

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
 Data File : BE094576.D
 Acq On : 26 Oct 2017 23:31
 Operator : SJ/JU
 Sample : I5719-06 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-37(1-3)-100417

Manual Integrations
 APPROVED

Sohil
 10/27/2017 5:35:45 PM

Quant Time: Oct 27 09:10:17 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 04:05:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1358	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7696	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4423	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9618	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	9867	0.40	ng/ul	0.00
20) Perylene-d12	23.96	264	10224	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	437	0.03	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1026	0.04	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.74	128	4846	0.258	ng/ul#	95
5) 2-Methylnaphthalene	12.35	142	1903	0.145	ng/ul	97
7) Acenaphthylene	14.24	152	5126	0.256	ng/ul	98
8) Acenaphthene	14.57	153	4996	0.348	ng/ul	94
9) Fluorene	15.57	166	9541	0.591	ng/ul	95
12) Phenanthrene	17.29	178	156011	6.141	ng/ul#	89
13) Anthracene	17.38	178	36330	1.449	ng/ul#	90
15) Fluoranthene	19.31	202	309833	10.549	ng/ul	84
17) Pyrene	19.67	202	274871	9.011	ng/ul#	80
18) Benzo(a)anthracene	21.40	228	149877	5.313	ng/ul#	86
19) Chrysene	21.46	228	143400	4.918	ng/ul	96
21) Benzo(b)fluoranthene	23.19	252	194252m	6.754	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	58158m	1.887	ng/ul	
23) Benzo(a)pyrene	23.85	252	130100	4.526	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.67	276	84199	2.830	ng/ul#	74
25) Dibenzo(a,h)anthracene	26.66	278	21344	0.852	ng/ul#	70
26) Benzo(g,h,i)perylene	27.52	276	74994	3.140	ng/ul	94

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

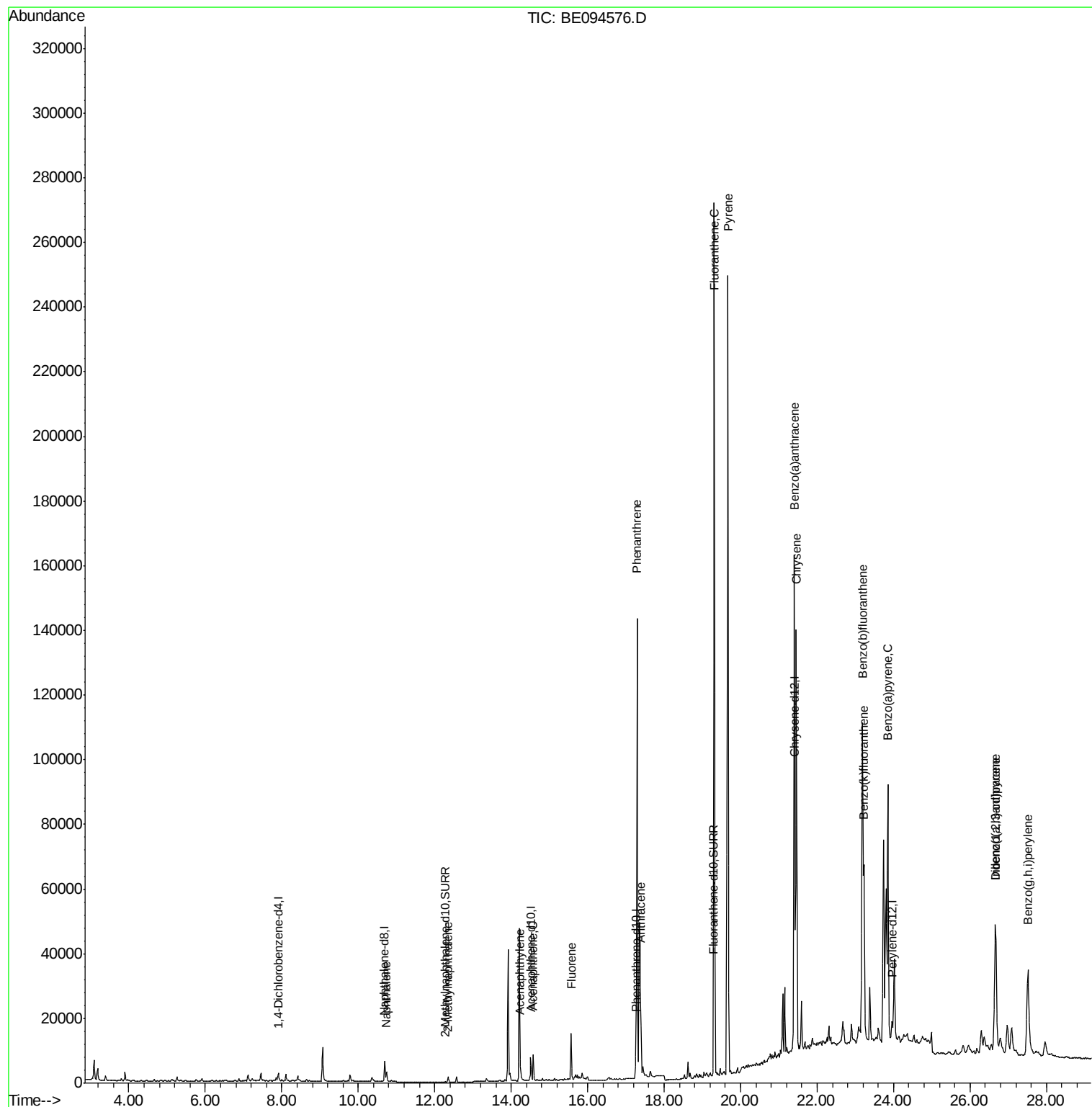
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
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ALS Vial : 20 Sample Multiplier: 1

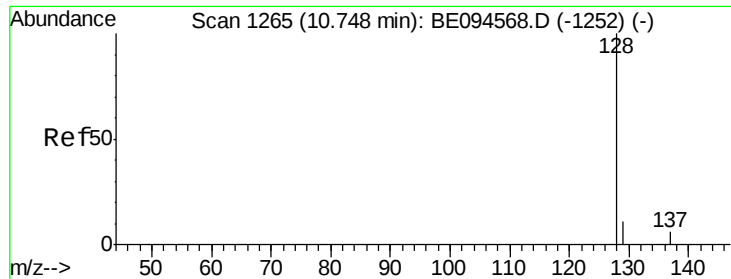
Instrument :
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#3

Naphthalene

Concen: 0.258 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

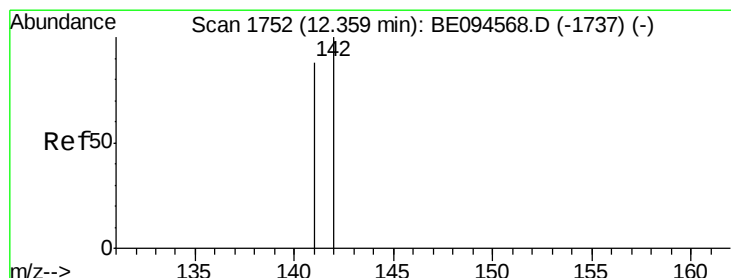
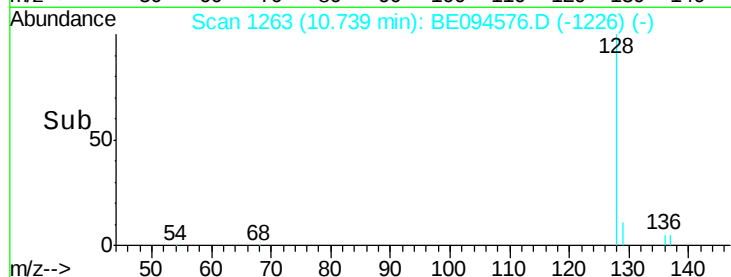
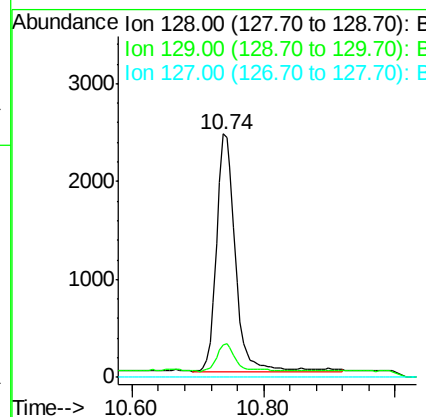
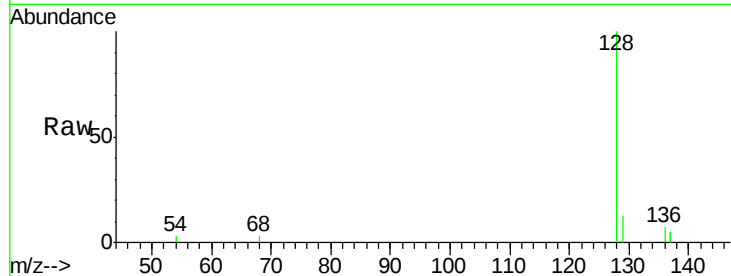
ClientSampleId :

B-37(1-3)-100417

Tgt Ion:	128	Resp:	4846
Ion Ratio	Lower	Upper	
128	100		
129	13.3	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.145 ng/ul

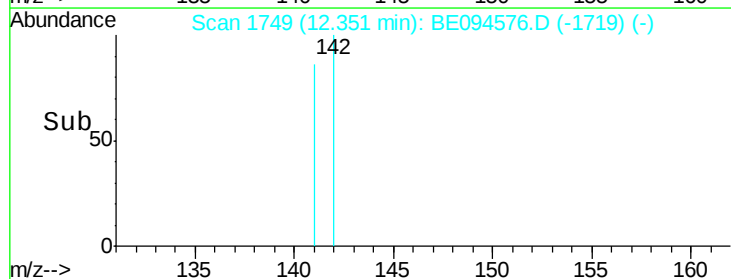
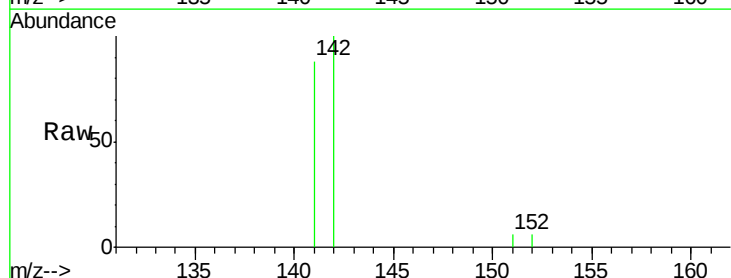
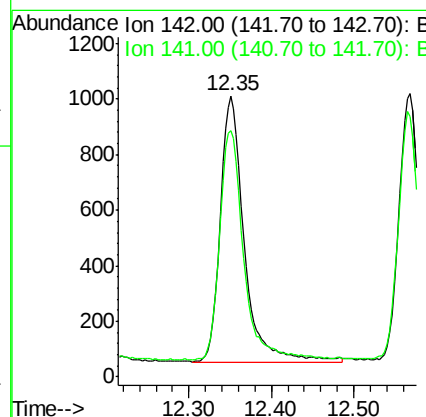
RT: 12.35 min Scan# 1749

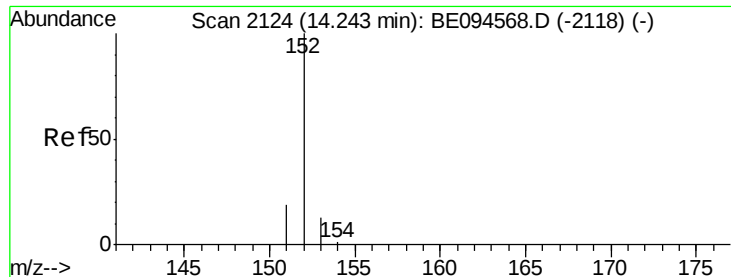
Delta R.T. -0.01 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	142	Resp:	1903
Ion Ratio	Lower	Upper	
142	100		
141	87.7	72.6	108.8





#7

Acenaphthylene

Concen: 0.256 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

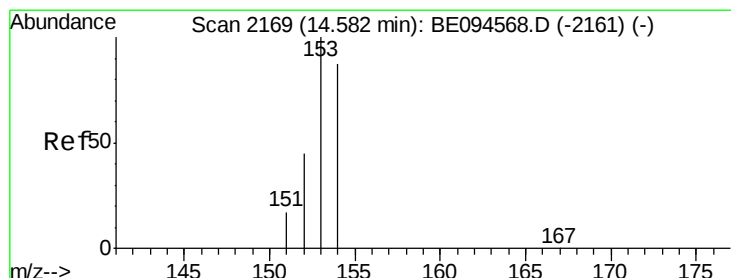
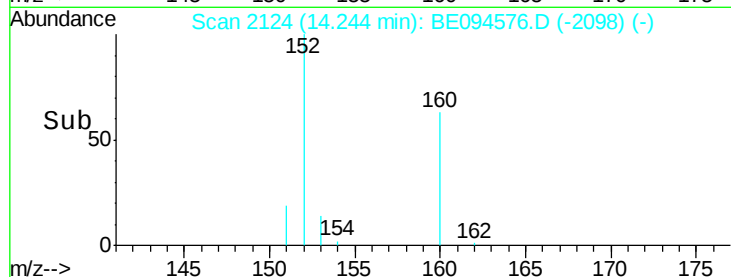
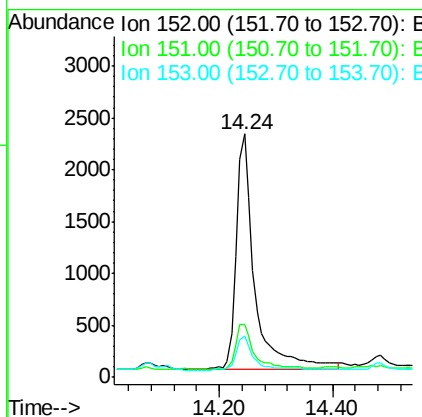
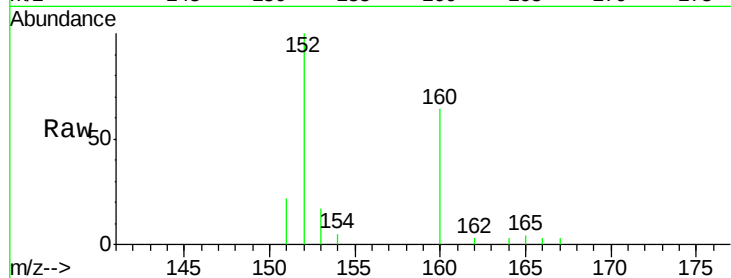
ClientSampleId :

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Tgt Ion:	152	Resp:	5126
Ion Ratio	Lower	Upper	
152	100		
151	21.9	17.1	25.7
153	17.0	12.8	19.2

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#8

Acenaphthene

Concen: 0.348 ng/ul

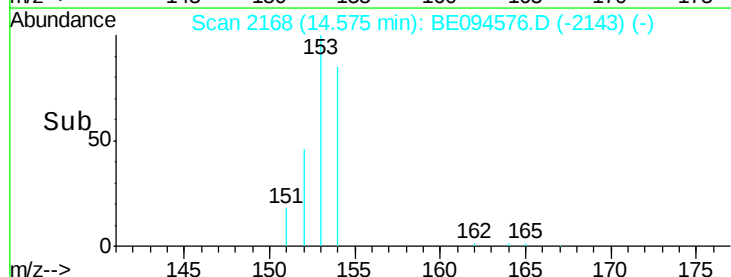
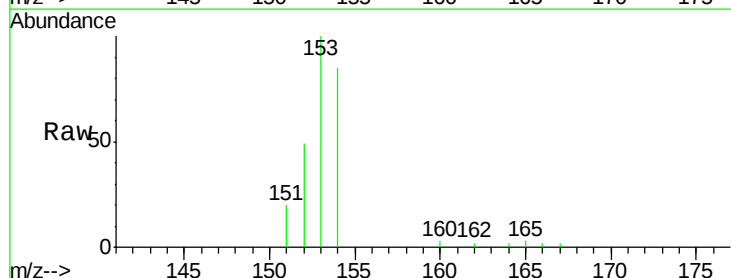
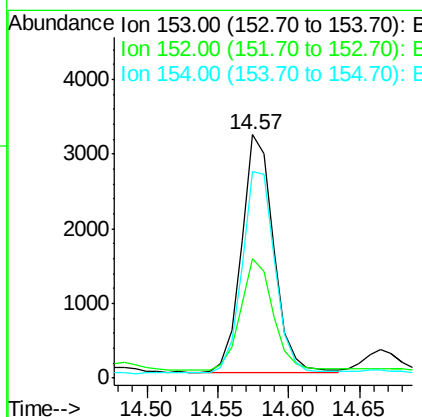
RT: 14.57 min Scan# 2168

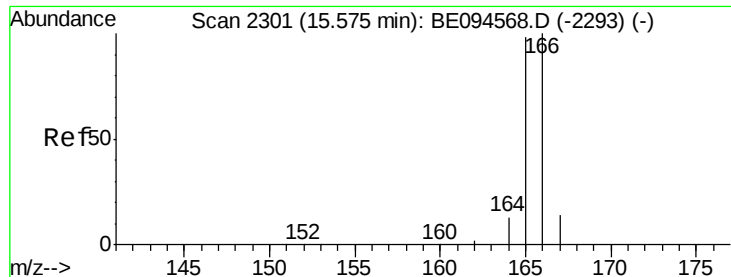
Delta R.T. -0.01 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	153	Resp:	4996
Ion Ratio	Lower	Upper	
153	100		
152	49.1	36.0	54.0
154	84.7	72.0	108.0





#9

Fluorene

Concen: 0.591 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

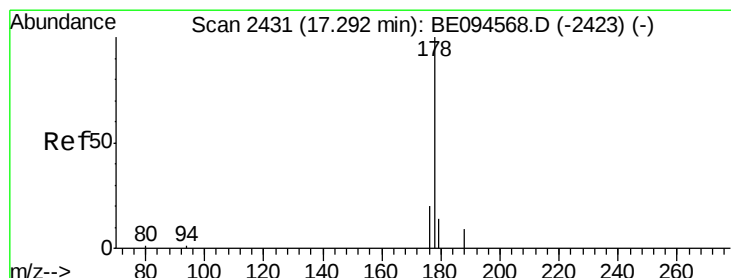
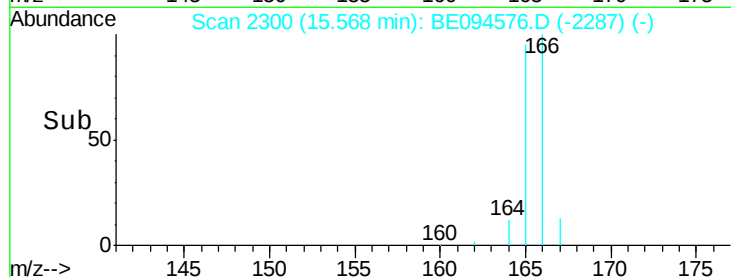
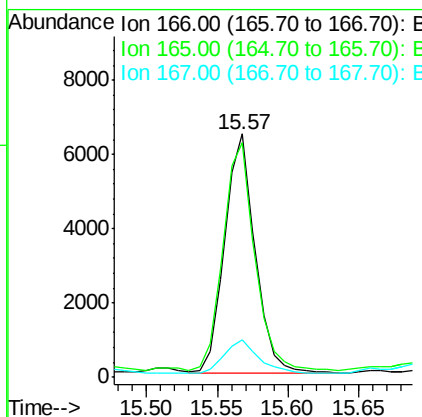
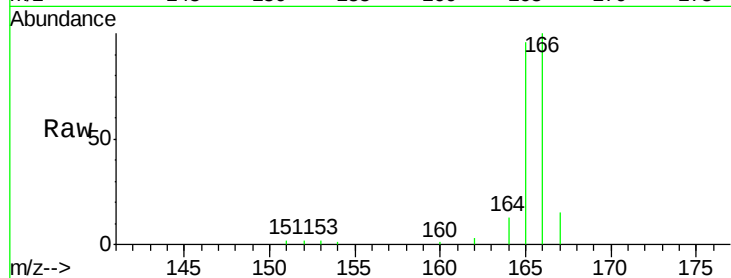
ClientSampleId :

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Tgt Ion:	166	Resp:	9541
Ion	Ratio	Lower	Upper
166	100		
165	96.5	73.4	110.2
167	15.4	14.6	22.0

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#12

Phenanthrene

Concen: 6.141 ng/ul

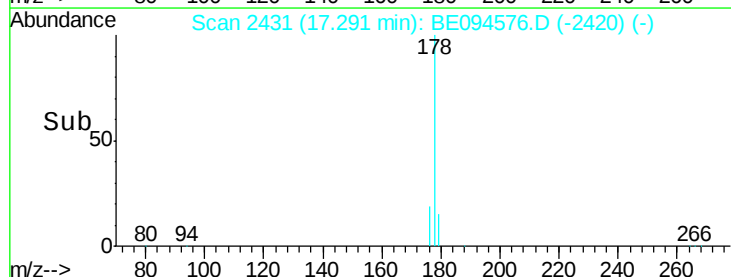
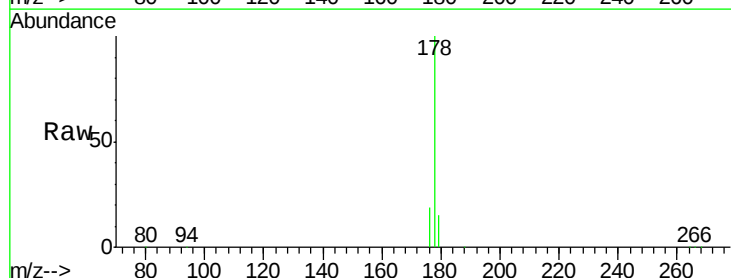
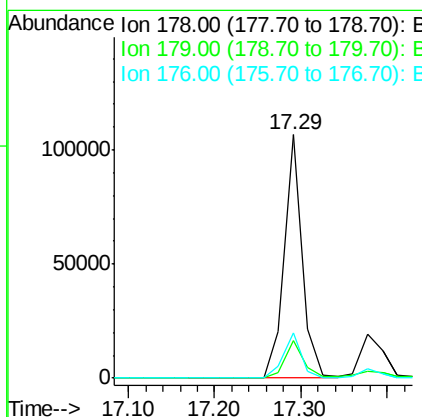
RT: 17.29 min Scan# 2431

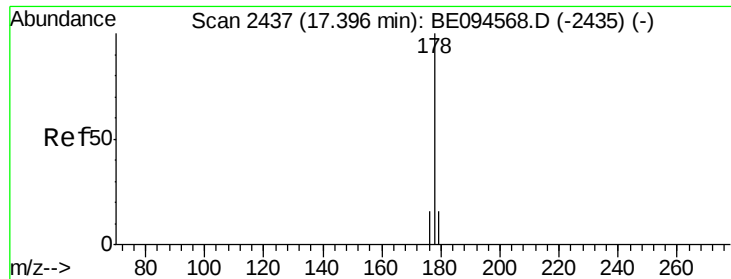
Delta R.T. -0.02 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	178	Resp:	156011
Ion	Ratio	Lower	Upper
178	100		
179	15.2	18.4	27.6#
176	18.7	13.6	20.4





#13

Anthracene

Concen: 1.449 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

ClientSampleId :

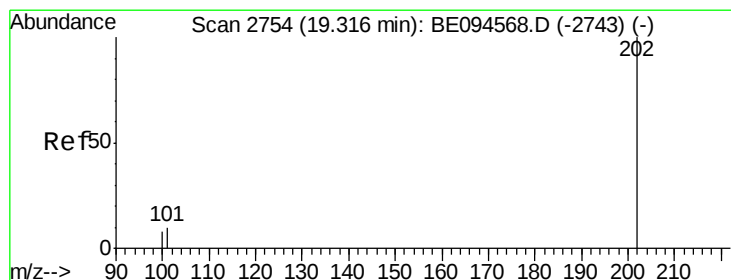
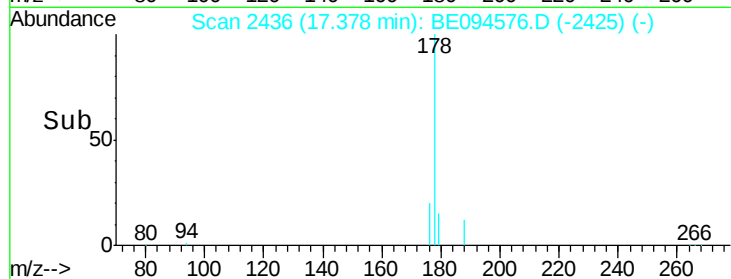
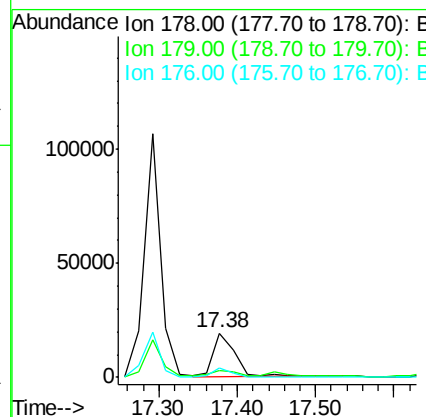
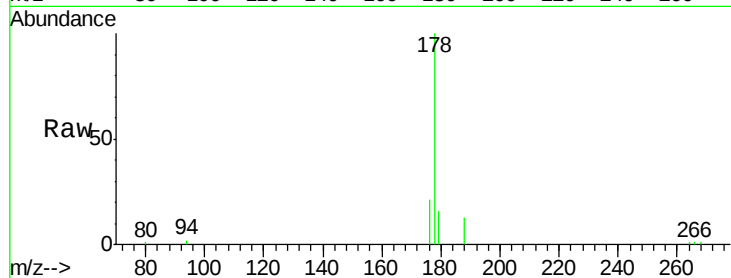
B-37(1-3)-100417

Tgt Ion:178 Resp: 36330

Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.1	27.1#
176	20.7	14.7	22.1

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#15

Fluoranthene

Concen: 10.549 ng/ul

RT: 19.31 min Scan# 2753

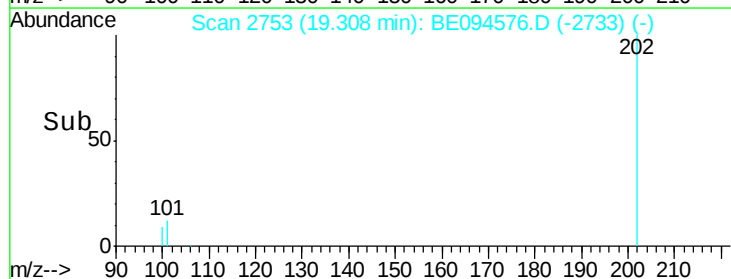
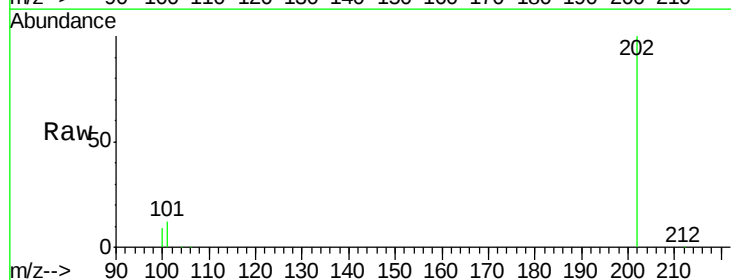
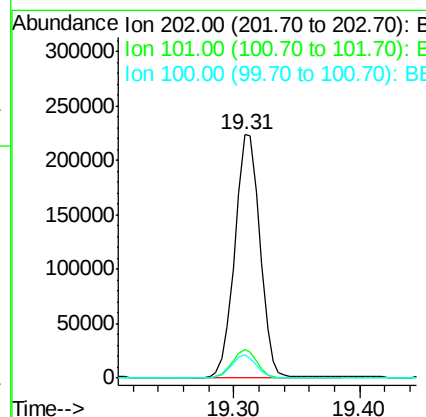
Delta R.T. -0.01 min

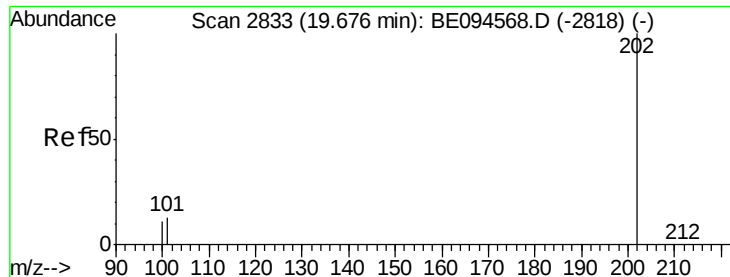
Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:202 Resp: 309833

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	30.3
100	9.4	0.0	39.5





#17

Pyrene

Concen: 9.011 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

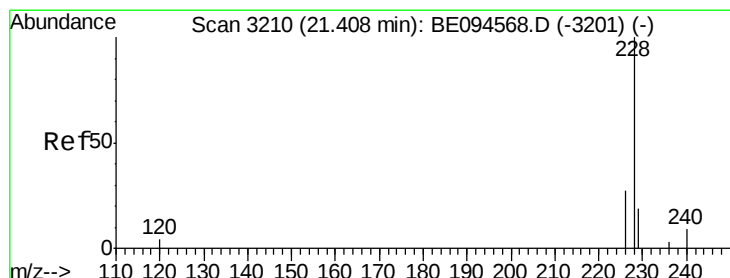
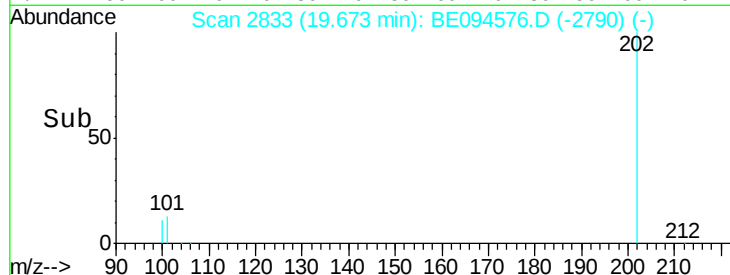
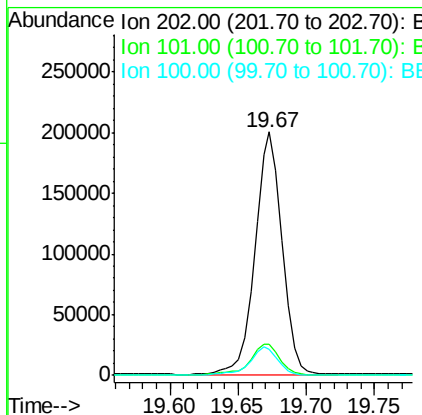
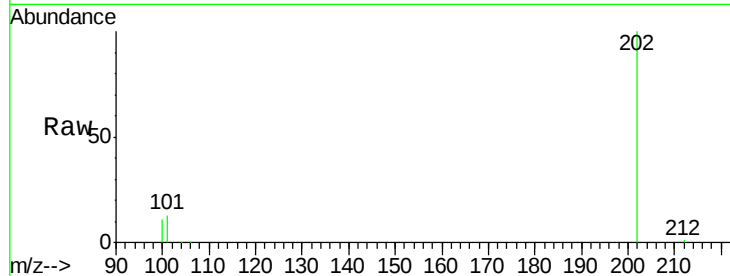
ClientSampleId :

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Tgt Ion:	202	Resp:	274871
Ion Ratio	Lower	Upper	
202	100		
101	12.7	18.2	27.4#
100	10.7	15.6	23.4#

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#18

Benzo(a)anthracene

Concen: 5.313 ng/ul

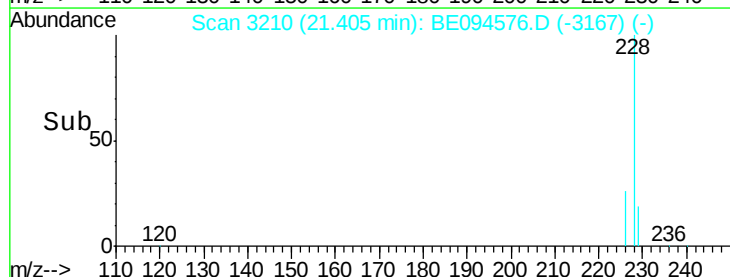
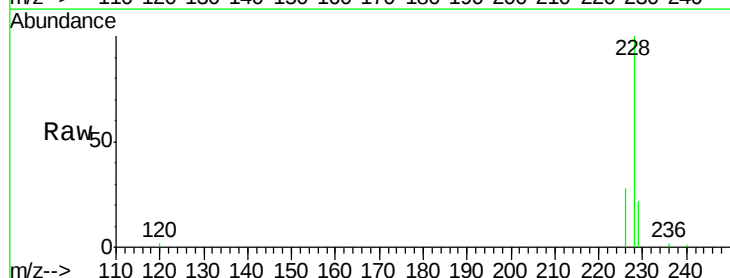
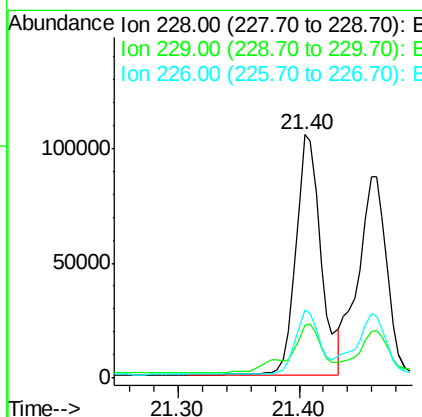
RT: 21.40 min Scan# 3210

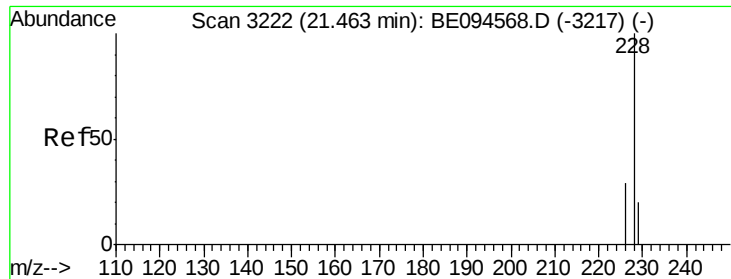
Delta R.T. -0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	228	Resp:	149877
Ion Ratio	Lower	Upper	
228	100		
229	21.6	22.8	34.2#
226	28.1	17.0	25.6#





#19

Chrysene

Concen: 4.918 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

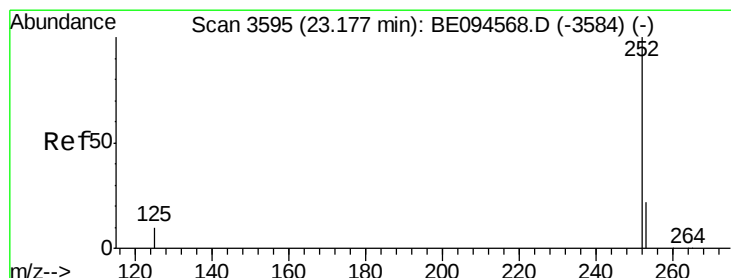
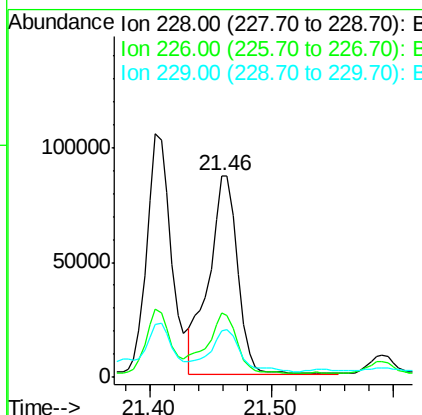
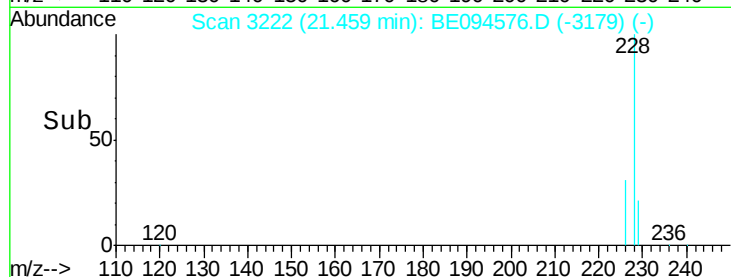
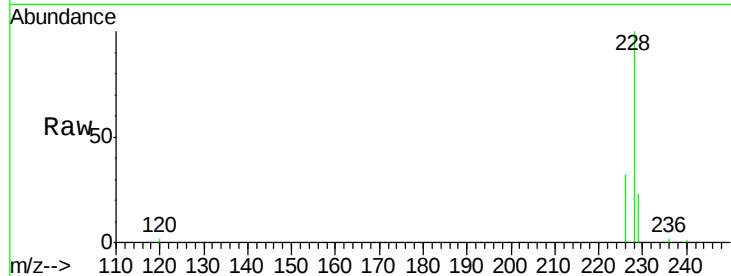
ClientSampleId :

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Tgt Ion:	228	Resp:	143400
Ion Ratio	Lower	Upper	
228	100		
226	31.9	23.4	35.0
229	23.3	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 6.754 ng/ul m

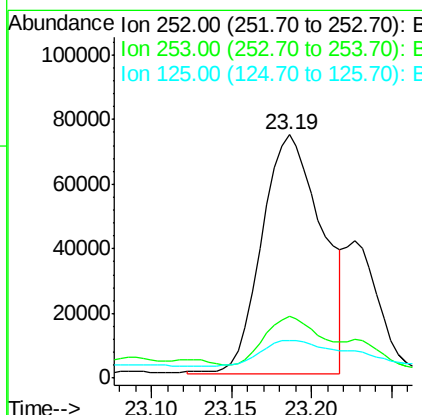
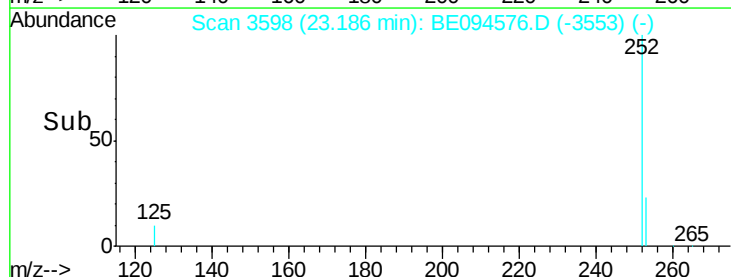
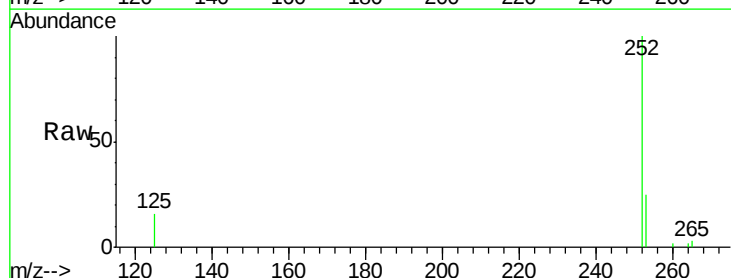
RT: 23.19 min Scan# 3598

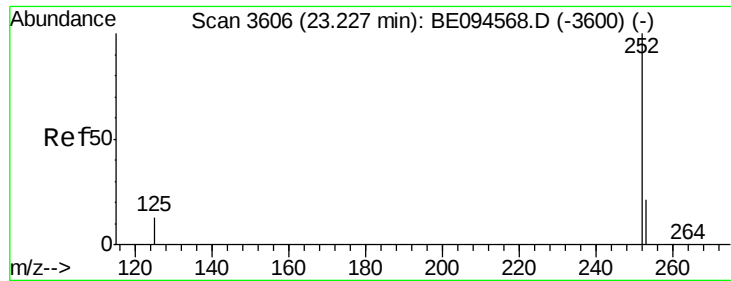
Delta R.T. 0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	252	Resp:	194252
Ion Ratio	Lower	Upper	
252	100		
253	25.5	0.0	64.2
125	15.6	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 1.887 ng/ul m

RT: 23.23 min Scan# 3607

Delta R.T. -0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

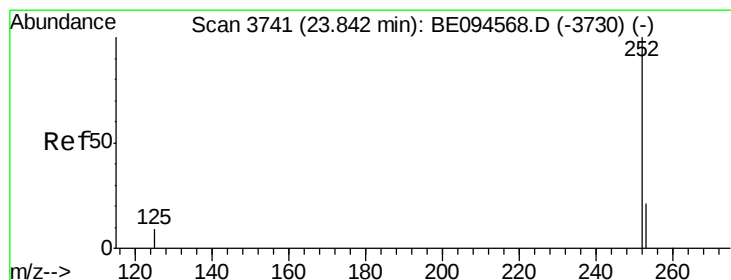
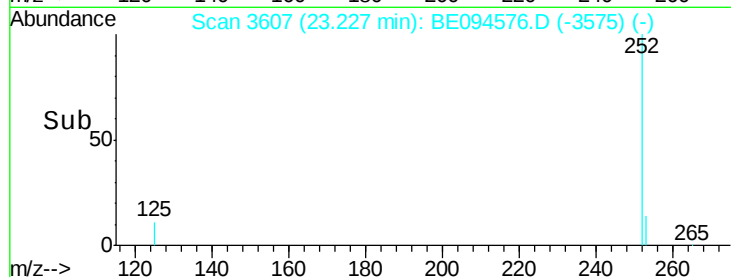
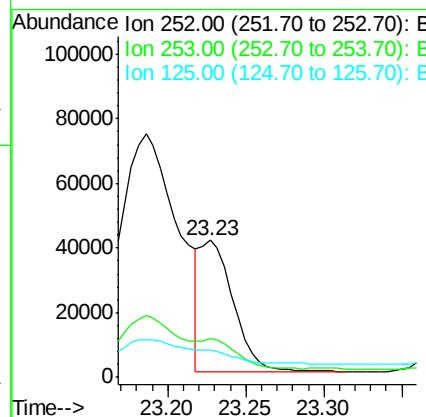
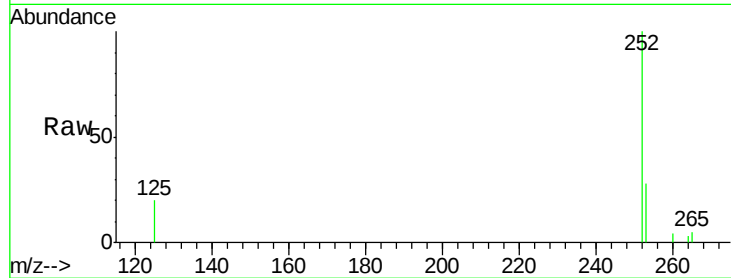
ClientSampleId :

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Tgt Ion:	252	Resp:	58158
Ion Ratio	Lower	Upper	
252	100		
253	28.0	24.5	36.7
125	19.9	13.7	20.5

Manual Integrations
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#23

Benzo(a)pyrene

Concen: 4.526 ng/ul

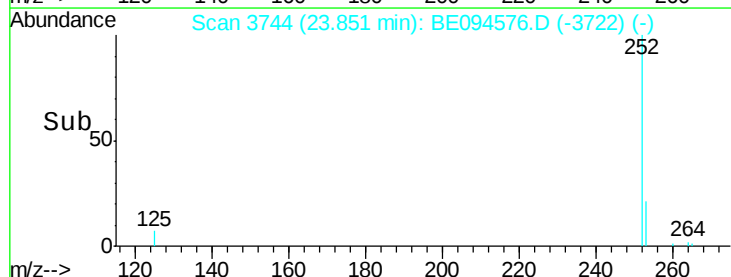
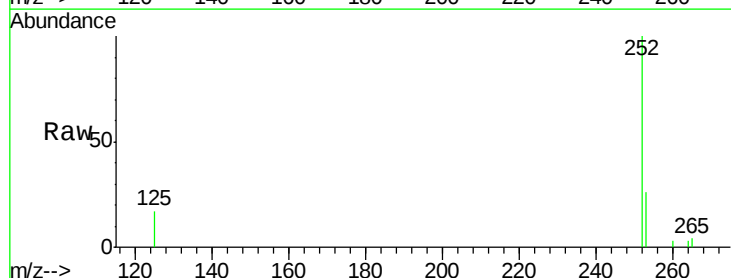
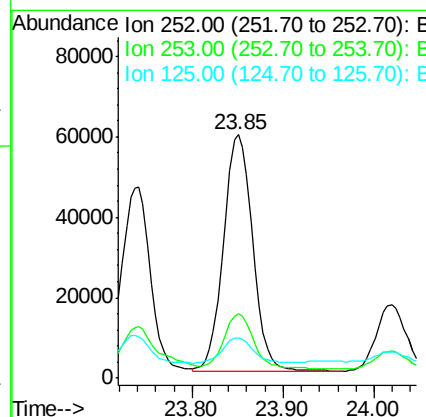
RT: 23.85 min Scan# 3744

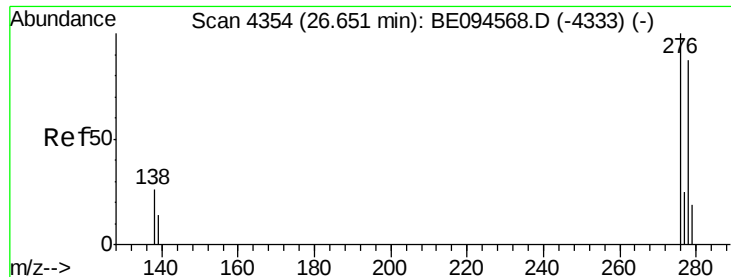
Delta R.T. 0.00 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Tgt Ion:	252	Resp:	130100
Ion Ratio	Lower	Upper	
252	100		
253	26.3	28.5	42.7#
125	16.7	18.1	27.1#





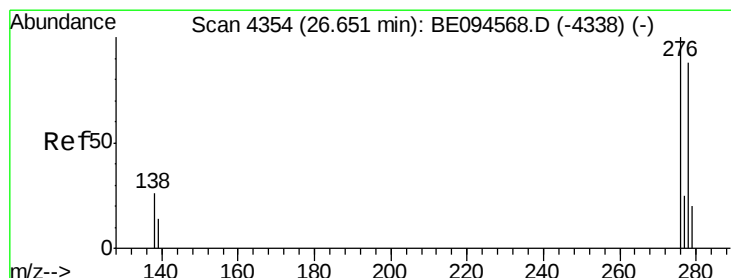
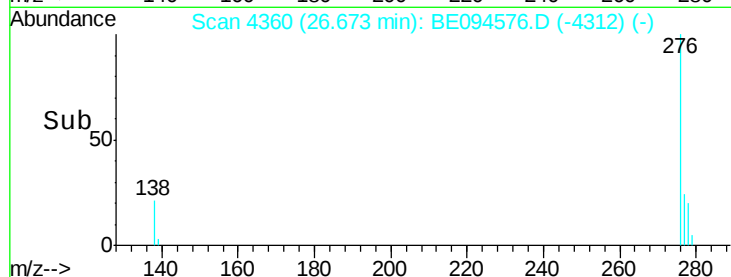
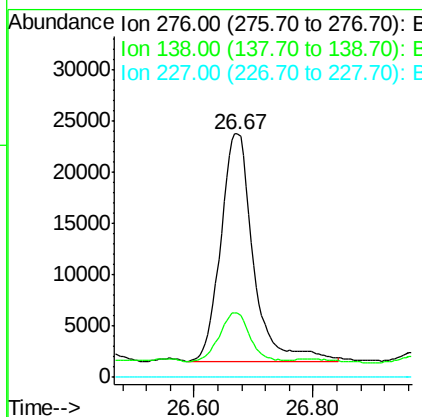
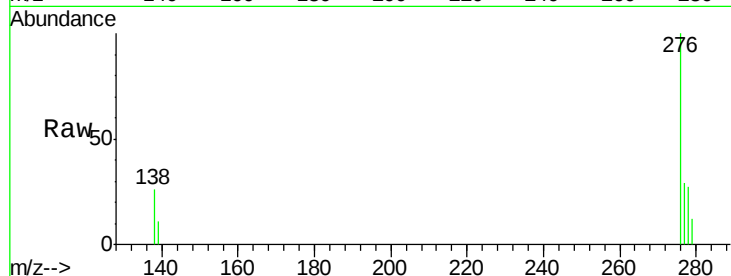
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.830 ng/u1
 RT: 26.67 min Scan# 4360
 Delta R.T. 0.02 min
 Lab File: BE094576.D
 Acq: 26 Oct 2017 23:31

Instrument :
 BNA_E
 ClientSampleId :
 B-37(1-3)-100417

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	28.0	42.0#
227	0.0	8.0	12.0#

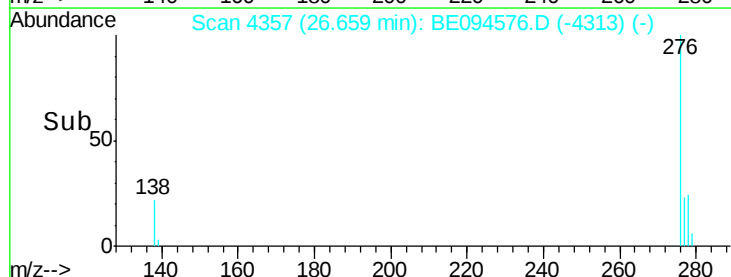
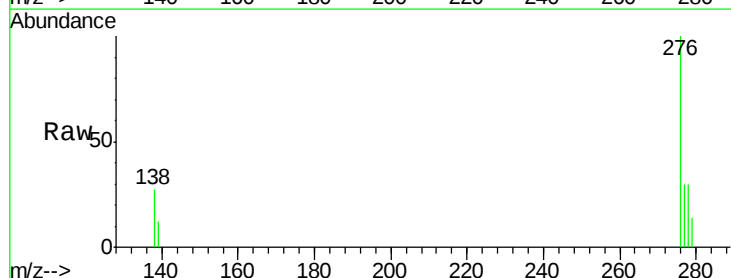
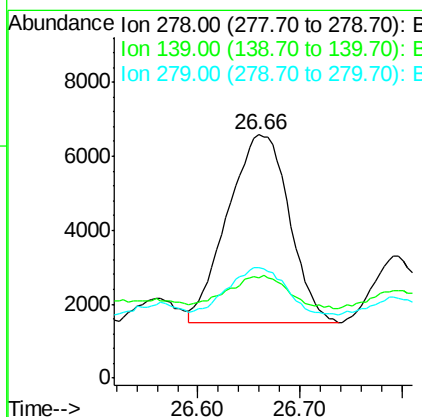
Manual Integrations
 APPROVED

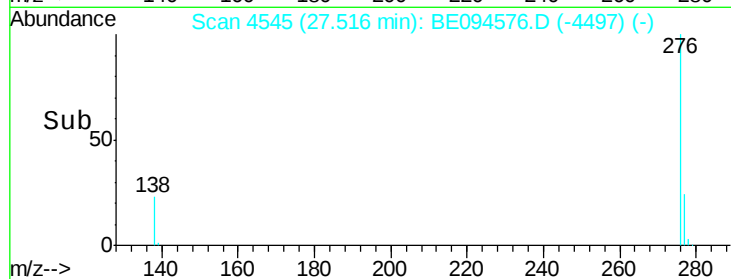
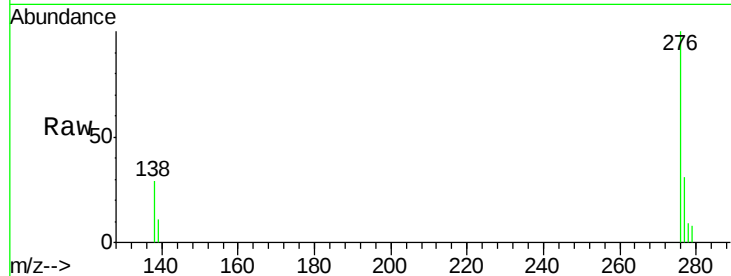
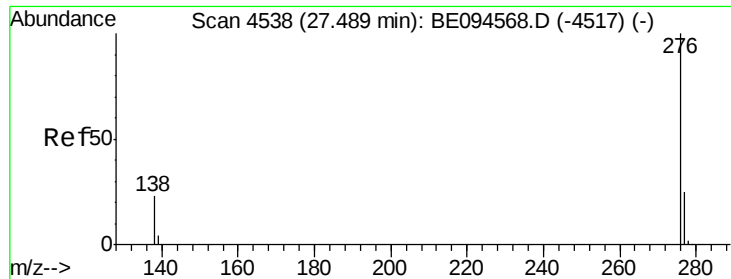
Sohil
 10/27/2017 5:35:45 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.852 ng/u1
 RT: 26.66 min Scan# 4357
 Delta R.T. 0.00 min
 Lab File: BE094576.D
 Acq: 26 Oct 2017 23:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.0	17.4	26.0#
279	45.2	25.9	38.9#





#26

Benzo(g,h,i)perylene

Concen: 3.140 ng/ul

RT: 27.52 min Scan# 4545

Delta R.T. 0.02 min

Lab File: BE094576.D

Acq: 26 Oct 2017 23:31

Instrument :

BNA_E

ClientSampleId :

B-37(1-3)-100417

Tgt Ion:	276	Resp:	74994
Ion Ratio	Lower	Upper	
276	100		
138	28.6	21.8	32.8
277	30.6	20.5	30.7

Manual Integrations
APPROVED

Sohil
10/27/2017 5:35:45 PM

