

Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
 Data File : BE094683.D
 Acq On : 1 Nov 2017 6:05
 Operator : SJ/JU
 Sample : I5844-20DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AH4DL

Manual Integrations
 APPROVED

Sohil
 11/1/2017 4:30:02 PM

Quant Time: Nov 01 09:56:23 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 09:37:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	1408	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	8358	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4621	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	10131	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	10458	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	11014	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	449	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	1087	0.04	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	460	0.023	ng/ul#	68
5) 2-Methylnaphthalene	12.36	142	352	0.025	ng/ul	99
7) Acenaphthylene	14.24	152	1201	0.057	ng/ul#	87
8) Acenaphthene	14.57	153	1584	0.105	ng/ul	96
9) Fluorene	15.57	166	1725	0.102	ng/ul	97
12) Phenanthrene	17.29	178	128628	4.807	ng/ul#	92
13) Anthracene	17.38	178	10097	0.382	ng/ul#	93
15) Fluoranthene	19.30	202	374160	12.094	ng/ul	84
17) Pyrene	19.67	202	289334	8.949	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	100223	3.352	ng/ul#	87
19) Chrysene	21.46	228	170109	5.505	ng/ul	98
21) Benzo(b)fluoranthene	23.18	252	208262m	6.722	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	90065m	2.713	ng/ul	
23) Benzo(a)pyrene	23.84	252	109807	3.546	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	26.65	276	83899	2.618	ng/ul#	76
25) Dibenzo(a,h)anthracene	26.64	278	17910	0.663	ng/ul	92
26) Benzo(a,h,i)perylene	27.49	276	65929	2.562	ng/ul	97

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

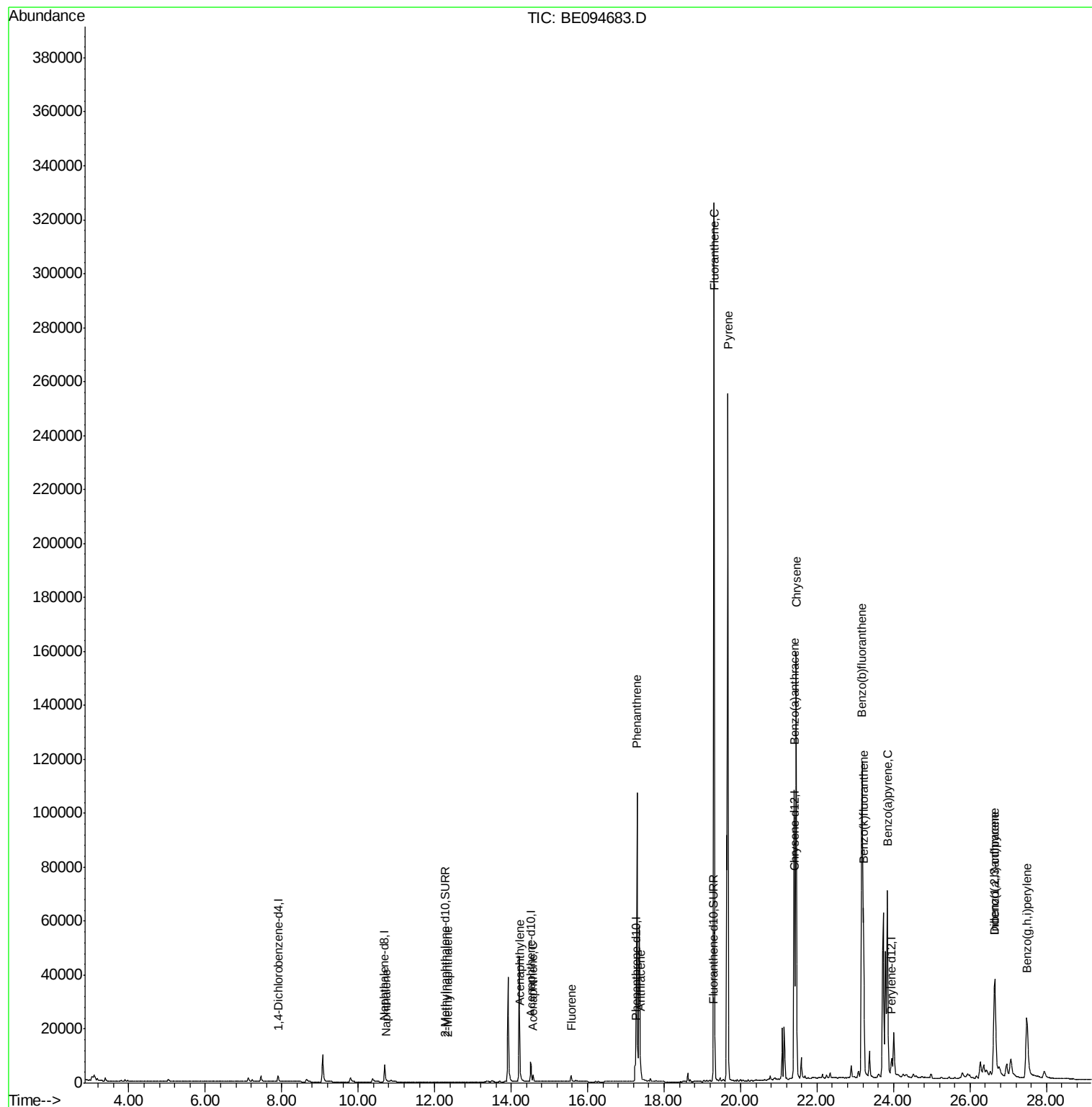
Data Path : Z:\HPCHEM1\BNA E\DATA\BE103117\
Data File : BE094683.D
Acq On : 1 Nov 2017 6:05
Operator : SJ/JU
Sample : I5844-20DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

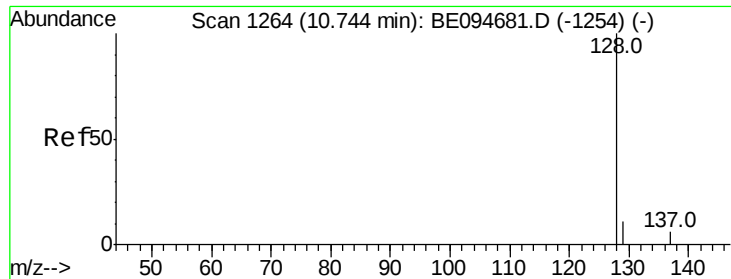
Instrument :
BNA_E
ClientSampleId :
C0AH4DL

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:02 PM

Quant Time: Nov 01 09:56:23 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 09:37:39 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

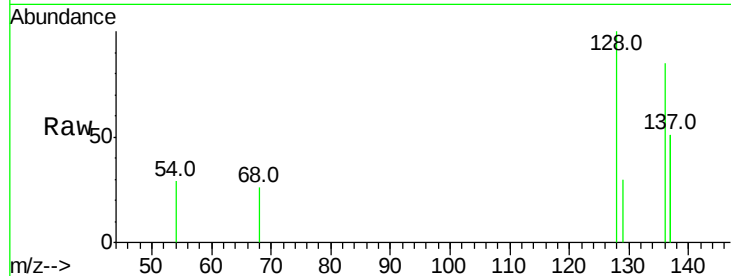
ClientSampleId :

C0AH4DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	29.7	11.3	16.9#
127	0.0	4.0	6.0#

Manual Integrations
APPROVED

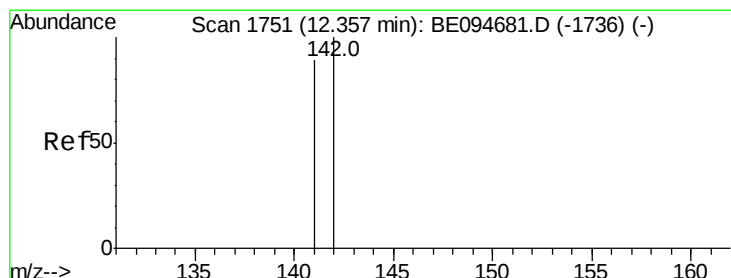
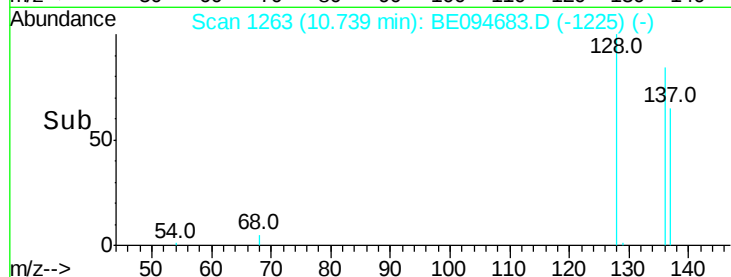
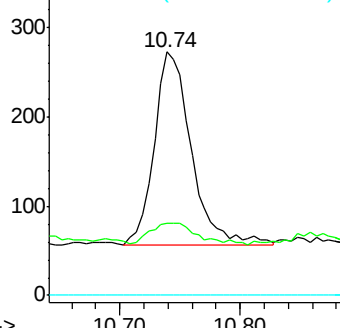
Sohil
11/1/2017 4:30:02 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

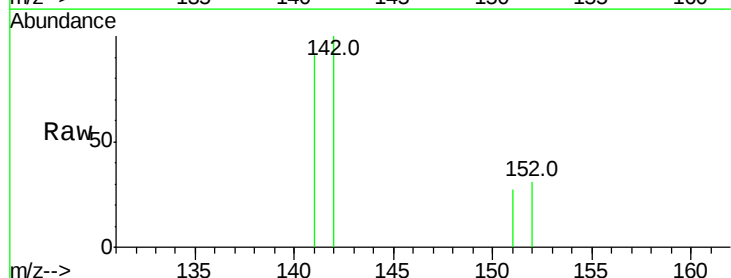
RT: 12.36 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE094683.D

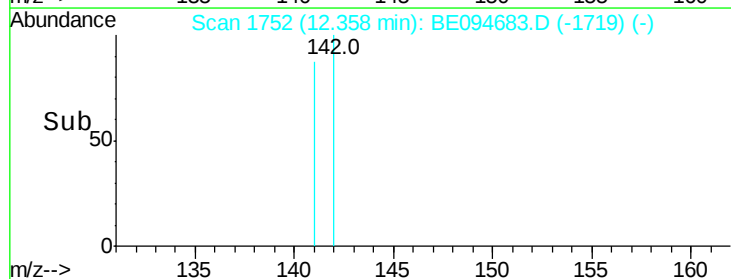
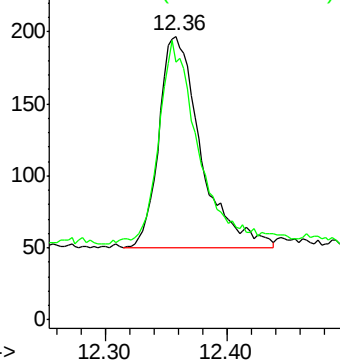
Acq: 1 Nov 2017 6:05

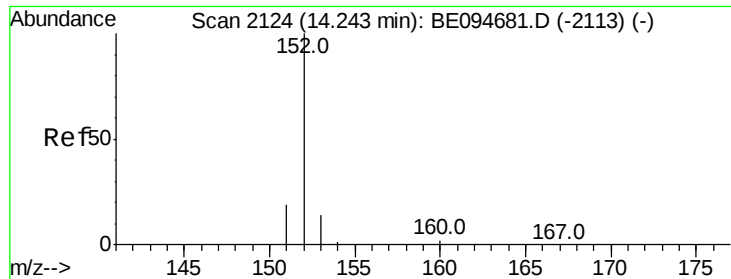
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.057 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

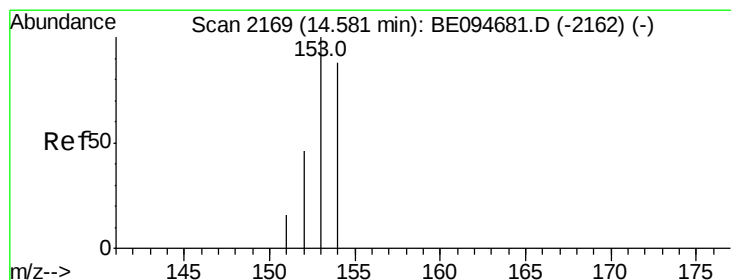
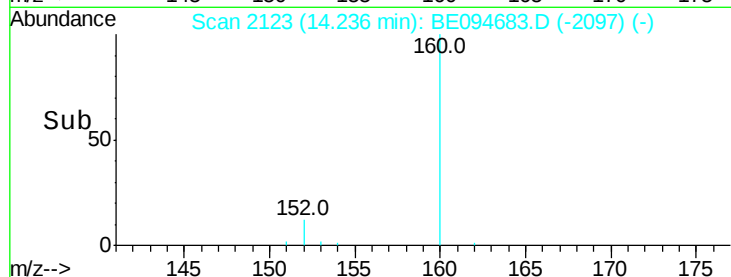
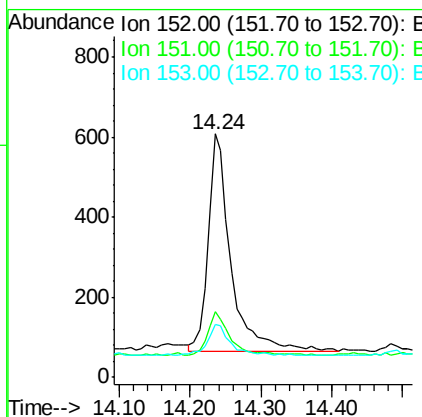
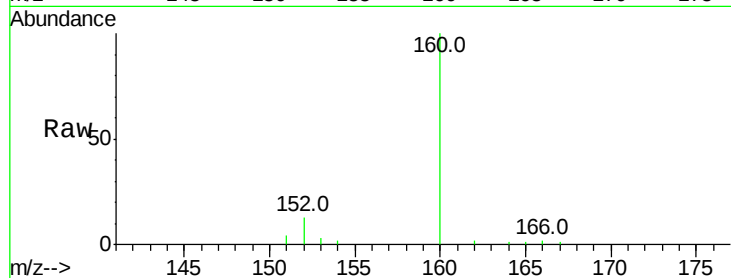
ClientSampleId :

C0AH4DL

Tot Ion:	152	Resp:	1201
Ion Ratio	Lower	Upper	
152	100		
151	27.0	17.1	25.7#
153	21.7	12.8	19.2#

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:02 PM



#8

Acenaphthene

Concen: 0.105 ng/ul

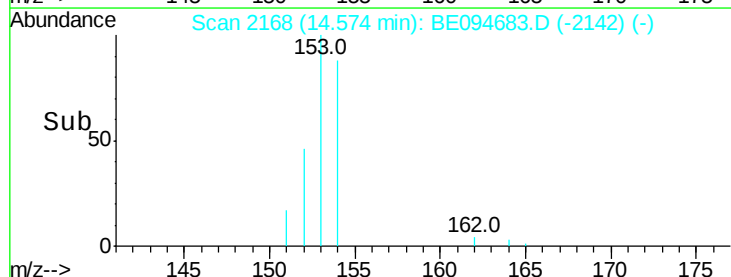
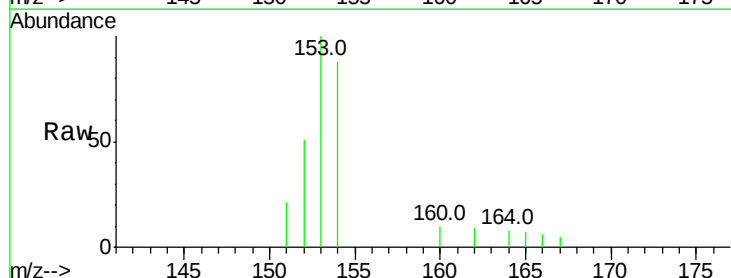
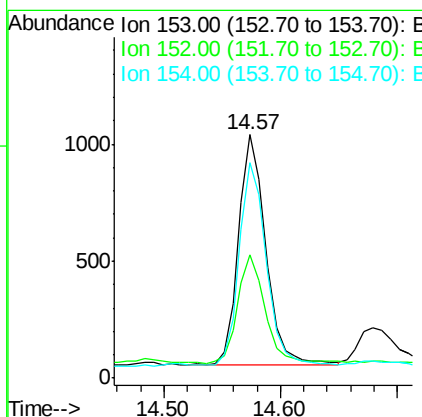
RT: 14.57 min Scan# 2168

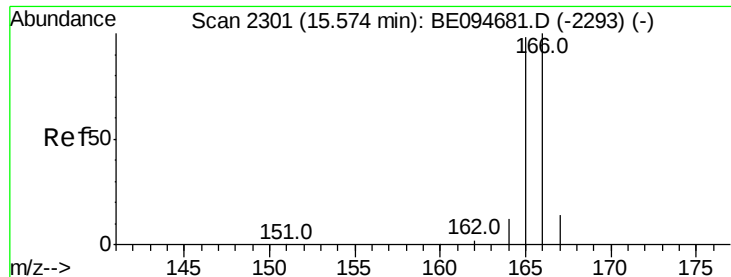
Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Tgt Ion:	153	Resp:	1584
Ion Ratio	Lower	Upper	
153	100		
152	50.7	36.0	54.0
154	88.3	72.0	108.0





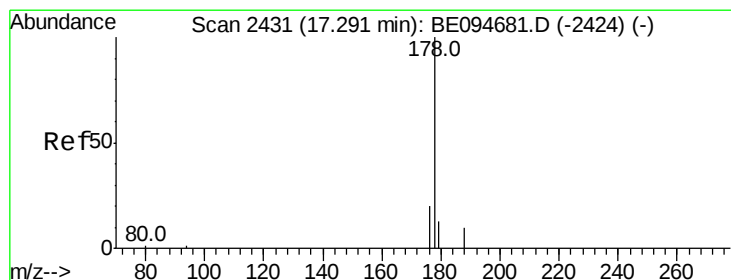
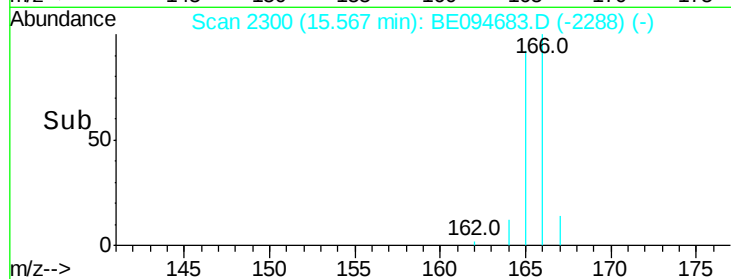
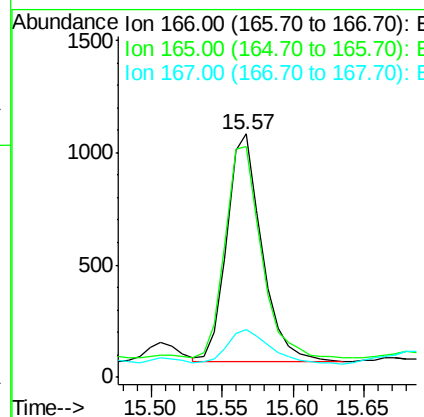
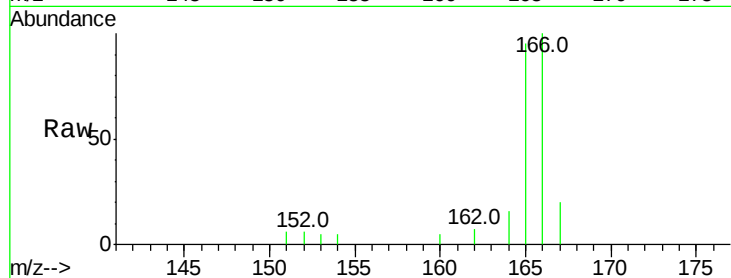
#9
Fluorene
 Concen: 0.102 ng/ul
 RT: 15.57 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Instrument :
 BNA_E
 ClientSampled :
 C0AH4DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.9	73.4	110.2
167	19.7	14.6	22.0

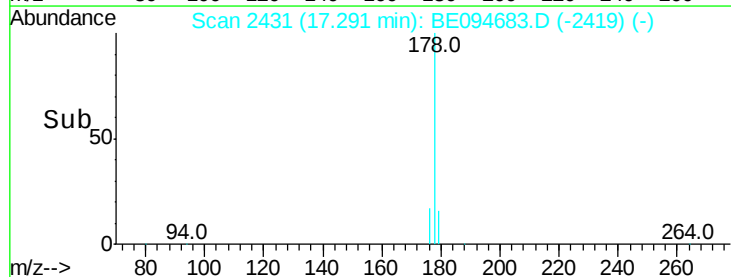
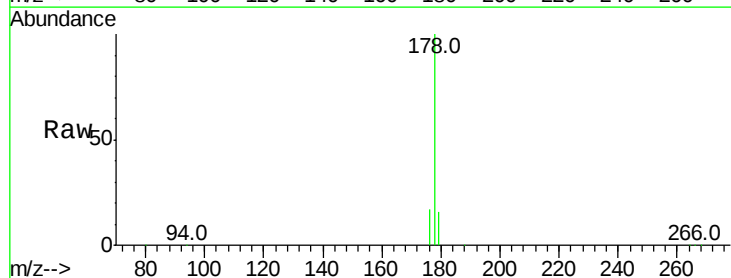
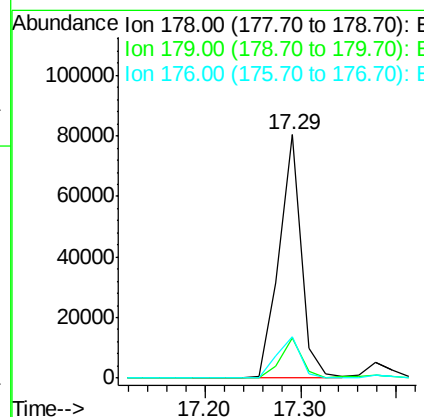
Manual Integrations
 APPROVED

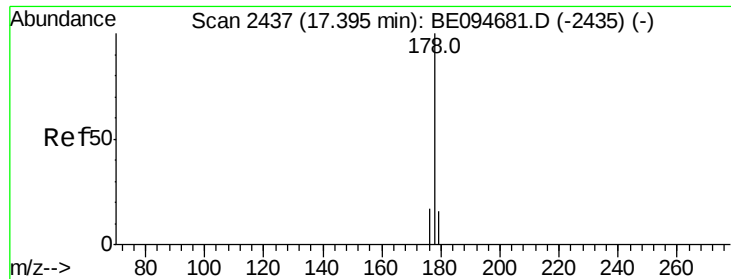
Sohil
 11/1/2017 4:30:02 PM



#12
Phenanthrene
 Concen: 4.807 ng/ul
 RT: 17.29 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	18.4	27.6#
176	16.9	13.6	20.4





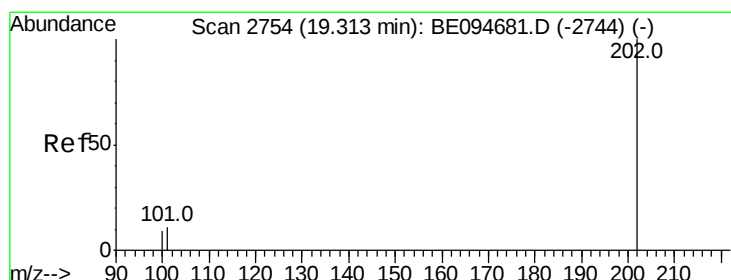
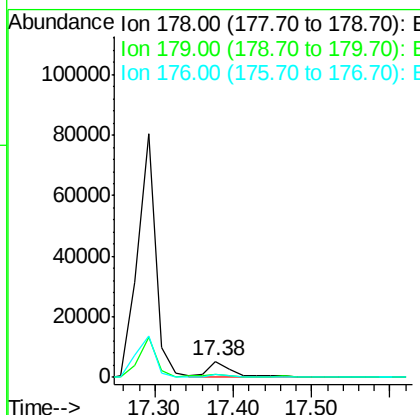
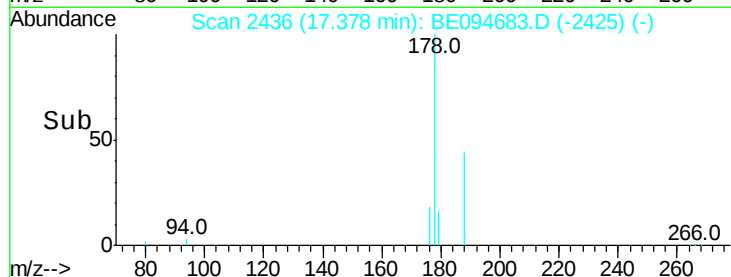
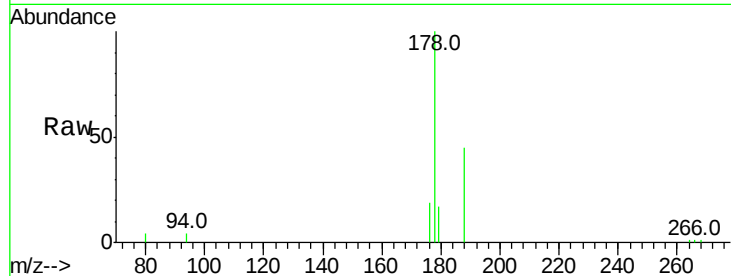
#13
 Anthracene
 Concen: 0.382 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Instrument :
 BNA_E
 ClientSampled :
 C0AH4DL

Tot Ion:178 Resp: 10097
 Ion Ratio Lower Upper
 178 100
 179 17.4 18.1 27.1#
 176 19.2 14.7 22.1

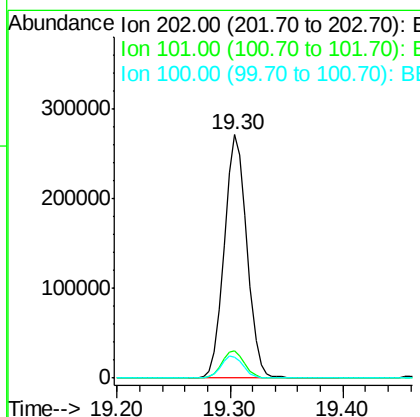
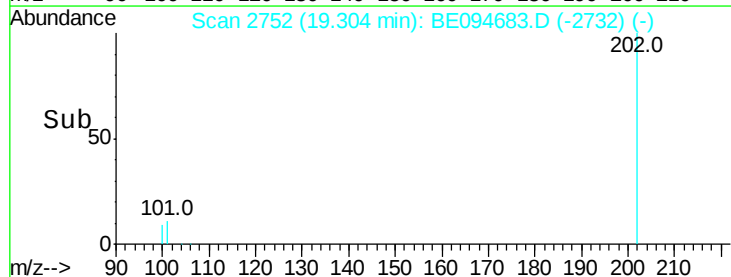
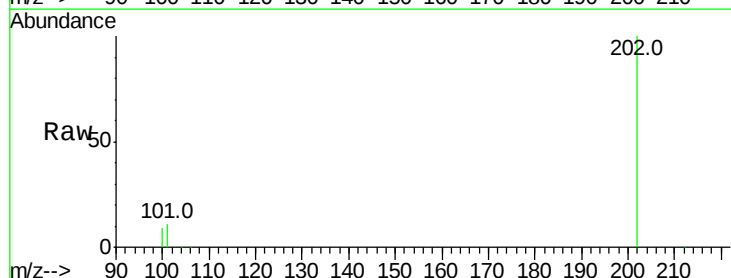
Manual Integrations
 APPROVED

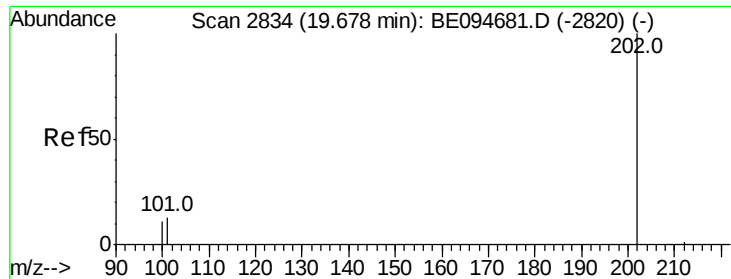
Sohil
 11/1/2017 4:30:02 PM



#15
 Fluoranthene
 Concen: 12.094 ng/ul
 RT: 19.30 min Scan# 2752
 Delta R.T. -0.01 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Tgt Ion:202 Resp: 374160
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.3
 100 8.8 0.0 39.5





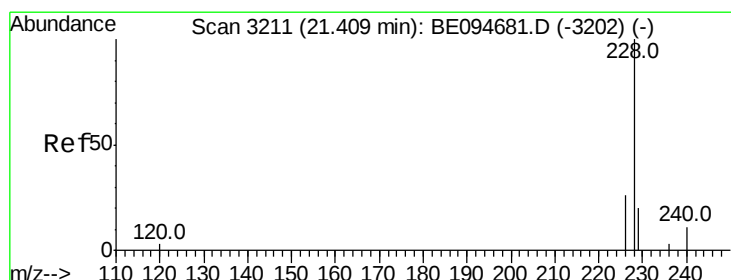
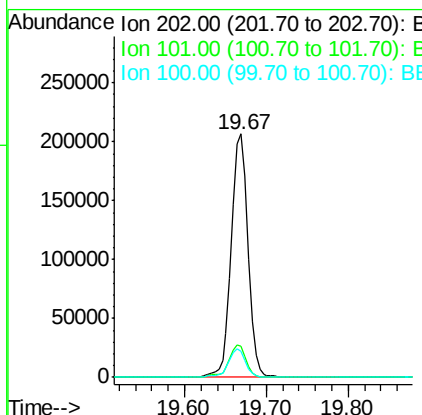
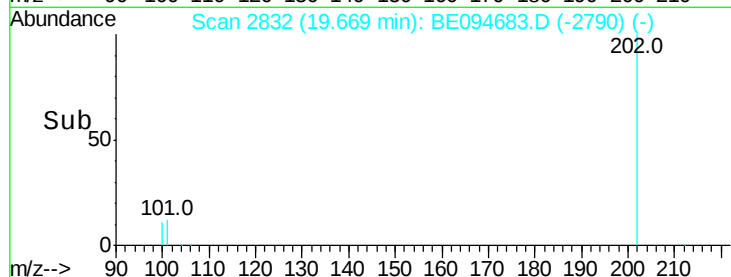
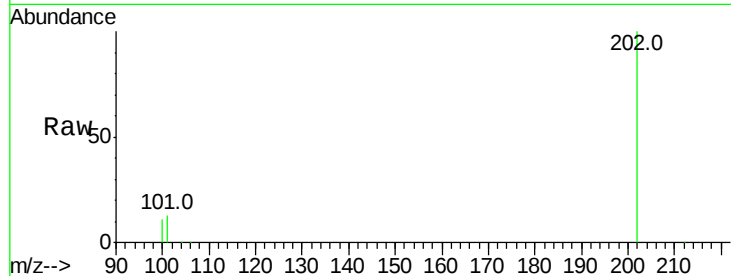
#17
Pvrene
Concen: 8.949 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Instrument :
BNA_E
ClientSampleId :
C0AH4DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	18.2	27.4#
100	10.6	15.6	23.4#

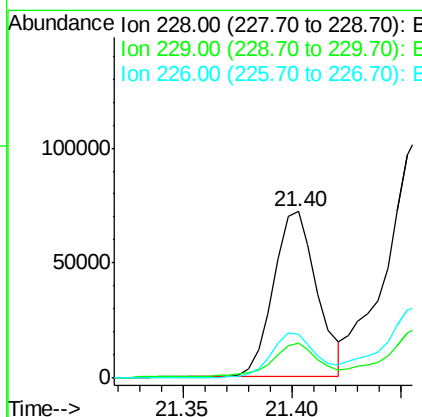
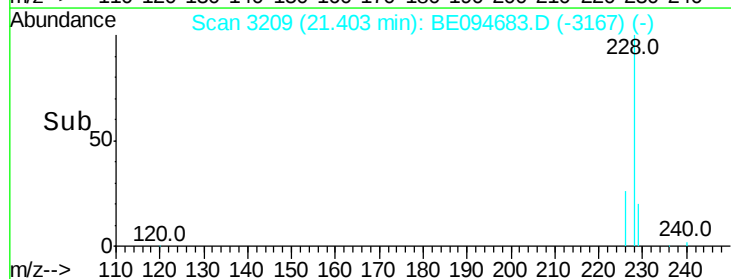
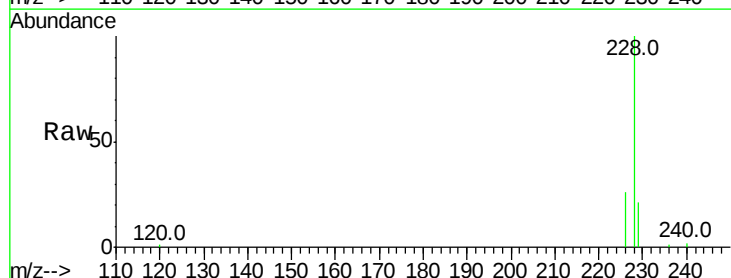
Manual Integrations
APPROVED

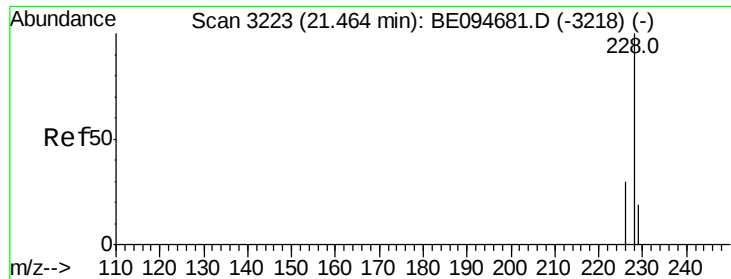
Sohil
11/1/2017 4:30:02 PM



#18
Benzo(a)anthracene
Concen: 3.352 ng/ul
RT: 21.40 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.6	22.8	34.2#
226	26.4	17.0	25.6#





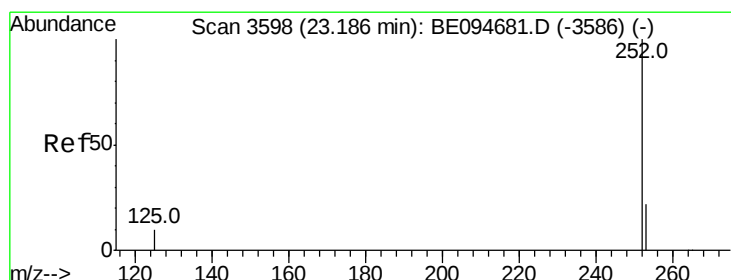
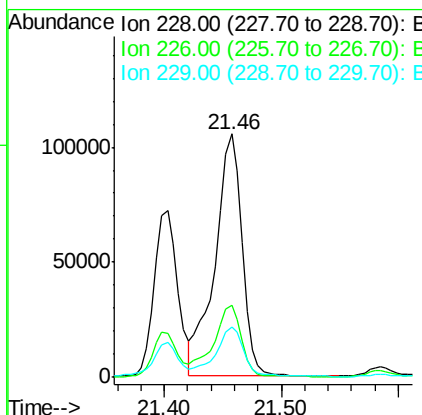
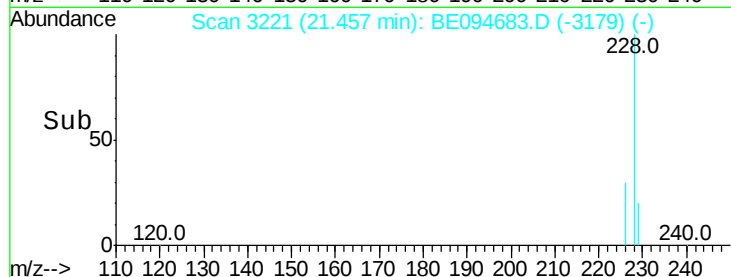
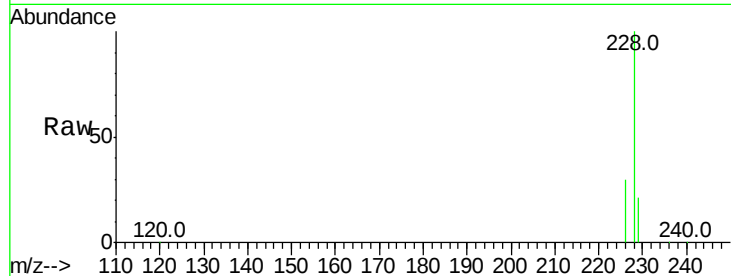
#19
Chrysene
Concen: 5.505 ng/ul
RT: 21.46 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Instrument :
BNA_E
ClientSampled :
C0AH4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	20.7	17.7	26.5

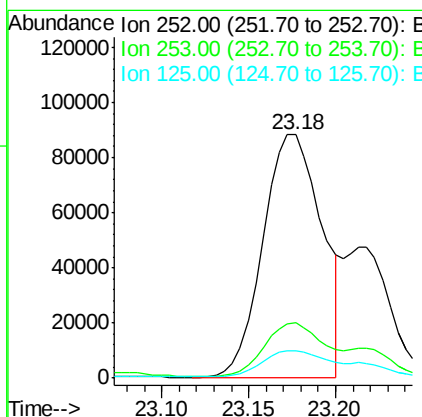
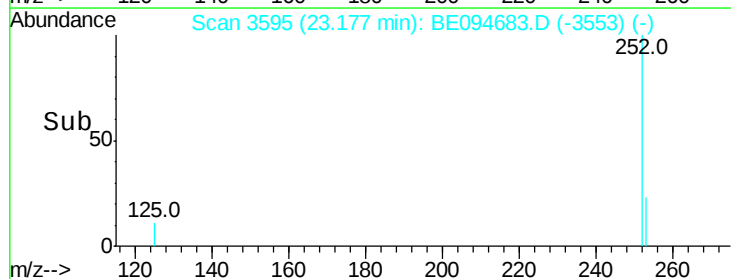
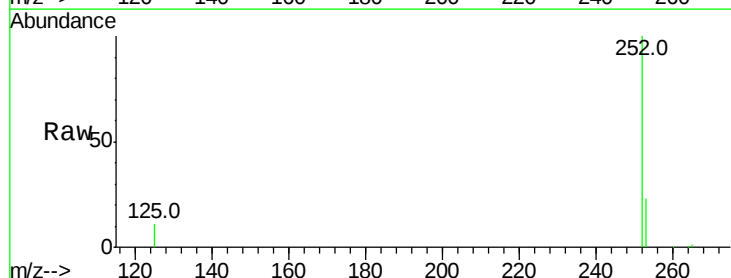
Manual Integrations
APPROVED

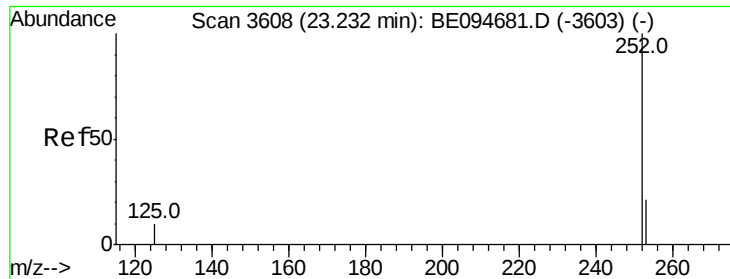
Sohil
11/1/2017 4:30:02 PM



#21
Benzo(b)fluoranthene
Concen: 6.722 ng/ul m
RT: 23.18 min Scan# 3595
Delta R.T. -0.01 min
Lab File: BE094683.D
Acq: 1 Nov 2017 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	64.2
125	11.3	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 2.713 ng/ul m

RT: 23.22 min Scan# 3604

Delta R.T. -0.01 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

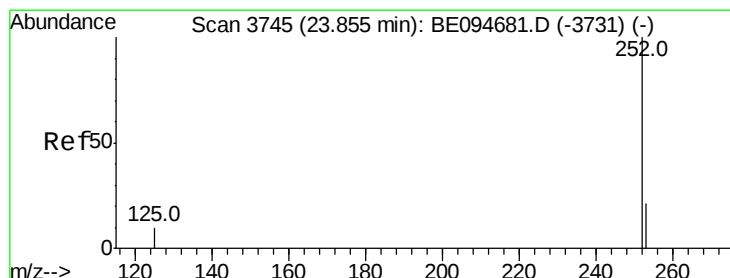
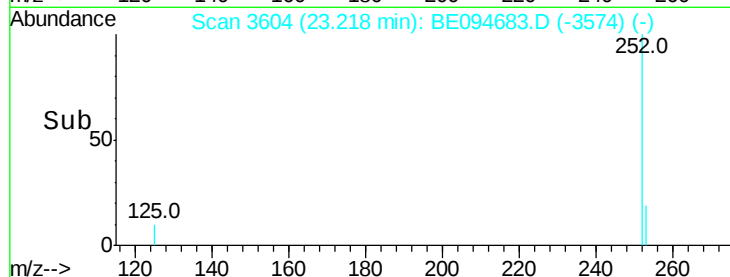
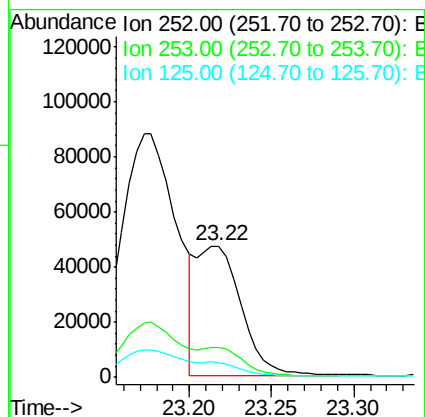
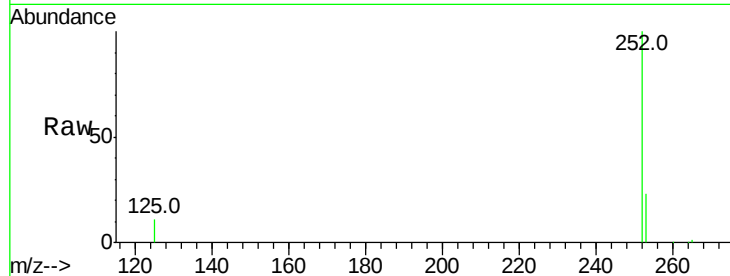
ClientSampled :

C0AH4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	24.5	36.7#
125	11.3	13.7	20.5#

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:02 PM



#23

Benzo(a)pyrene

Concen: 3.546 ng/ul

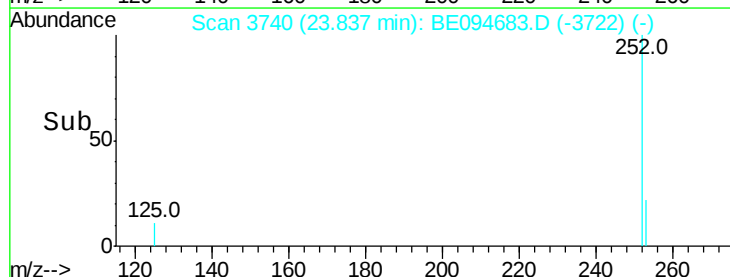
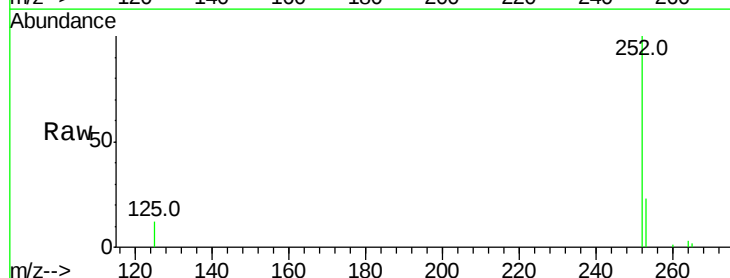
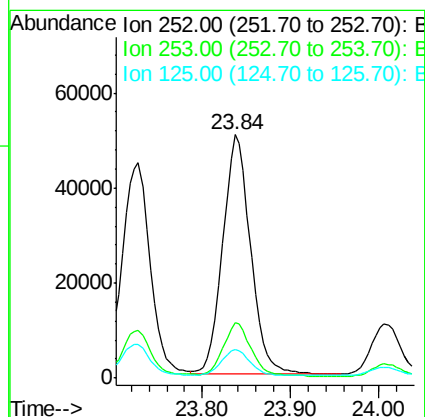
RT: 23.84 min Scan# 3740

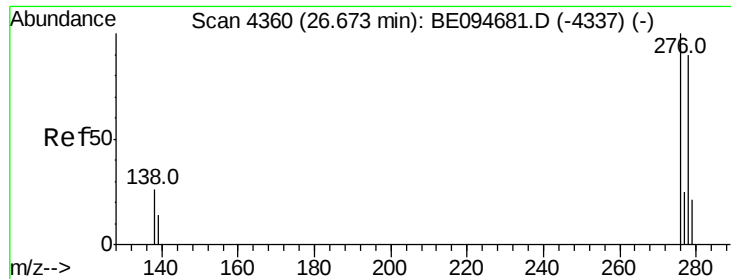
Delta R.T. -0.02 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	28.5	42.7#
125	12.0	18.1	27.1#





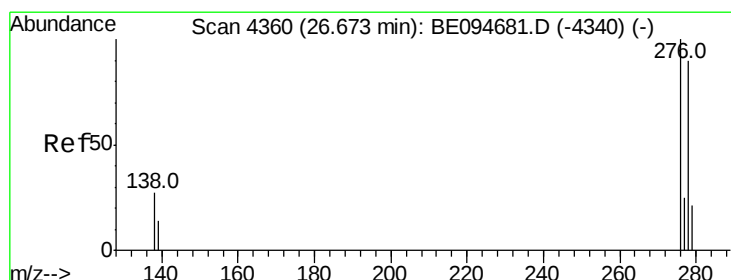
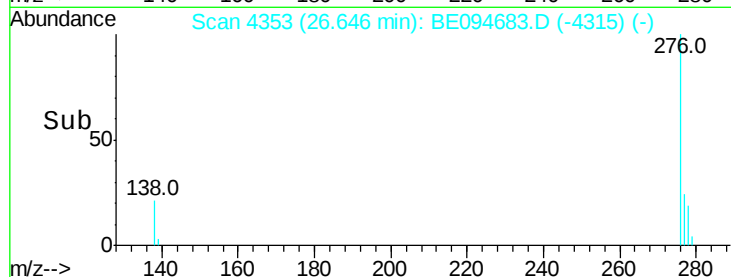
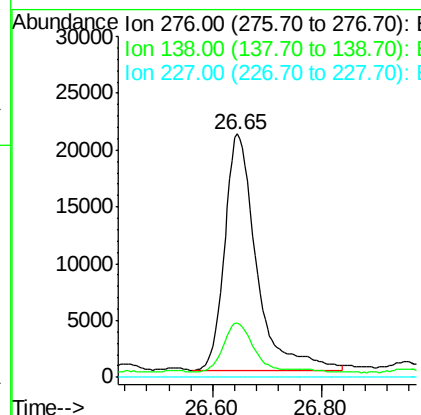
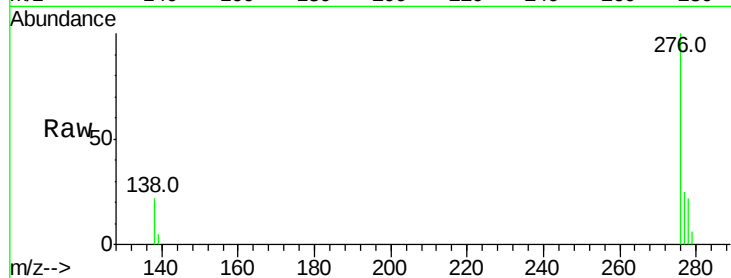
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.618 ng/ul
 RT: 26.65 min Scan# 4353
 Delta R.T. -0.03 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Instrument :
 BNA_E
 ClientSampleId :
 COAH4DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	83899		
138	21.2		28.0	42.0#
227	0.0		8.0	12.0#

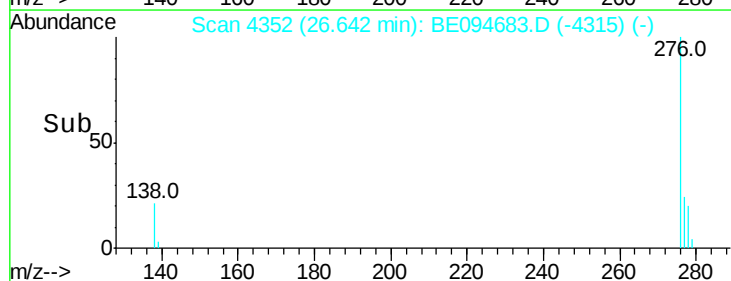
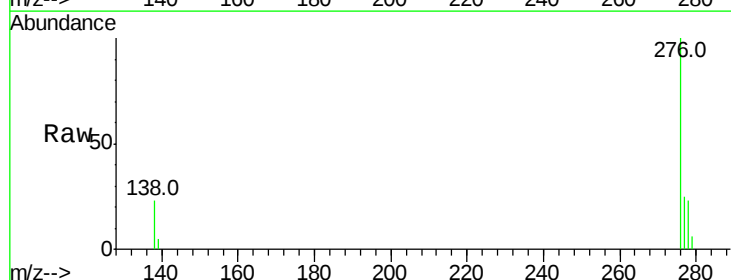
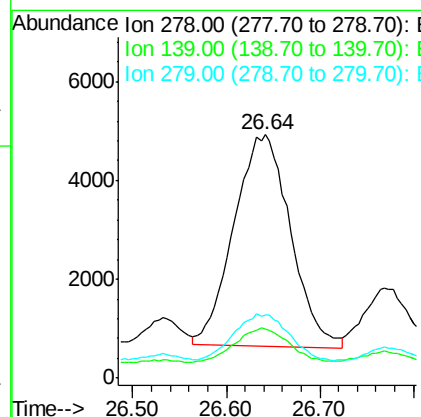
Manual Integrations
 APPROVED

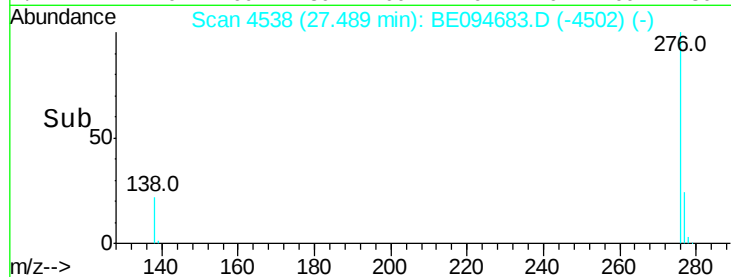
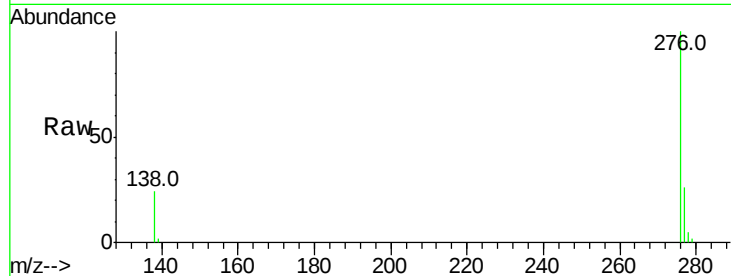
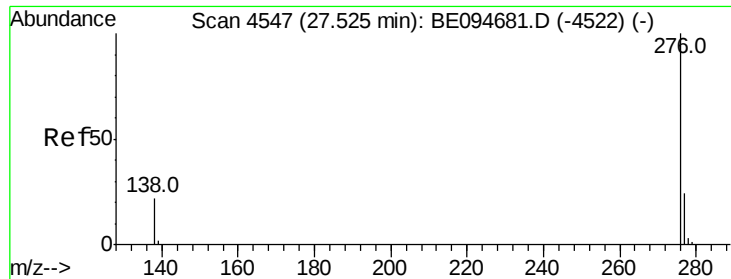
Sohil
 11/1/2017 4:30:02 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.663 ng/ul
 RT: 26.64 min Scan# 4352
 Delta R.T. -0.03 min
 Lab File: BE094683.D
 Acq: 1 Nov 2017 6:05

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	17910		
139	20.2		17.4	26.0
279	26.0		25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 2.562 ng/ul

RT: 27.49 min Scan# 4538

Delta R.T. -0.04 min

Lab File: BE094683.D

Acq: 1 Nov 2017 6:05

Instrument :

BNA_E

ClientSampleId :

C0AH4DL

Tot Ion:	276	Resp:	65929
Ion Ratio	Lower	Upper	
276	100		
138	24.0	21.8	32.8
277	25.5	20.5	30.7

Manual Integrations
APPROVED

Sohil
11/1/2017 4:30:02 PM

