

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101117\
 Data File : BE094284.D
 Acq On : 11 Oct 2017 17:58
 Operator : SJ/JU
 Sample : I5490-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-43(5-7)-092617

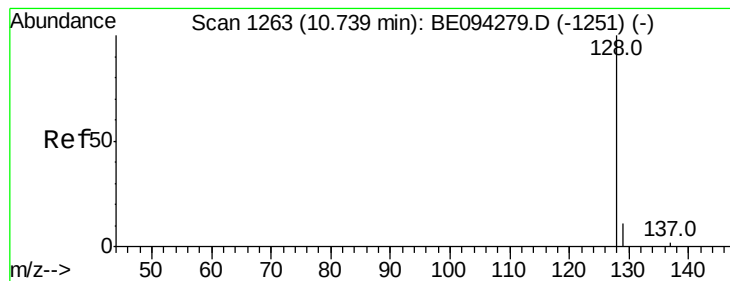
Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:05:36 PM

Quant Time: Oct 12 08:22:39 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 07:31:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	7720	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	11703	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	8492	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	11768	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	11125	0.40	ng/ul	0.01
20) Perylene-d12	23.94	264	14565m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	4412	0.24	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	8582	0.22	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	474885	16.567	ng/ul#	96
5) 2-Methylnaphthalene	12.35	142	69683	3.747	ng/ul	99
7) Acenaphthylene	14.24	152	39781	1.202	ng/ul#	95
8) Acenaphthene	14.57	153	64077	2.351	ng/ul	97
9) Fluorene	15.56	166	102574	3.214	ng/ul	91
11) Pentachlorophenol	16.93	266	185	0.134	ng/ul#	87
12) Phenanthrene	17.29	178	1133592	36.862	ng/ul#	90
13) Anthracene	17.38	178	313702	10.489	ng/ul#	91
15) Fluoranthene	19.31	202	1934791	47.883	ng/ul	84
17) Pyrene	19.67	202	1953763	63.119	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	1122951	38.049	ng/ul#	88
19) Chrysene	21.46	228	1056587	31.001	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	1244588	31.456	ng/ul	87
22) Benzo(k)fluoranthene	23.21	252	424874m	9.290	ng/ul	
23) Benzo(a)pyrene	23.84	252	969190m	23.573	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.62	276	664074m	15.789	ng/ul	
25) Dibenzo(a,h)anthracene	26.62	278	179756m	5.095	ng/ul	
26) Benzo(g,h,i)perylene	27.46	276	593553m	16.361	ng/ul	

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



#3

Naphthalene

Concen: 16.567 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

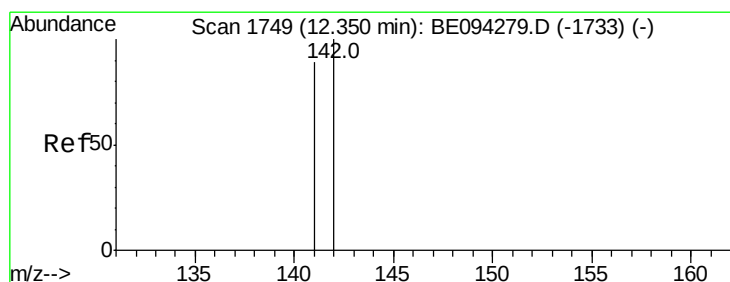
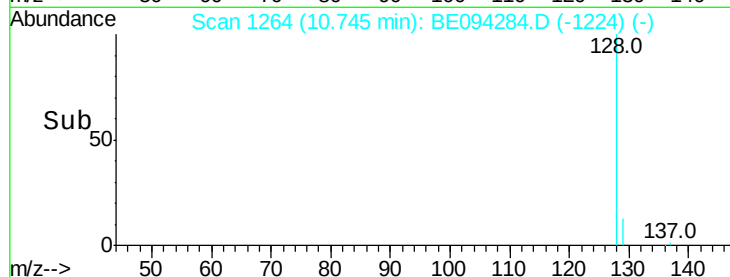
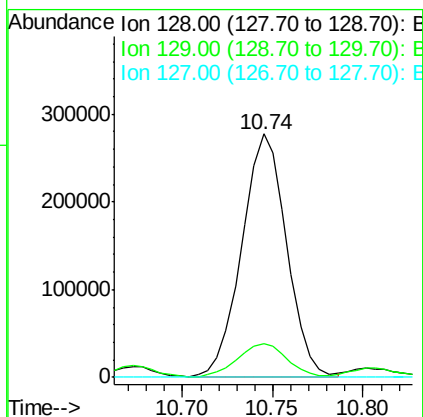
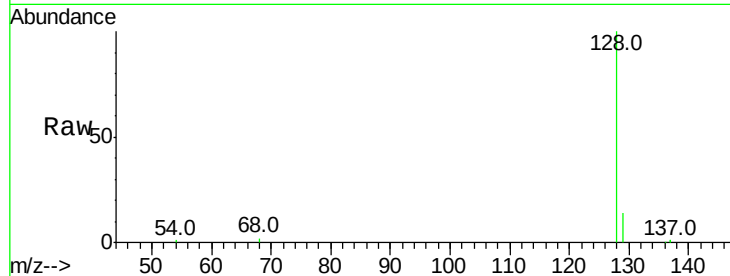
ClientSampleId :

B-43(5-7)-092617

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.9	11.3	16.9
127	0.0	4.0	6.0

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



#5

2-Methylnaphthalene

Concen: 3.747 ng/ul

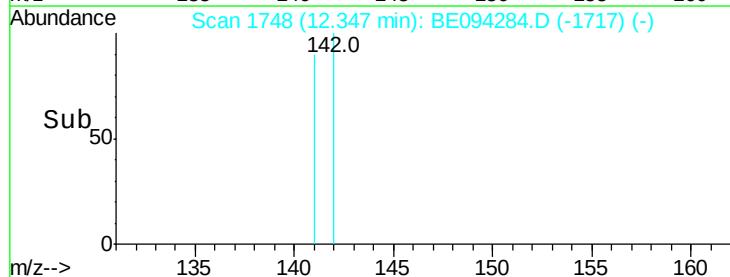
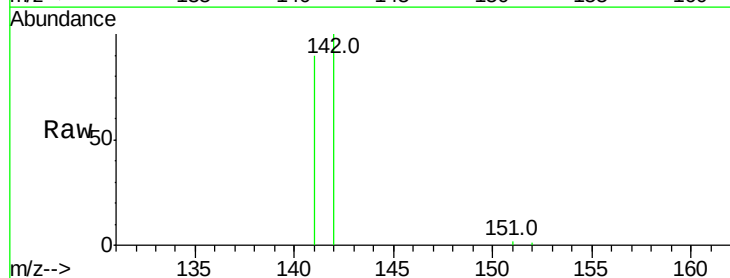
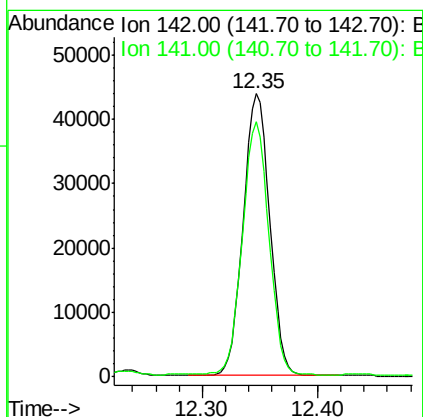
RT: 12.35 min Scan# 1748

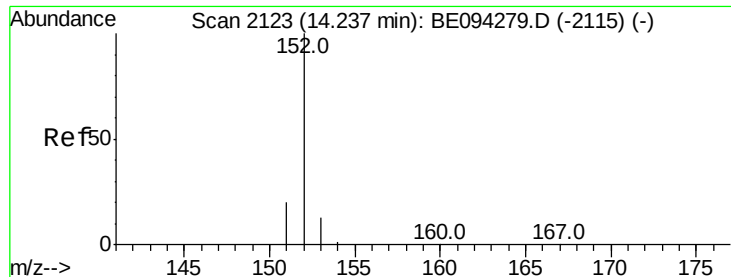
Delta R.T. -0.00 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.6	108.8





#7

Acenaphthylene

Concen: 1.202 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

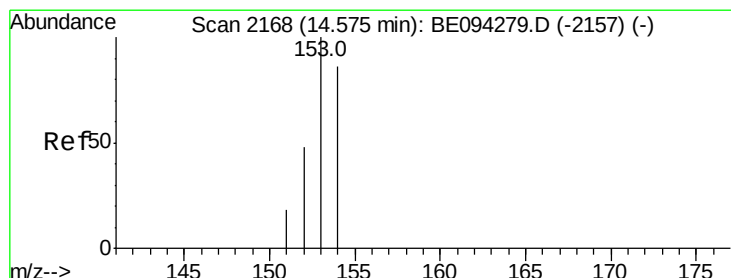
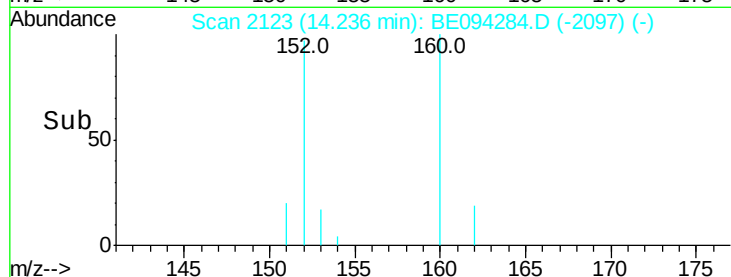
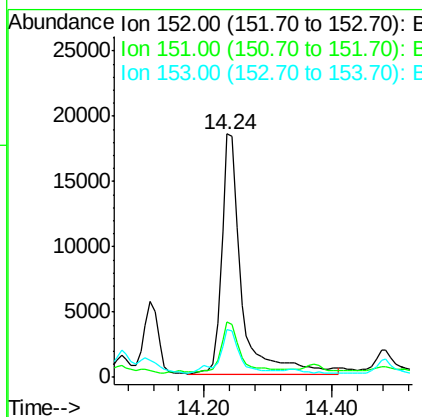
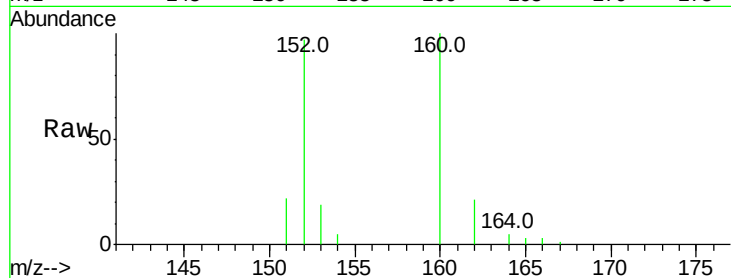
ClientSampleId :

B-43(5-7)-092617

Tot Ion:	152	Resp:	39781
Ion Ratio	Lower	Upper	
152	100		
151	22.9	17.1	25.7
153	19.6	12.8	19.2

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



#8

Acenaphthene

Concen: 2.351 ng/ul

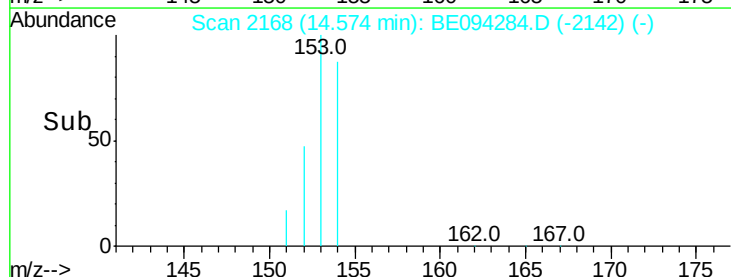
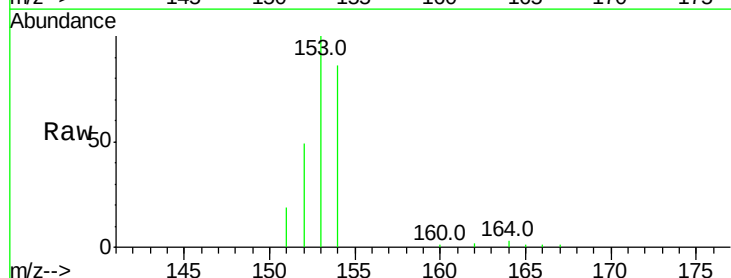
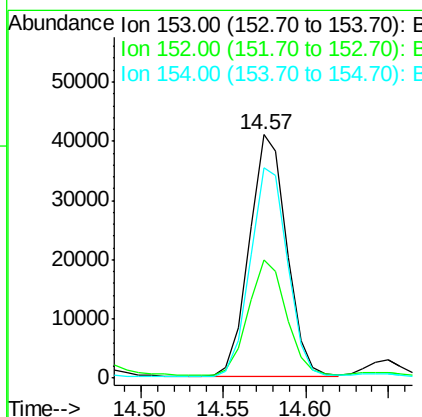
RT: 14.57 min Scan# 2168

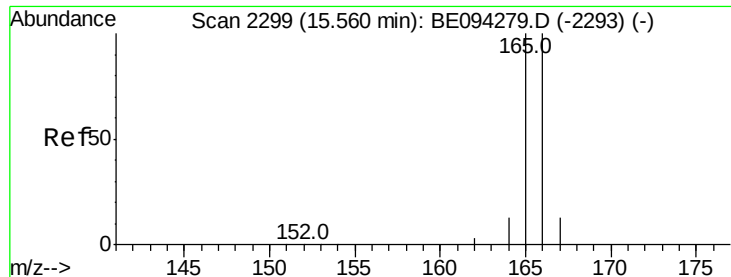
Delta R.T. -0.00 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion:	153	Resp:	64077
Ion Ratio	Lower	Upper	
153	100		
152	48.5	40.3	60.5
154	86.3	71.4	107.2





#9

Fluorene

Concen: 3.214 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.00 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

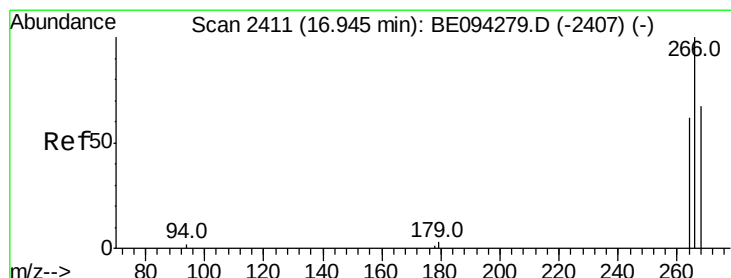
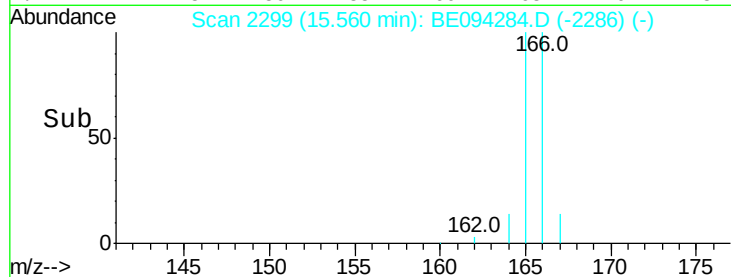
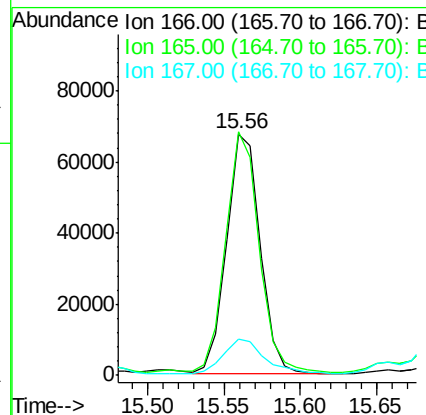
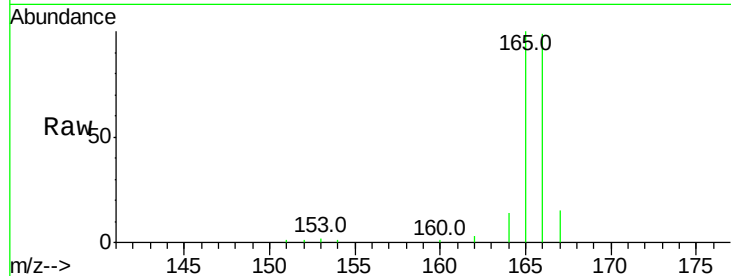
ClientSampleId :

B-43(5-7)-092617

Tot Ion:	166	Resp:	102574
Ion Ratio	Lower	Upper	
166	100		
165	100.8	73.4	110.2
167	14.9	14.6	22.0

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



#11

Pentachlorophenol

Concen: 0.134 ng/ul

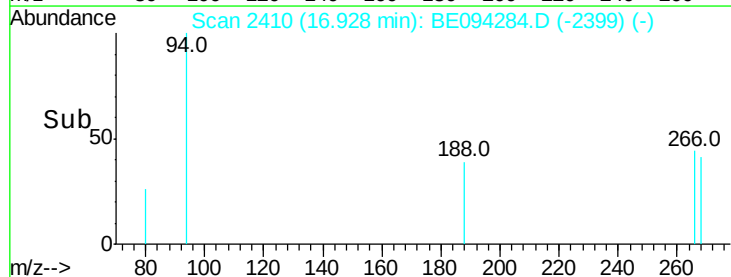
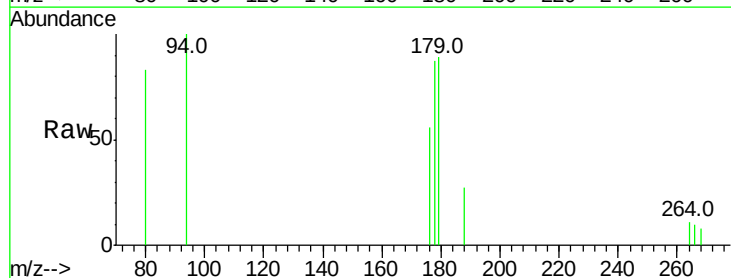
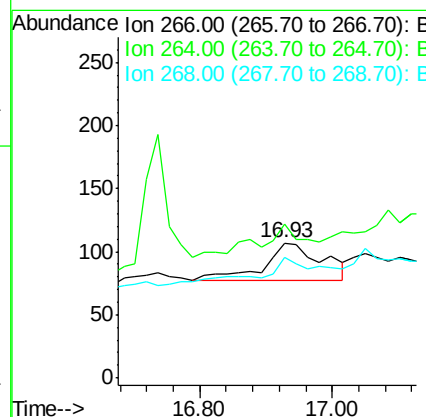
RT: 16.93 min Scan# 2410

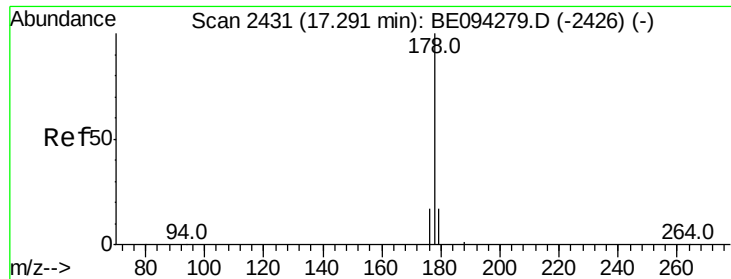
Delta R.T. -0.02 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion:	266	Resp:	185
Ion Ratio	Lower	Upper	
266	100		
264	44.9	47.9	71.9#
268	57.3	49.8	74.8





#12

Phenanthrene

Concen: 36.862 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :
BNA_E

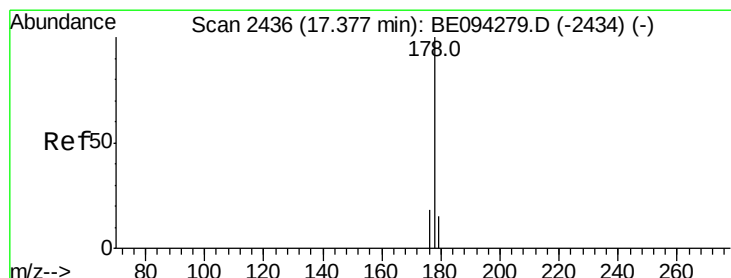
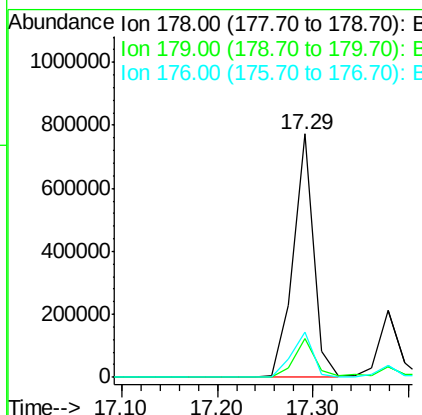
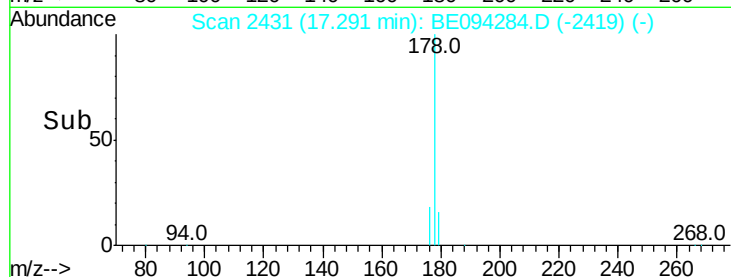
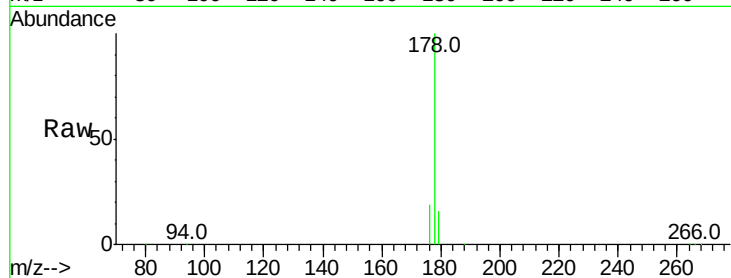
ClientSampleId :
B-43(5-7)-092617

Tot Ion:178 Resp: 1133592

Ion	Ratio	Lower	Upper
178	100		
179	16.0	18.4	27.6#
176	18.5	13.6	20.4

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



#13

Anthracene

Concen: 10.489 ng/ul

RT: 17.38 min Scan# 2436

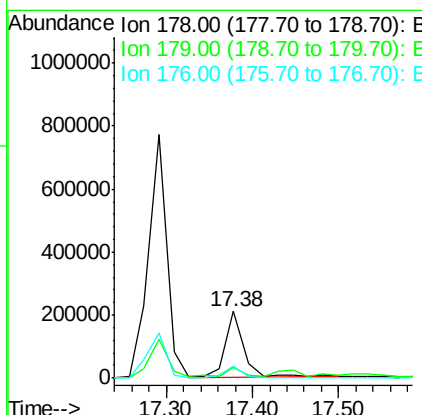
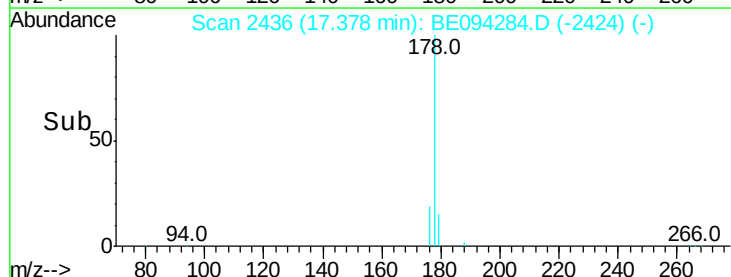
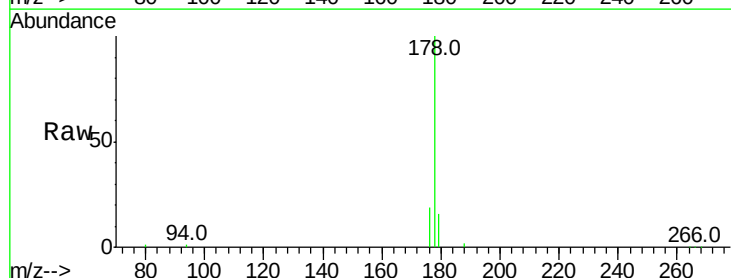
Delta R.T. 0.00 min

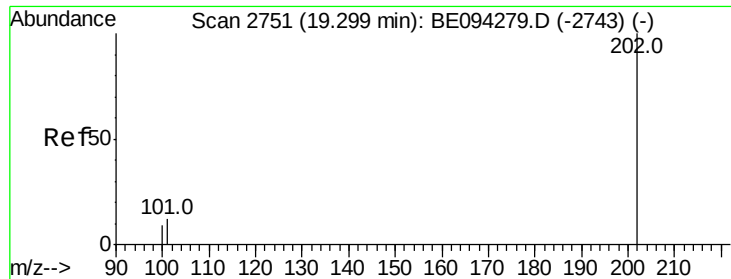
Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion:178 Resp: 313702

Ion	Ratio	Lower	Upper
178	100		
179	15.5	18.1	27.1#
176	18.8	14.7	22.1





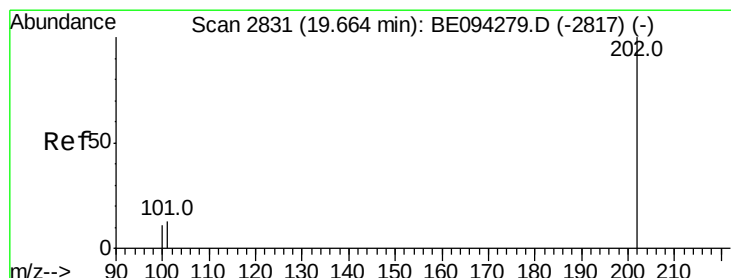
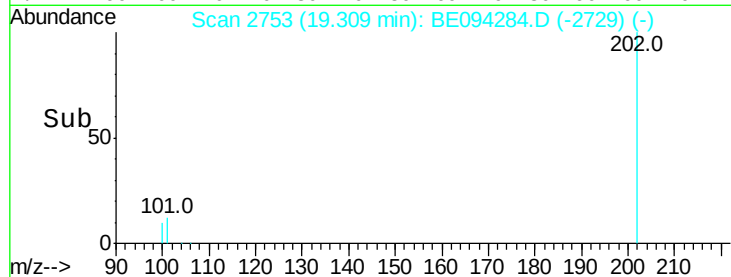
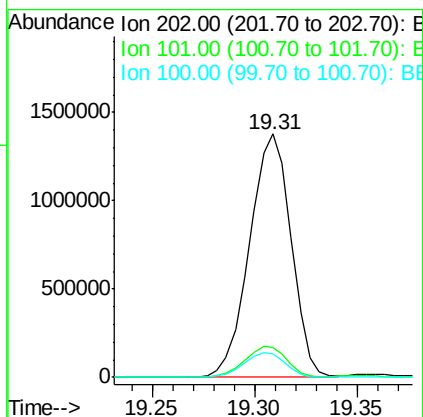
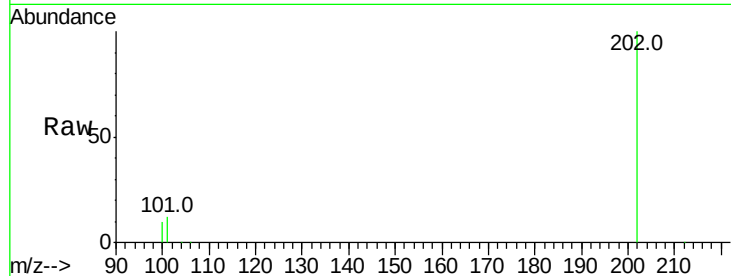
#15
Fluoranthene
 Concen: 47.883 ng/ul
 RT: 19.31 min Scan# 2753
 Delta R.T. 0.01 min
 Lab File: BE094284.D
 Acq: 11 Oct 2017 17:58

Instrument :
 BNA_E
 ClientSampleId :
 B-43(5-7)-092617

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	30.3
100	9.8	0.0	39.5

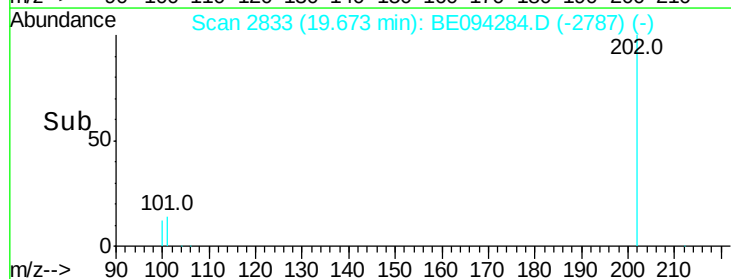
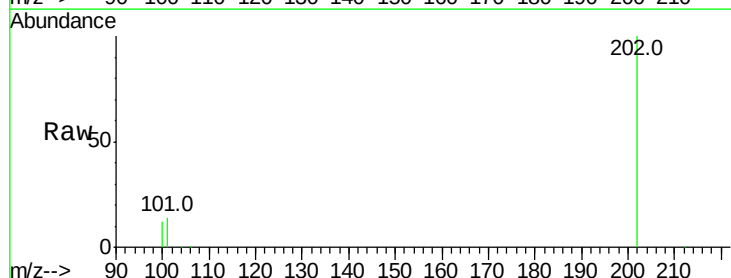
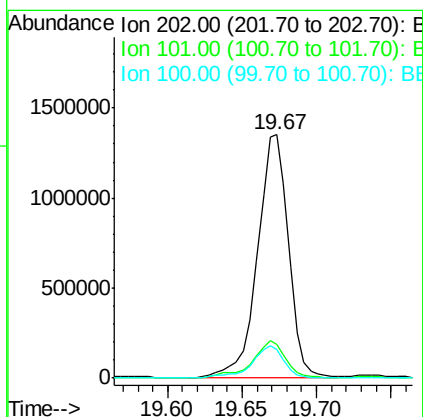
Manual Integrations
 APPROVED

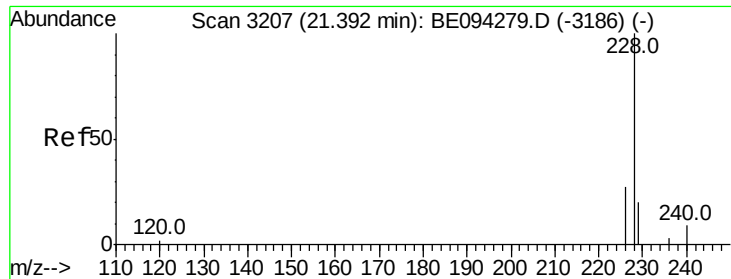
Sohil
 10/13/2017 12:05:36 PM



#17
Pyrene
 Concen: 63.119 ng/ul
 RT: 19.67 min Scan# 2833
 Delta R.T. 0.01 min
 Lab File: BE094284.D
 Acq: 11 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	18.2	27.4#
100	11.5	15.6	23.4#





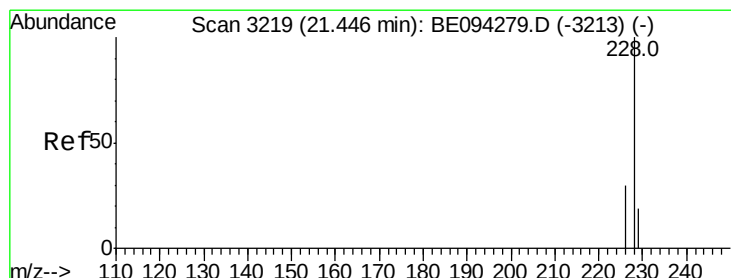
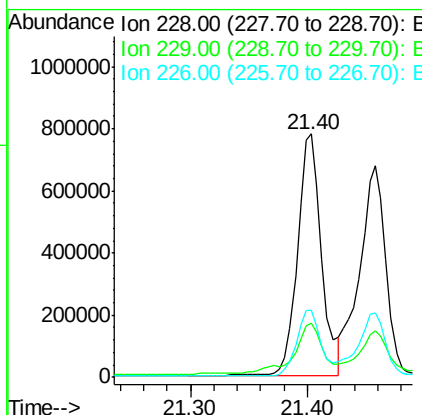
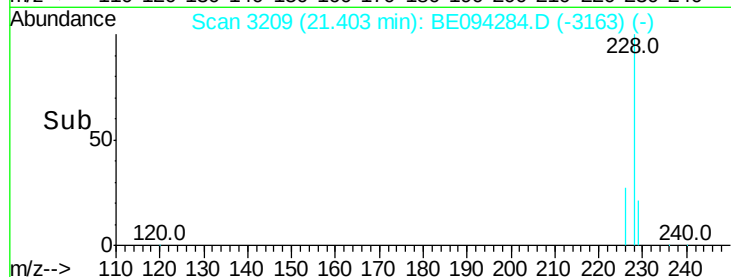
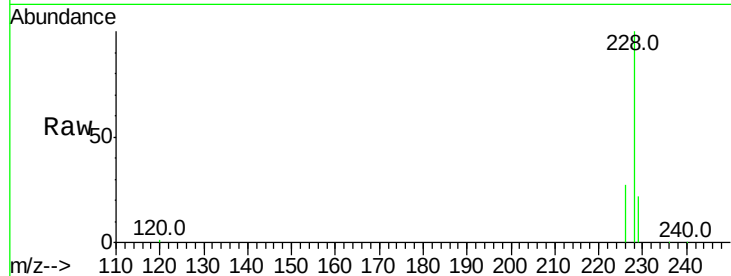
#18
Benzo(a)anthracene
Concen: 38.049 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. 0.01 min
Lab File: BE094284.D
Acq: 11 Oct 2017 17:58

Instrument :
BNA_E
ClientSampled :
B-43(5-7)-092617

Tot Ion:228 Resp: 1122951
Ion Ratio Lower Upper
228 100
229 22.4 22.8 34.2#
226 27.5 17.0 25.6#

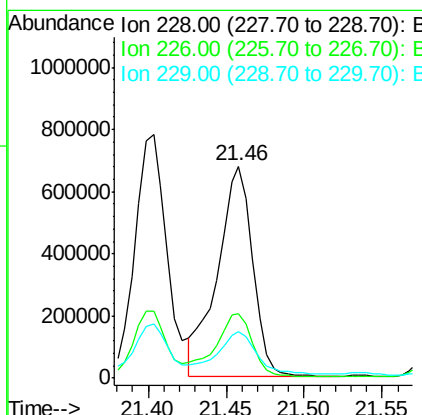
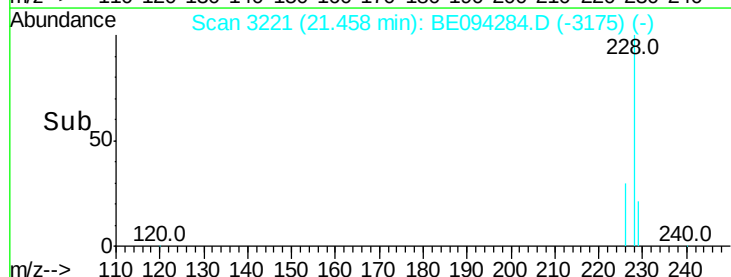
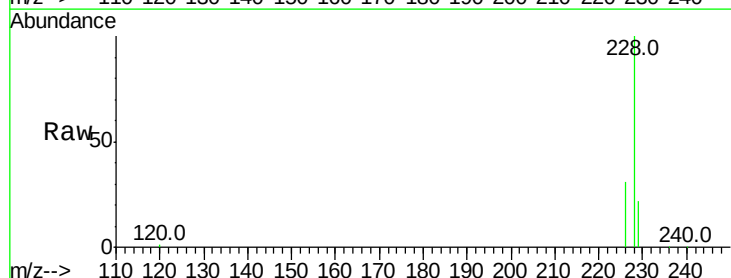
Manual Integrations
APPROVED

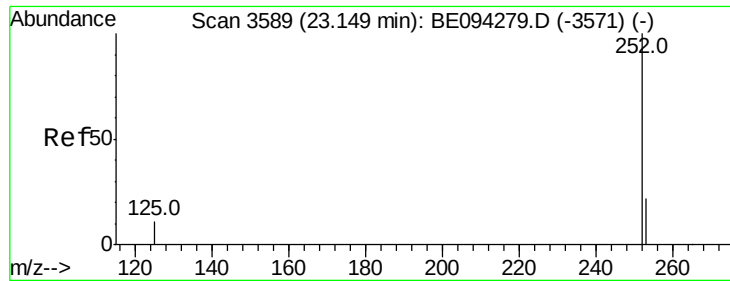
Sohil
10/13/2017 12:05:36 PM



#19
Chrysene
Concen: 31.001 ng/ul
RT: 21.46 min Scan# 3221
Delta R.T. 0.01 min
Lab File: BE094284.D
Acq: 11 Oct 2017 17:58

Tgt Ion:228 Resp: 1056587
Ion Ratio Lower Upper
228 100
226 30.7 23.4 35.0
229 22.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 31.456 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. 0.02 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

ClientSampleId :

B-43(5-7)-092617

Tot Ion:252 Resp: 1244588

Ion Ratio Lower Upper

252 100

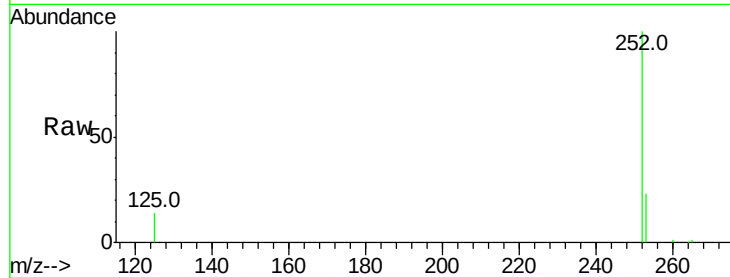
253 23.2 0.0 64.2

125 14.4 0.0 35.0

Manual Integrations
APPROVED

Sohil

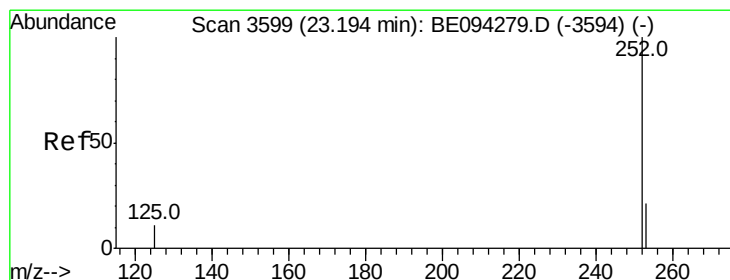
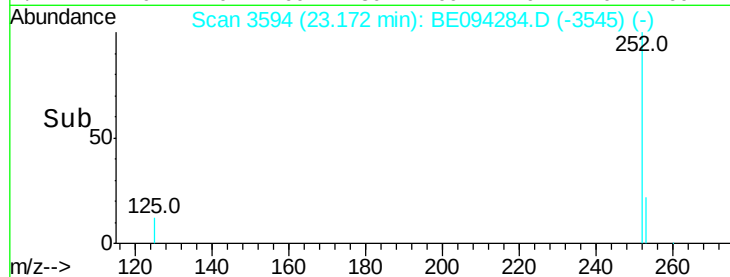
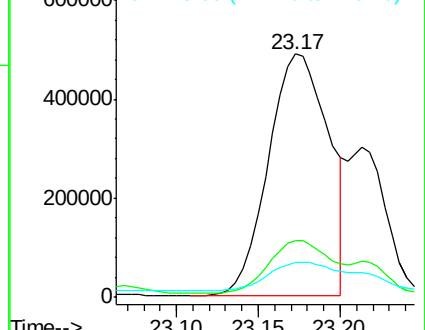
10/13/2017 12:05:36 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 9.290 ng/ul m

RT: 23.21 min Scan# 3603

Delta R.T. 0.02 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion:252 Resp: 424874

Ion Ratio Lower Upper

252 100

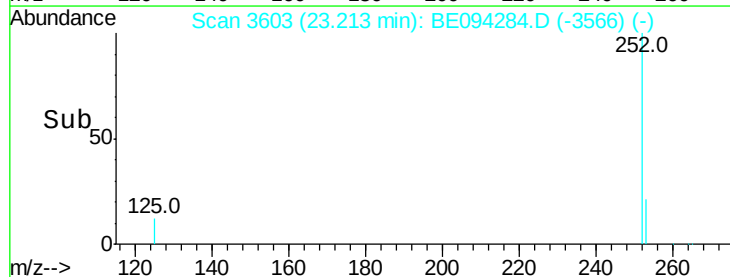
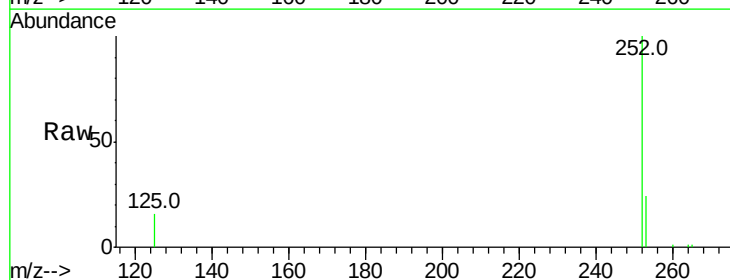
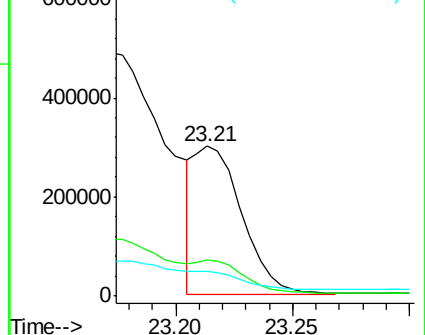
253 23.9 24.5 36.7#

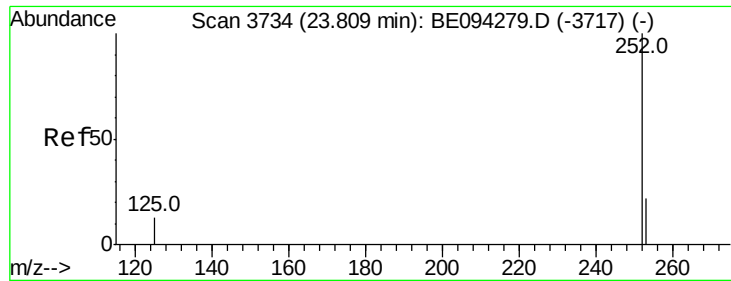
125 16.3 13.7 20.5

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 23.573 ng/ul m

RT: 23.84 min Scan# 3740

Delta R.T. 0.03 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

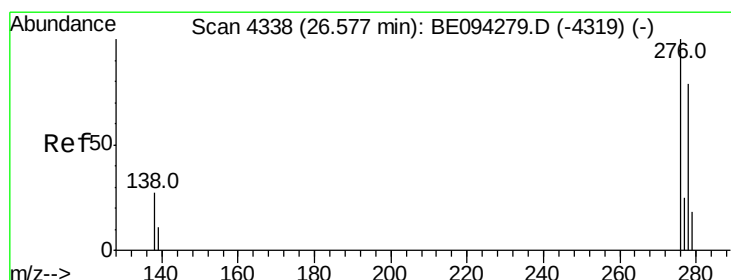
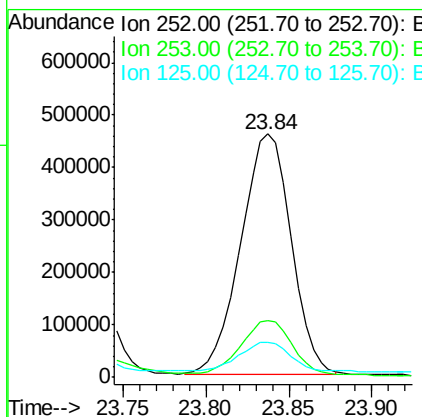
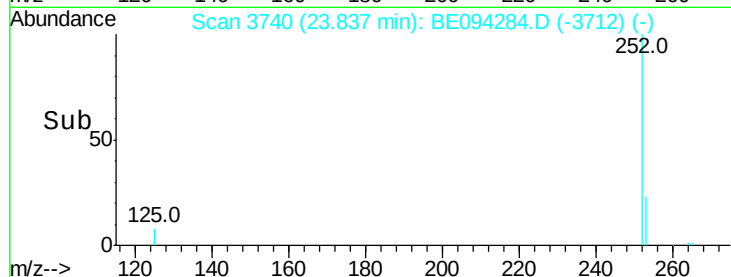
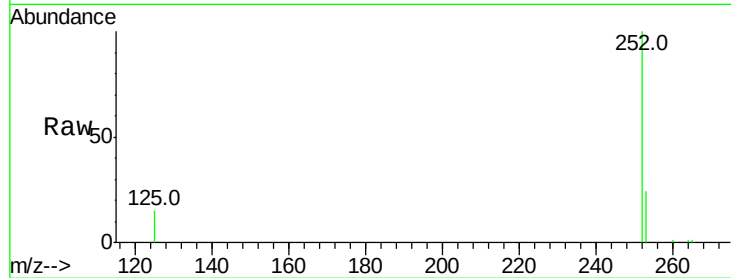
ClientSampleId :

B-43(5-7)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	28.5	42.7#
125	14.6	18.1	27.1#

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 15.789 ng/ul m

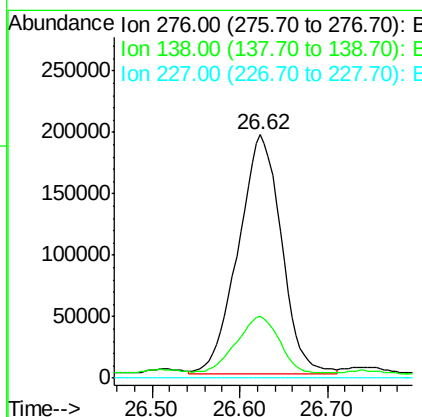
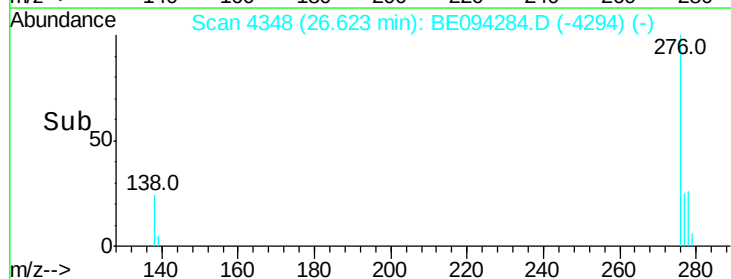
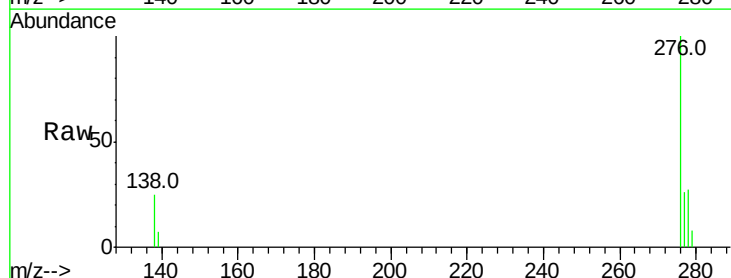
RT: 26.62 min Scan# 4348

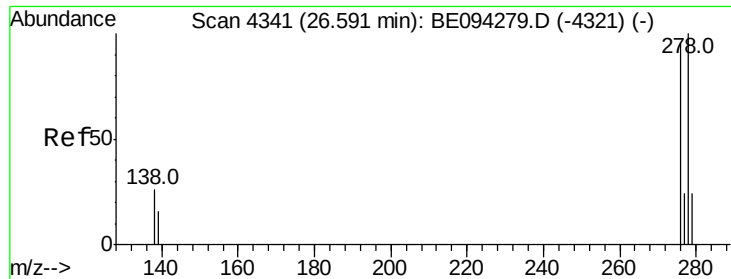
Delta R.T. 0.05 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.7	28.0	42.0#
227	0.0	8.0	12.0#





#25

Dibenzo(a,h)anthracene

Concen: 5.095 ng/ul m

RT: 26.62 min Scan# 4348

Delta R.T. 0.03 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_E

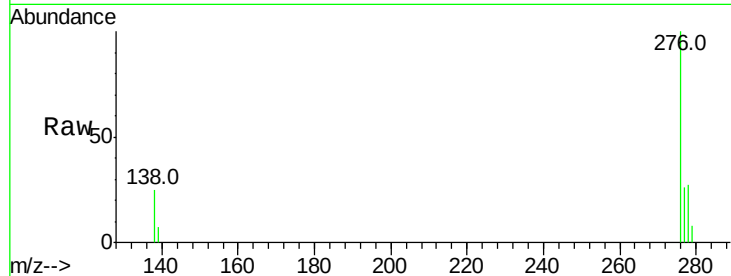
ClientSampleId :

B-43(5-7)-092617

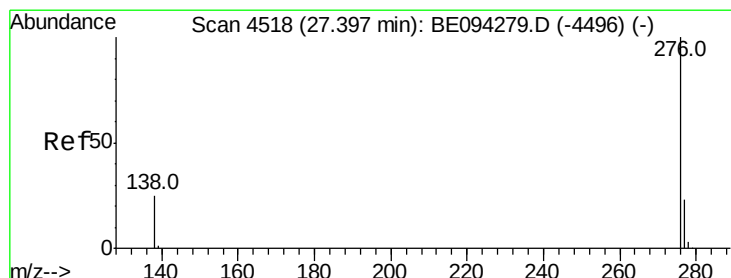
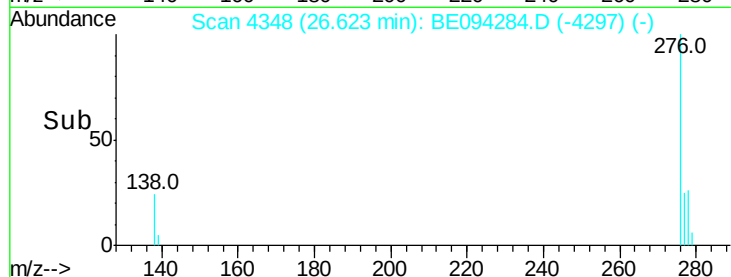
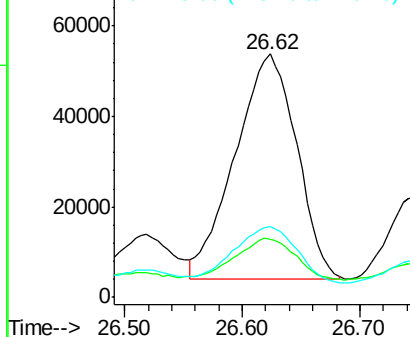
Tot Ion:	278	Resp:	179756
Ion Ratio	Lower	Upper	
278	100		
139	24.0	17.4	26.0
279	28.9	25.9	38.9

Manual Integrations
APPROVED

Sohil
10/13/2017 12:05:36 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 16.361 ng/ul m

RT: 27.46 min Scan# 4531

Delta R.T. 0.06 min

Lab File: BE094284.D

Acq: 11 Oct 2017 17:58

Tgt Ion:	276	Resp:	593553
Ion Ratio	Lower	Upper	
276	100		
138	25.7	21.8	32.8
277	25.1	20.5	30.7

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

