

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093794.D
 Acq On : 14 Aug 2017 19:27
 Operator : SJ/JU
 Sample : I4557-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:29 PM

Quant Time: Aug 15 10:53:34 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 12 02:01:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2399	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12423	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	8613	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	16536	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	17951	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	15436m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	5956	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	24550	0.47	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.75	128	25888	0.857	ng/ul#	93
5) 2-Methylnaphthalene	12.36	142	43191	1.959	ng/ul	99
7) Acenaphthylene	14.25	152	3021	0.084	ng/ul#	48
8) Acenaphthene	14.59	153	6562	0.232	ng/ul	94
9) Fluorene	15.57	166	33139	0.925	ng/ul	89
12) Phenanthrene	17.29	178	58284	1.294	ng/ul#	90
13) Anthracene	17.38	178	18532m	0.422	ng/ul	
15) Fluoranthene	19.30	202	33444	0.594	ng/ul	83
17) Pyrene	19.66	202	45763	0.873	ng/ul#	85
18) Benzo(a)anthracene	21.39	228	15201	0.292	ng/ul#	74
19) Chrysene	21.45	228	14248	0.285	ng/ul#	73
21) Benzo(b)fluoranthene	23.14	252	12694m	0.266	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	3920m	0.083	ng/ul	
23) Benzo(a)pyrene	23.80	252	11012m	0.242	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.55	276	5398m	0.108	ng/ul	
26) Benzo(g,h,i)perylene	27.37	276	4830m	0.114	ng/ul	

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

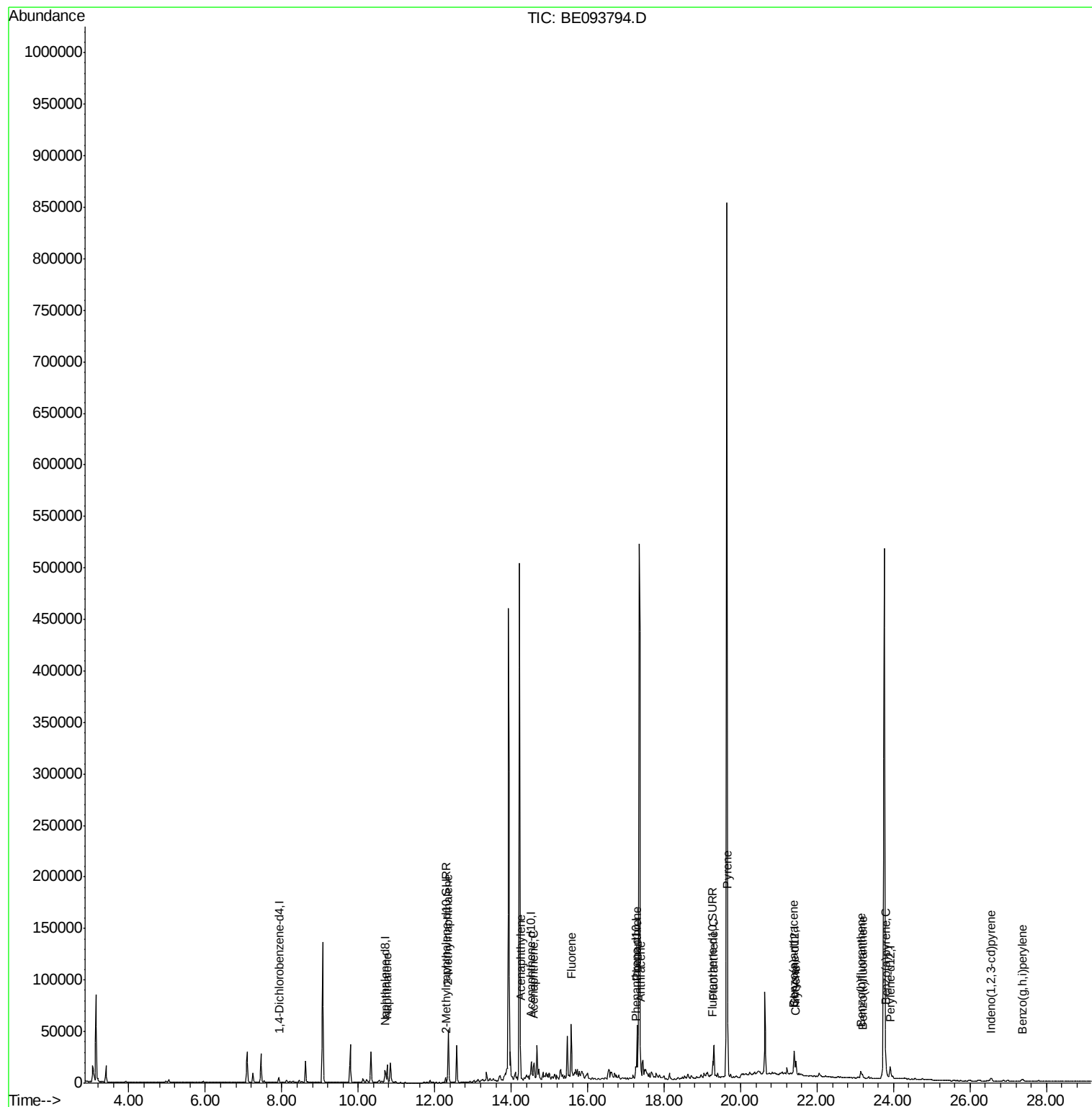
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093794.D
Acq On : 14 Aug 2017 19:27
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Sample : I4557-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

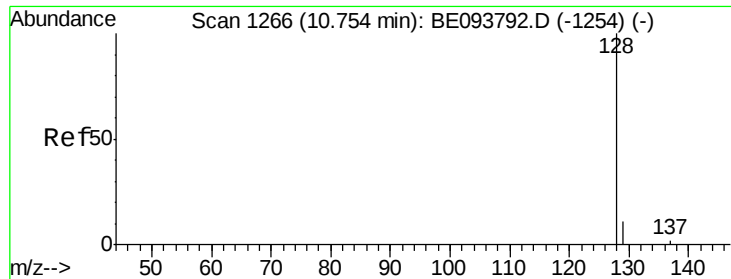
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#3

Naphthalene

Concen: 0.857 ng/ul

RT: 10.75 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

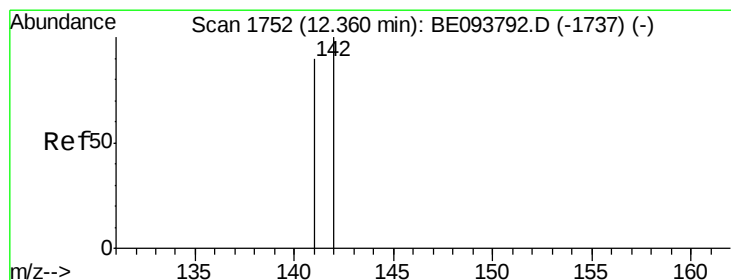
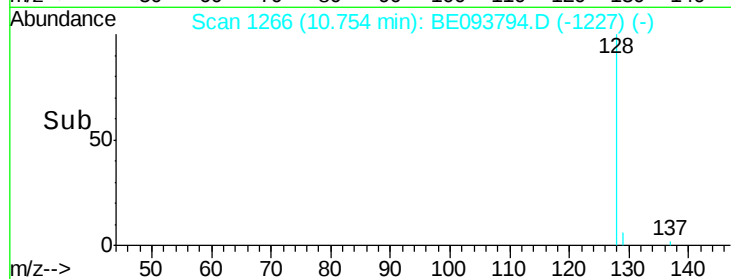
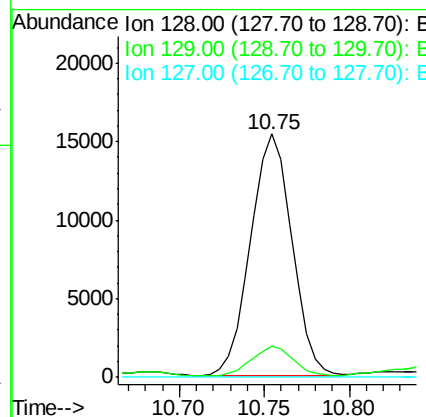
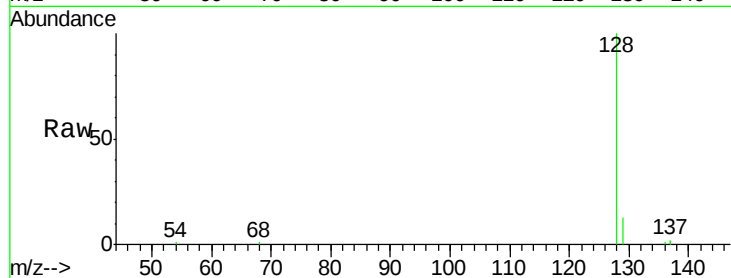
ClientSampleId :

C0AC5

Tgt 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: 1.959 ng/ul

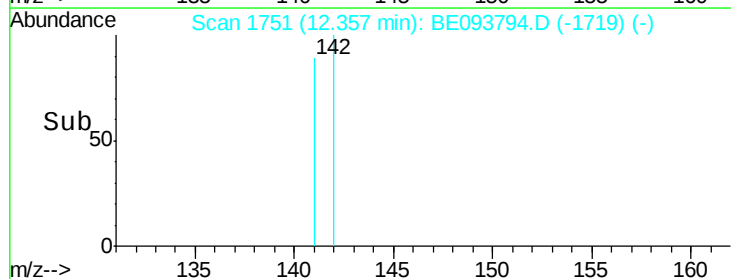
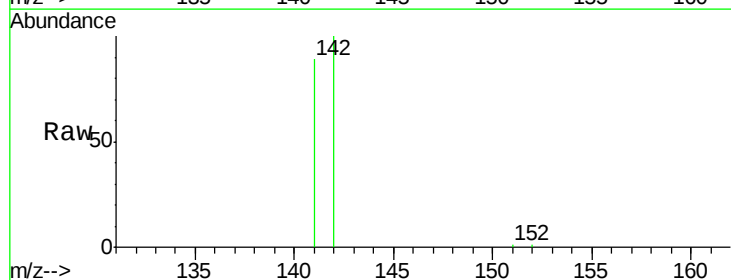
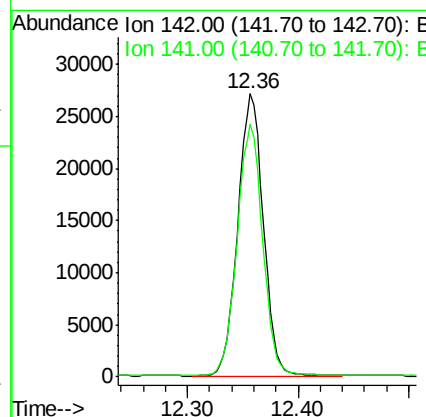
RT: 12.36 min Scan# 1751

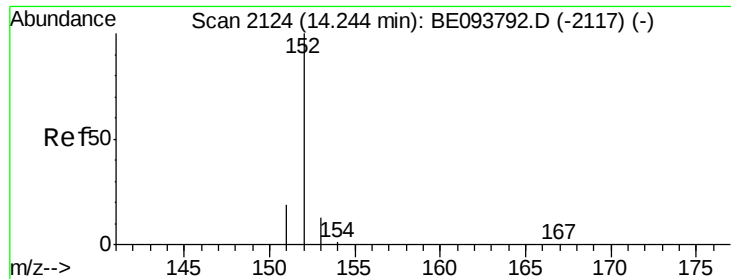
Delta R.T. -0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.6	108.8





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 14.25 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

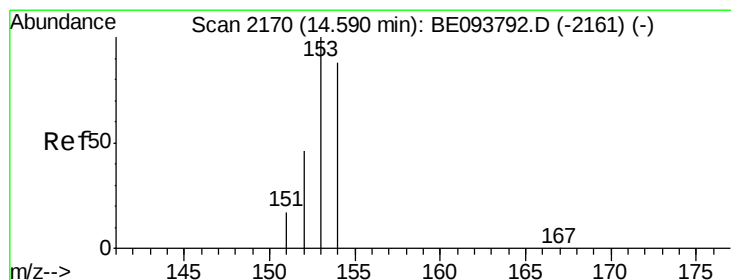
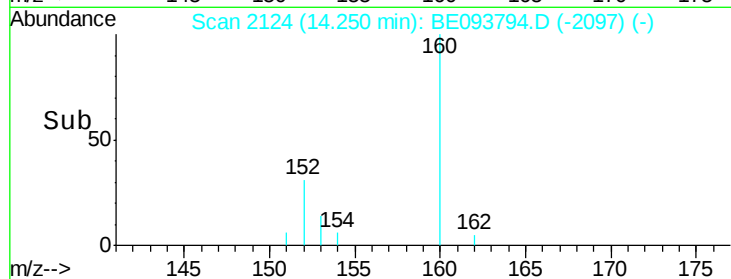
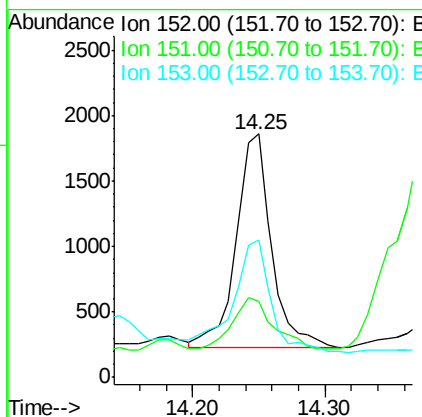
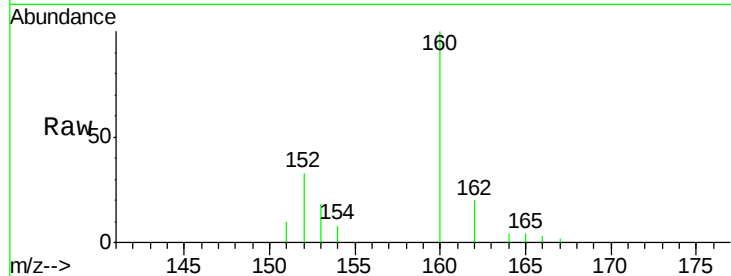
ClientSampled :

C0AC5

Tgt Ion:	152	Resp:	3021
Ion Ratio	Lower	Upper	
152	100		
151	31.2	17.1	25.7#
153	56.2	12.8	19.2#

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#8

Acenaphthene

Concen: 0.232 ng/ul

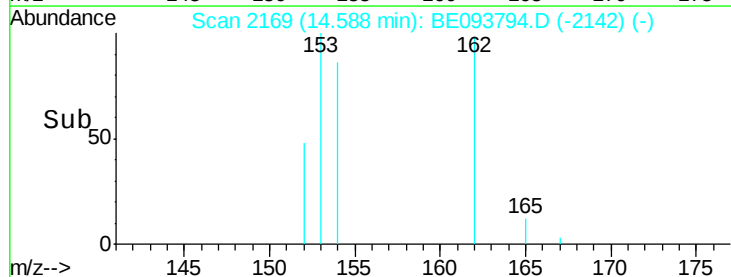
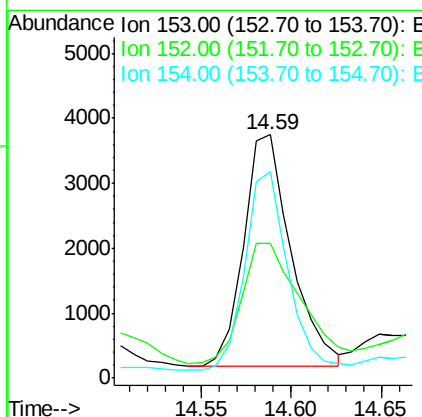
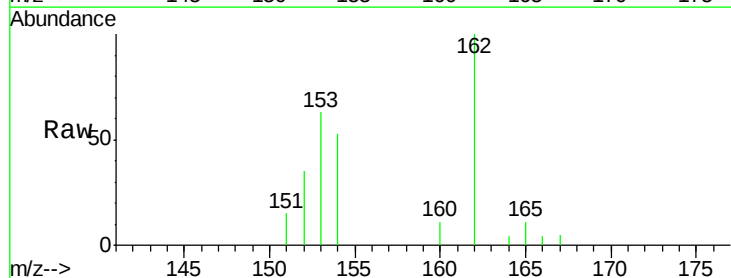
RT: 14.59 min Scan# 2169

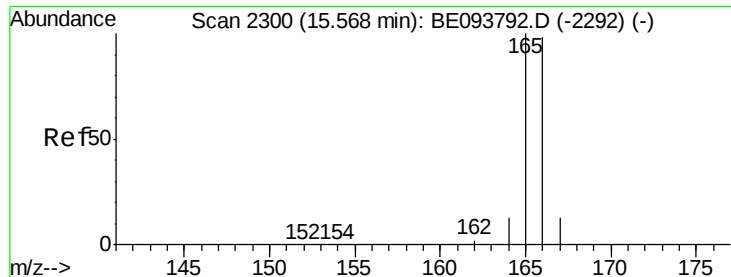
Delta R.T. 0.01 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Tgt Ion:	153	Resp:	6562
Ion Ratio	Lower	Upper	
153	100		
152	55.3	40.3	60.5
154	84.7	71.4	107.2





#9

Fluorene

Concen: 0.925 ng/ul

RT: 15.57 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

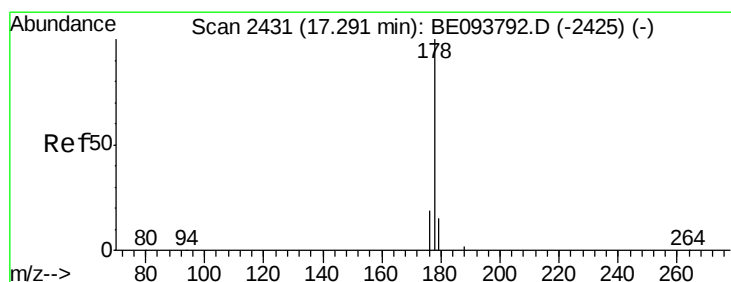
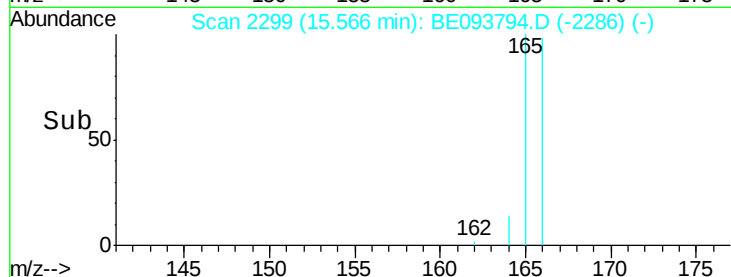
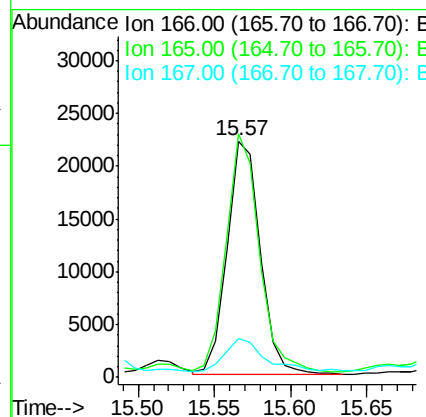
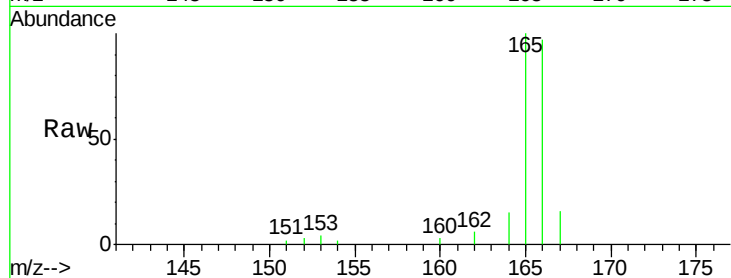
ClientSampleId :

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Tgt Ion:	166	Resp:	33139
Ion Ratio	Lower	Upper	
166	100		
165	103.0	73.4	110.2
167	16.3	14.6	22.0

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#12

Phenanthrene

Concen: 1.294 ng/ul

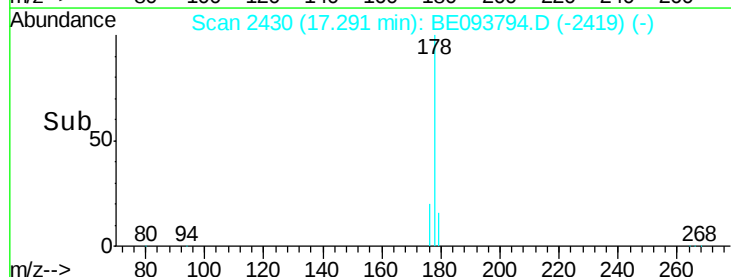
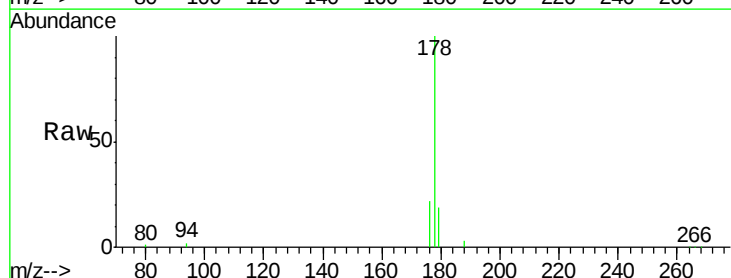
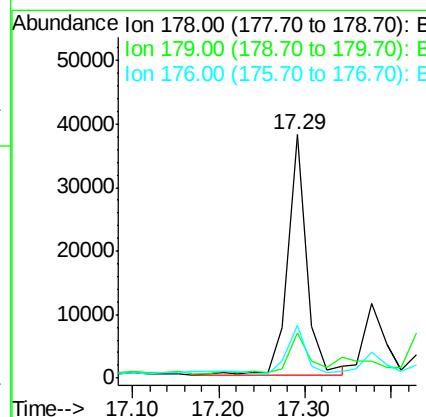
RT: 17.29 min Scan# 2430

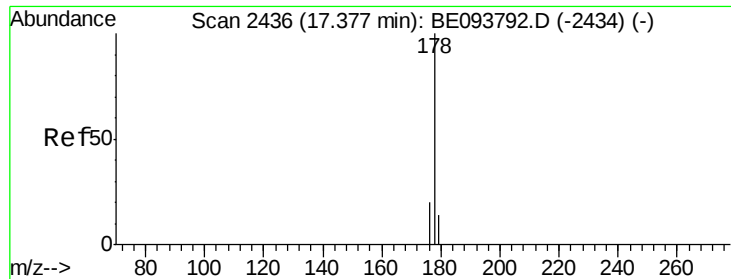
Delta R.T. -0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Tgt Ion:	178	Resp:	58284
Ion Ratio	Lower	Upper	
178	100		
179	18.6	18.4	27.6
176	21.7	13.6	20.4#





#13

Anthracene

Concen: 0.422 ng/ul m

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE093794.D

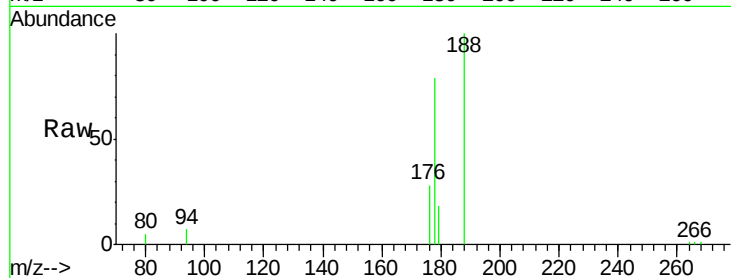
Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

ClientSampleId :

C0AC5



Tgt Ion:178 Resp: 18532

Ion Ratio Lower Upper

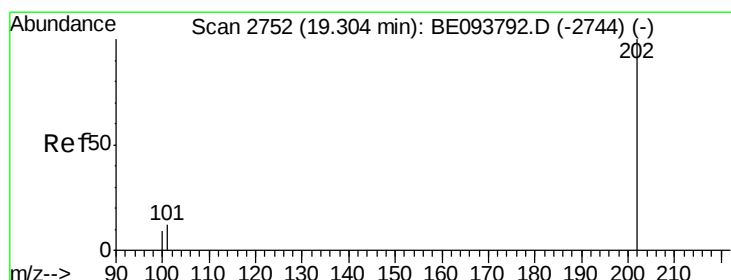
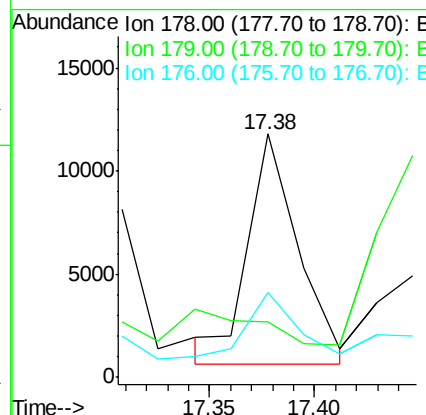
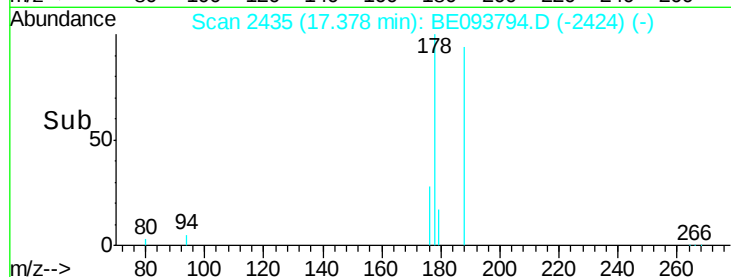
178 100

179 22.6 18.1 27.1

176 34.8 14.7 22.1#

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#15

Fluoranthene

Concen: 0.594 ng/ul

RT: 19.30 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

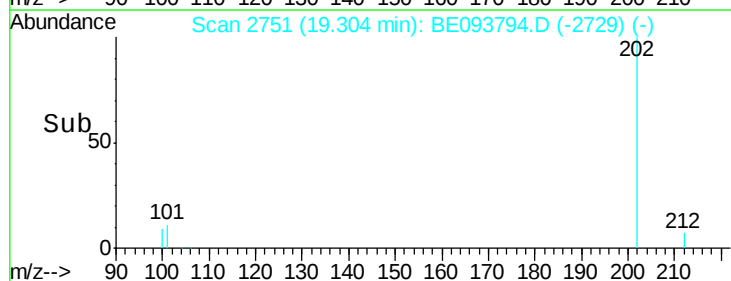
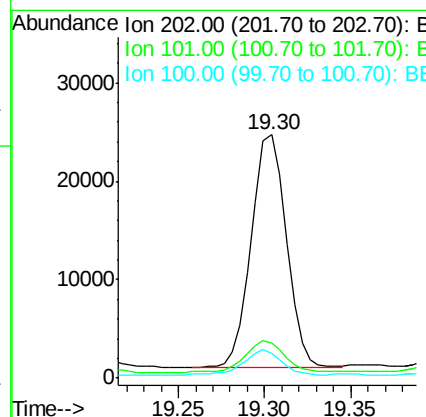
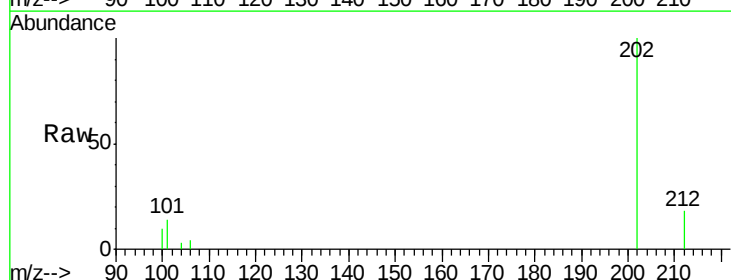
Tgt Ion:202 Resp: 33444

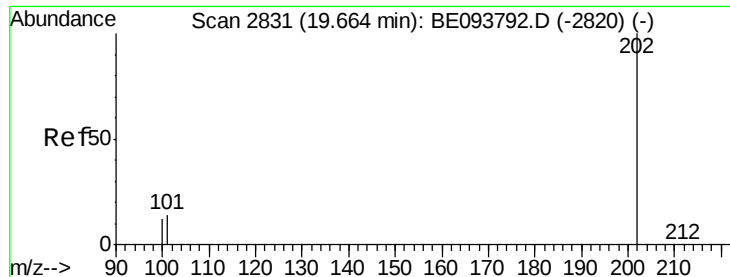
Ion Ratio Lower Upper

202 100

101 14.2 0.0 30.3

100 10.2 0.0 39.5





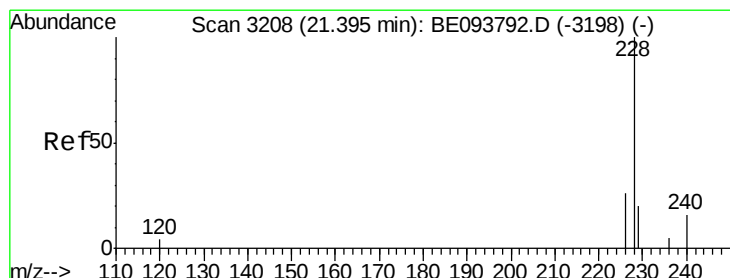
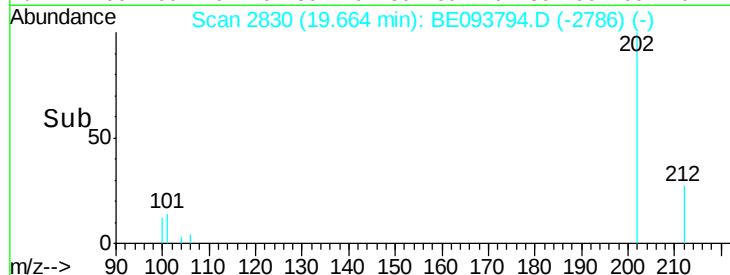
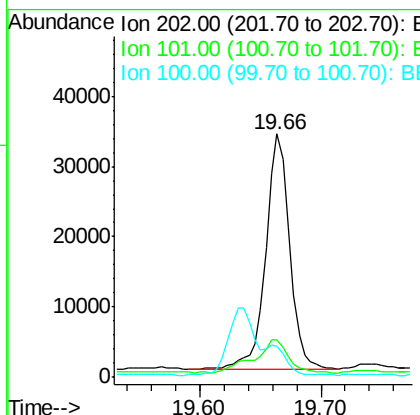
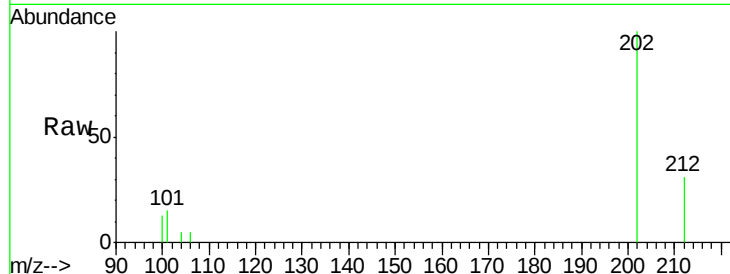
#17
Pyrene
 Concen: 0.873 ng/ul
 RT: 19.66 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: BE093794.D
 Acq: 14 Aug 2017 19:27

Instrument :
 BNA_E
 ClientSampleId :
 C0AC5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.3	18.2	27.4#
100	12.6	15.6	23.4#

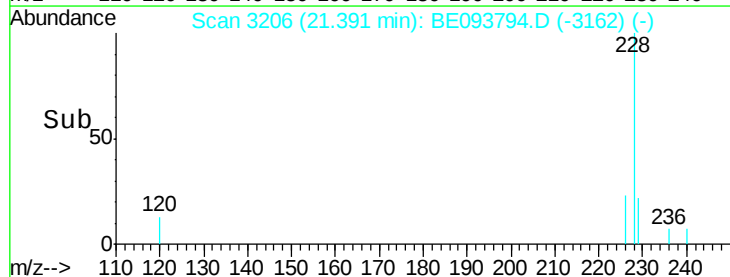
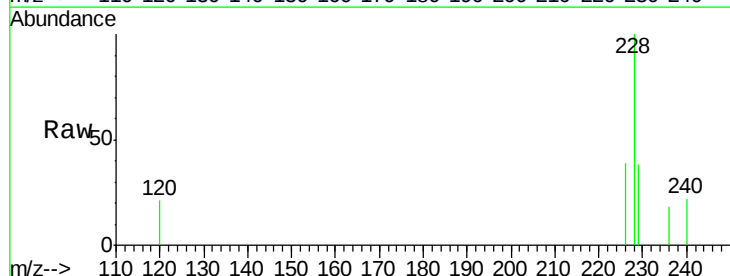
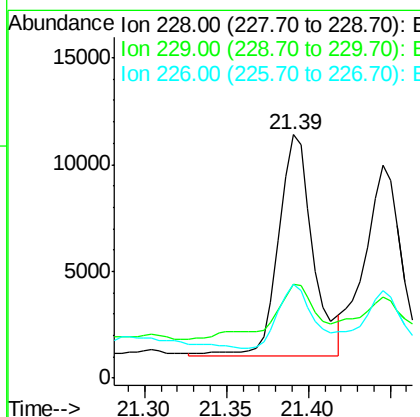
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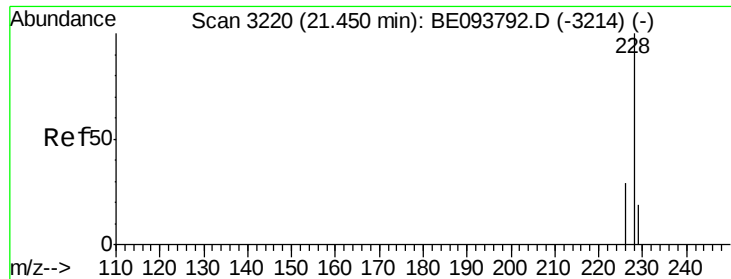
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#18
Benzo(a)anthracene
 Concen: 0.292 ng/ul
 RT: 21.39 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: BE093794.D
 Acq: 14 Aug 2017 19:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	38.4	22.8	34.2#
226	38.6	17.0	25.6#





#19

Chrysene

Concen: 0.285 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. 0.00 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

ClientSampled :

C0AC5

Tgt Ion: 228 Resp: 14248

Ion Ratio Lower Upper

228 100

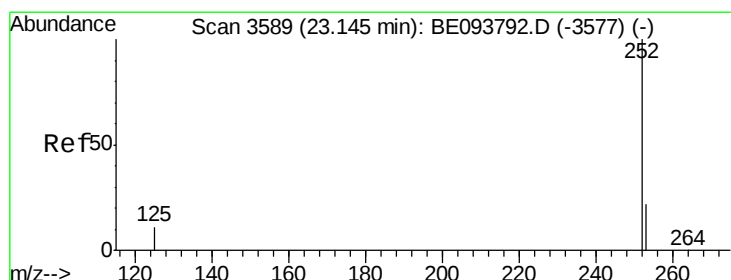
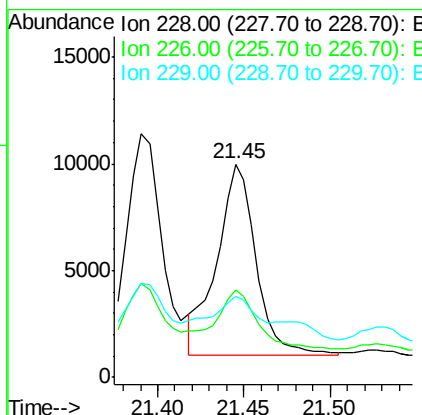
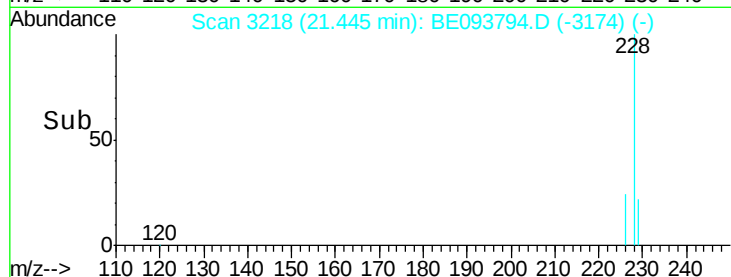
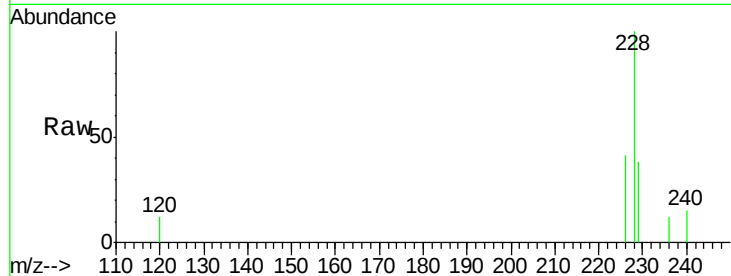
226 40.7 23.4 35.0#

229 38.1 17.7 26.5#

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#21

Benzo(b)fluoranthene

Concen: 0.266 ng/ul m

RT: 23.14 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27

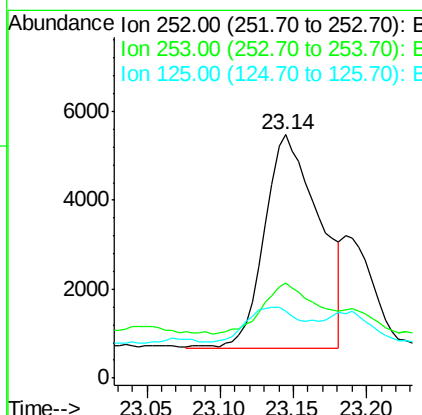
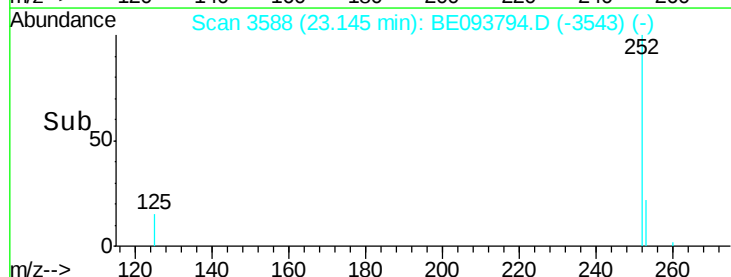
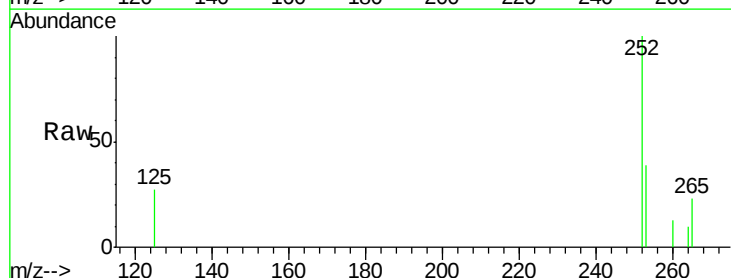
Tgt Ion: 252 Resp: 12694

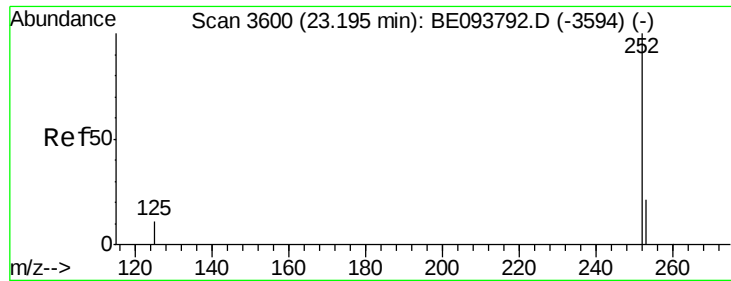
Ion Ratio Lower Upper

252 100

253 38.9 0.0 64.2

125 27.4 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.083 ng/ul m

RT: 23.19 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE093794.D

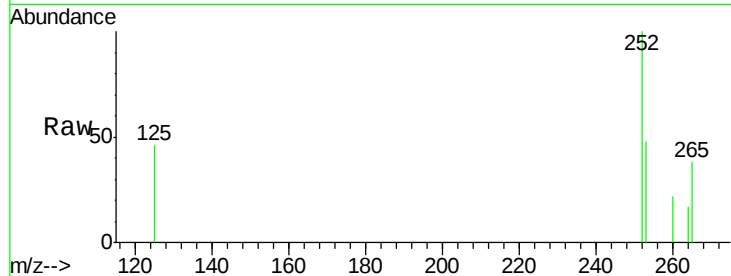
Acq: 14 Aug 2017 19:27

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 252 Resp: 3920

Ion Ratio Lower Upper

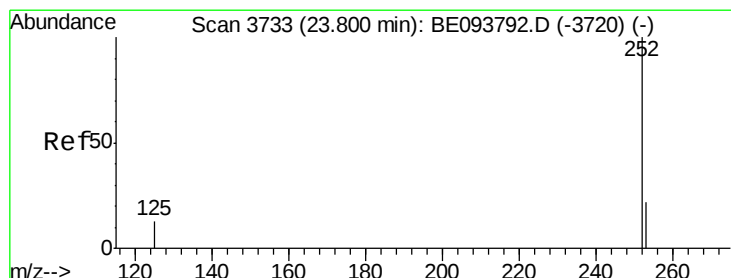
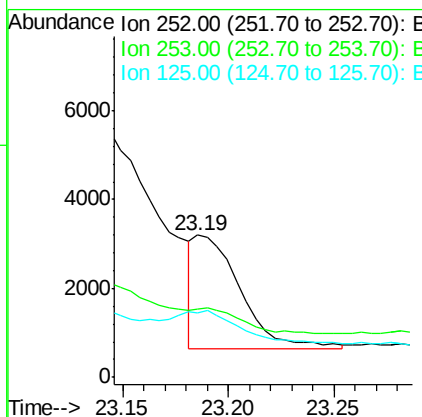
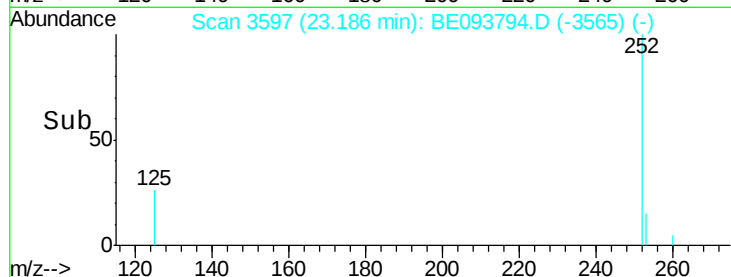
252 100

253 48.0 24.5 36.7#

125 45.6 13.7 20.5#

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#23

Benzo(a)pyrene

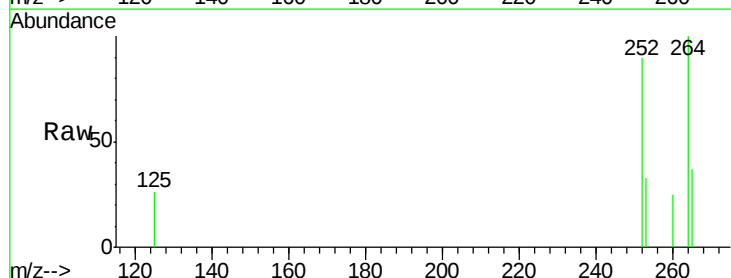
Concen: 0.242 ng/ul m

RT: 23.80 min Scan# 3732

Delta R.T. 0.01 min

Lab File: BE093794.D

Acq: 14 Aug 2017 19:27



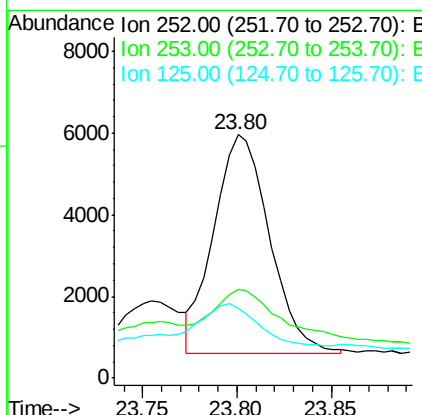
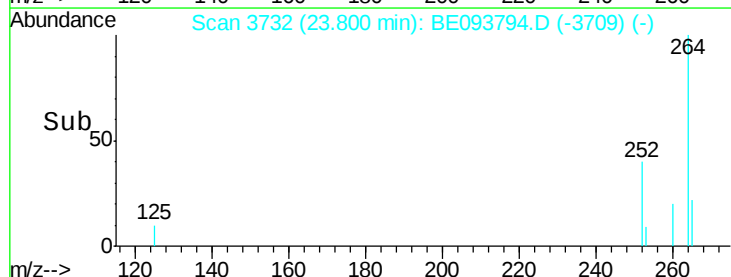
Tgt Ion: 252 Resp: 11012

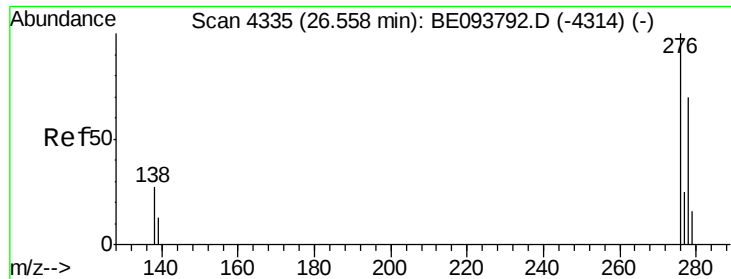
Ion Ratio Lower Upper

252 100

253 36.3 28.5 42.7

125 28.6 18.1 27.1#





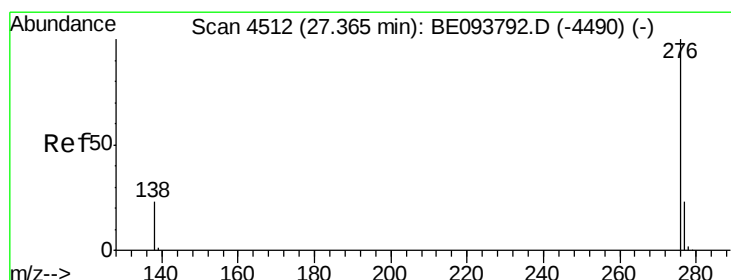
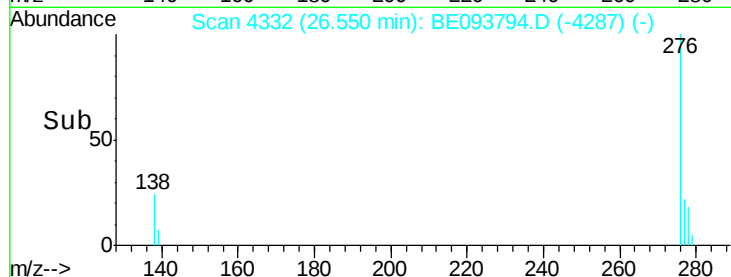
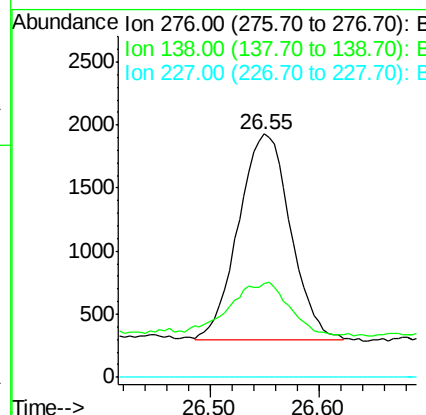
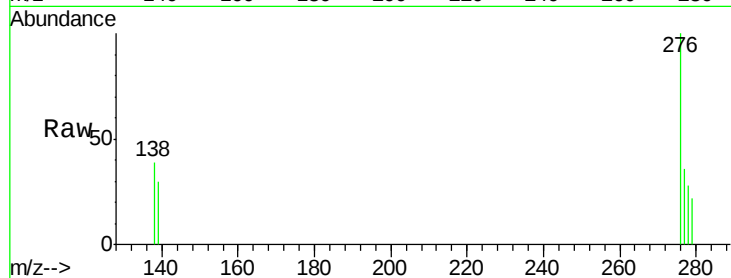
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.108 ng/ul m
 RT: 26.55 min Scan# 4332
 Delta R.T. 0.00 min
 Lab File: BE093794.D
 Acq: 14 Aug 2017 19:27

Instrument :
 BNA_E
 ClientSampled :
 C0AC5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.9	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:43:29 PM



#26
 Benzo(g,h,i)perylene
 Concen: 0.114 ng/ul m
 RT: 27.37 min Scan# 4512
 Delta R.T. 0.00 min
 Lab File: BE093794.D
 Acq: 14 Aug 2017 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.0	21.8	32.8#
277	37.1	20.5	30.7#

