

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
 Data File : BE093188.D
 Acq On : 15 Jun 2017 2:31
 Operator : SJ/MA
 Sample : I3522-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C84

Manual Integrations
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Quant Time: Jun 15 04:47:35 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 03:59:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3878	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	20565	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	12455	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	28845	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	29813	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	26453m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	4912	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	12150	0.15	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.57	128	10273	0.201	ng/ul#	93
5) 2-Methylnaphthalene	12.18	142	3057	0.088	ng/ul	99
7) Acenaphthylene	14.08	152	137802	2.578	ng/ul	96
8) Acenaphthene	14.43	153	4986	0.116	ng/ul	97
9) Fluorene	15.42	166	6251	0.124	ng/ul	88
12) Phenanthrene	17.14	178	184048	2.319	ng/ul#	85
13) Anthracene	17.22	178	196987	2.851	ng/ul#	86
15) Fluoranthene	19.16	202	2712996	27.875	ng/ul	83
17) Pyrene	19.52	202	2844212	32.350	ng/ul#	89
18) Benzo(a)anthracene	21.25	228	1406484	17.686	ng/ul#	84
19) Chrysene	21.30	228	1748131	21.191	ng/ul	97
21) Benzo(b)fluoranthene	22.94	252	2135902	26.606	ng/ul	88
22) Benzo(k)fluoranthene	22.99	252	843108m	9.889	ng/ul	
23) Benzo(a)pyrene	23.57	252	967809m	12.750	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	596692m	6.789	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	163566m	2.210	ng/ul	
26) Benzo(g,h,i)perylene	26.97	276	392332	5.205	ng/ul	97

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

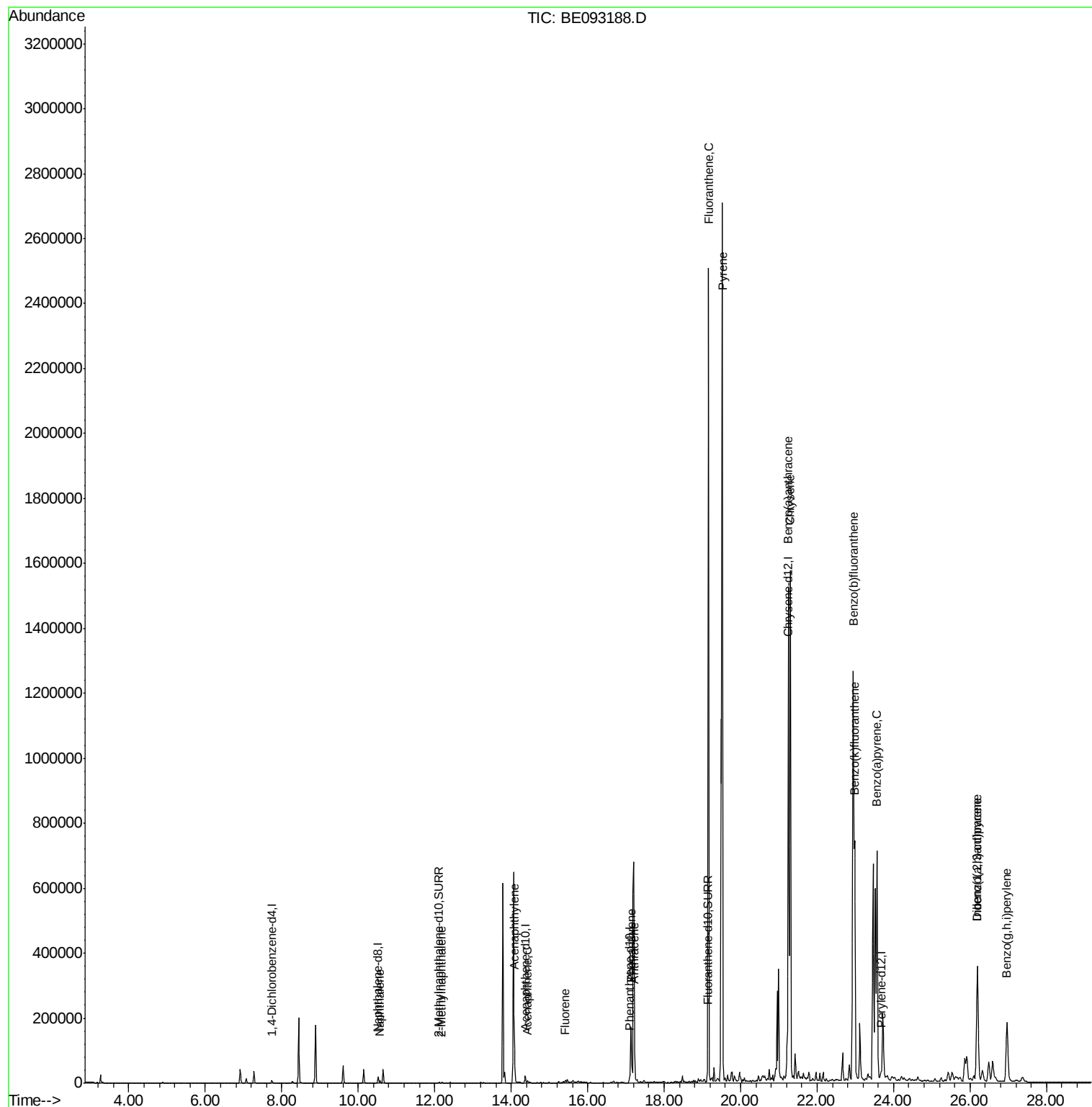
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
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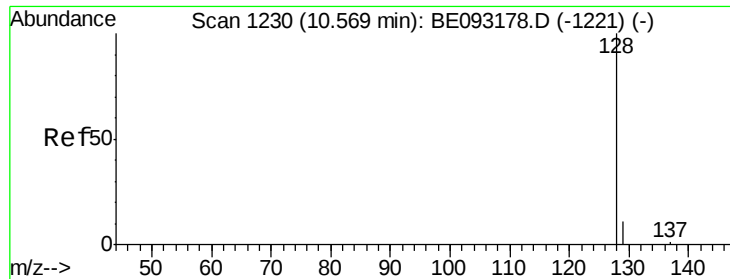
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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#3

Naphthalene

Concen: 0.201 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

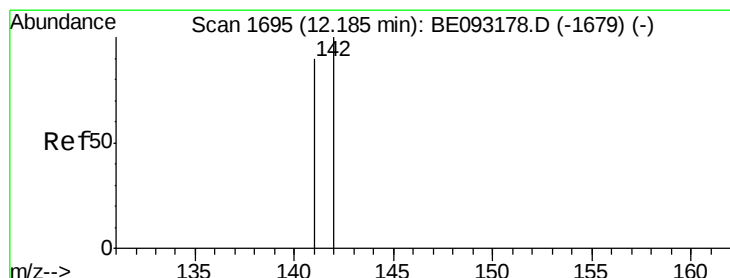
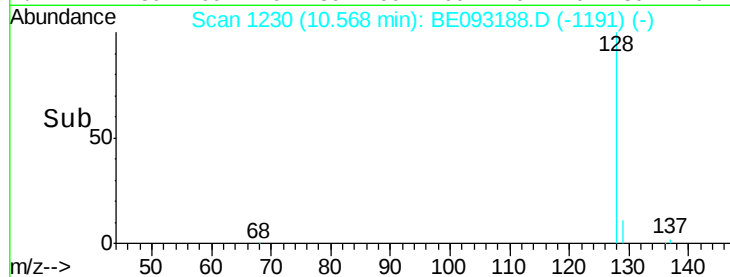
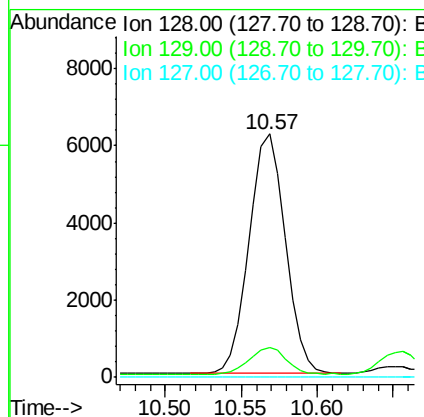
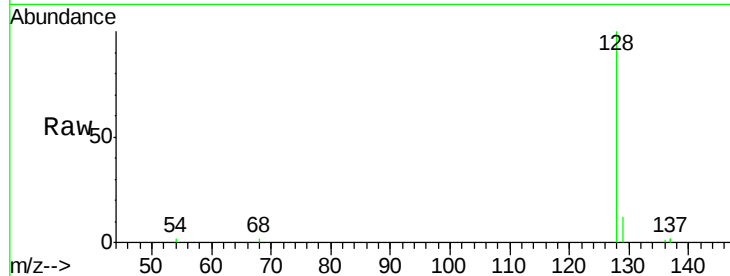
ClientSampleId :

F5C84

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 0.088 ng/ul

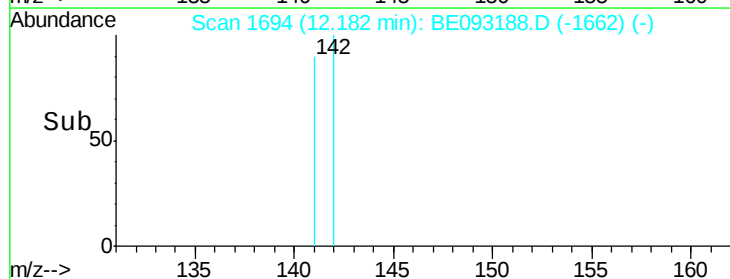
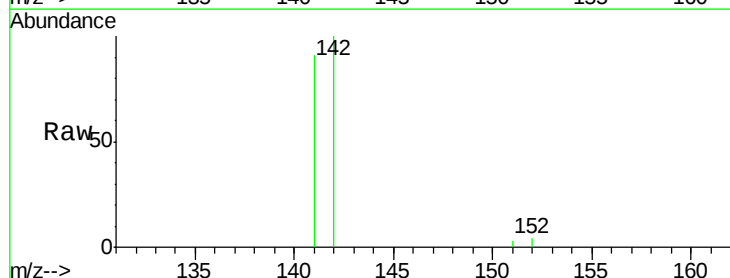
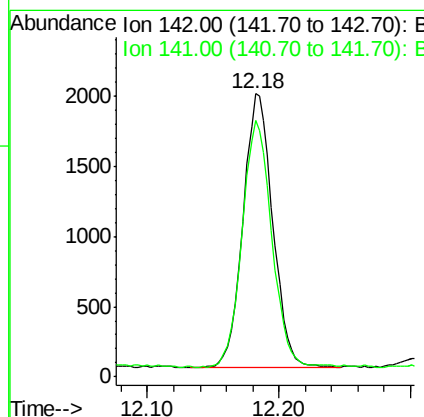
RT: 12.18 min Scan# 1694

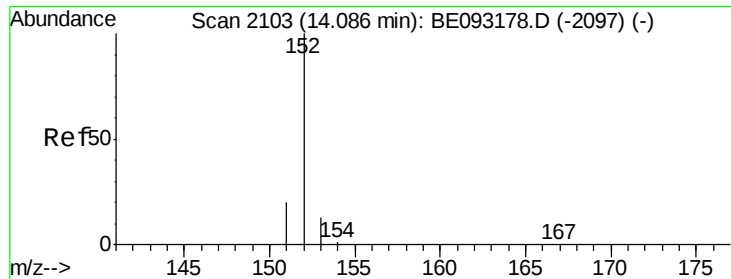
Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.6	108.8





#7

Acenaphthylene

Concen: 2.578 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

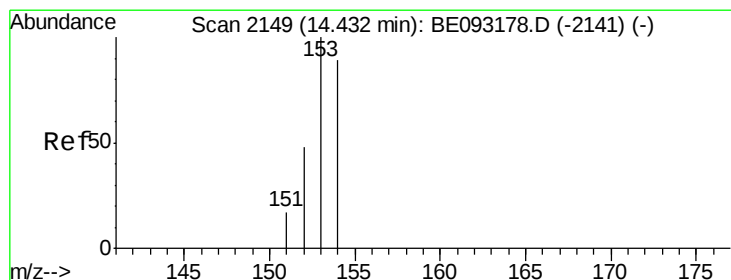
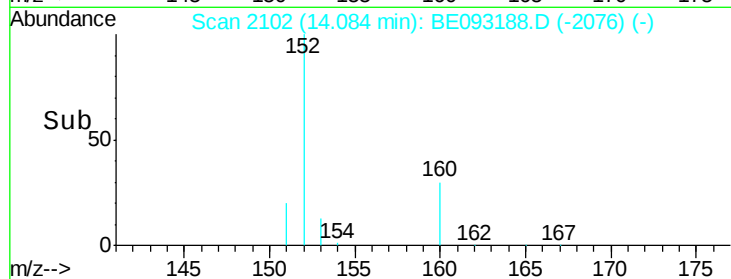
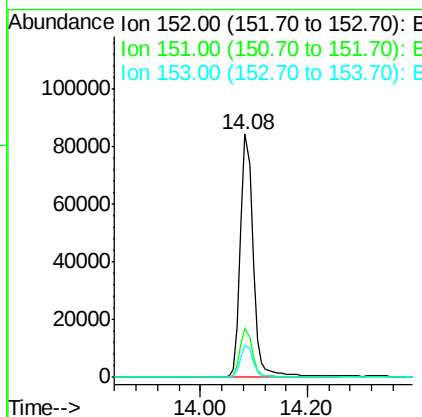
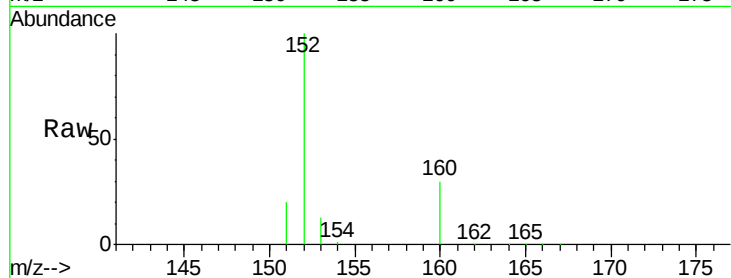
ClientSampleId :

F5C84

Tgt Ion:	152	Resp:	137802
Ion Ratio	Lower	Upper	
152	100		
151	20.1	17.1	25.7
153	13.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.116 ng/ul

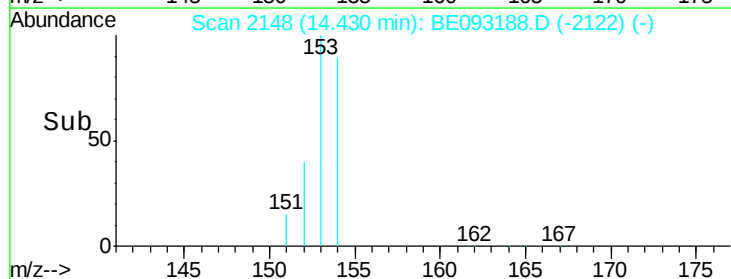
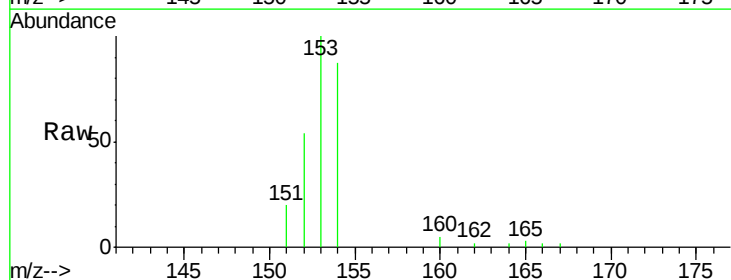
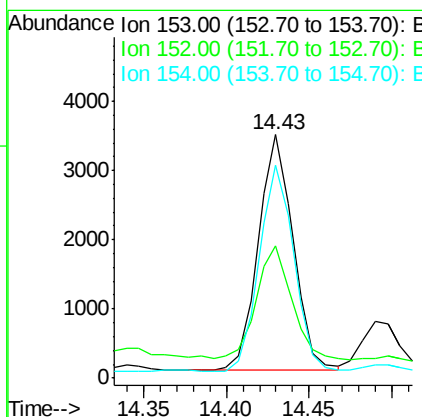
RT: 14.43 min Scan# 2148

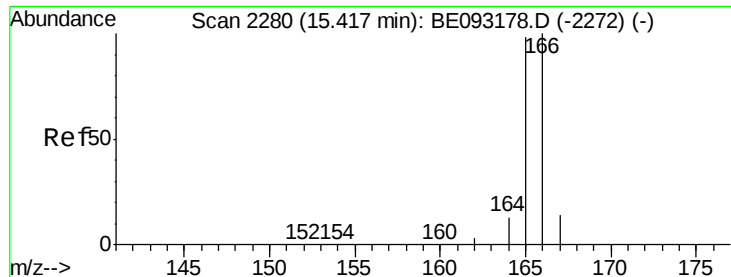
Delta R.T. -0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Tgt Ion:	153	Resp:	4986
Ion Ratio	Lower	Upper	
153	100		
152	54.4	40.3	60.5
154	87.4	71.4	107.2





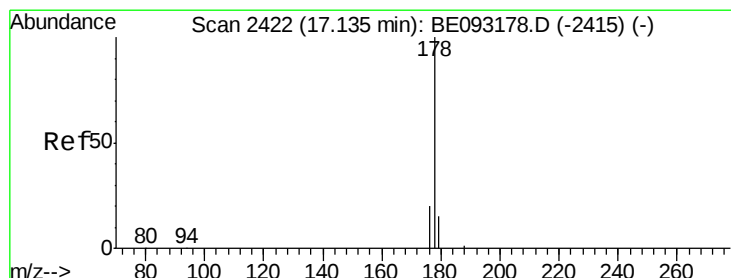
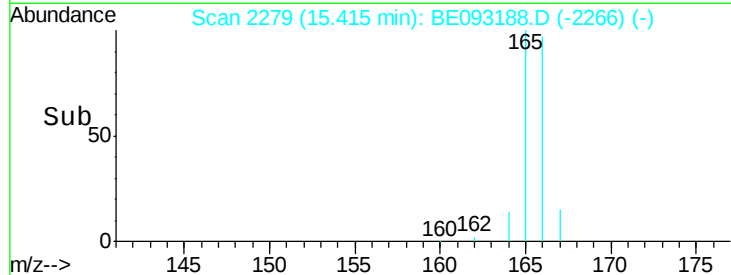
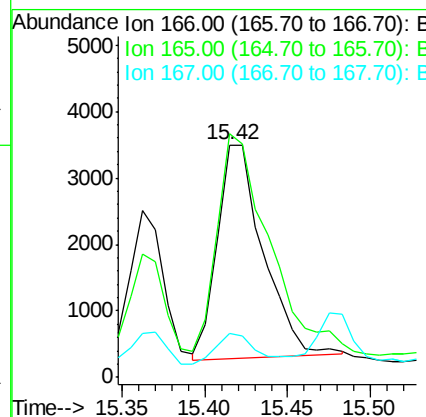
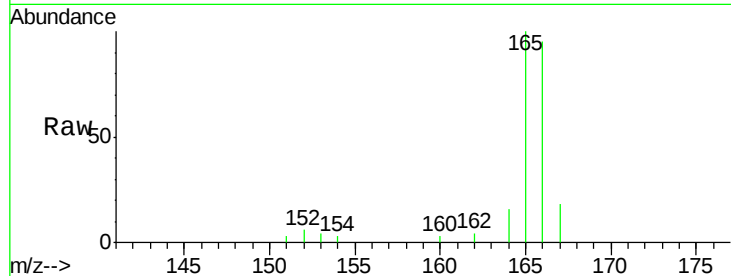
#9
Fluorene
 Concen: 0.124 ng/ul
 RT: 15.42 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Instrument :
 BNA_E
 ClientSampleId :
 F5C84

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.8	73.4	110.2
167	18.9	14.6	22.0

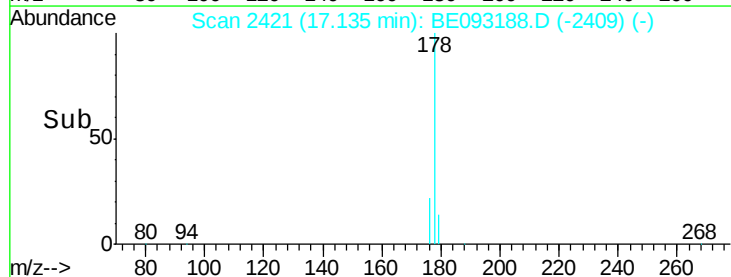
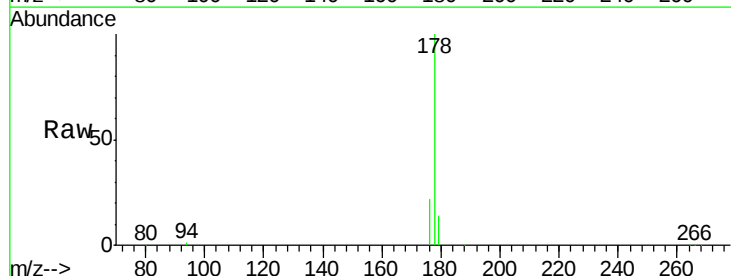
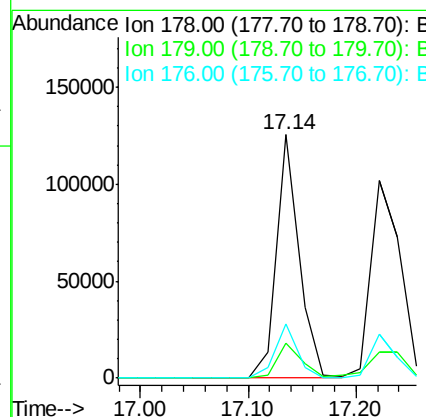
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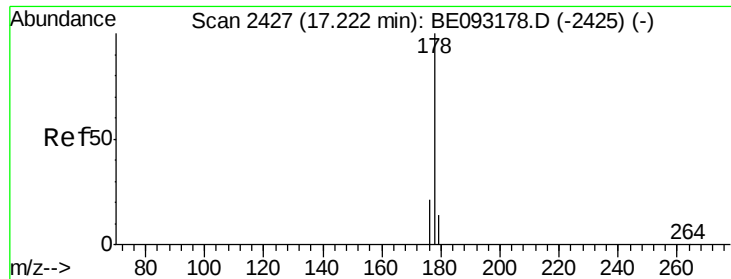
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#12
Phenanthrene
 Concen: 2.319 ng/ul
 RT: 17.14 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.5	18.4	27.6#
176	22.2	13.6	20.4#





#13

Anthracene

Concen: 2.851 ng/ul

RT: 17.22 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

F5C84

Tgt Ion:178 Resp: 196987

Ion Ratio Lower Upper

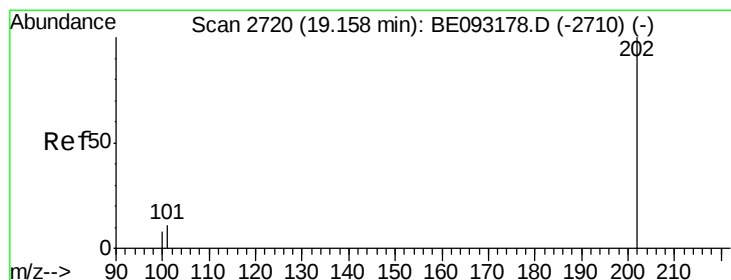
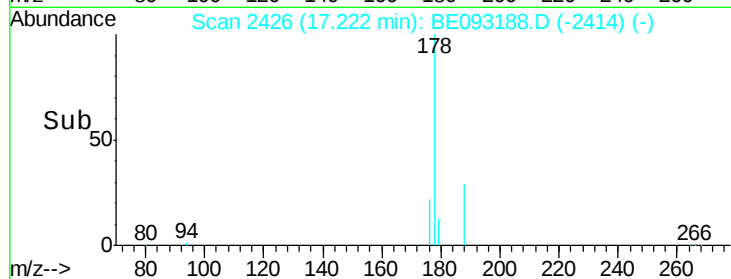
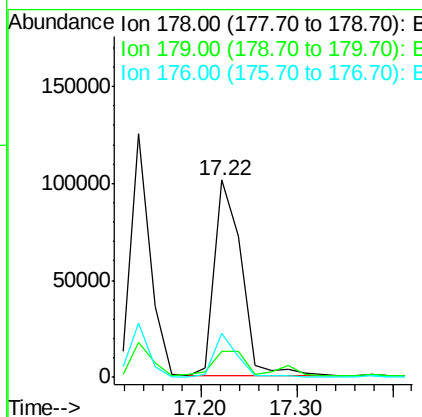
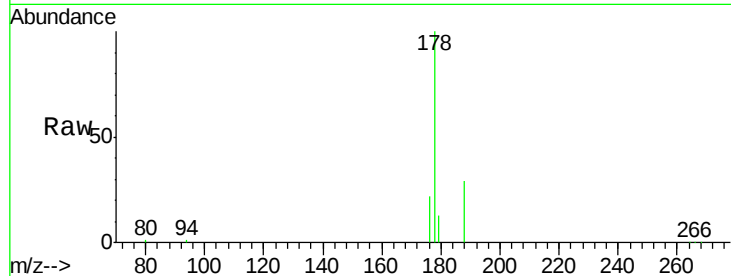
178 100

179 13.5 18.1 27.1#

176 22.1 14.7 22.1#

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#15

Fluoranthene

Concen: 27.875 ng/ul

RT: 19.16 min Scan# 2720

Delta R.T. 0.01 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

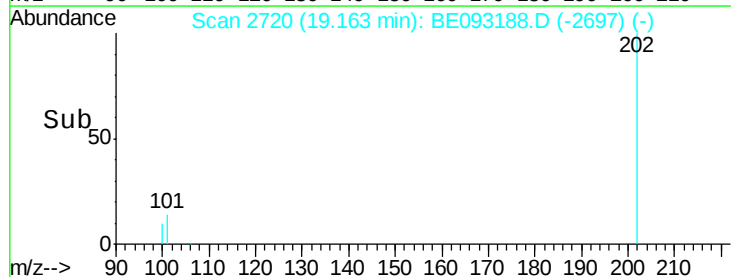
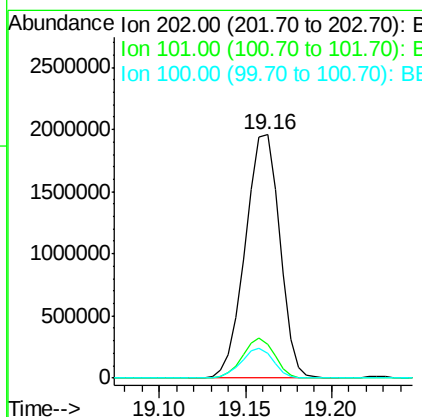
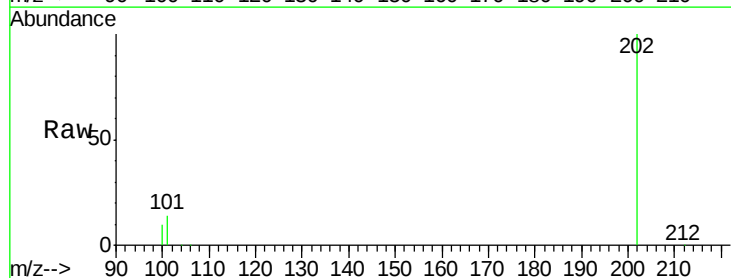
Tgt Ion:202 Resp: 2712996

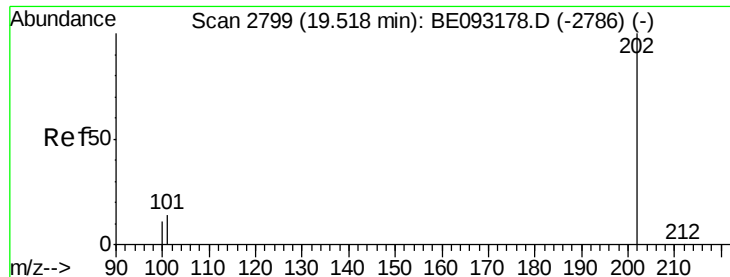
Ion Ratio Lower Upper

202 100

101 14.0 0.0 30.3

100 10.2 0.0 39.5





#17

Pyrene

Concen: 32.350 ng/ul

RT: 19.52 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampled :

F5C84

Tgt Ion: 202 Resp: 2844212

Ion Ratio Lower Upper

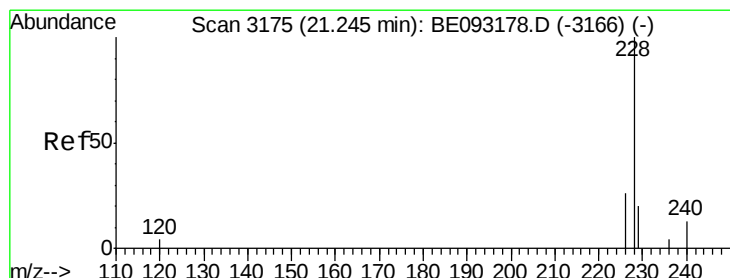
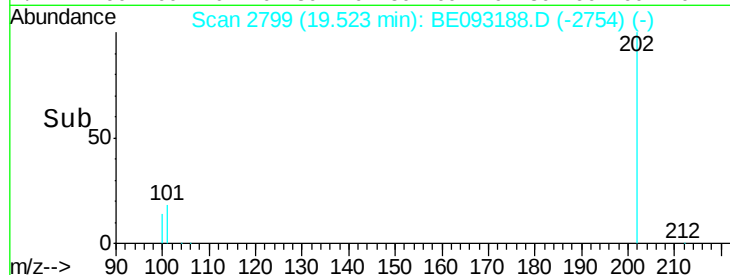
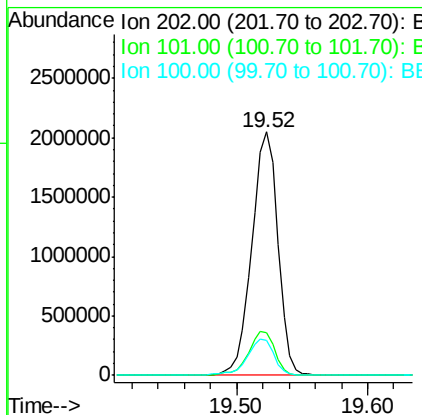
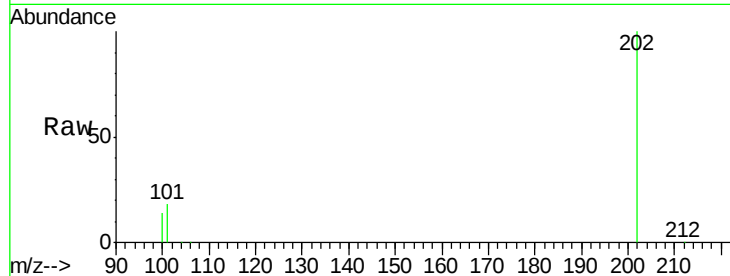
202 100

101 17.7 18.2 27.4#

100 14.3 15.6 23.4#

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#18

Benzo(a)anthracene

Concen: 17.686 ng/ul

RT: 21.25 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

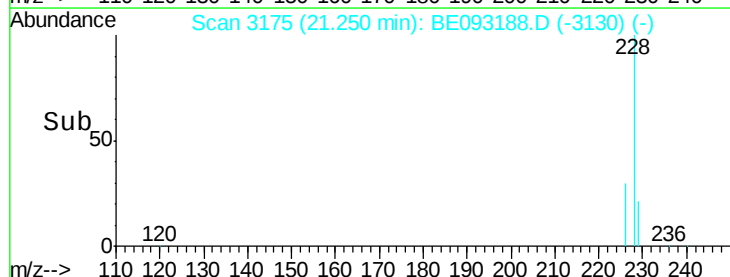
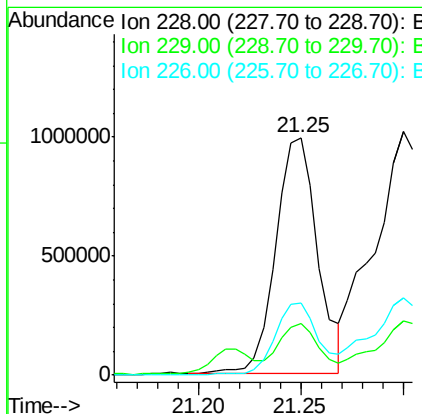
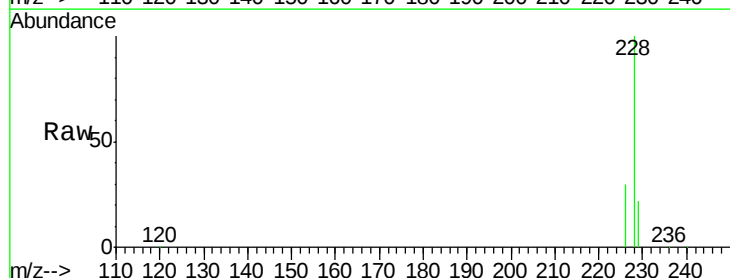
Tgt Ion: 228 Resp: 1406484

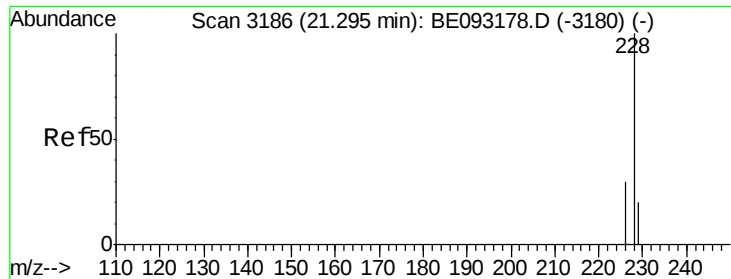
Ion Ratio Lower Upper

228 100

229 21.6 22.8 34.2#

226 30.2 17.0 25.6#





#19

Chrysene

Concen: 21.191 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:228 Resp: 1748131

Ion Ratio Lower Upper

228 100

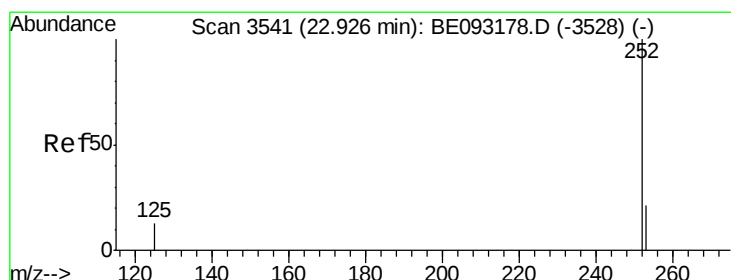
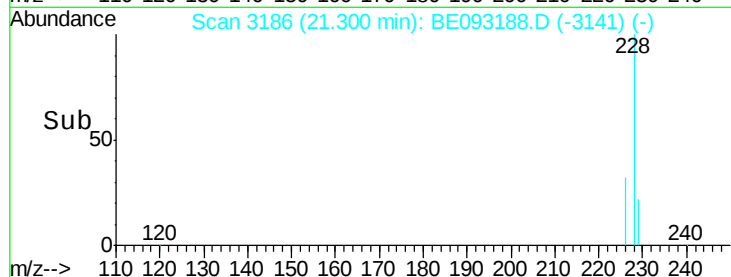
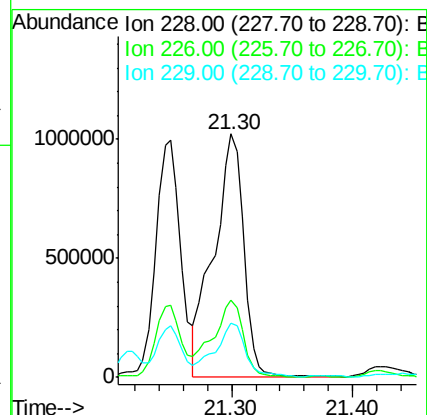
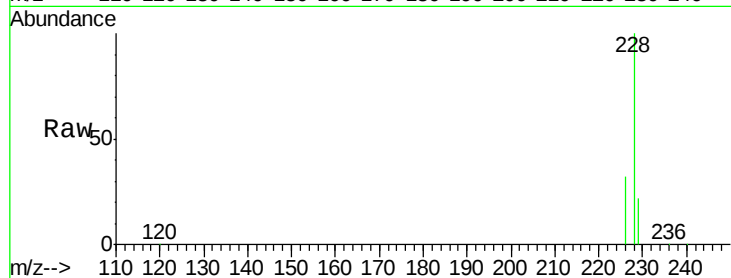
226 31.9 23.4 35.0

229 22.0 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 26.606 ng/ul

RT: 22.94 min Scan# 3544

Delta R.T. 0.02 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

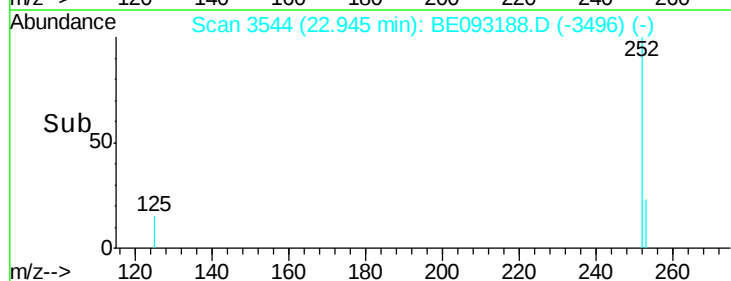
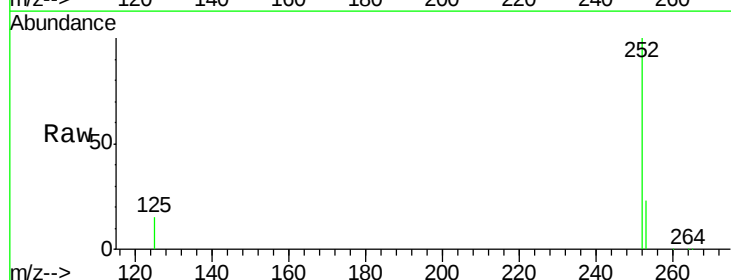
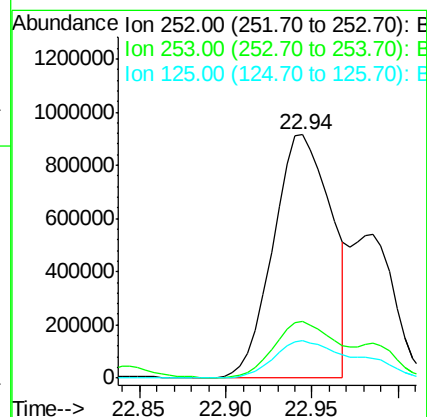
Tgt Ion:252 Resp: 2135902

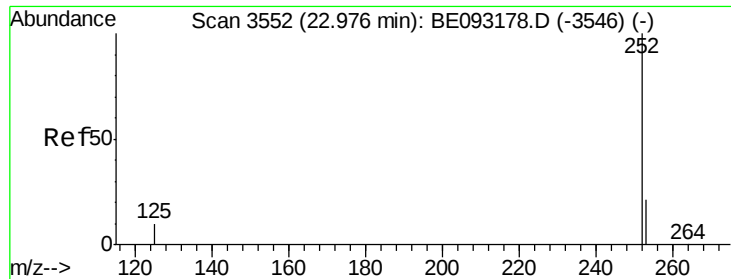
Ion Ratio Lower Upper

252 100

253 23.2 0.0 64.2

125 15.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 9.889 ng/ul m

RT: 22.99 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Instrument :

BNA_E

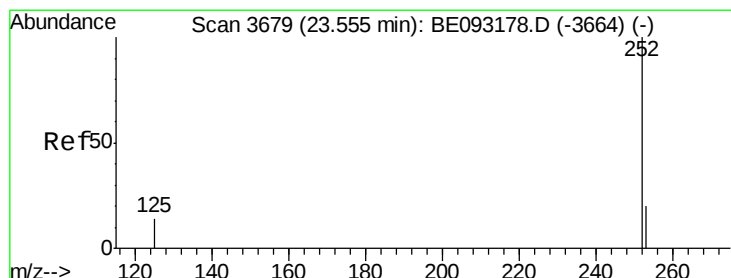
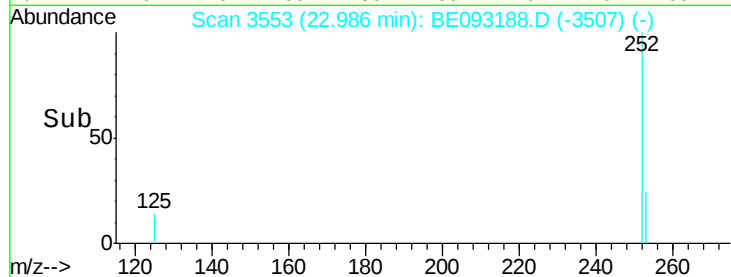
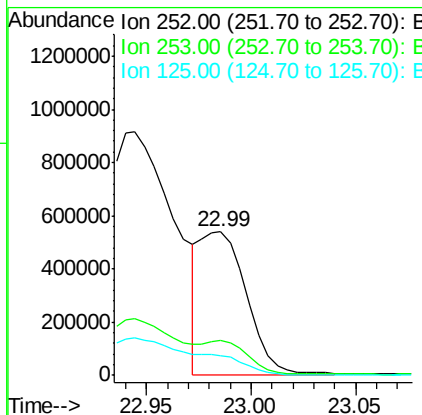
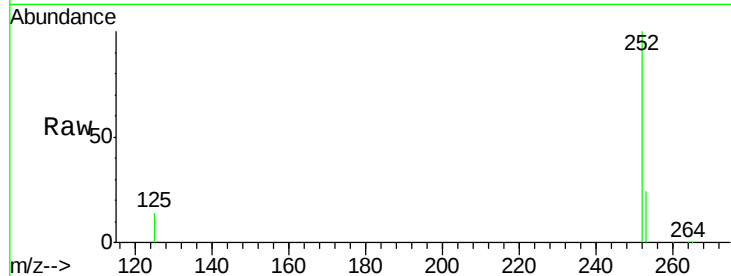
ClientSampleId :

F5C84

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	24.5	36.7#
125	14.0	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 12.750 ng/ul m

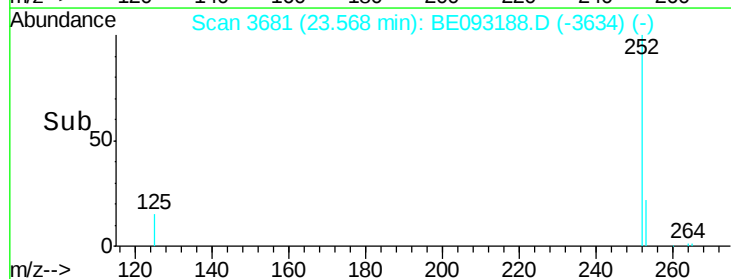
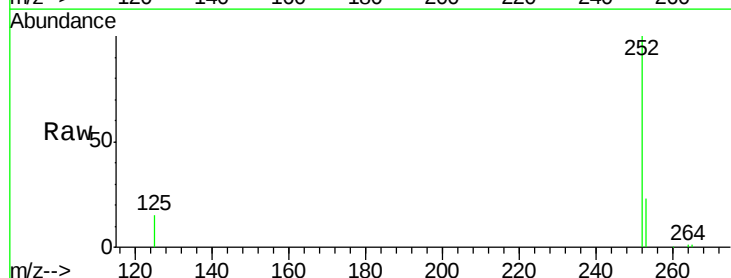
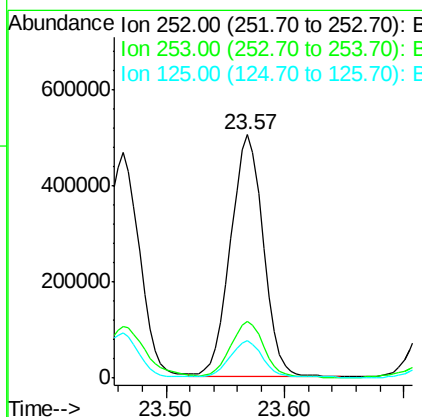
RT: 23.57 min Scan# 3681

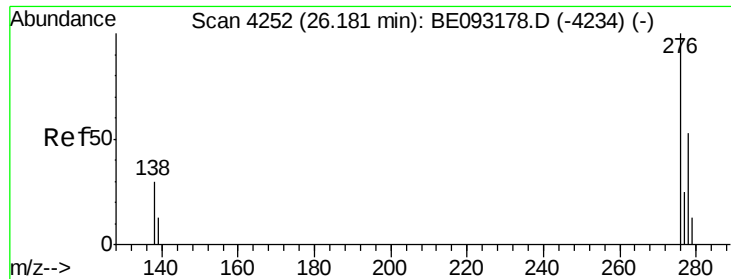
Delta R.T. 0.01 min

Lab File: BE093188.D

Acq: 15 Jun 2017 2:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	28.5	42.7#
125	15.4	18.1	27.1#





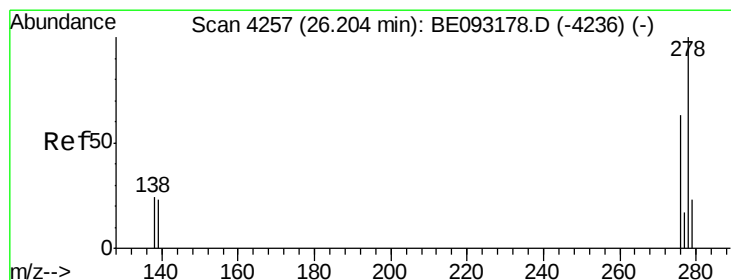
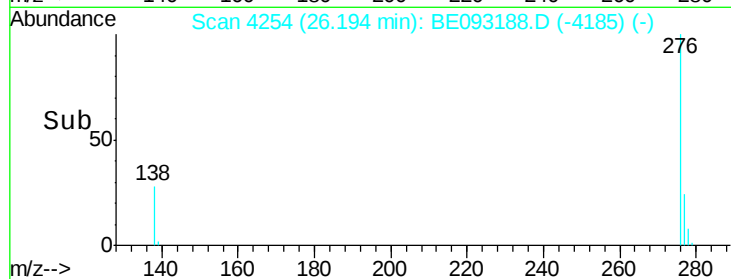
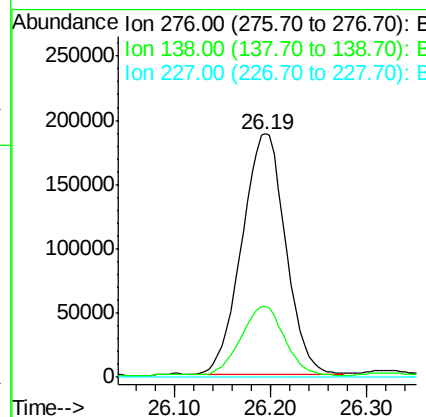
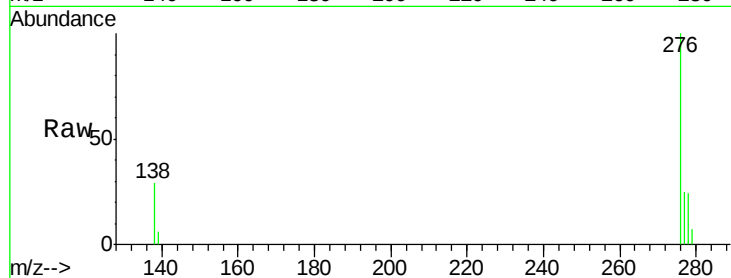
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 6.789 ng/ul m
 RT: 26.19 min Scan# 4254
 Delta R.T. 0.01 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Instrument :
 BNA_E
 ClientSampleId :
 F5C84

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	3.3	28.0	42.0#
227	0.0	8.0	12.0#

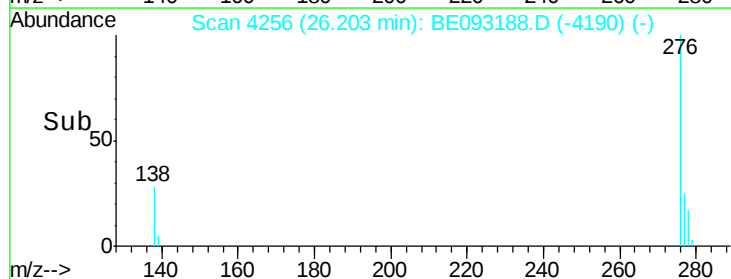
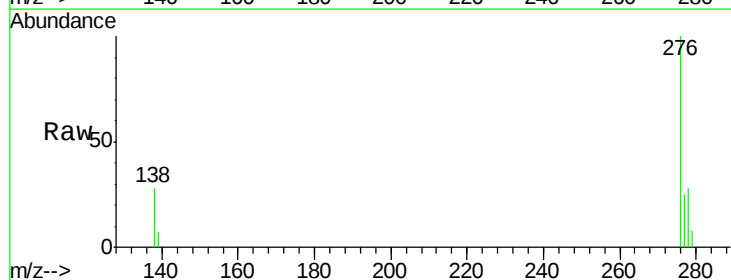
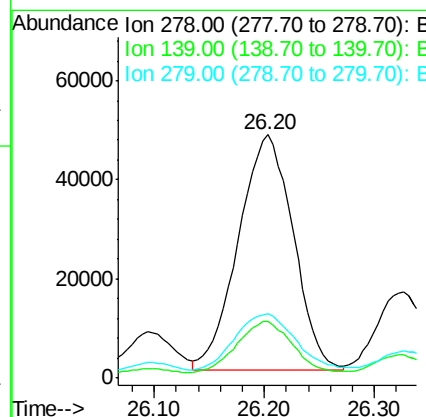
Manual Integrations
 APPROVED

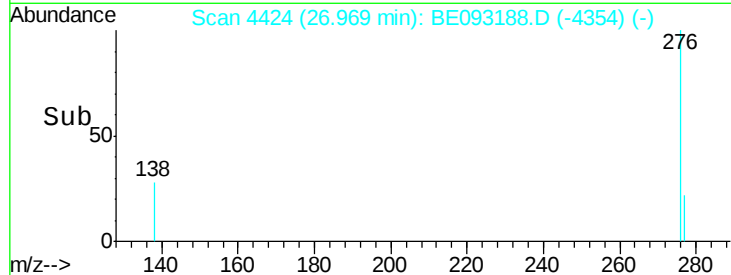
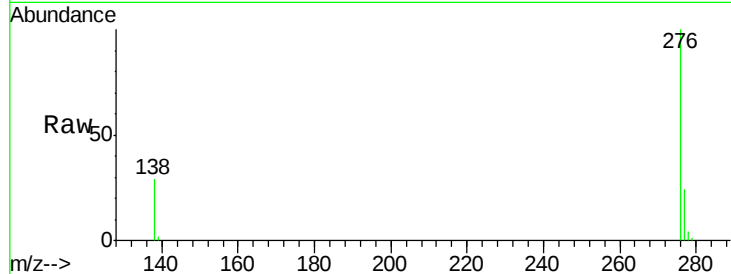
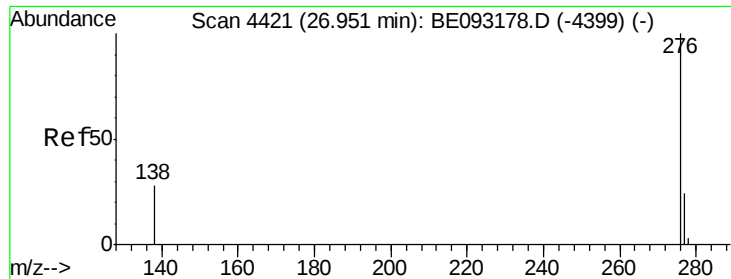
mohammad
 6/15/2017 3:54:03 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 2.210 ng/ul m
 RT: 26.20 min Scan# 4256
 Delta R.T. -0.00 min
 Lab File: BE093188.D
 Acq: 15 Jun 2017 2:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	23.1	17.4	26.0
279	26.6	25.9	38.9





#26
Benzo(g,h,i)perylene
Concen: 5.205 ng/ul
RT: 26.97 min Scan# 4424
Delta R.T. 0.02 min
Lab File: BE093188.D
Acq: 15 Jun 2017 2:31

Instrument :
BNA_E
ClientSampleId :
F5C84

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
138	29.2	21.8	32.8		
277	24.3	20.5	30.7		

Manual Integrations
APPROVED

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6/15/2017 3:54:03 PM

