

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
 Data File : BE094264.D
 Acq On : 10 Oct 2017 23:08
 Operator : SJ/JU
 Sample : I5522-15DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AC0DL

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:20:14 PM

Quant Time: Oct 11 07:58:47 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 07:23:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1940	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	9926	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5552	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	11976	0.40	ng/ul	-0.02
16) Chrysene-d12	21.41	240	12323	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	12357	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	1004	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	2344	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	1566	0.064	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	782	0.050	ng/ul	96
7) Acenaphthylene	14.24	152	1494	0.069	ng/ul#	92
8) Acenaphthene	14.57	153	2665	0.150	ng/ul	98
9) Fluorene	15.56	166	2724	0.131	ng/ul	93
12) Phenanthrene	17.29	178	58023	1.854	ng/ul#	93
13) Anthracene	17.38	178	14160	0.465	ng/ul#	92
15) Fluoranthene	19.30	202	134960	3.282	ng/ul	84
17) Pyrene	19.66	202	123168	3.592	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	69608	2.129	ng/ul#	87
19) Chrysene	21.45	228	64673	1.713	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	90320m	2.691	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	27523m	0.709	ng/ul	
23) Benzo(a)pyrene	23.80	252	62179	1.783	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.56	276	39945	1.119	ng/ul#	79
25) Dibenzo(a,h)anthracene	26.58	278	10111	0.338	ng/ul#	95
26) Benzo(a,h,i)perylene	27.39	276	32461	1.055	ng/ul	99

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

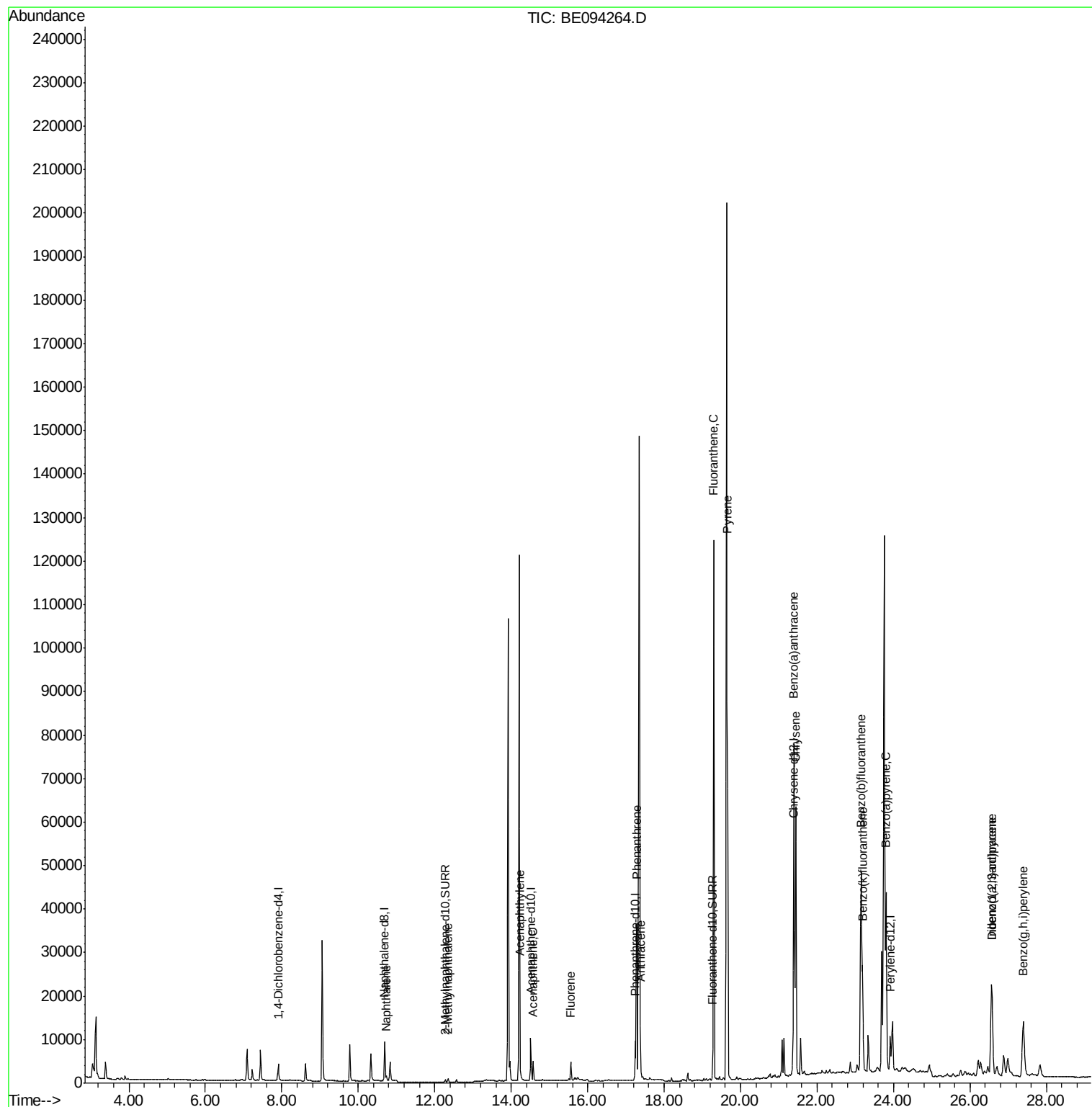
Data Path : Z:\HPCHEM1\BNA E\DATA\BE101017\
Data File : BE094264.D
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ALS Vial : 16 Sample Multiplier: 1

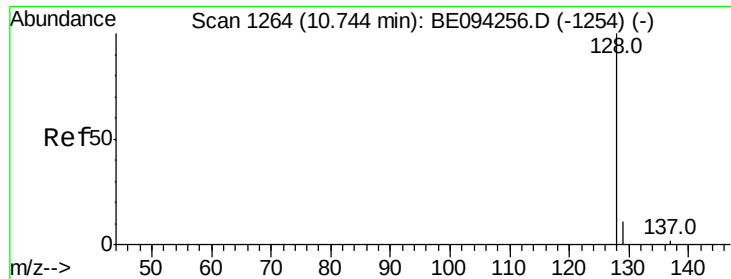
Instrument :
BNA_E
ClientSampleId :
C0AC0DL

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 0.064 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

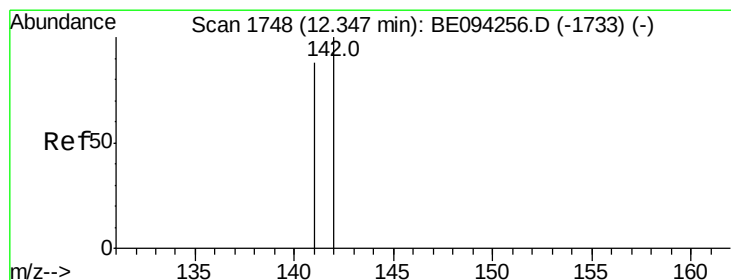
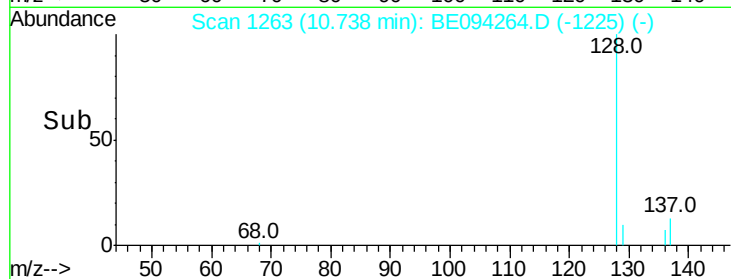
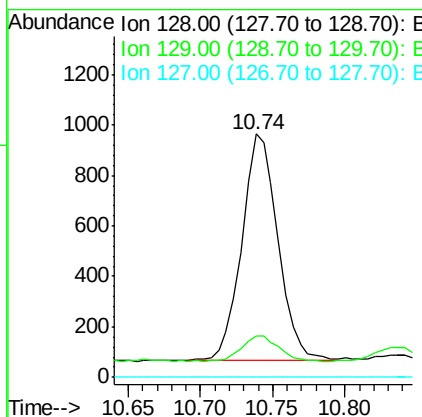
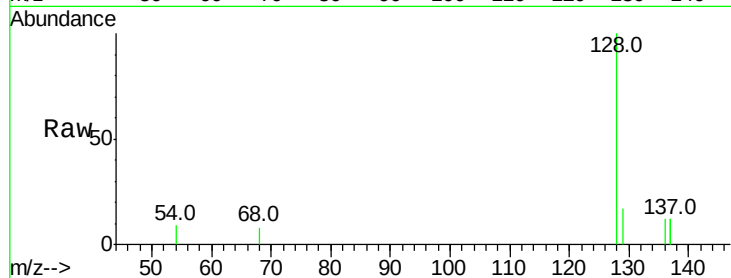
ClientSampleId :

C0AC0DL

Tot Ion:	128	Resp:	1566
Ion Ratio	Lower	Upper	
128	100		
129	16.8	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.050 ng/ul

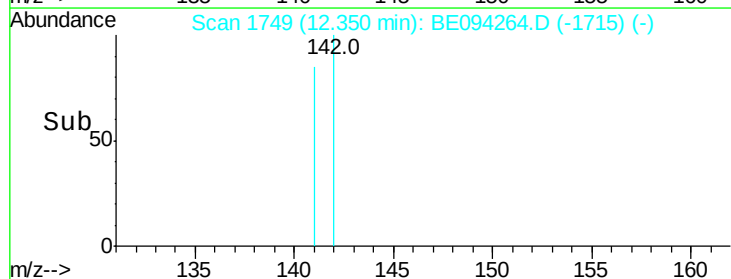
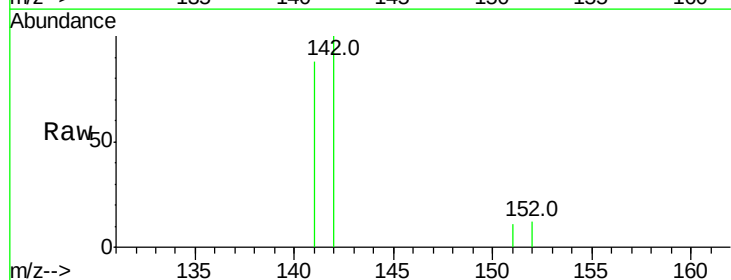
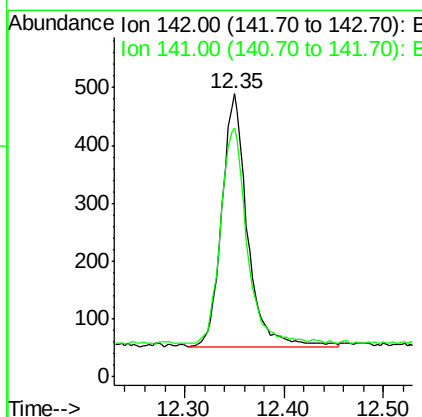
RT: 12.35 min Scan# 1749

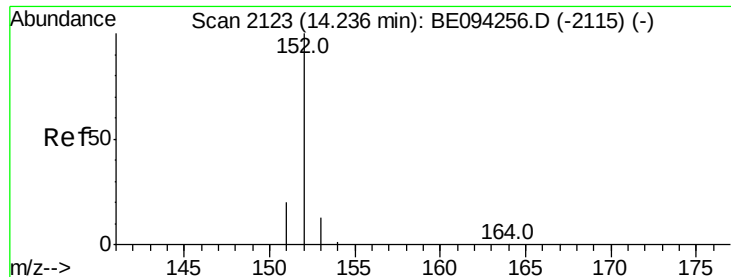
Delta R.T. 0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Tgt Ion:	142	Resp:	782
Ion Ratio	Lower	Upper	
142	100		
141	86.8	72.6	108.8





#7

Acenaphthylene

Concen: 0.069 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

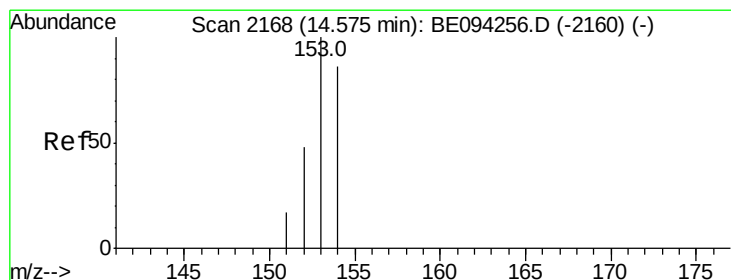
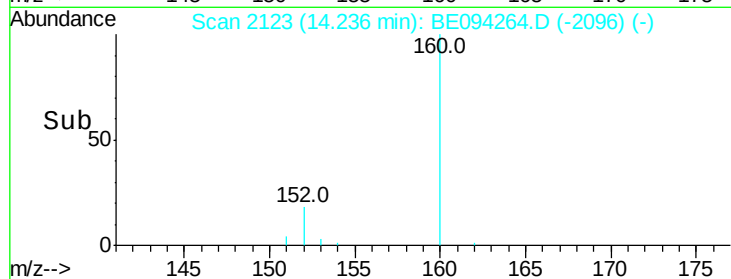
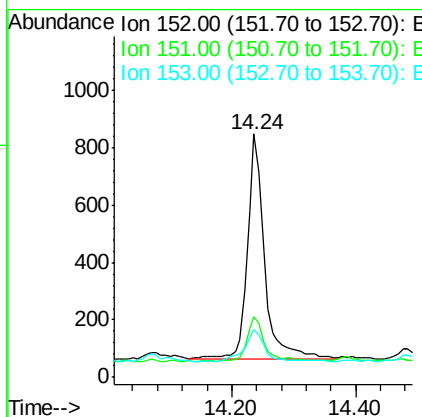
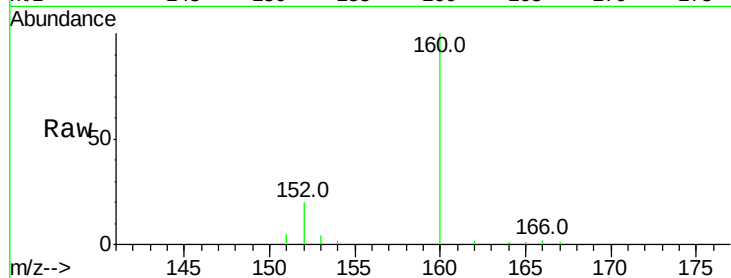
ClientSampleId :

C0AC0DL

Tot Ion:	152	Resp:	1494
Ion Ratio	Lower	Upper	
152	100		
151	24.8	17.1	25.7
153	19.7	12.8	19.2#

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#8

Acenaphthene

Concen: 0.150 ng/ul

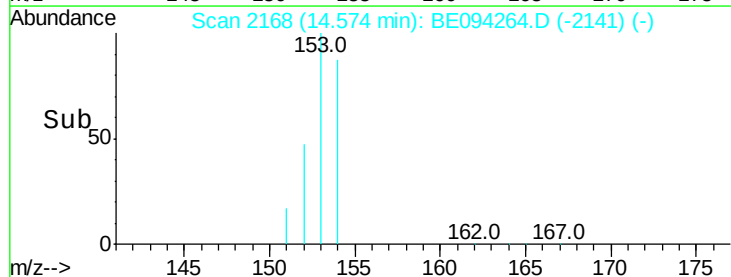
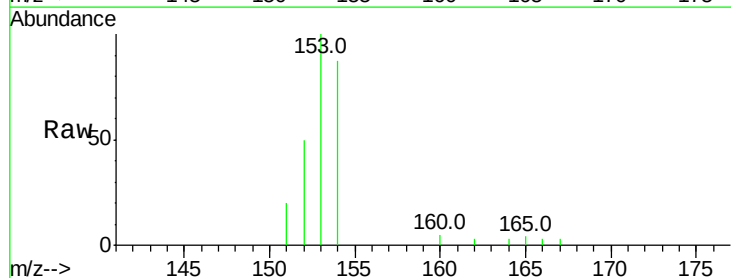
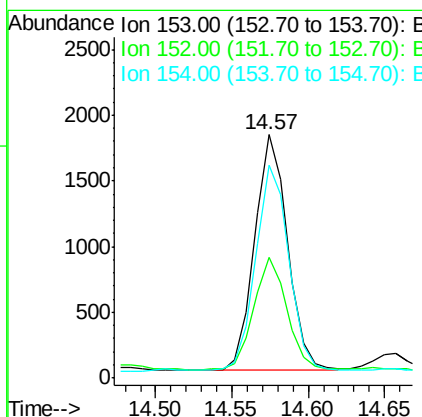
RT: 14.57 min Scan# 2168

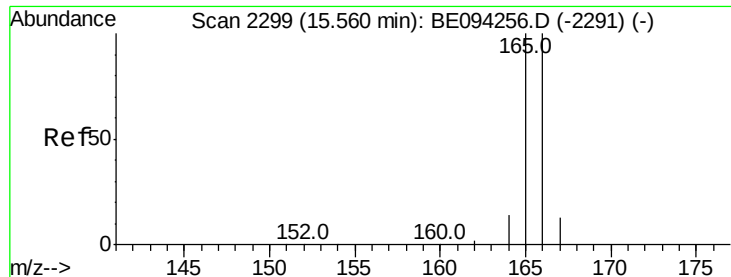
Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Tgt Ion:	153	Resp:	2665
Ion Ratio	Lower	Upper	
153	100		
152	49.7	40.3	60.5
154	87.3	71.4	107.2





#9

Fluorene

Concen: 0.131 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

ClientSampled :

C0AC0DL

Tot Ion:166 Resp: 2724

Ion Ratio Lower Upper

166 100

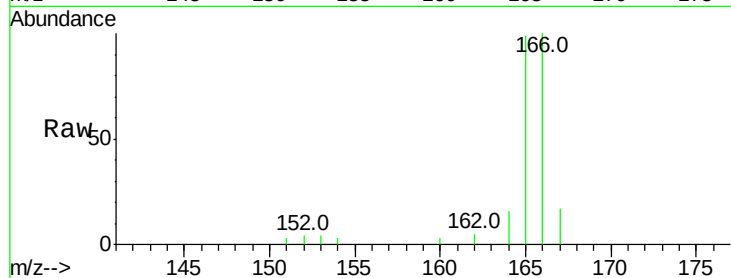
165 98.9 73.4 110.2

167 16.9 14.6 22.0

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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.56

2000

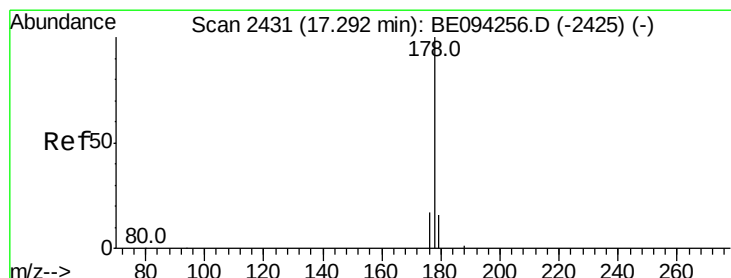
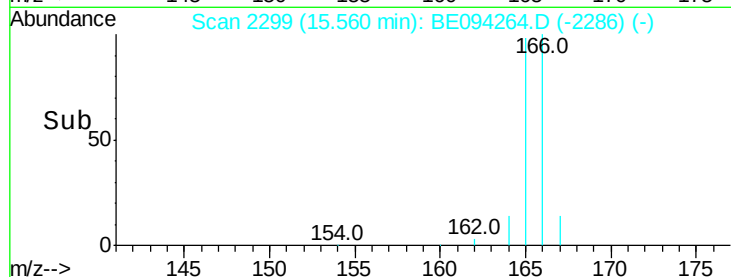
1500

1000

500

0

Time-->



#12

Phenanthrene

Concen: 1.854 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

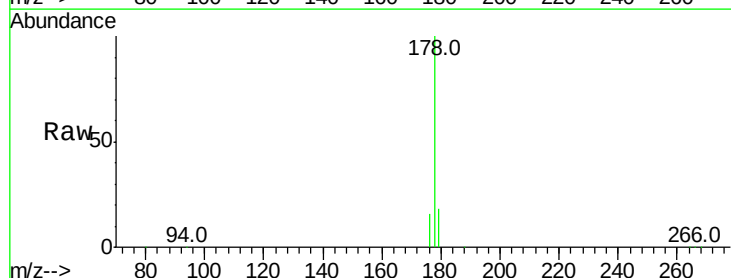
Tgt Ion:178 Resp: 58023

Ion Ratio Lower Upper

178 100

179 17.9 18.4 27.6#

176 15.9 13.6 20.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

17.29

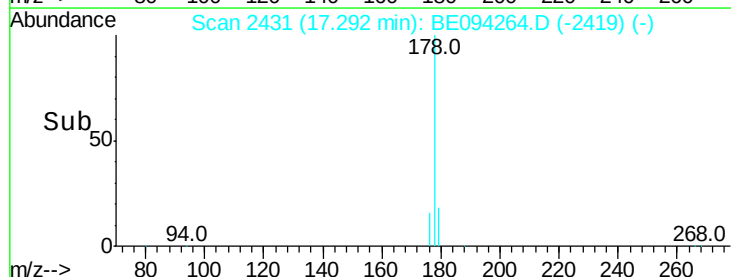
30000

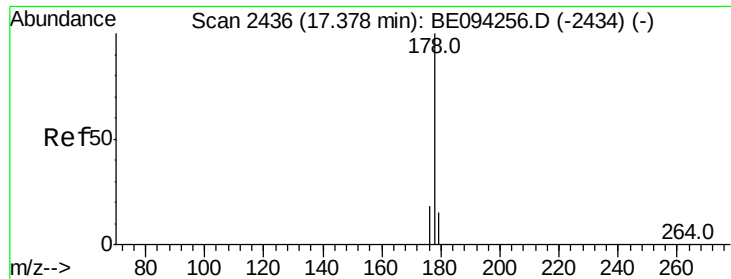
20000

10000

0

Time-->





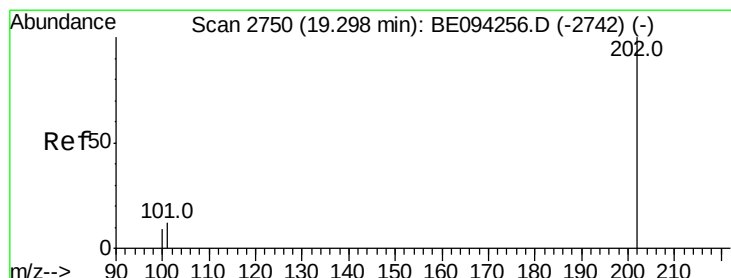
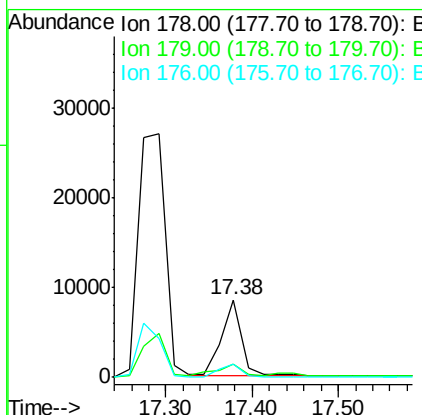
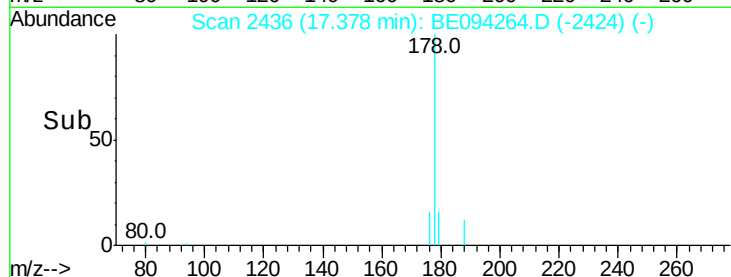
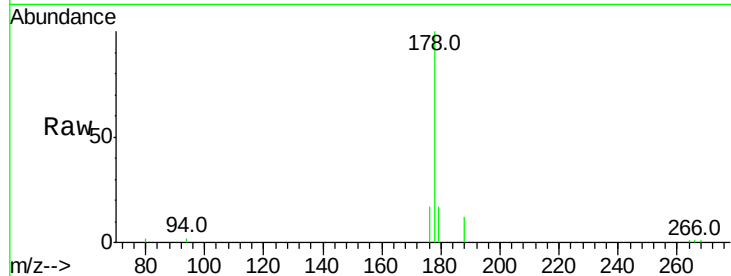
#13
 Anthracene
 Concen: 0.465 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: BE094264.D
 Acq: 10 Oct 2017 23:08

Instrument :
 BNA_E
 ClientSampleId :
 C0AC0DL

Tot Ion:178 Resp: 14160
 Ion Ratio Lower Upper
 178 100
 179 17.3 18.1 27.1#
 176 17.0 14.7 22.1

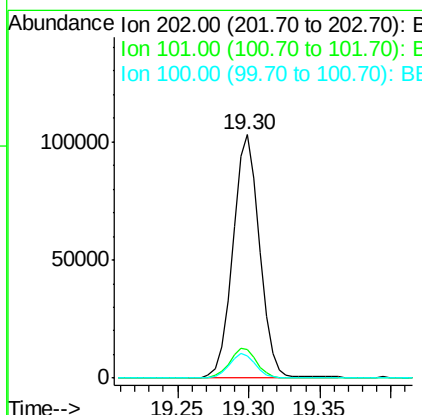
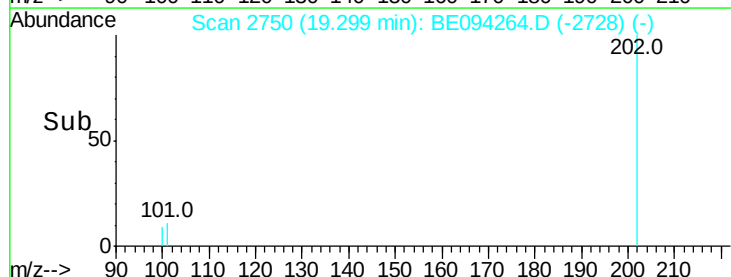
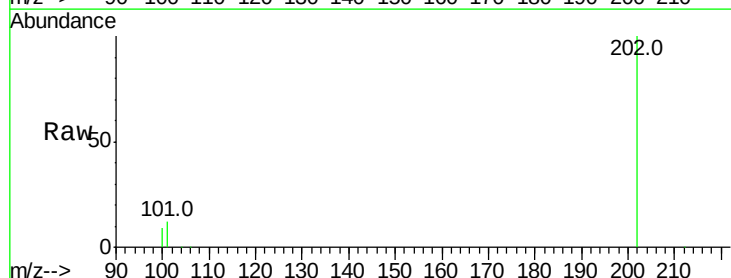
Manual Integrations
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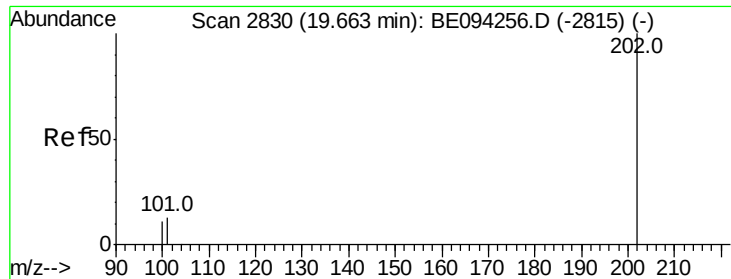
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#15
 Fluoranthene
 Concen: 3.282 ng/ul
 RT: 19.30 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: BE094264.D
 Acq: 10 Oct 2017 23:08

Tgt Ion:202 Resp: 134960
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.3
 100 9.2 0.0 39.5





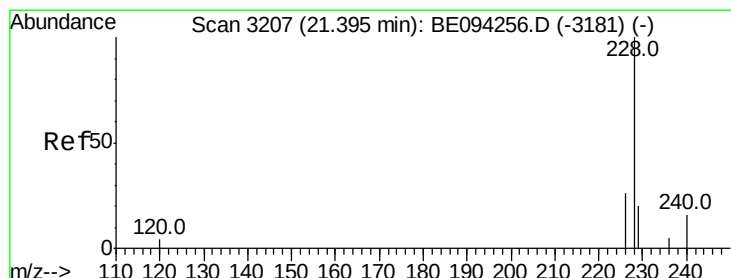
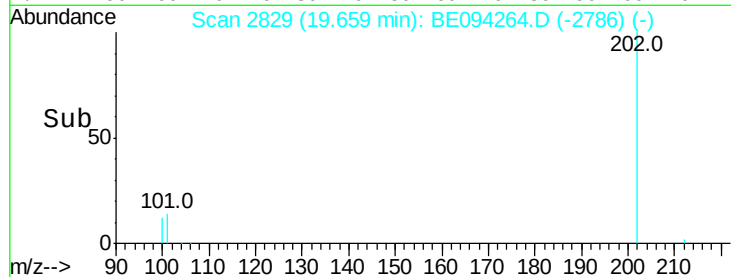
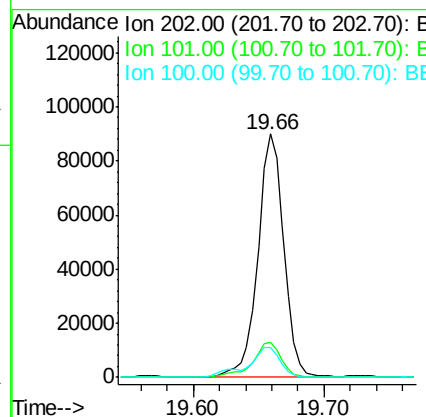
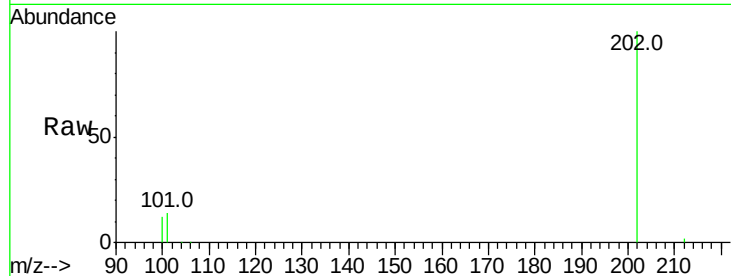
#17
Pvrene
Concen: 3.592 ng/ul
RT: 19.66 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BE094264.D
Acq: 10 Oct 2017 23:08

Instrument :
BNA_E
ClientSampleId :
C0AC0DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	18.2	27.4#
100	12.1	15.6	23.4#

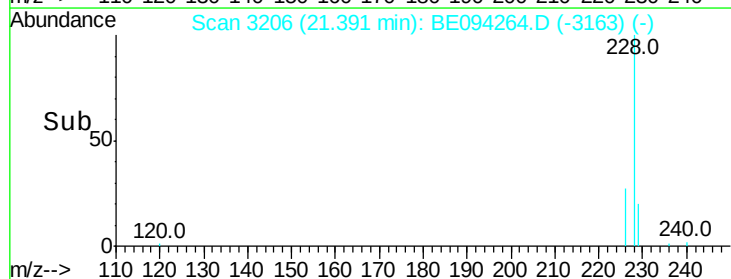
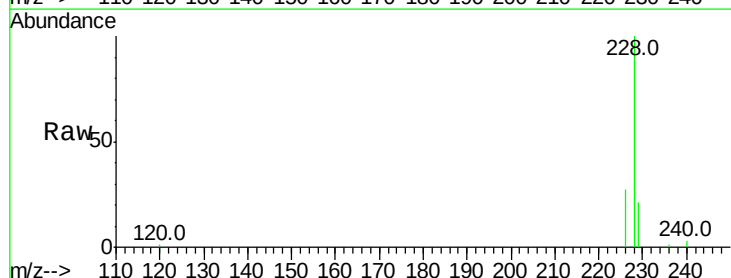
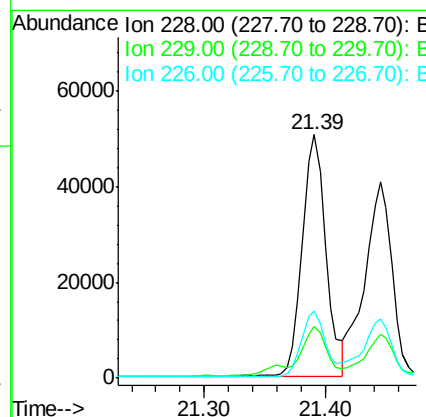
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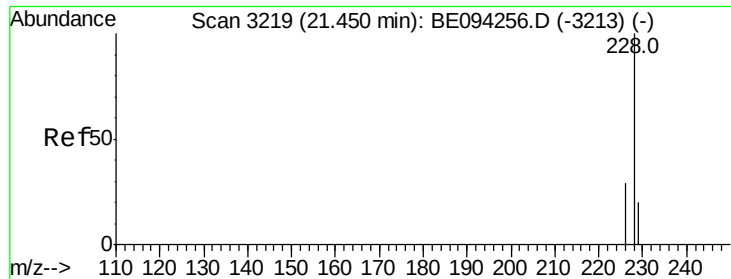
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#18
Benzo(a)anthracene
Concen: 2.129 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BE094264.D
Acq: 10 Oct 2017 23:08

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	22.8	34.2#
226	27.3	17.0	25.6#





#19

Chrysene

Concen: 1.713 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

ClientSampleId :

C0AC0DL

Tot Ion:228 Resp: 64673

Ion Ratio Lower Upper

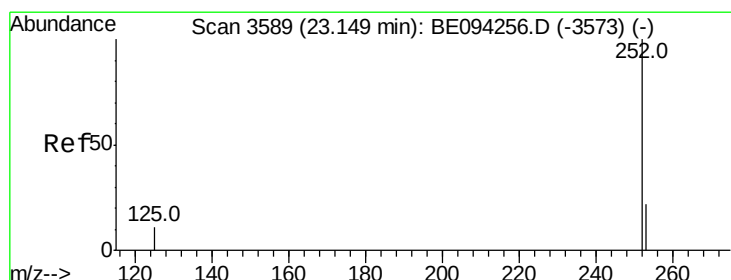
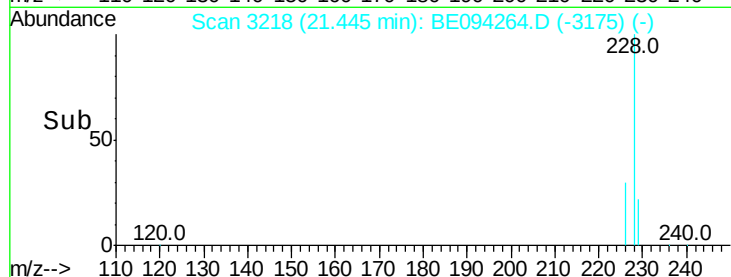
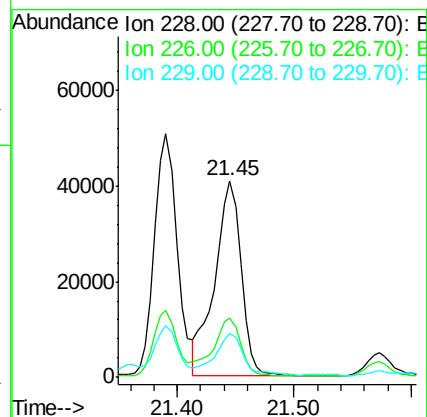
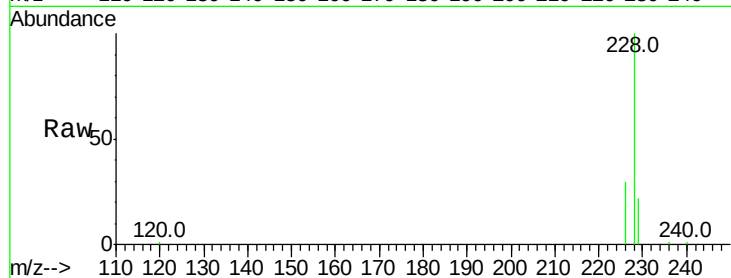
228 100

226 30.2 23.4 35.0

229 22.4 17.7 26.5

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#21

Benzo(b)fluoranthene

Concen: 2.691 ng/ul m

RT: 23.15 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

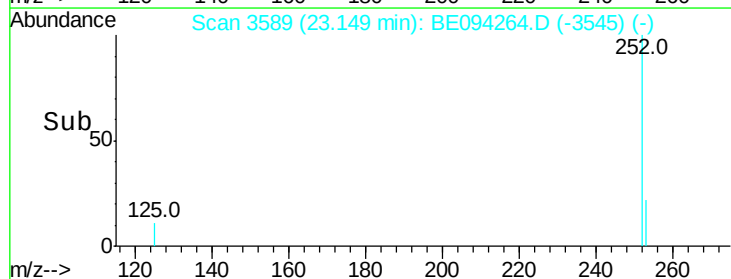
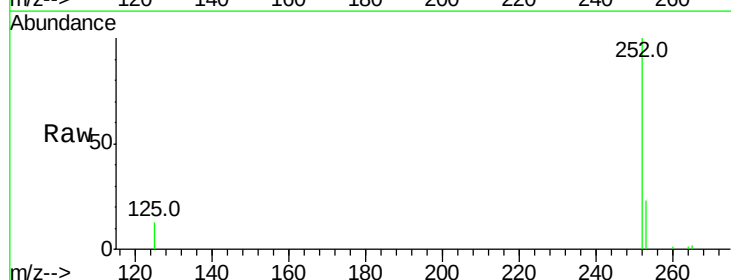
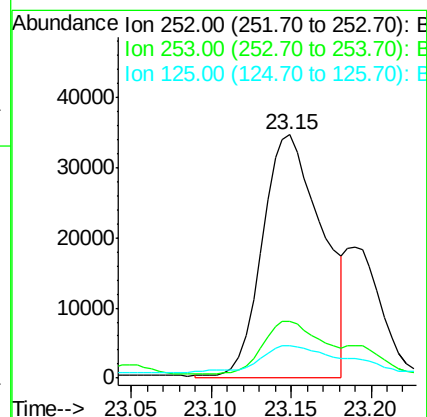
Tgt Ion:252 Resp: 90320

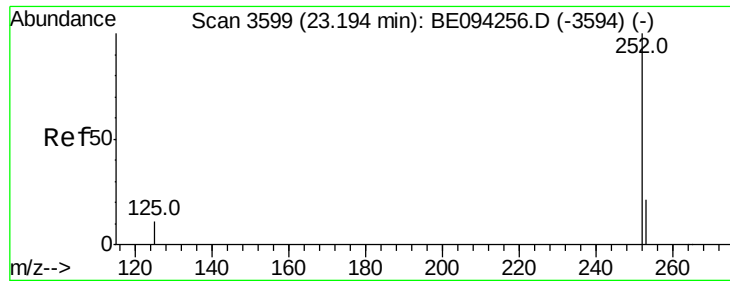
Ion Ratio Lower Upper

252 100

253 23.5 0.0 64.2

125 13.3 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 0.709 ng/ul m

RT: 23.19 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

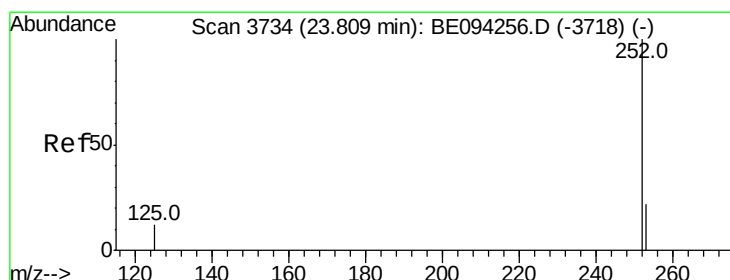
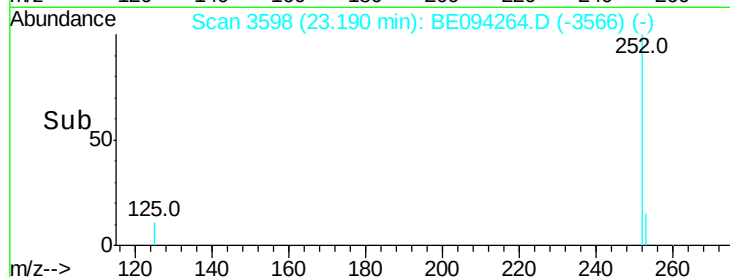
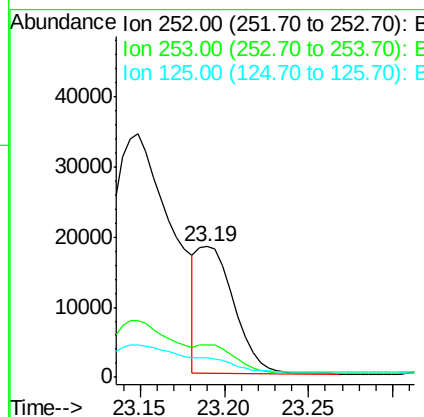
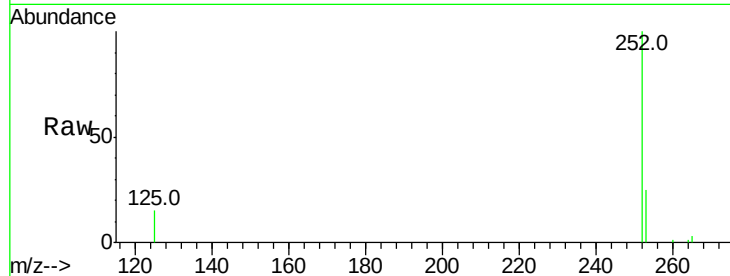
ClientSampleId :

C0AC0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	24.5	36.7
125	14.9	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 1.783 ng/ul

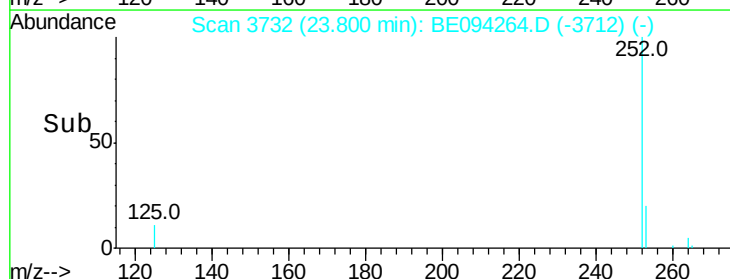
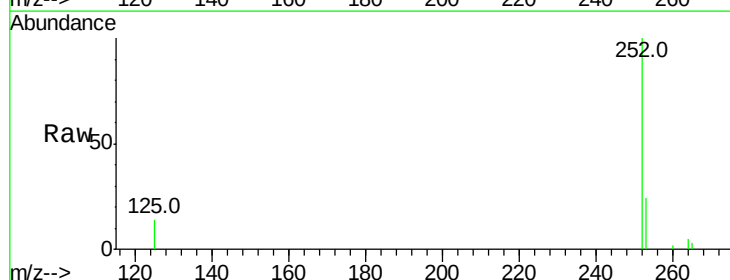
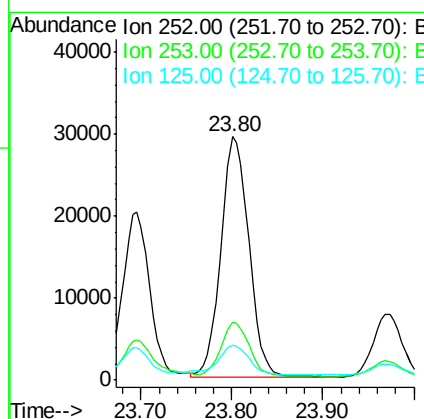
RT: 23.80 min Scan# 3732

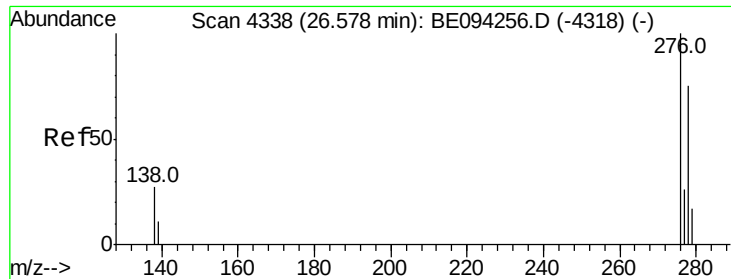
Delta R.T. -0.01 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	28.5	42.7#
125	14.4	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 1.119 ng/ul

RT: 26.56 min Scan# 4335

Delta R.T. -0.01 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Instrument :

BNA_E

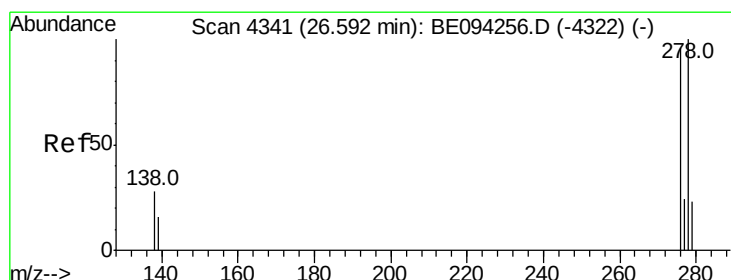
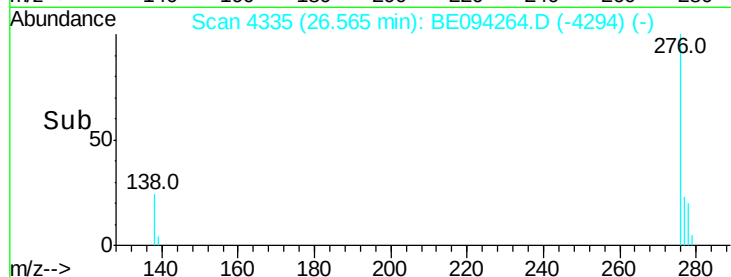
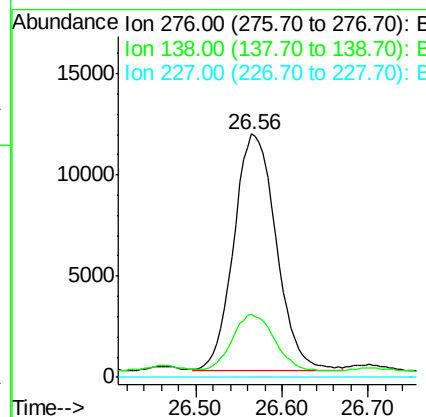
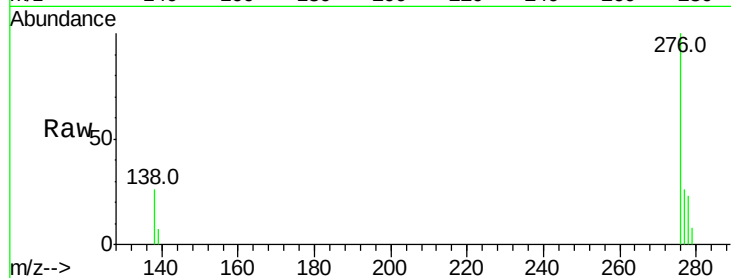
ClientSampleId :

C0AC0DL

Tot Ion:	276	Resp:	39945
Ion Ratio	Lower	Upper	
276	100		
138	23.8	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
APPROVED

Sohil
10/11/2017 7:20:14 PM



#25

Dibenzo(a,h)anthracene

Concen: 0.338 ng/ul

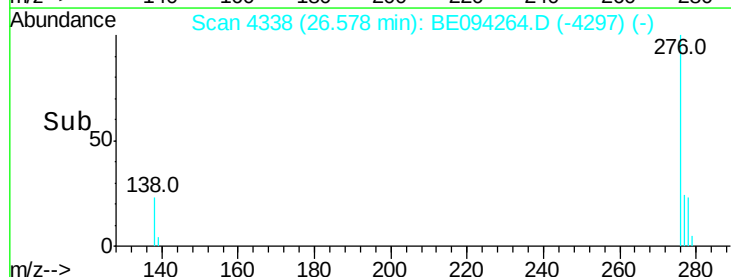
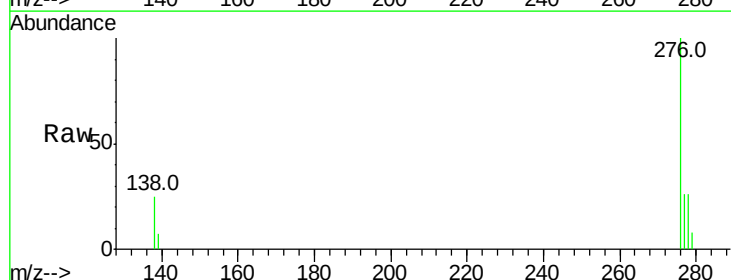
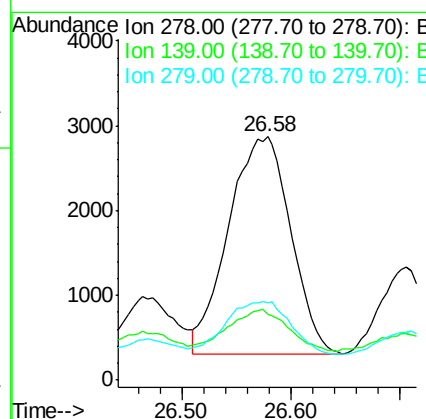
RT: 26.58 min Scan# 4338

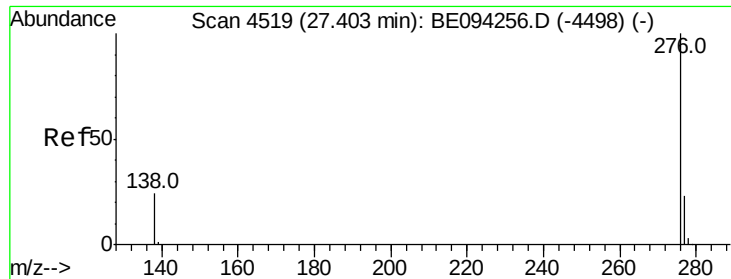
Delta R.T. -0.01 min

Lab File: BE094264.D

Acq: 10 Oct 2017 23:08

Tgt Ion:	278	Resp:	10111
Ion Ratio	Lower	Upper	
278	100		
139	27.2	17.4	26.0#
279	31.8	25.9	38.9





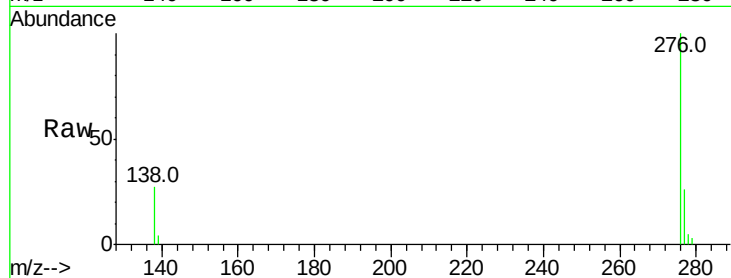
#26
 Benzo(a,h,i)perylene
 Concen: 1.055 ng/ul
 RT: 27.39 min Scan# 4517
 Delta R.T. -0.01 min
 Lab File: BE094264.D
 Acq: 10 Oct 2017 23:08

Instrument :
 BNA_E
 ClientSampleId :
 C0AC0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.8	32.8
277	26.1	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 10/11/2017 7:20:14 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

