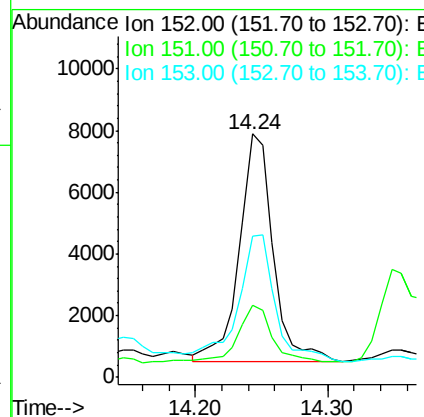
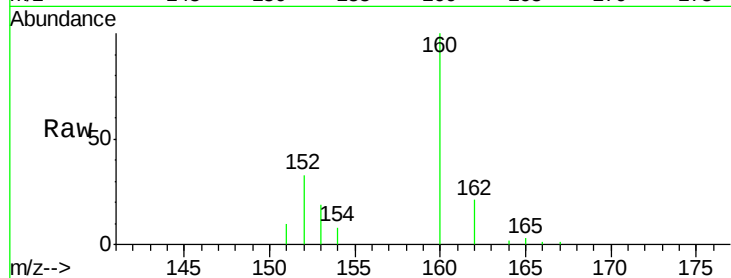
ClientSampled :

C0AC4

Tgt Ion:	152	Resp:	13028
Ion Ratio	Lower	Upper	
152	100		
151	29.7	17.1	25.7#
153	58.1	12.8	19.2#

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#8

Acenaphthene

Concen: 0.776 ng/ul

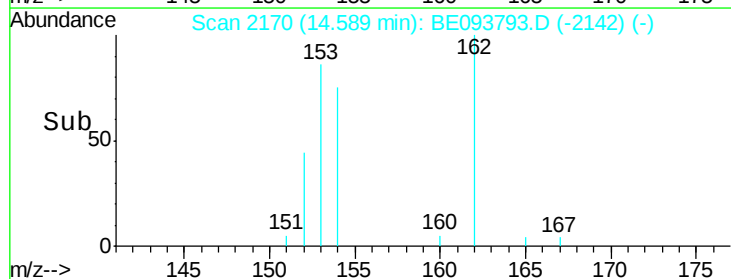
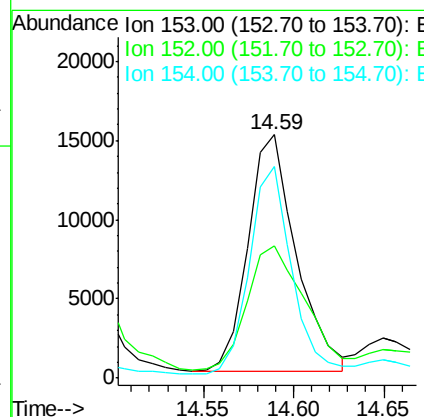
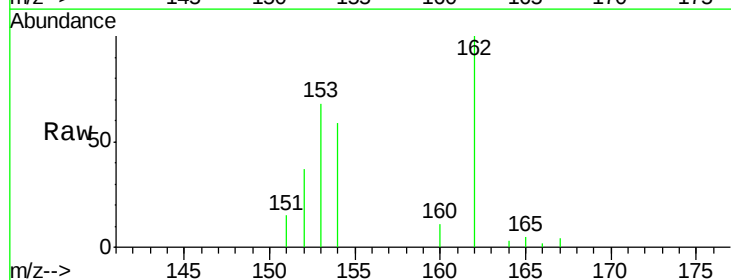
RT: 14.59 min Scan# 2170

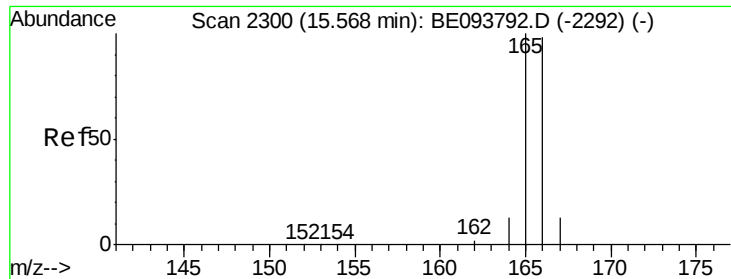
Delta R.T. 0.01 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Tgt Ion:	153	Resp:	27691
Ion Ratio	Lower	Upper	
153	100		
152	54.2	40.3	60.5
154	86.8	71.4	107.2





#9

Fluorene

Concen: 3.478 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. 0.01 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

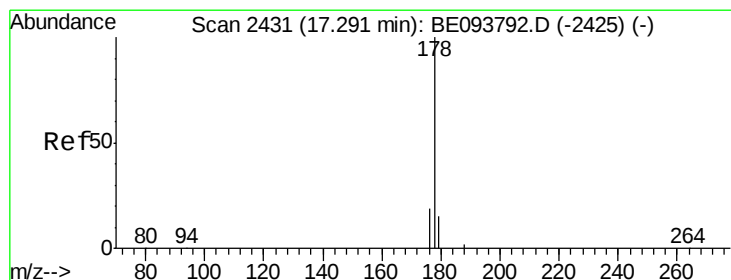
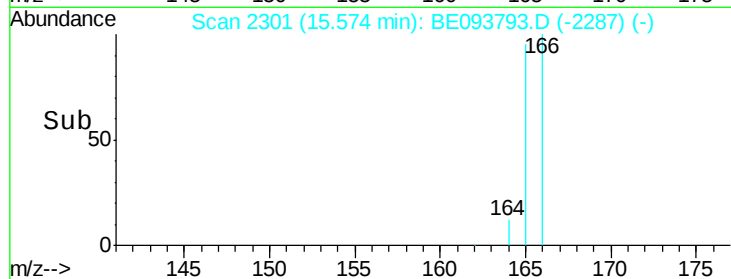
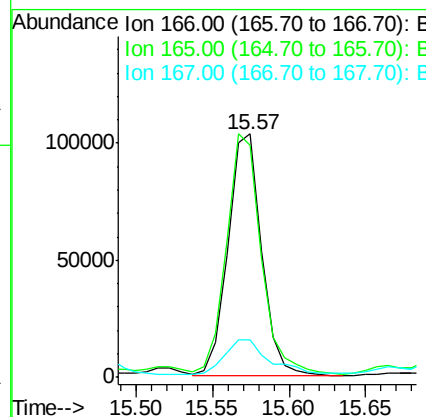
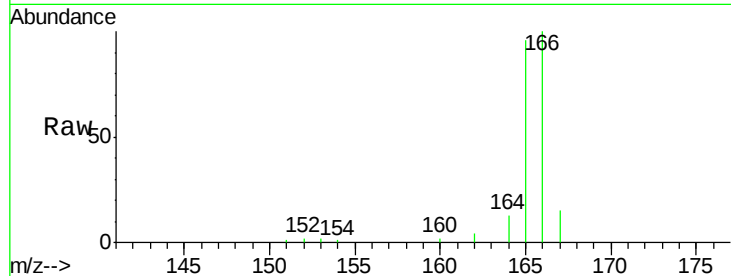
ClientSampleId :

C0AC4

Tgt Ion:	166	Resp:	156861
Ion Ratio	Lower	Upper	
166	100		
165	95.7	73.4	110.2
167	15.3	14.6	22.0

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#12

Phenanthrene

Concen: 3.462 ng/ul

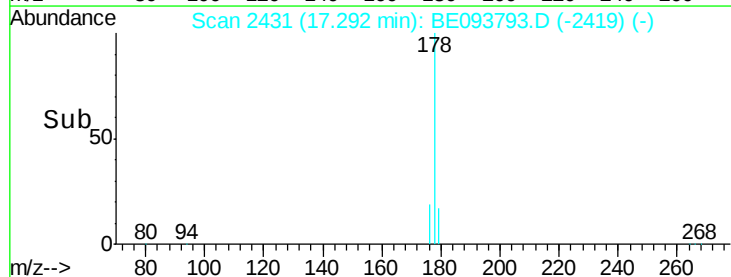
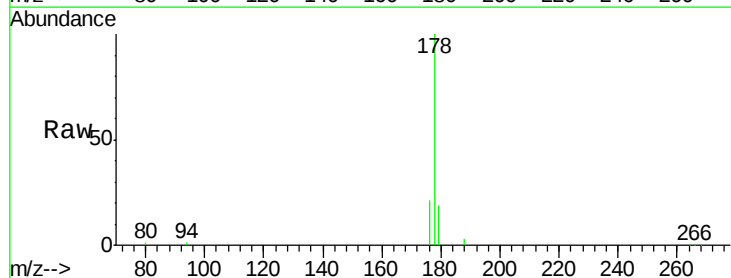
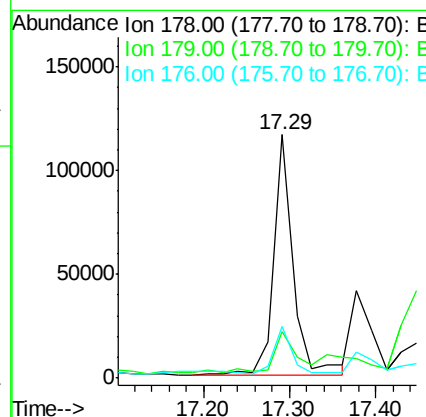
RT: 17.29 min Scan# 2431

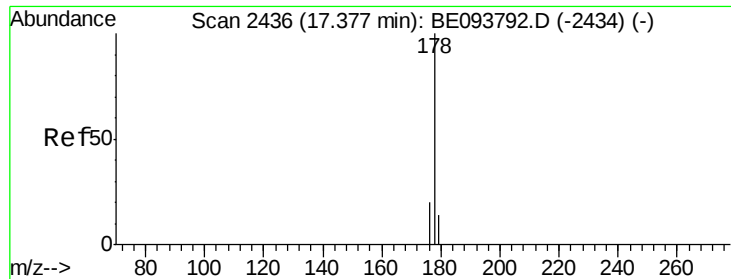
Delta R.T. -0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Tgt Ion:	178	Resp:	182133
Ion Ratio	Lower	Upper	
178	100		
179	19.0	18.4	27.6
176	21.1	13.6	20.4





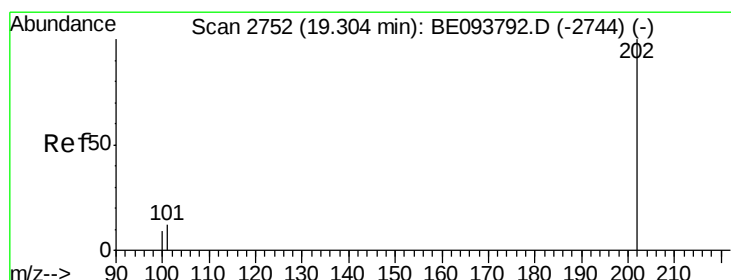
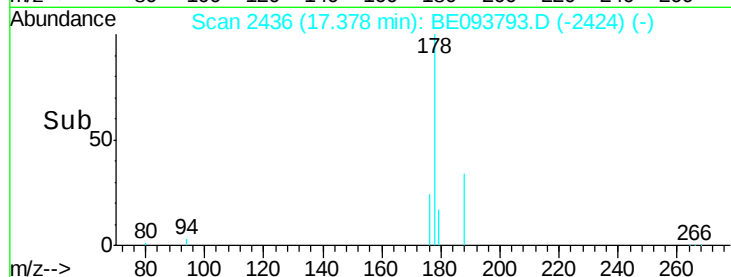
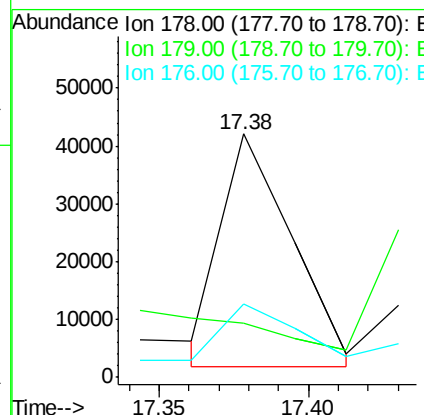
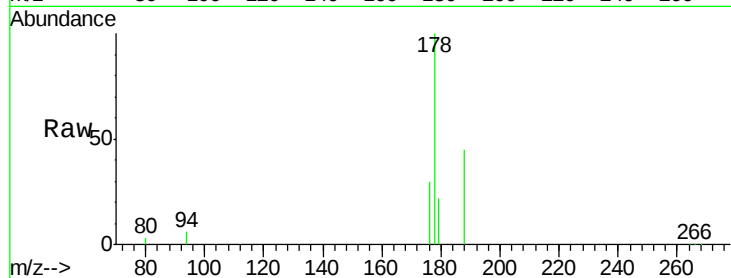
#13
 Anthracene
 Concen: 1.292 ng/ul m
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BE093793.D
 Acq: 14 Aug 2017 18:51

Instrument :
 BNA_E
 ClientSampled :
 C0AC4

Tgt Ion:178 Resp: 66208
 Ion Ratio Lower Upper
 178 100
 179 22.5 18.1 27.1
 176 29.9 14.7 22.1#

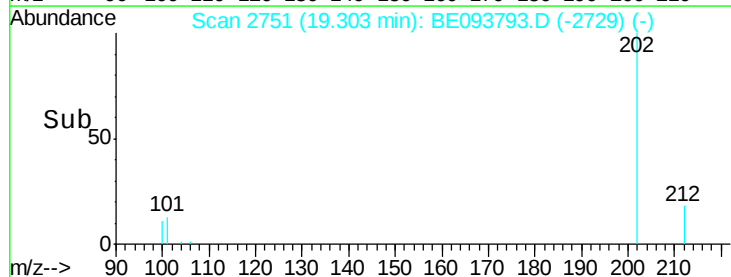
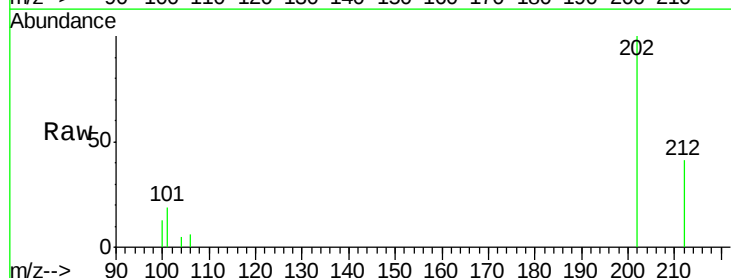
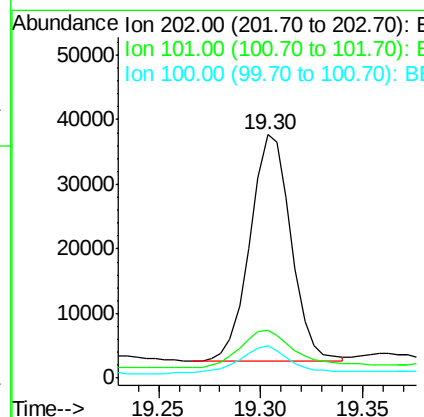
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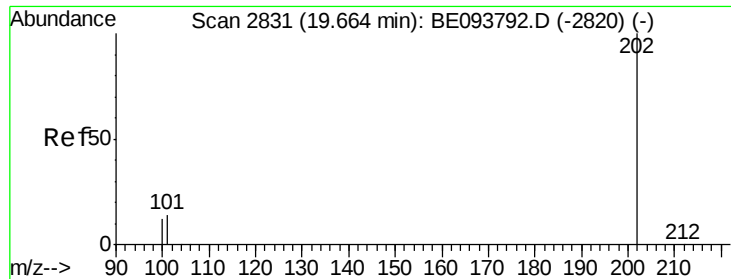
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#15
 Fluoranthene
 Concen: 0.737 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BE093793.D
 Acq: 14 Aug 2017 18:51

Tgt Ion:202 Resp: 48501
 Ion Ratio Lower Upper
 202 100
 101 19.5 0.0 30.3
 100 13.1 0.0 39.5





#17

Pyrene

Concen: 1.283 ng/ul

RT: 19.67 min Scan# 2831

Delta R.T. 0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

ClientSampleId :

C0AC4

Tgt Ion: 202 Resp: 74776

Ion Ratio Lower Upper

202 100

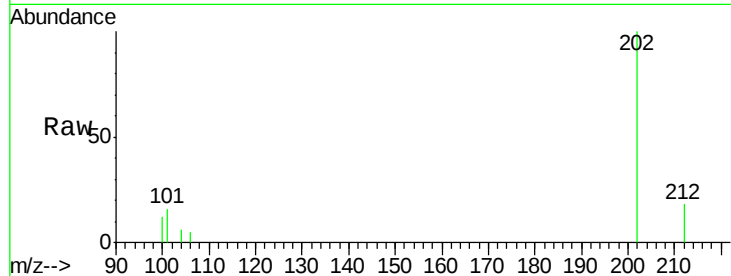
101 16.1 18.2 27.4#

100 12.1 15.6 23.4#

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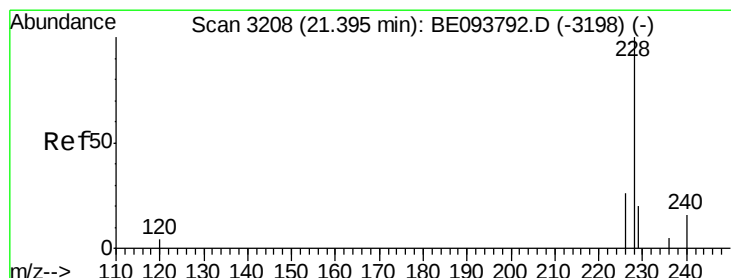
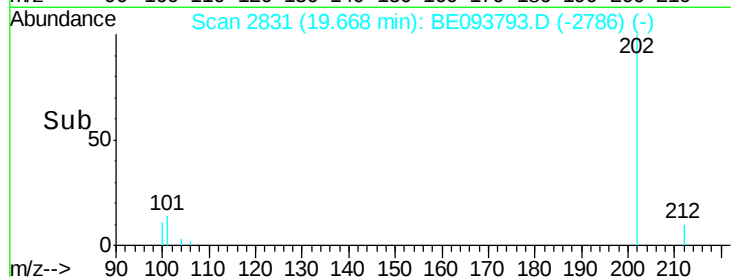
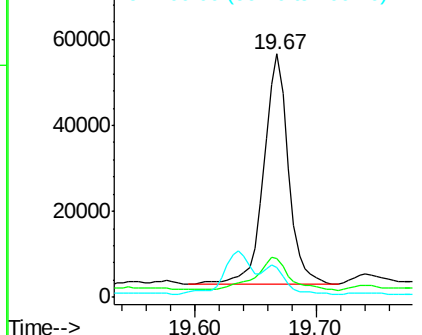
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 0.343 ng/ul

RT: 21.39 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Tgt Ion: 228 Resp: 19857

Ion Ratio Lower Upper

228 100

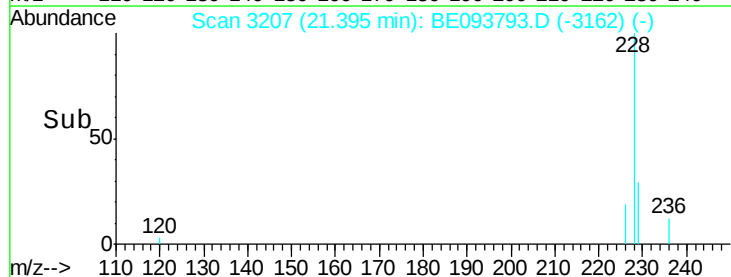
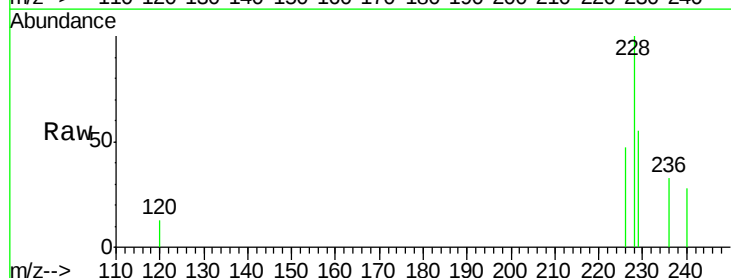
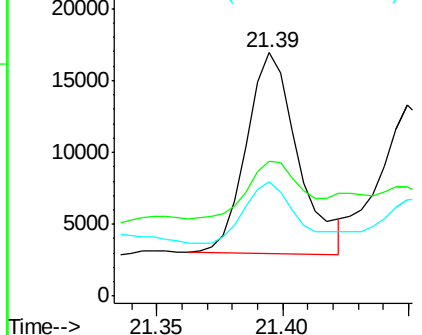
229 55.2 22.8 34.2#

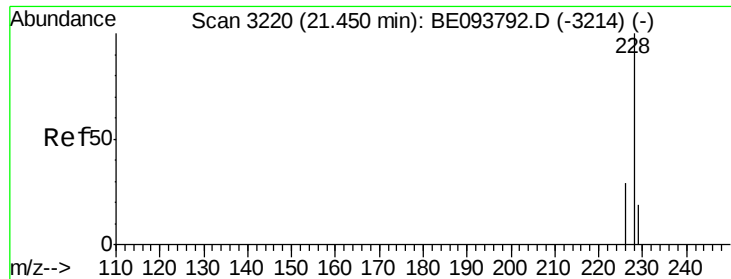
226 46.7 17.0 25.6#

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





#19

Chrysene

Concen: 0.315 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. 0.00 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

ClientSampled :

C0AC4

Tgt Ion:228 Resp: 17478

Ion Ratio Lower Upper

228 100

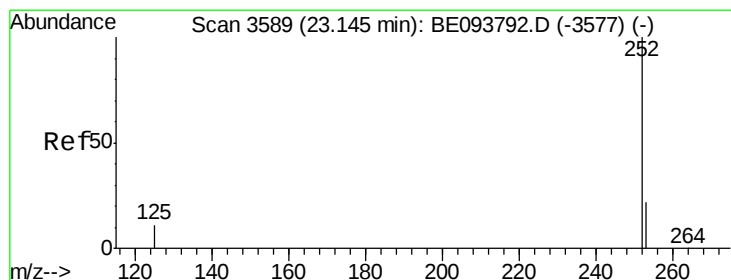
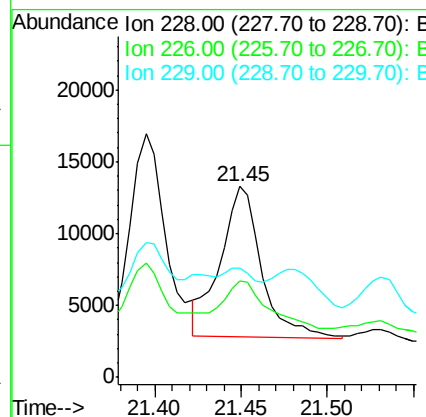
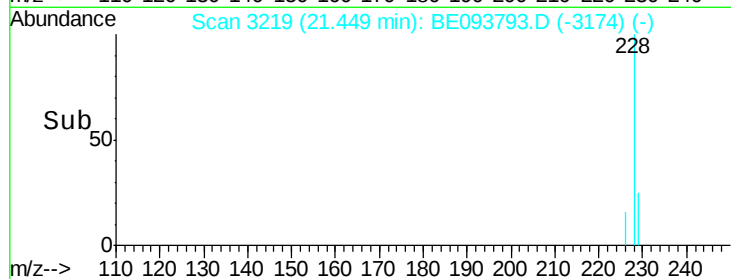
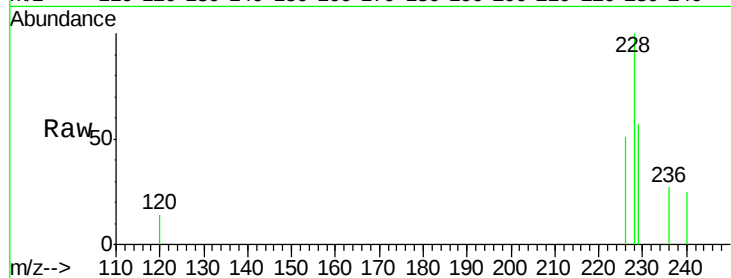
226 50.7 23.4 35.0#

229 57.4 17.7 26.5#

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#21

Benzo(b)fluoranthene

Concen: 0.134 ng/ul m

RT: 23.15 min Scan# 3589

Delta R.T. 0.01 min

Lab File: BE093793.D

Acq: 14 Aug 2017 18:51

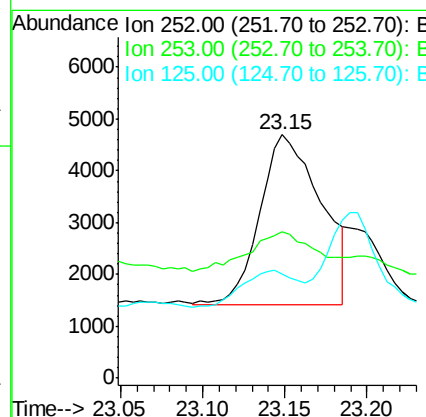
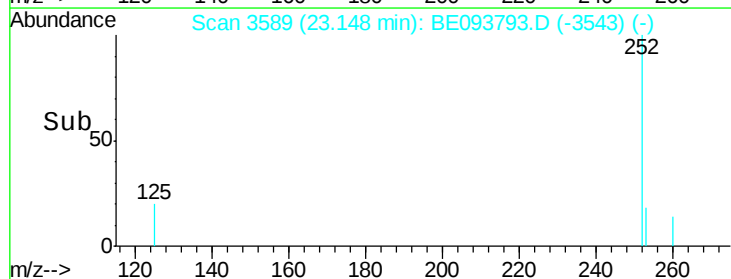
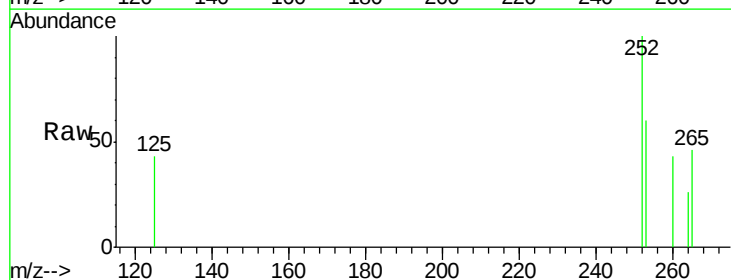
Tgt Ion:252 Resp: 8560

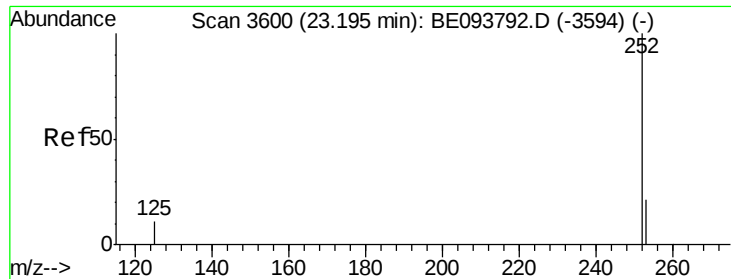
Ion Ratio Lower Upper

252 100

253 60.2 0.0 64.2

125 42.9 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.036 ng/ul m

RT: 23.18 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE093793.D

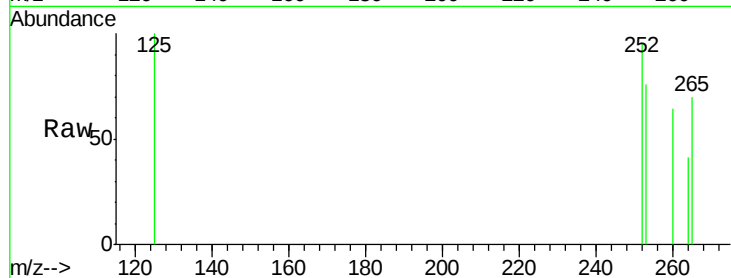
Acq: 14 Aug 2017 18:51

Instrument :

BNA_E

ClientSampled :

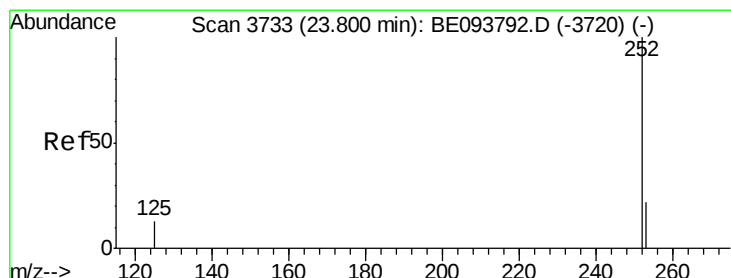
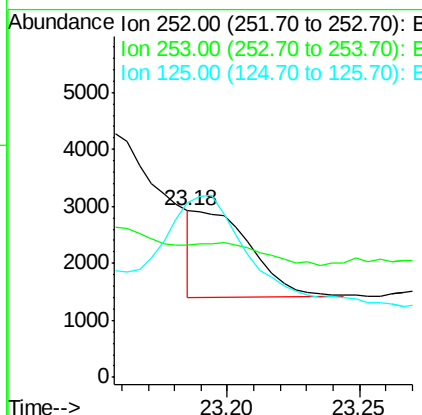
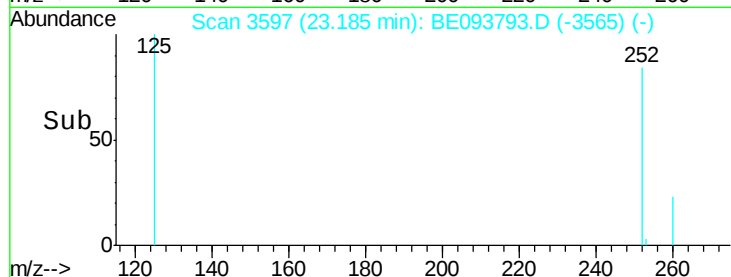
C0AC4



Tgt Ion:	252	Resp:	2286
Ion Ratio	Lower	Upper	
252	100		
253	79.5	24.5	36.7#
125	104.7	13.7	20.5#

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#23

Benzo(a)pyrene

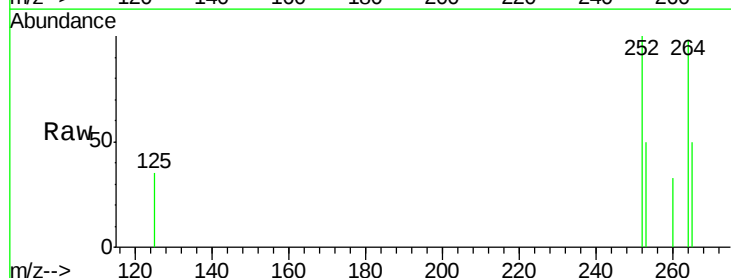
Concen: 0.167 ng/ul

RT: 23.80 min Scan# 3733

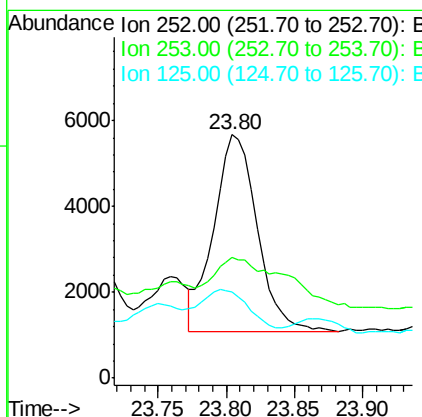
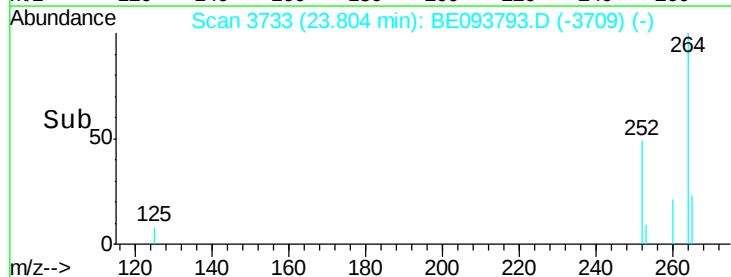
Delta R.T. 0.01 min

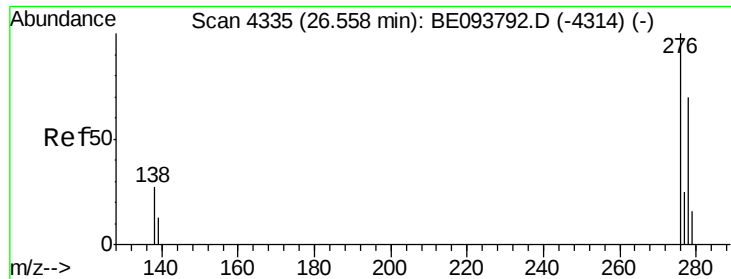
Lab File: BE093793.D

Acq: 14 Aug 2017 18:51



Tgt Ion:	252	Resp:	10087
Ion Ratio	Lower	Upper	
252	100		
253	49.5	28.5	42.7#
125	35.4	18.1	27.1#





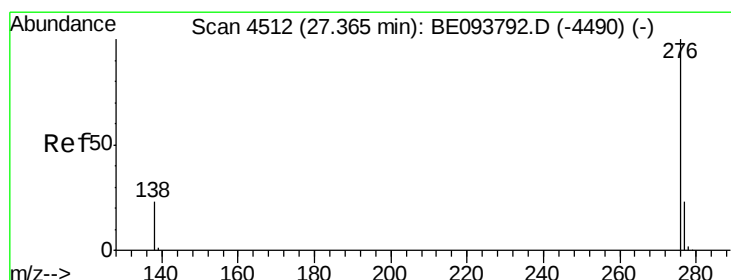
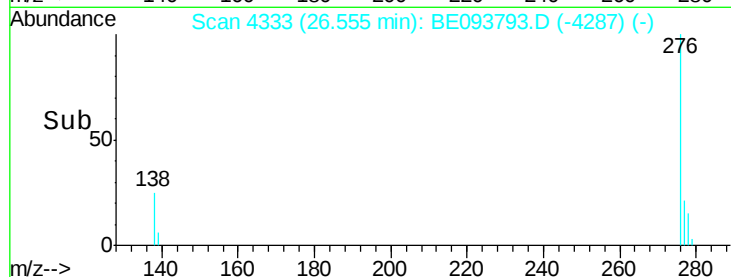
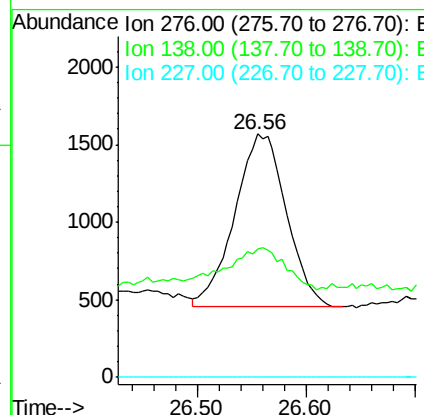
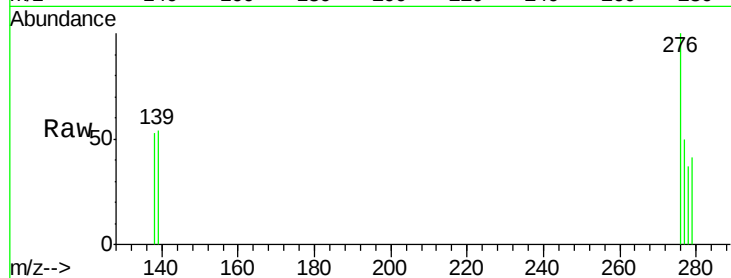
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.055 ng/ul
 RT: 26.56 min Scan# 4333
 Delta R.T. 0.01 min
 Lab File: BE093793.D
 Acq: 14 Aug 2017 18:51

Instrument :
 BNA_E
 ClientSampleId :
 C0AC4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	28.0	42.0
227	0.0	8.0	12.0

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:27 PM



#26
 Benzo(g,h,i)perylene
 Concen: 0.058 ng/ul
 RT: 27.38 min Scan# 4514
 Delta R.T. 0.01 min
 Lab File: BE093793.D
 Acq: 14 Aug 2017 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	55.3	21.8	32.8
277	52.4	20.5	30.7

