

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
 Data File : BE094854.D
 Acq On : 23 Nov 2017 4:21
 Operator : SJ/JU
 Sample : I6496-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AA6

Manual Integrations
 APPROVED

Sohil
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Quant Time: Nov 23 22:43:40 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 23 02:50:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	699	0.40	ng/ul	-0.04
2) Naphthalene-d8	10.67	136	4966	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.50	164	3539	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8088	0.40	ng/ul	-0.02
16) Chrysene-d12	21.42	240	8242	0.40	ng/ul	-0.01
20) Perylene-d12	23.96	264	7422m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	2156	0.27	ng/ul	-0.01
14) Fluoranthene-d10	19.27	212	7428	0.27	ng/ul	-0.02
Target Compounds						
					Ovalue	
3) Naphthalene	10.72	128	383	0.032	ng/ul#	61
5) 2-Methylnaphthalene	12.37	142	228	0.028	ng/ul	92
7) Acenaphthylene	14.23	152	448	0.028	ng/ul#	66
8) Acenaphthene	14.56	153	362	0.032	ng/ul#	86
9) Fluorene	15.55	166	480	0.035	ng/ul#	87
12) Phenanthrene	17.27	178	10248	0.472	ng/ul#	90
13) Anthracene	17.36	178	2300	0.104	ng/ul#	92
15) Fluoranthene	19.30	202	21154	0.742	ng/ul	83
17) Pyrene	19.66	202	20530	0.796	ng/ul#	78
18) Benzo(a)anthracene	21.40	228	9811	0.392	ng/ul#	87
19) Chrysene	21.46	228	8826	0.353	ng/ul	98
21) Benzo(b)fluoranthene	23.17	252	10388m	0.470	ng/ul	
22) Benzo(k)fluoranthene	23.21	252	3776m	0.161	ng/ul	
23) Benzo(a)pyrene	23.83	252	8047m	0.366	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.66	276	4845m	0.202	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	1218m	0.060	ng/ul	
26) Benzo(a,h,i)perylene	27.51	276	4723m	0.235	ng/ul	

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

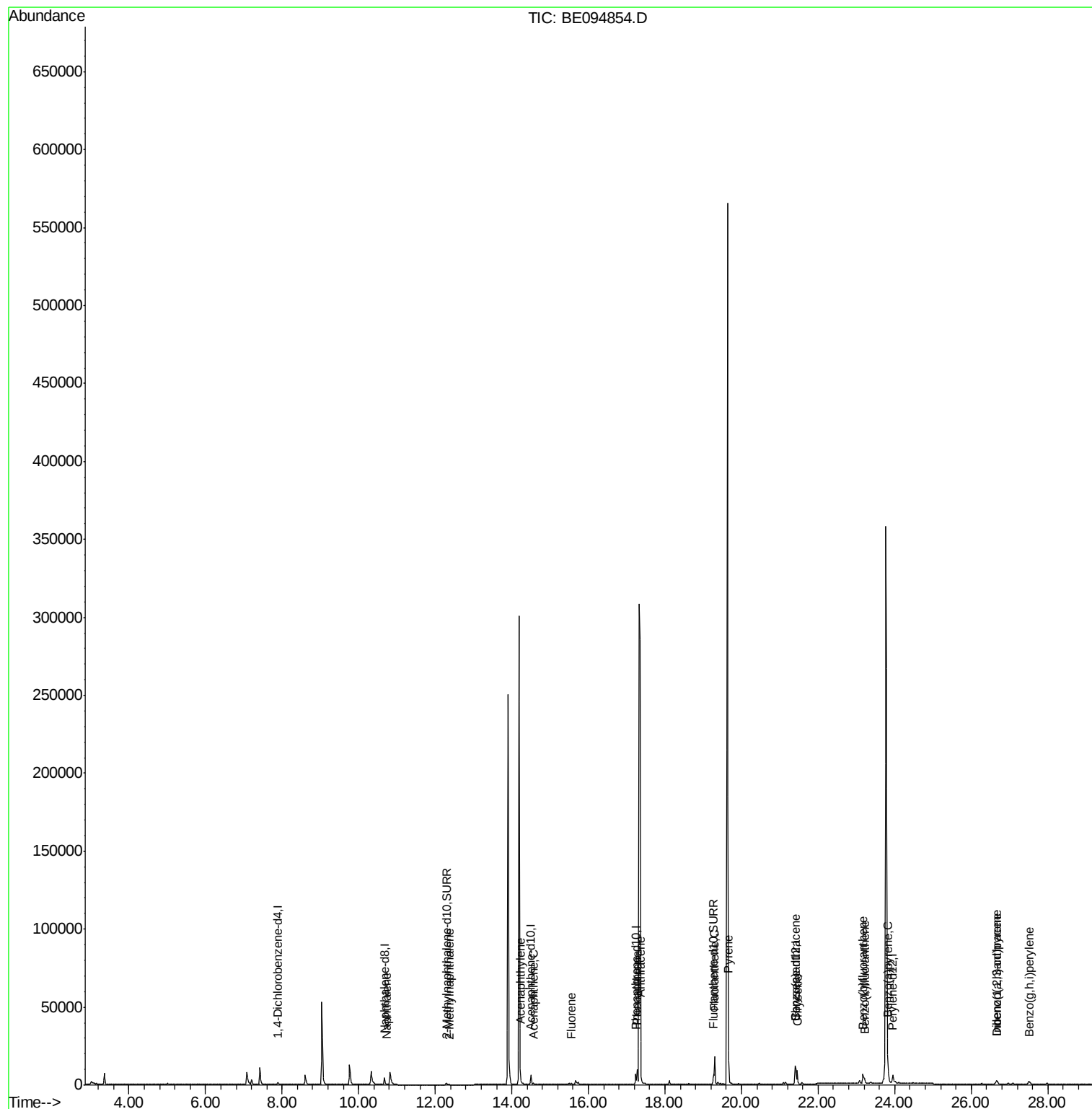
Data Path : Z:\HPCHEM1\BNA E\DATA\BE112217\
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ALS Vial : 30 Sample Multiplier: 1

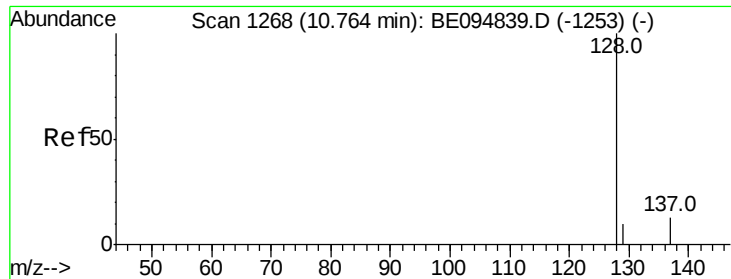
Instrument :
BNA_E
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#3

Naphthalene

Concen: 0.032 ng/ul

RT: 10.72 min Scan# 1259

Delta R.T. -0.04 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

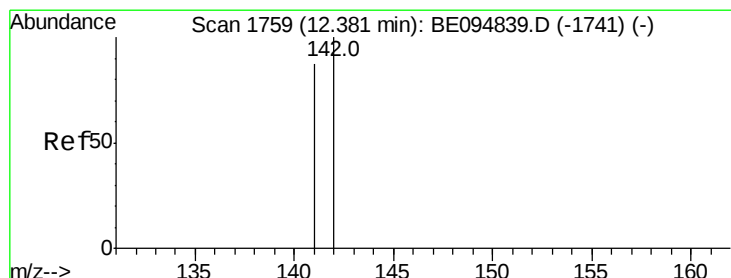
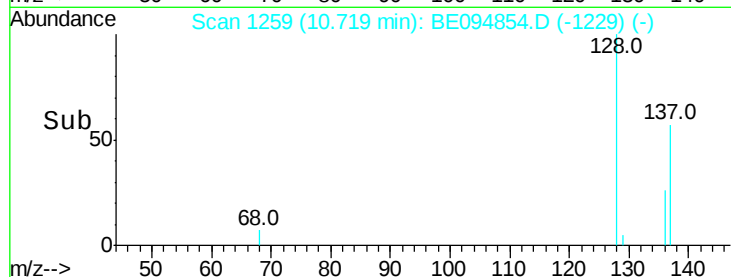
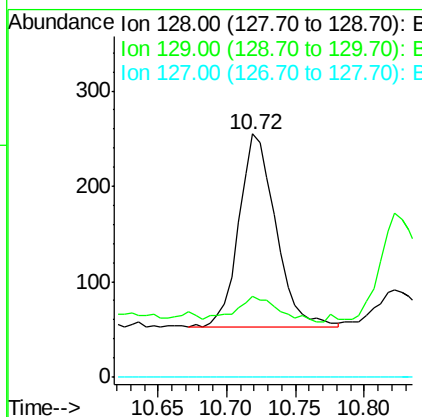
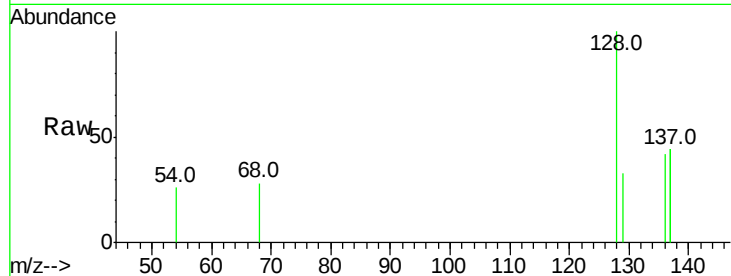
ClientSampled :

C0AA6

Tot Ion:	128	Resp:	383
Ion Ratio	Lower	Upper	
128	100		
129	33.3	11.3	16.9#
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.028 ng/ul

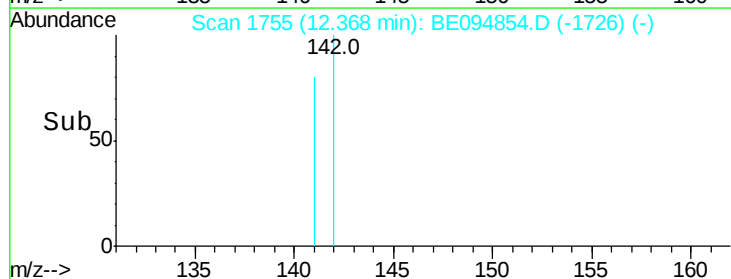
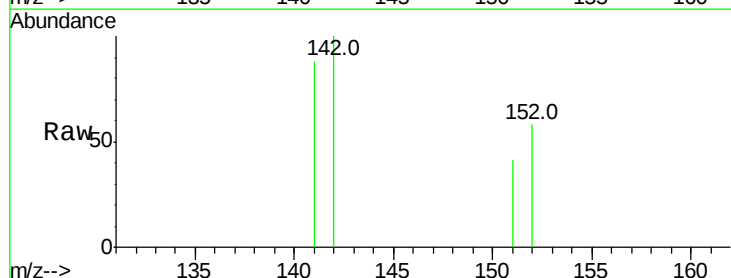
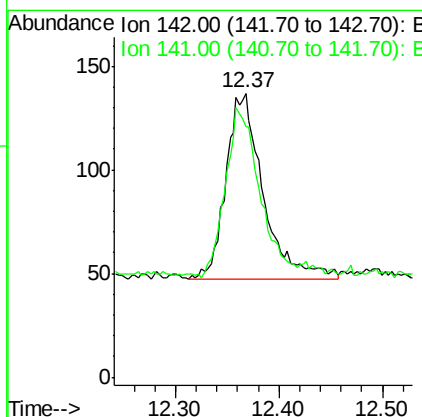
RT: 12.37 min Scan# 1755

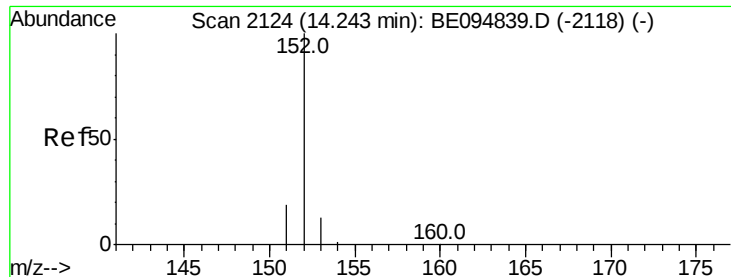
Delta R.T. -0.01 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Tgt Ion:	142	Resp:	228
Ion Ratio	Lower	Upper	
142	100		
141	83.3	72.6	108.8





#7

Acenaphthylene

Concen: 0.028 ng/ul

RT: 14.23 min Scan# 2122

Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

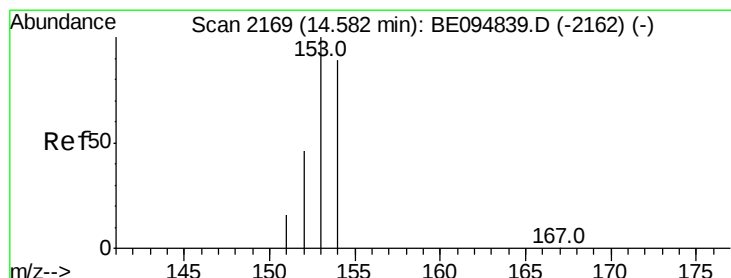
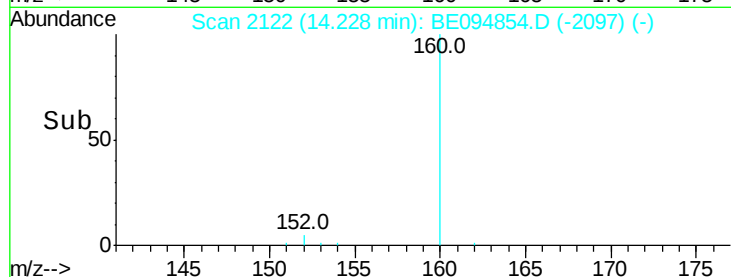
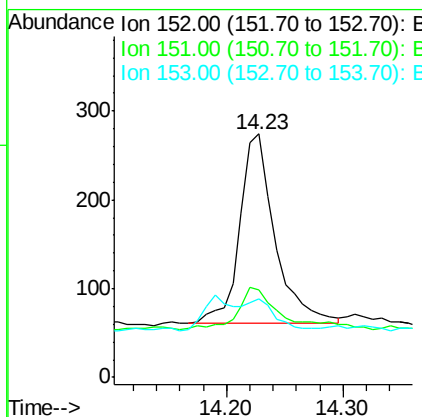
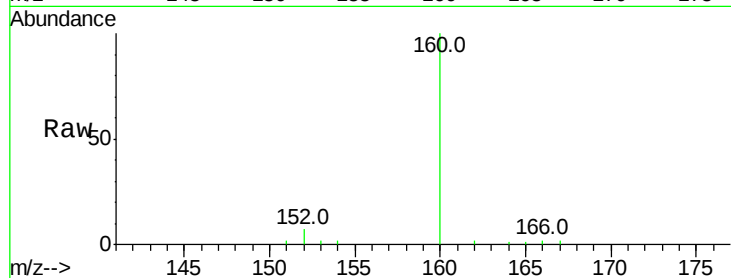
ClientSampleId :

C0AA6

Tot Ion	152	Resp	448
Ion Ratio	Lower	Upper	
152	100		
151	36.1	17.1	25.7#
153	32.5	12.8	19.2#

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#8

Acenaphthene

Concen: 0.032 ng/ul

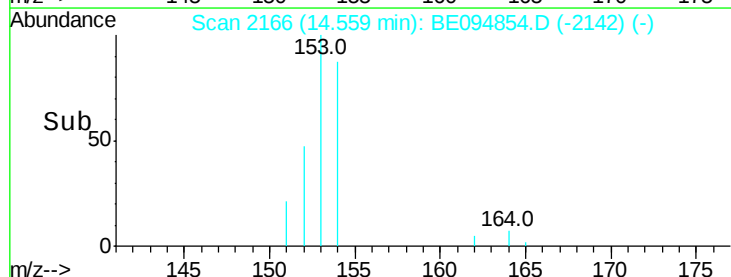
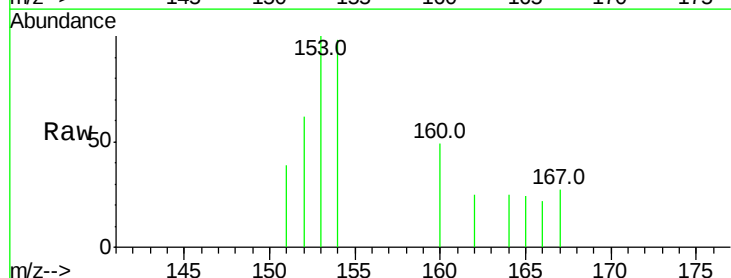
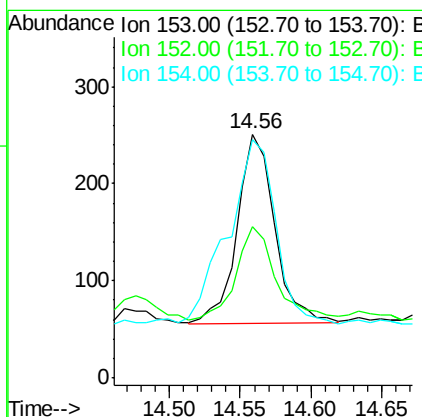
RT: 14.56 min Scan# 2166

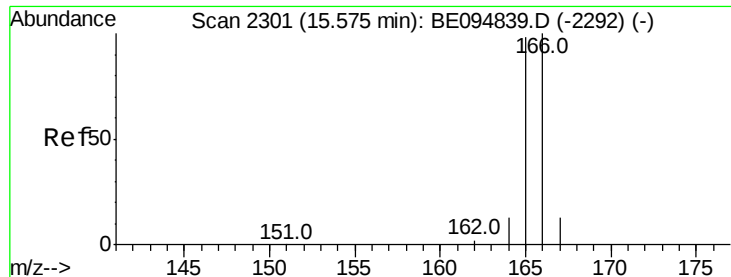
Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Tgt Ion	153	Resp	362
Ion Ratio	Lower	Upper	
153	100		
152	62.2	36.0	54.0#
154	98.0	72.0	108.0





#9

Fluorene

Concen: 0.035 ng/ul

RT: 15.55 min Scan# 2298

Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

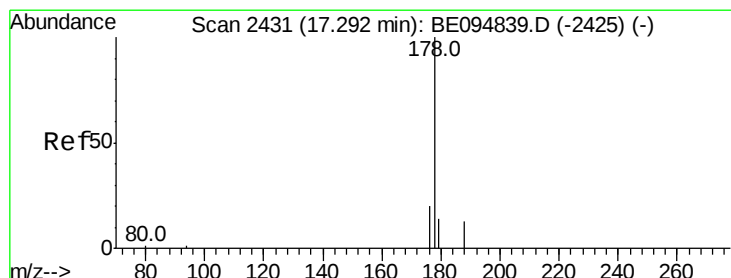
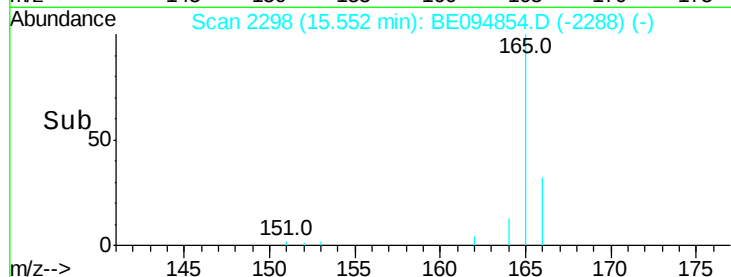
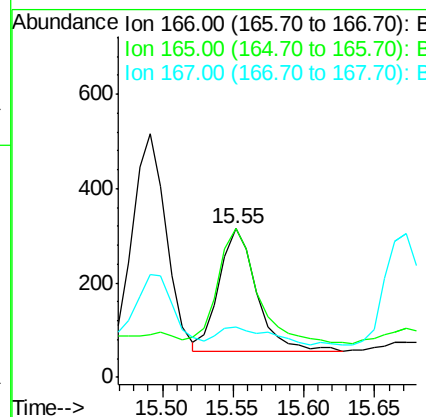
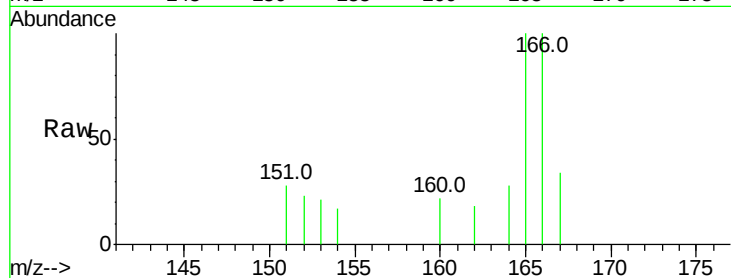
ClientSampleId :

C0AA6

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	73.4	110.2
167	34.0	14.6	22.0

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#12

Phenanthrene

Concen: 0.472 ng/ul

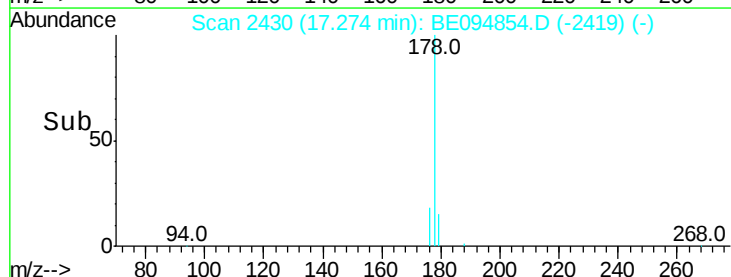
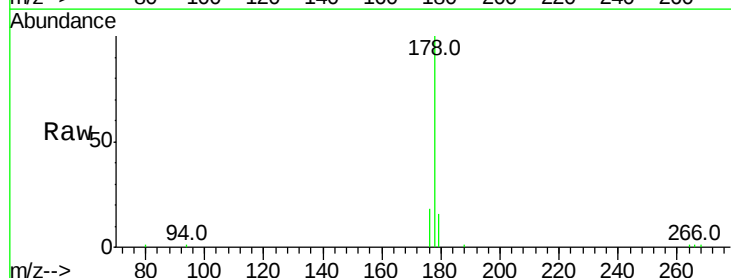
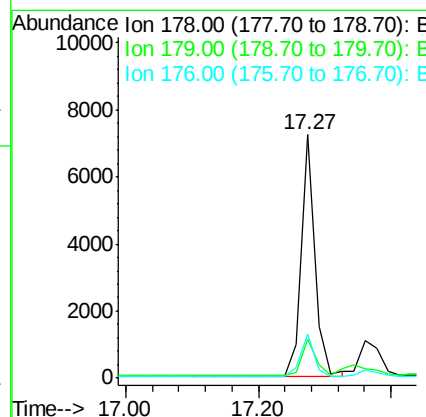
RT: 17.27 min Scan# 2430

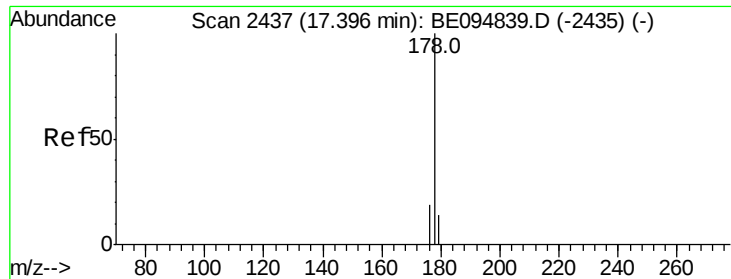
Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	18.4	27.6
176	18.2	13.6	20.4





#13

Anthracene

Concen: 0.104 ng/ul

RT: 17.36 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

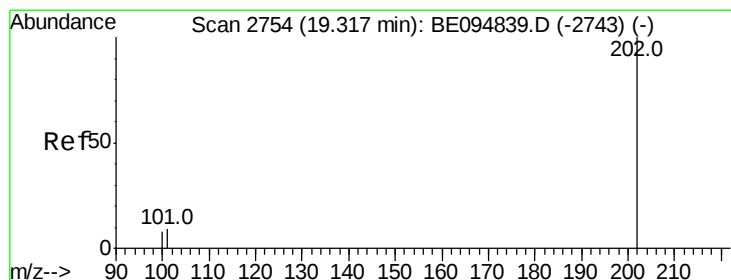
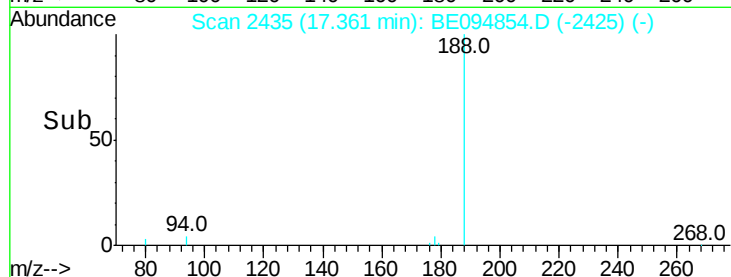
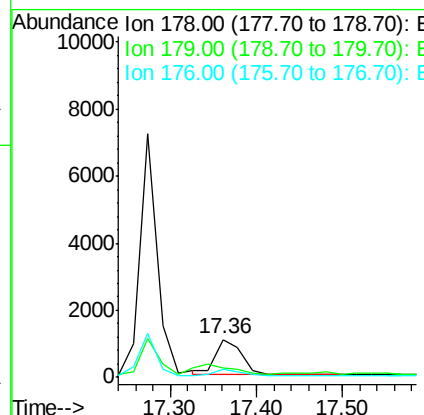
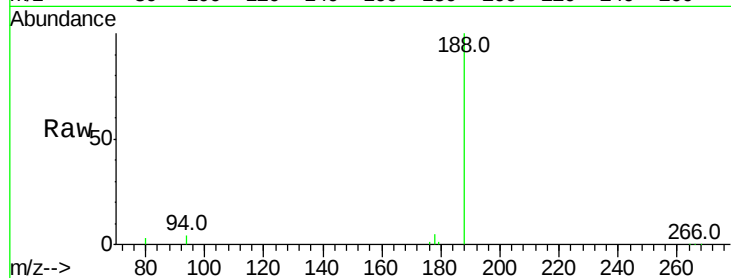
ClientSampleId :

C0AA6

Tot Ion	Ratio	Lower	Upper
178	100		
179	26.0	18.1	27.1
176	22.8	14.7	22.1

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#15

Fluoranthene

Concen: 0.742 ng/ul

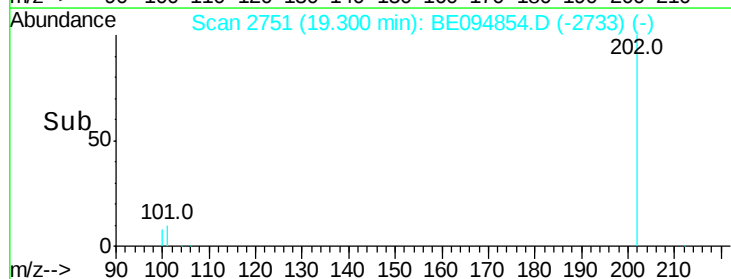
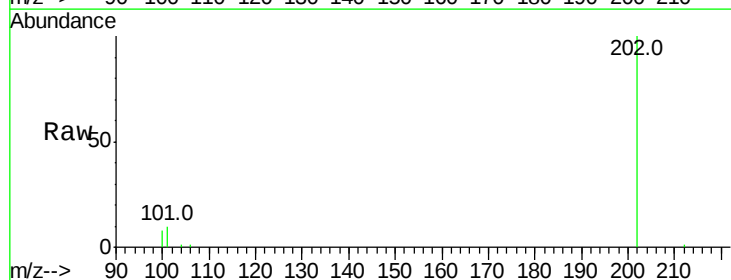
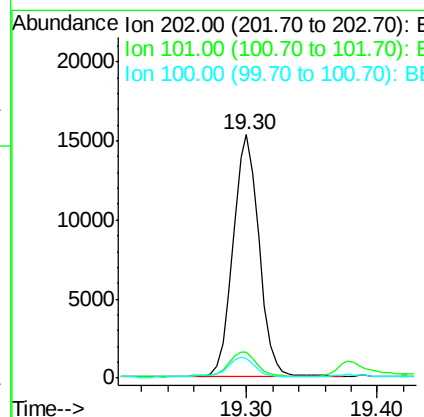
RT: 19.30 min Scan# 2751

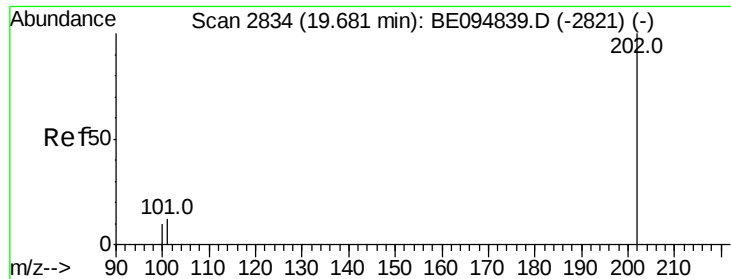
Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.3
100	8.0	0.0	39.5





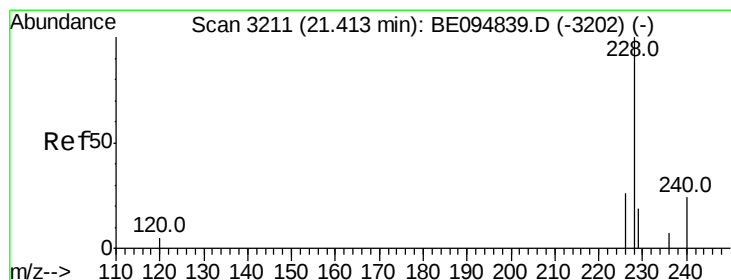
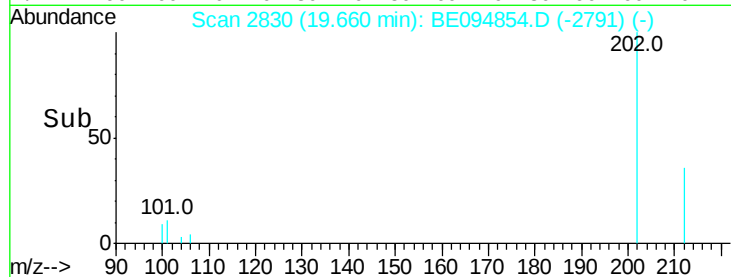
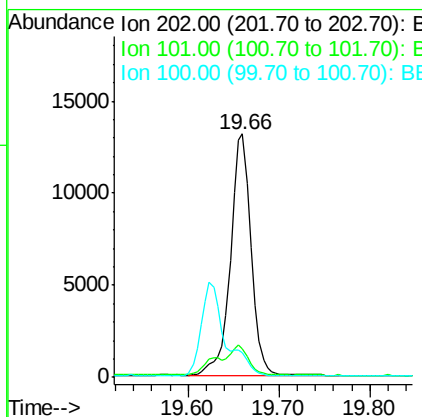
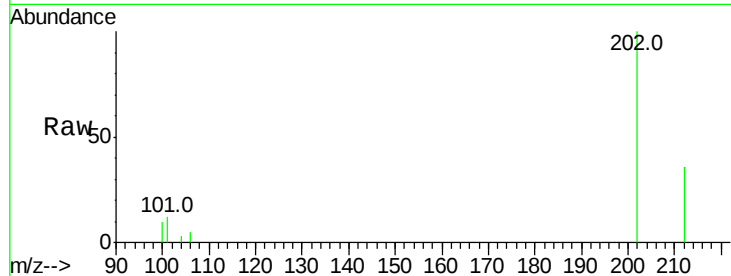
#17
Pvrene
Concen: 0.796 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BE094854.D
Acq: 23 Nov 2017 4:21

Instrument :
BNA_E
ClientSampleId :
C0AA6

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	18.2	27.4#
100	10.0	15.6	23.4#

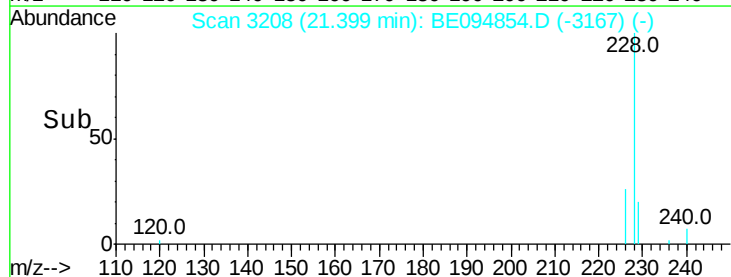
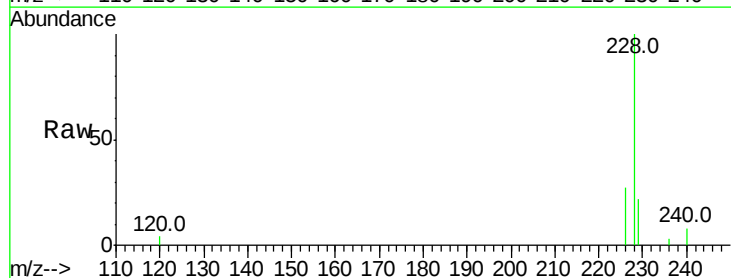
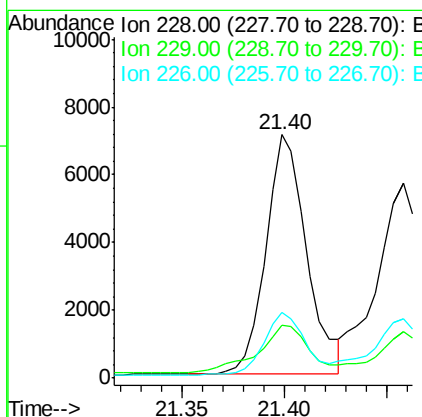
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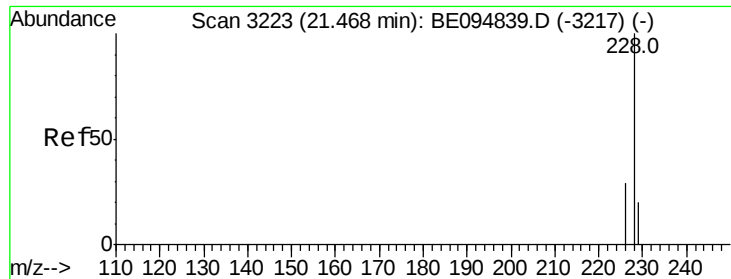
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#18
Benzo(a)anthracene
Concen: 0.392 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. -0.01 min
Lab File: BE094854.D
Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	22.8	34.2#
226	26.9	17.0	25.6#





#19

Chrysene

Concen: 0.353 ng/ul

RT: 21.46 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

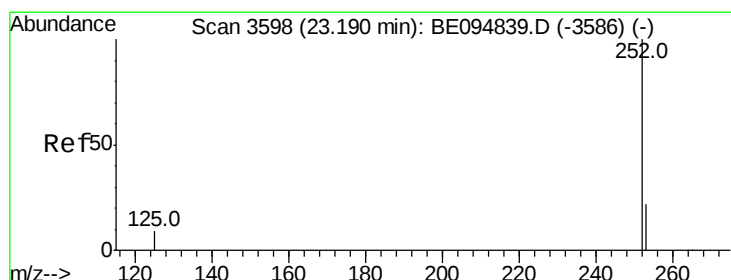
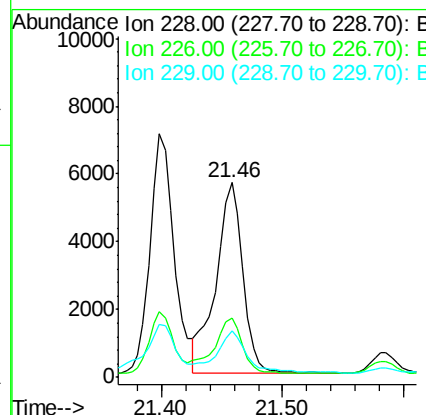
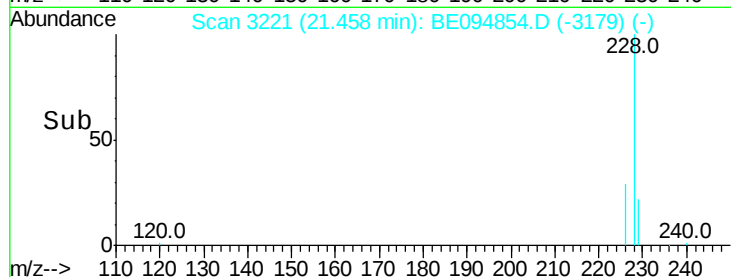
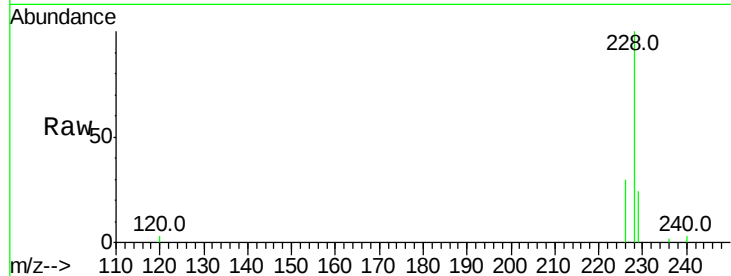
ClientSampleId :

C0AA6

Tot Ion:	228	Resp:	8826
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.4	35.0
229	23.6	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 0.470 ng/ul m

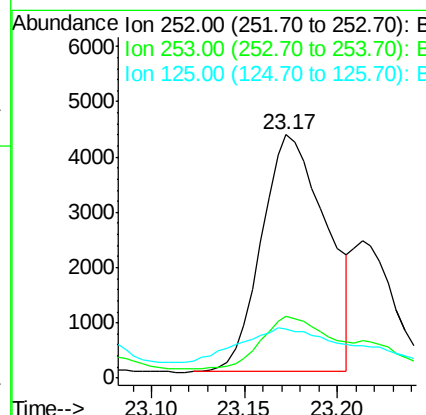
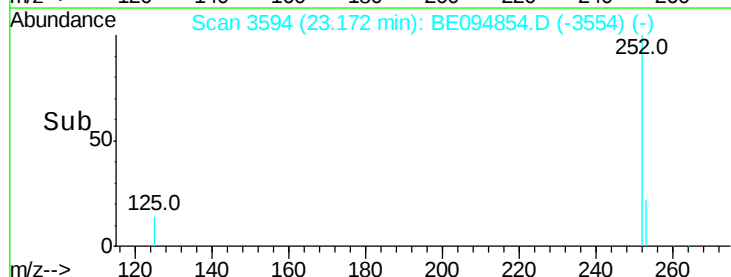
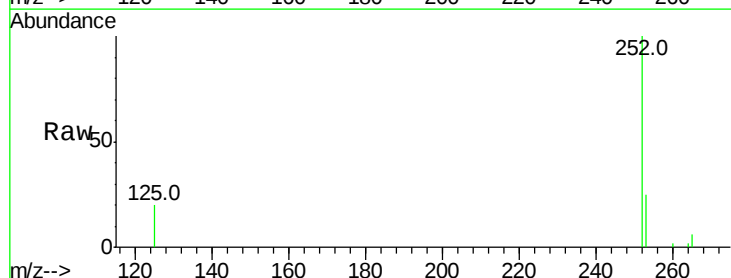
RT: 23.17 min Scan# 3594

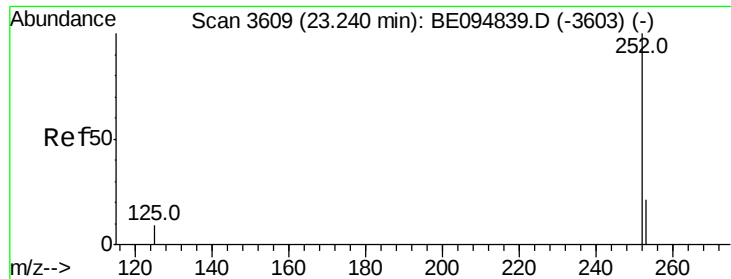
Delta R.T. -0.02 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Tgt Ion:	252	Resp:	10388
Ion Ratio	Lower	Upper	
252	100		
253	25.4	0.0	64.2
125	20.3	0.0	35.0





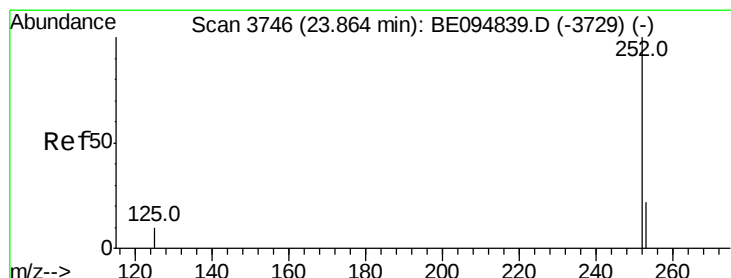
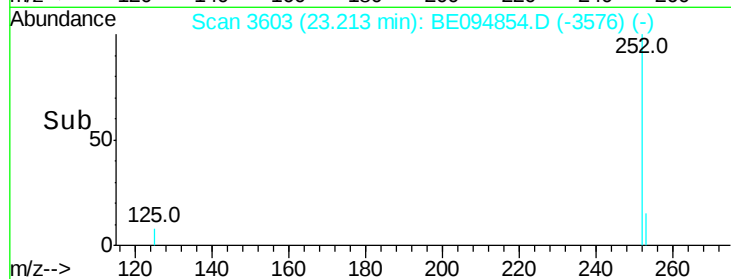
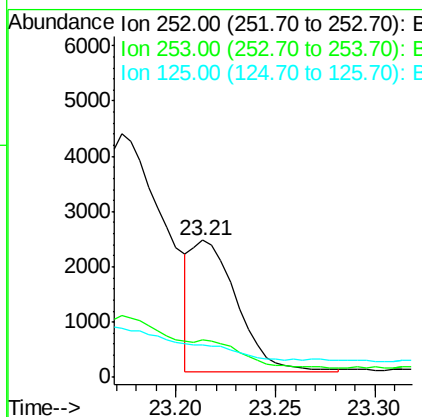
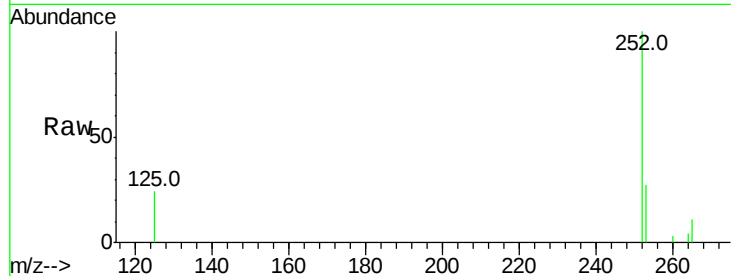
#22
Benzo(k)fluoranthene
Concen: 0.161 ng/ul m
RT: 23.21 min Scan# 3603
Delta R.T. -0.03 min
Lab File: BE094854.D
Acq: 23 Nov 2017 4:21

Instrument :
BNA_E
ClientSampleId :
C0AA6

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	24.5	36.7
125	23.7	13.7	20.5#

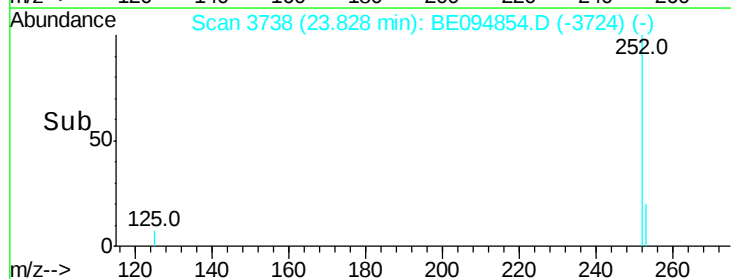
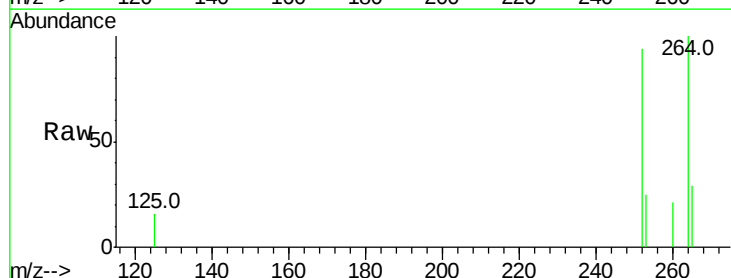
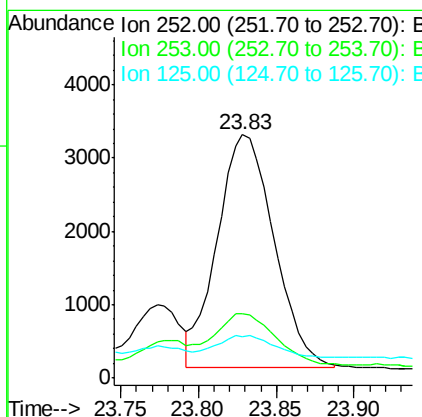
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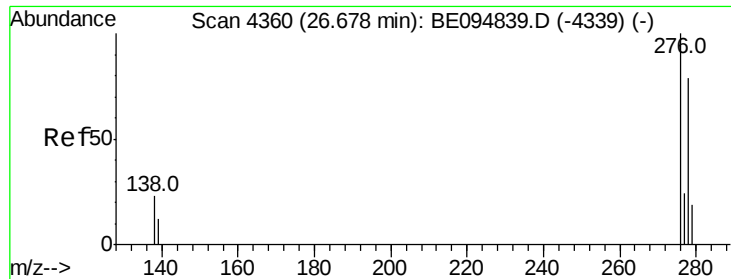
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#23
Benzo(a)pyrene
Concen: 0.366 ng/ul m
RT: 23.83 min Scan# 3738
Delta R.T. -0.04 min
Lab File: BE094854.D
Acq: 23 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	28.5	42.7#
125	17.2	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.202 ng/ul m

RT: 26.66 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

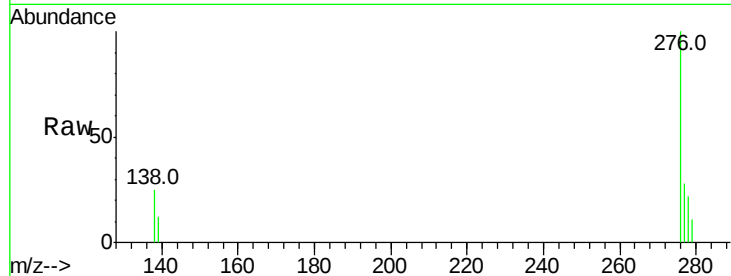
ClientSampleId :

C0AA6

Tot Ion:	276	Resp:	4845
Ion Ratio	Lower	Upper	
276	100		
138	0.0	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
APPROVED

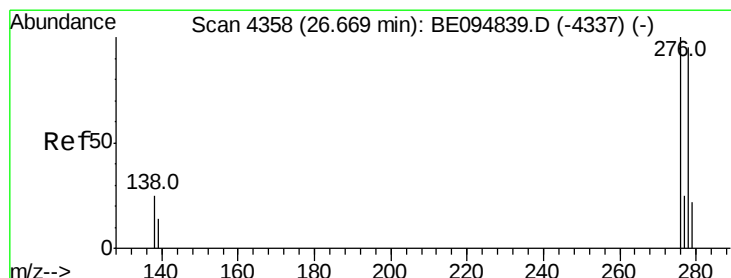
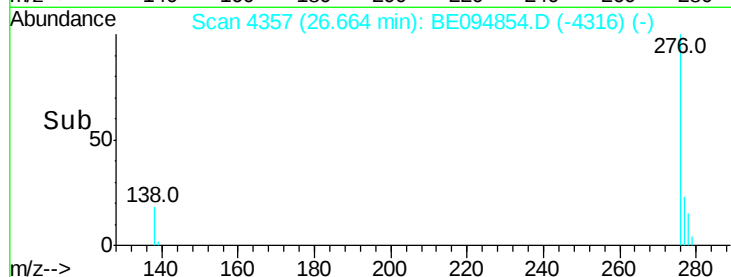
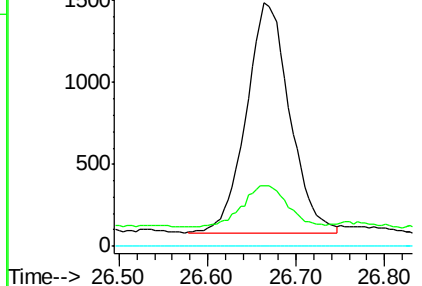
Sohil
11/27/2017 3:26:11 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.060 ng/ul m

RT: 26.65 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BE094854.D

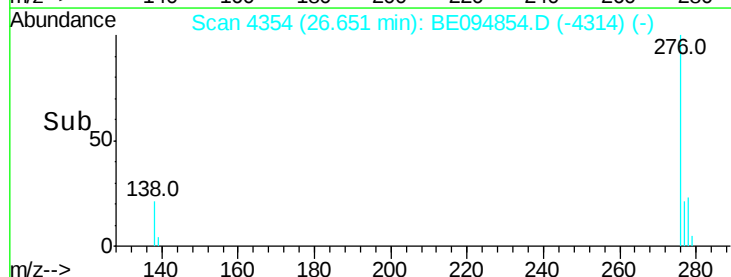
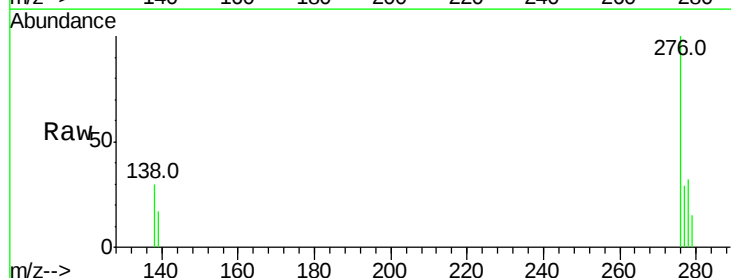
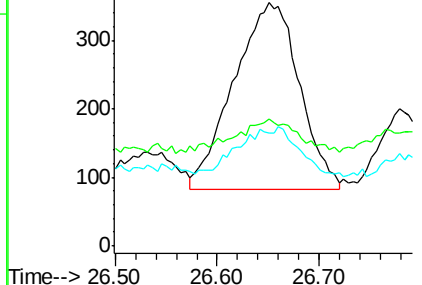
Acq: 23 Nov 2017 4:21

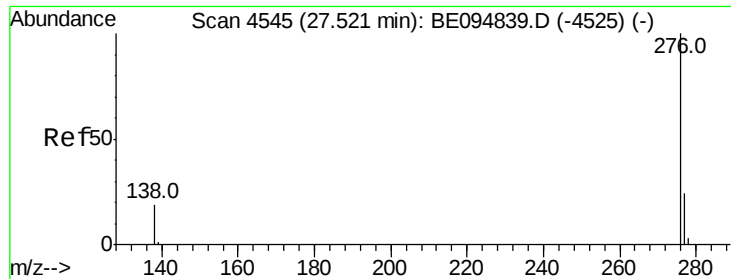
Tgt Ion:	278	Resp:	1218
Ion Ratio	Lower	Upper	
278	100		
139	52.1	17.4	26.0#
279	46.5	25.9	38.9#

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(a,h,i)perylene

Concen: 0.235 ng/ul m

RT: 27.51 min Scan# 4543

Delta R.T. -0.01 min

Lab File: BE094854.D

Acq: 23 Nov 2017 4:21

Instrument :

BNA_E

ClientSampleId :

C0AA6

Tot Ion:	276	Resp:	4723
Ion Ratio	Lower	Upper	
276	100		
138	27.4	21.8	32.8
277	29.3	20.5	30.7

Manual Integrations
APPROVED

Sohil
11/27/2017 3:26:11 PM

