

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE100717\
 Data File : BE094211.D
 Acq On : 7 Oct 2017 20:22
 Operator : SJ/JU
 Sample : I5449-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-60(5-7)-092617

Manual Integrations
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Quant Time: Oct 08 03:51:07 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 01:38:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1164	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	6492	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	4018	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.24	188	8106	0.40	ng/ul	-0.03
16) Chrysene-d12	21.41	240	7920	0.40	ng/ul	0.00
20) Perylene-d12	23.92	264	7947m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1970	0.20	ng/ul	-0.02
14) Fluoranthene-d10	19.27	212	4868	0.18	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.74	128	17117	1.08	ng/ul#	91
5) 2-Methylnaphthalene	12.34	142	6507	0.63	ng/ul	98
7) Acenaphthylene	14.24	152	5963	0.38	ng/ul	95
8) Acenaphthene	14.57	153	4907	0.38	ng/ul	98
9) Fluorene	15.56	166	6694	0.44	ng/ul	92
12) Phenanthrene	17.29	178	180500	8.52	ng/ul#	92
13) Anthracene	17.38	178	41305	2.00	ng/ul#	92
15) Fluoranthene	19.30	202	348516	12.52	ng/ul	83
17) Pyrene	19.66	202	332990	15.11	ng/ul#	80
18) Benzo(a)anthracene	21.39	228	194867	9.27	ng/ul#	86
19) Chrysene	21.45	228	193624	7.98	ng/ul	98
21) Benzo(b)fluoranthene	23.15	252	248985m	11.53	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	78827m	3.16	ng/ul	
23) Benzo(a)pyrene	23.81	252	177552m	7.91	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.58	276	128093m	5.58	ng/ul	
25) Dibenzo(a,h)anthracene	26.58	278	35145m	1.83	ng/ul	
26) Benzo(g,h,i)perylene	27.40	276	116792m	5.90	ng/ul	

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

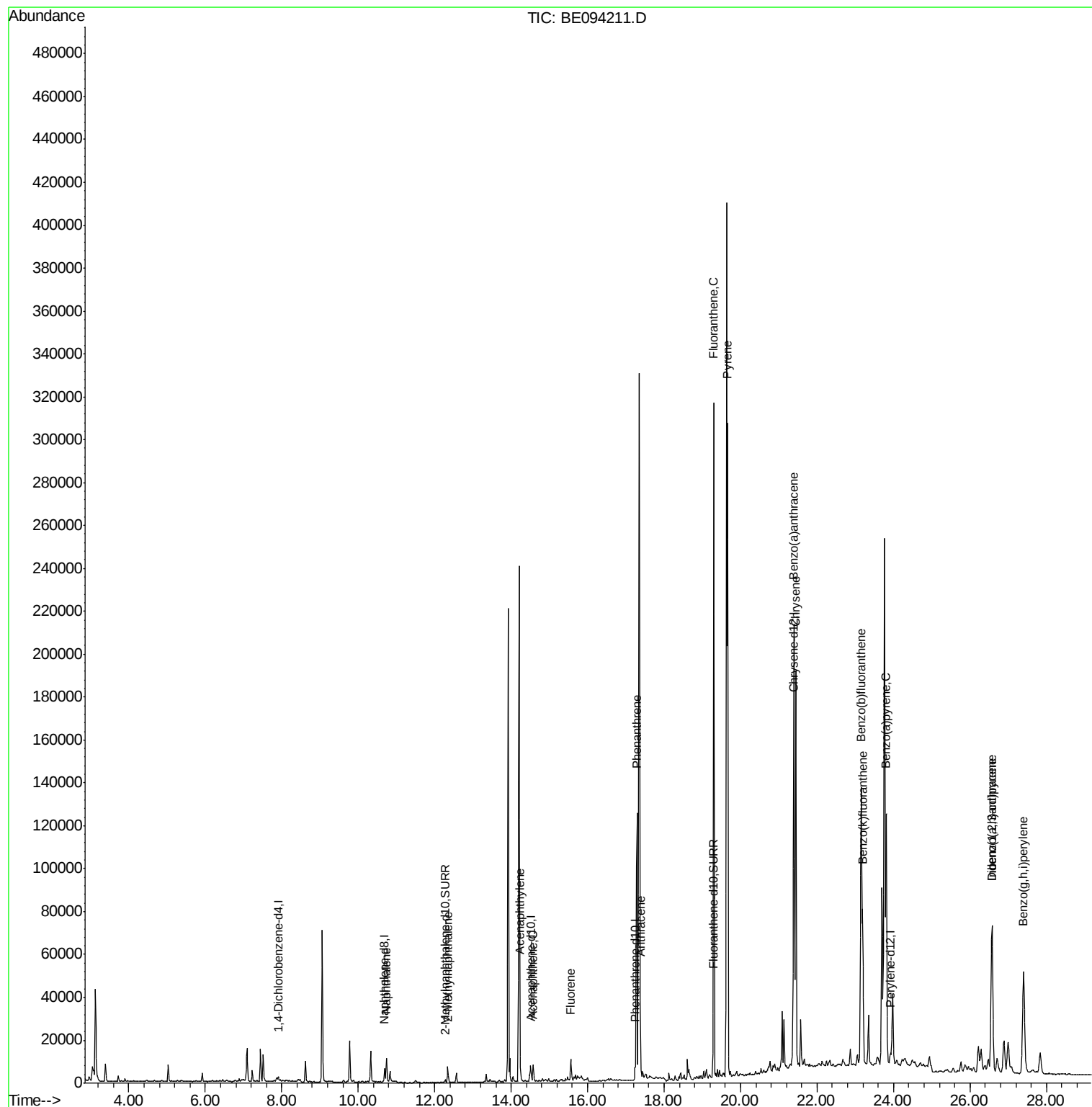
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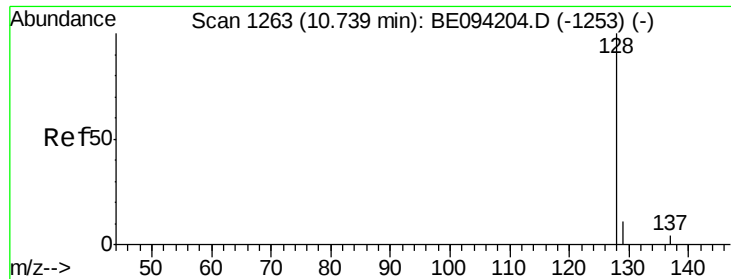
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#3

Naphthalene

Concen: 1.08 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

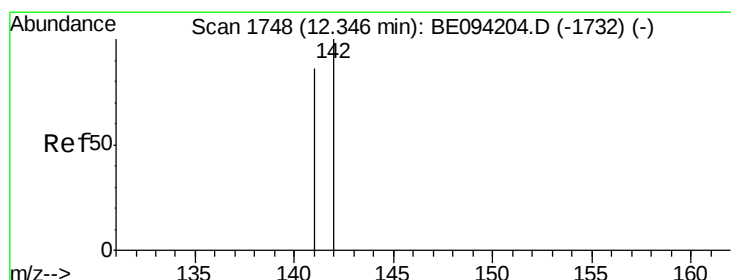
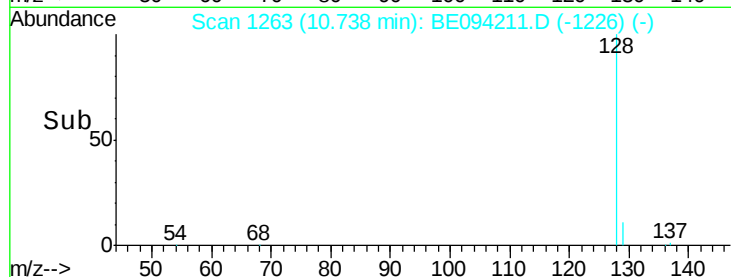
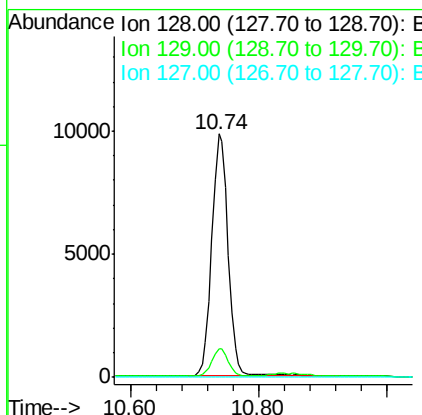
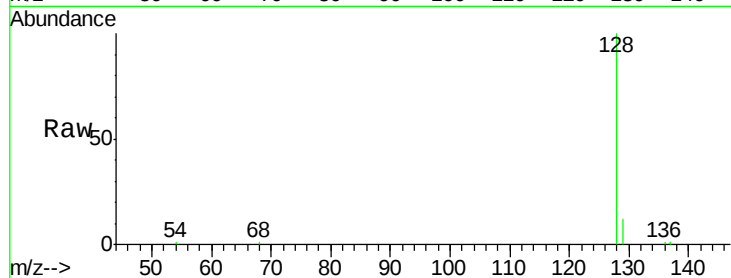
ClientSampleId :

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Tgt Ion:	128	Resp:	17117
Ion Ratio	Lower	Upper	
128	100		
129	11.6	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.63 ng/ul

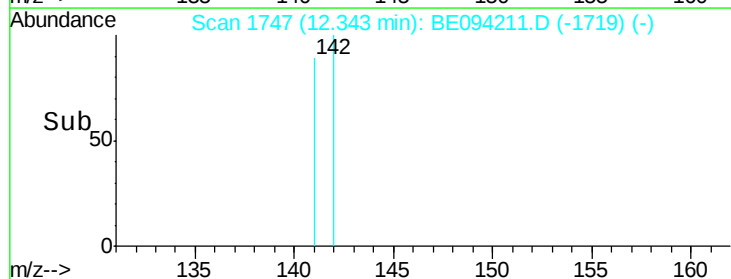
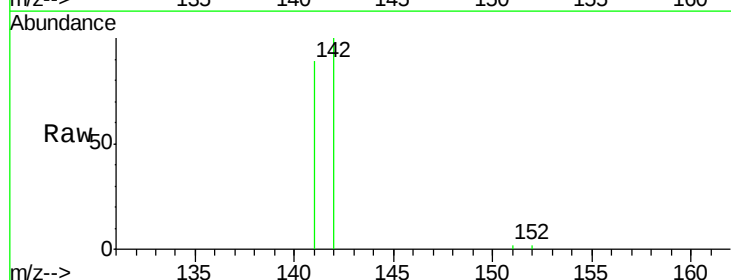
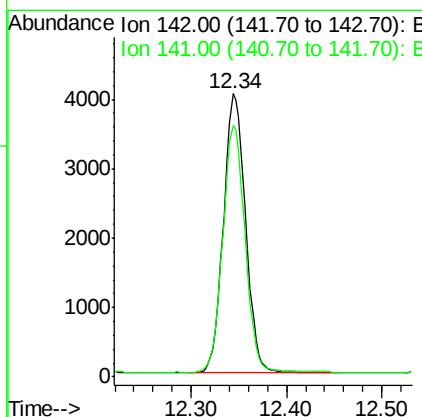
RT: 12.34 min Scan# 1747

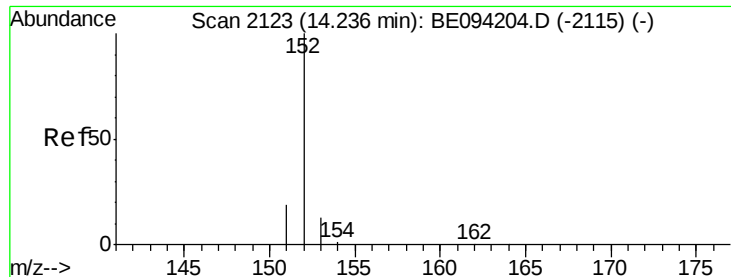
Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Tgt Ion:	142	Resp:	6507
Ion Ratio	Lower	Upper	
142	100		
141	88.6	72.6	108.8





#7

Acenaphthylene

Concen: 0.38 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

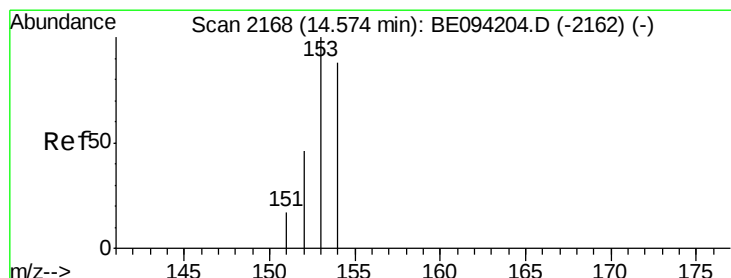
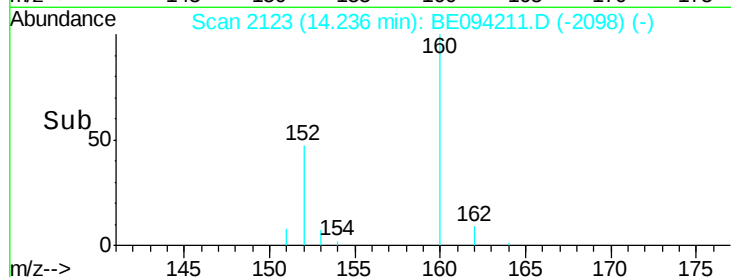
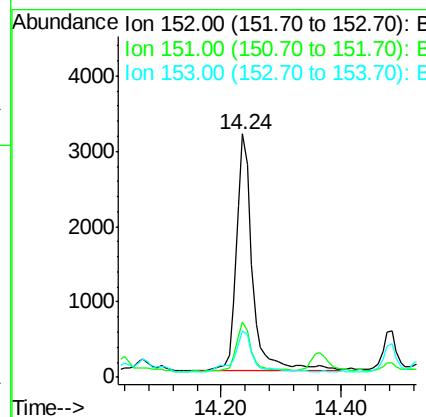
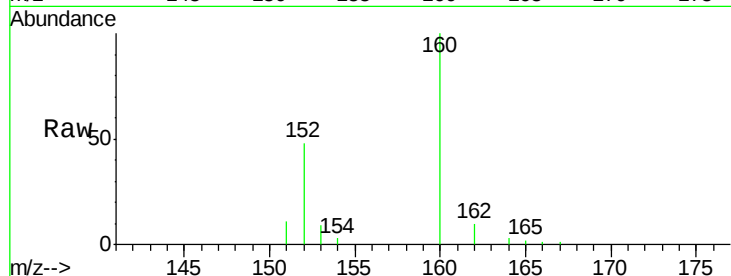
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Tgt Ion:	152	Resp:	5963
Ion Ratio	Lower	Upper	
152	100		
151	22.7	17.1	25.7
153	19.2	12.8	19.2

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#8

Acenaphthene

Concen: 0.38 ng/ul

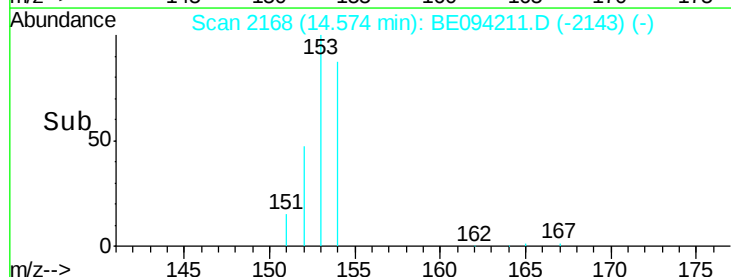
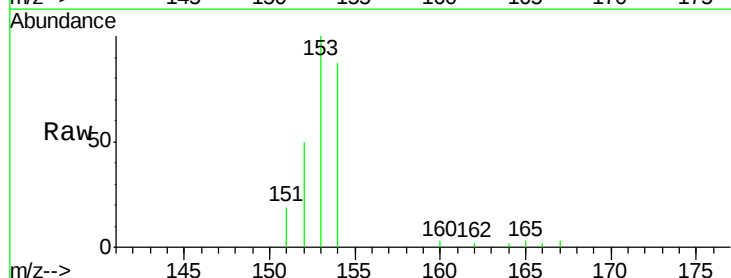
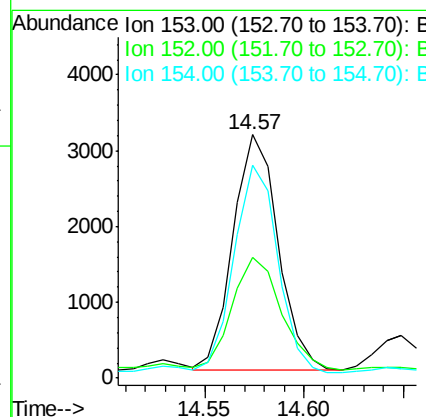
RT: 14.57 min Scan# 2168

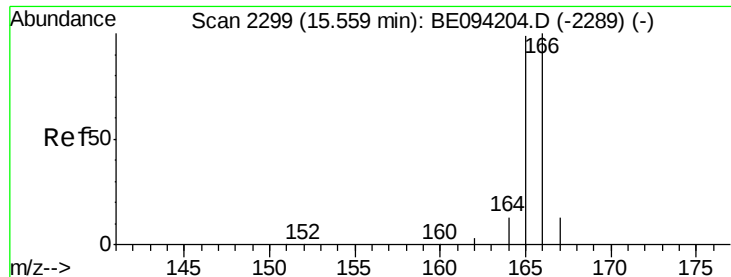
Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Tgt Ion:	153	Resp:	4907
Ion Ratio	Lower	Upper	
153	100		
152	49.6	40.3	60.5
154	87.4	71.4	107.2





#9

Fluorene

Concen: 0.44 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. -0.02 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

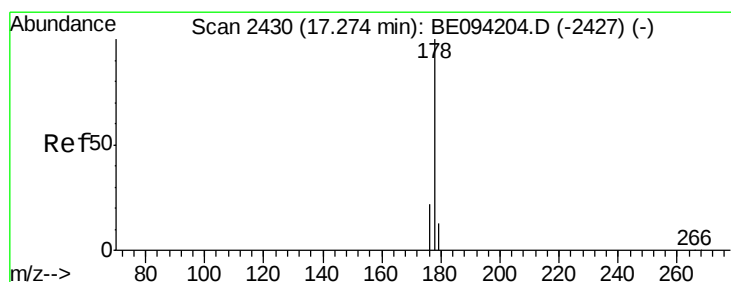
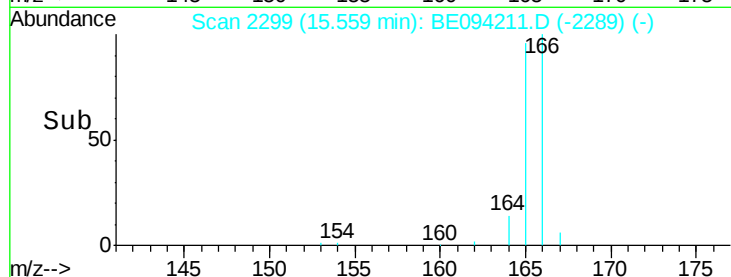
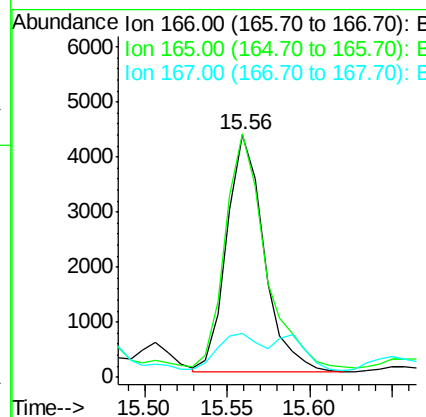
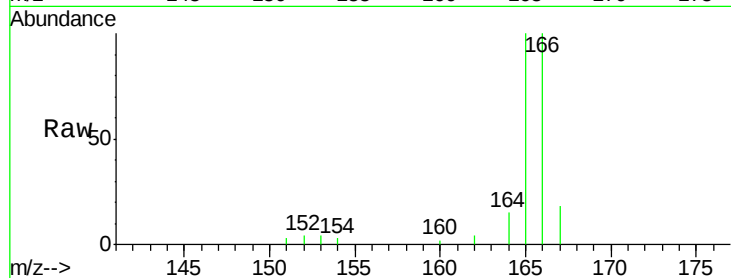
ClientSampleId :

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Tgt Ion:	166	Resp:	6694
Ion Ratio	Lower	Upper	
166	100		
165	100.5	73.4	110.2
167	18.3	14.6	22.0

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#12

Phenanthrene

Concen: 8.52 ng/ul

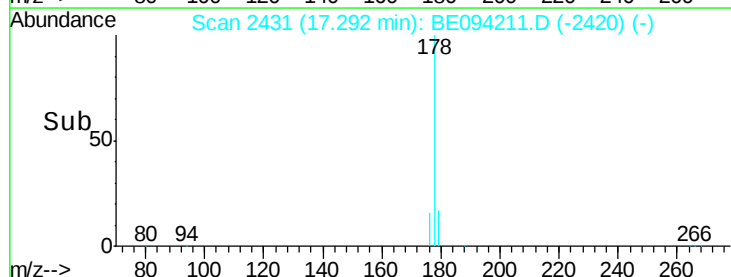
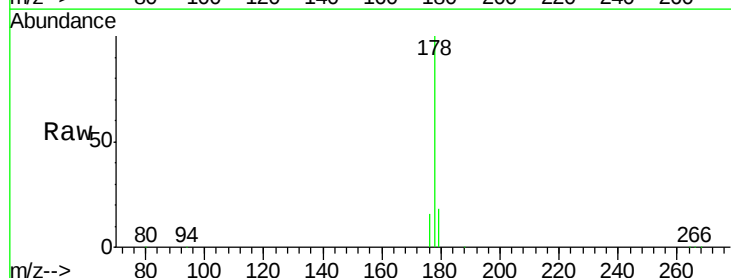
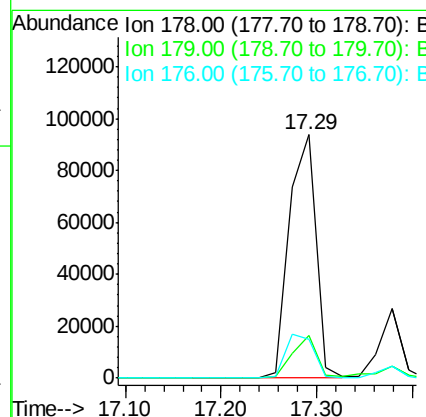
RT: 17.29 min Scan# 2431

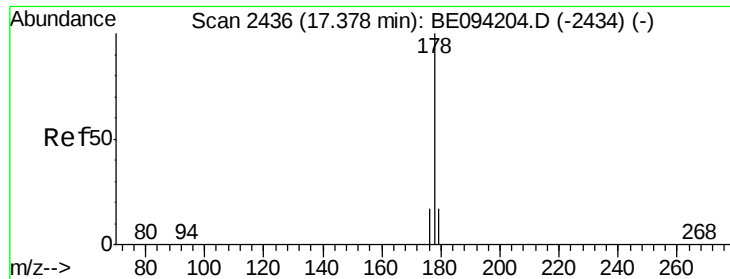
Delta R.T. -0.02 min

Lab File: BE094211.D

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Tgt Ion:	178	Resp:	180500
Ion Ratio	Lower	Upper	
178	100		
179	17.6	18.4	27.6#
176	15.7	13.6	20.4





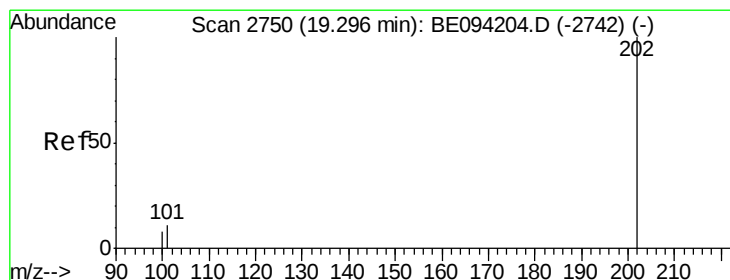
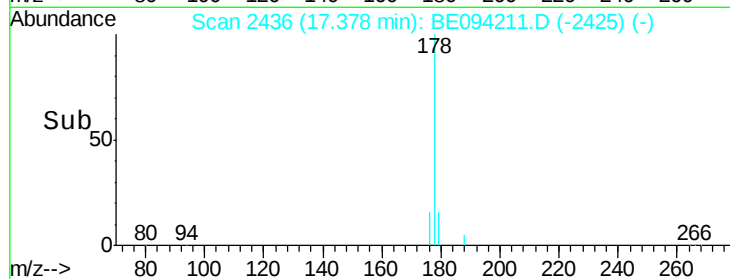
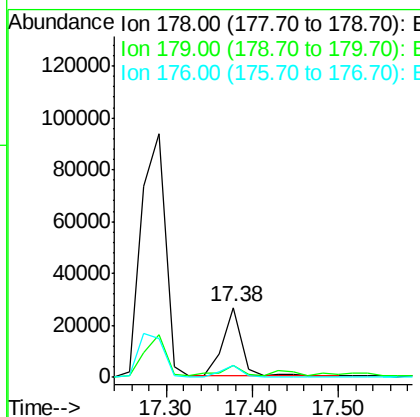
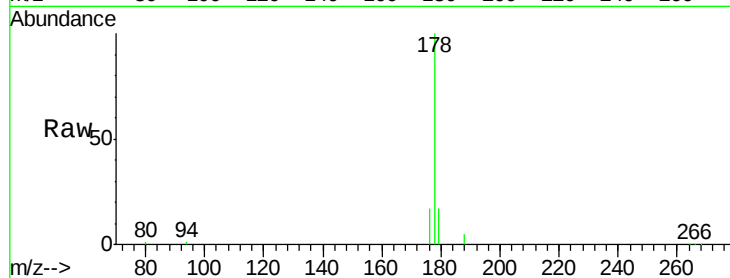
#13
 Anthracene
 Concen: 2.00 ng/ul
 RT: 17.38 min Scan# 2436
 Delta R.T. -0.02 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Instrument :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.2	18.1	27.1#
176	16.9	14.7	22.1

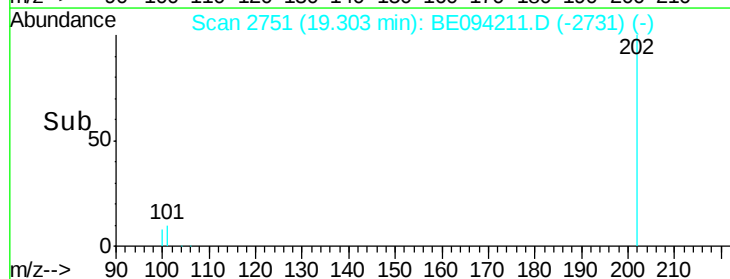
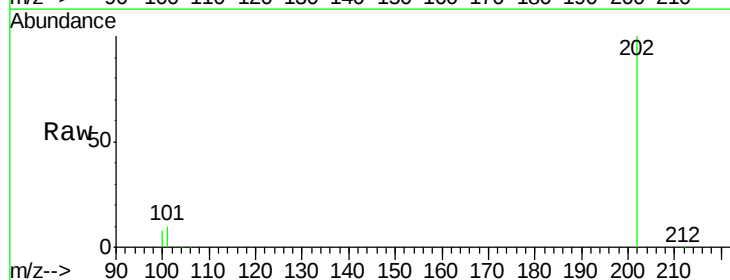
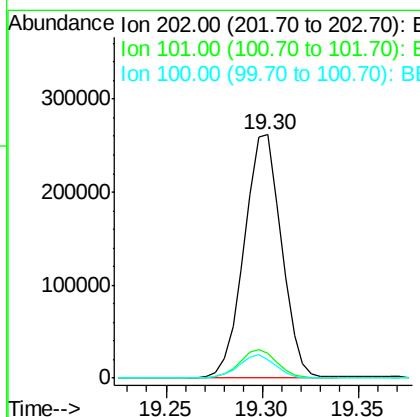
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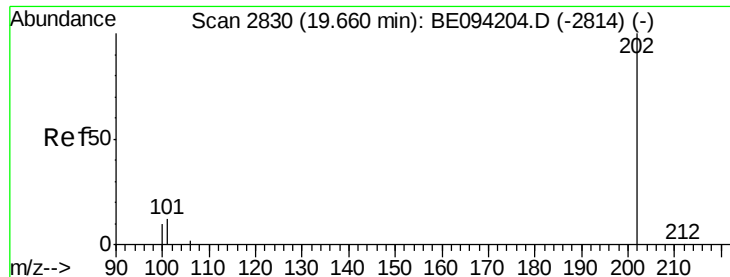
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#15
 Fluoranthene
 Concen: 12.52 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. -0.01 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
100	7.7	0.0	39.5





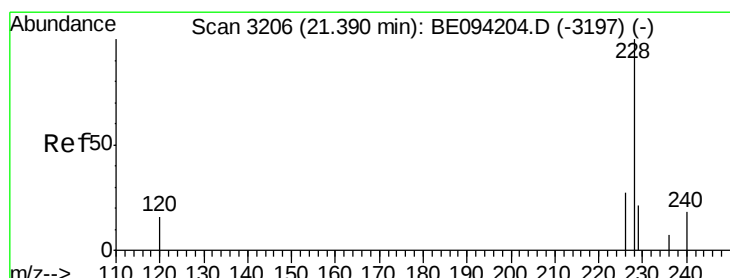
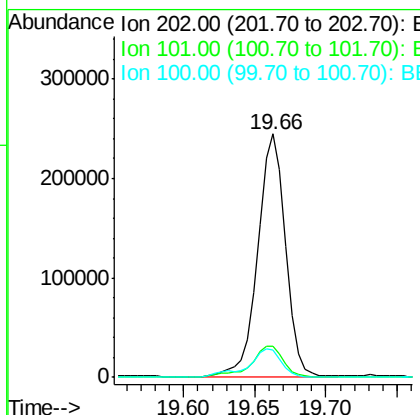
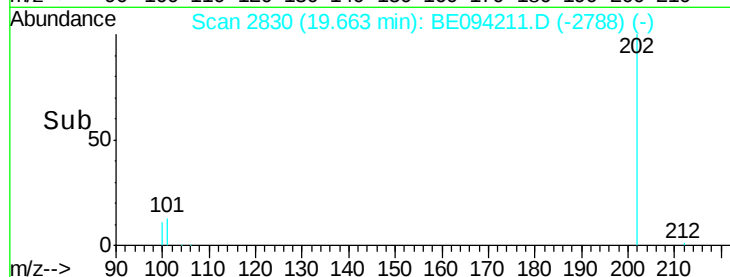
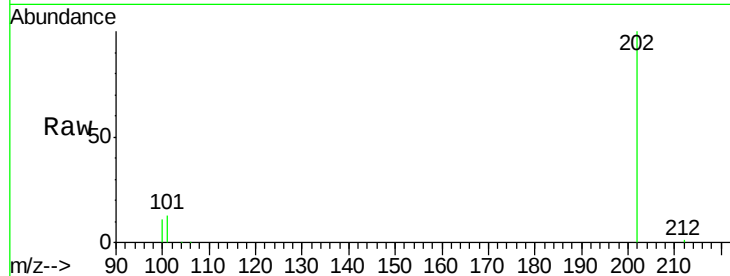
#17
Pyrene
 Concen: 15.11 ng/ul
 RT: 19.66 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Instrument :
 BNA_E
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	18.2	27.4#
100	11.0	15.6	23.4#

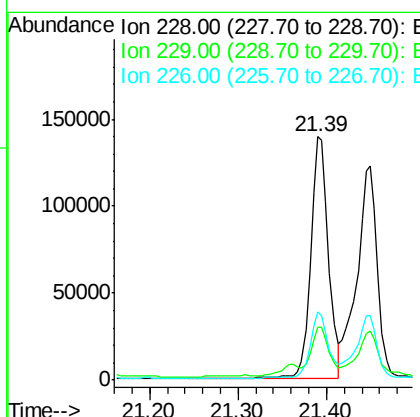
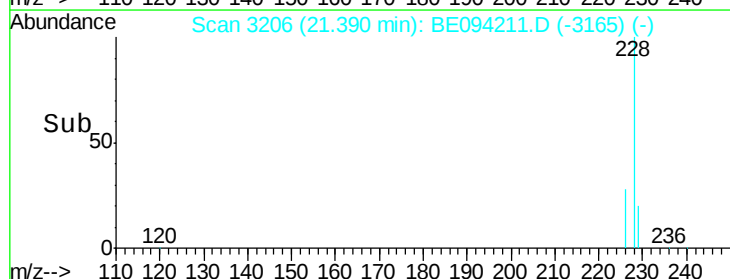
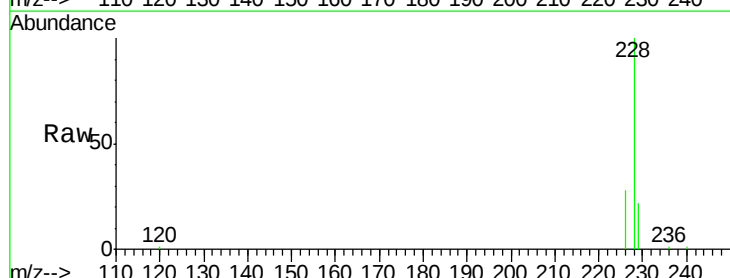
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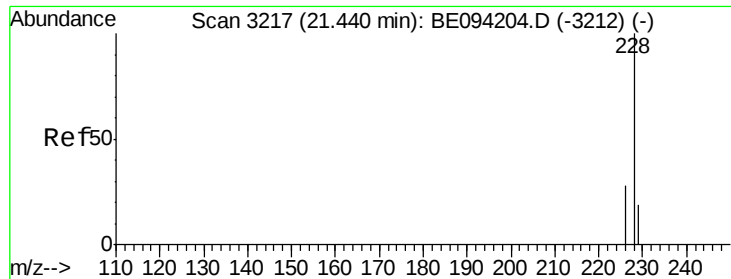
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#18
Benzo(a)anthracene
 Concen: 9.27 ng/ul
 RT: 21.39 min Scan# 3206
 Delta R.T. -0.01 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.7	22.8	34.2#
226	28.3	17.0	25.6#





#19

Chrysene

Concen: 7.98 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

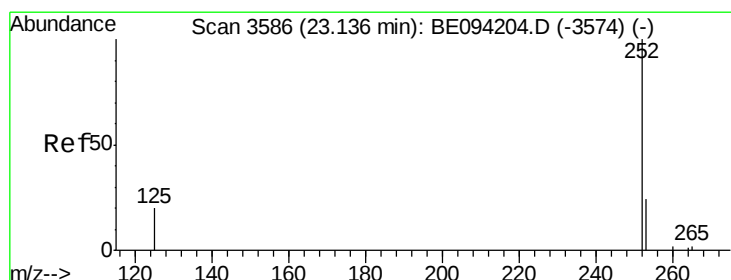
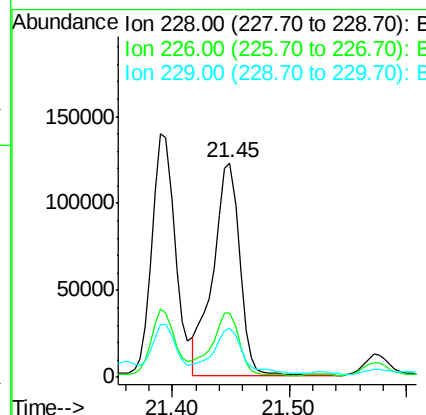
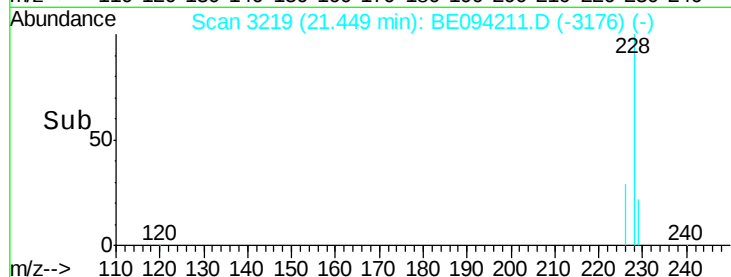
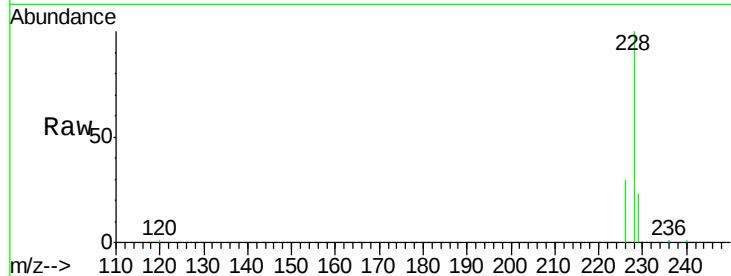
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Tgt Ion:	228	Resp:	193624
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.4	35.0
229	23.0	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 11.53 ng/ul m

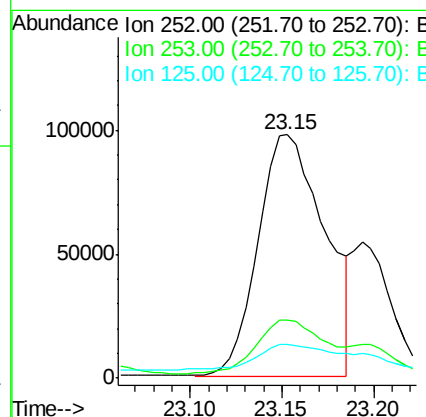
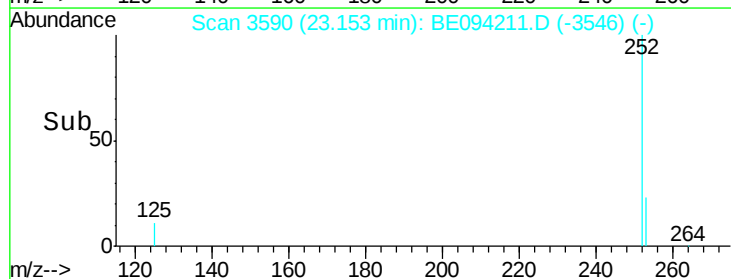
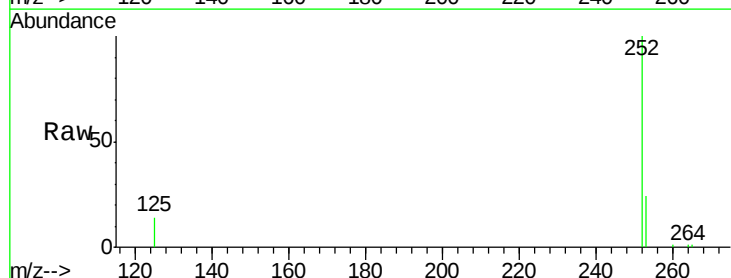
RT: 23.15 min Scan# 3590

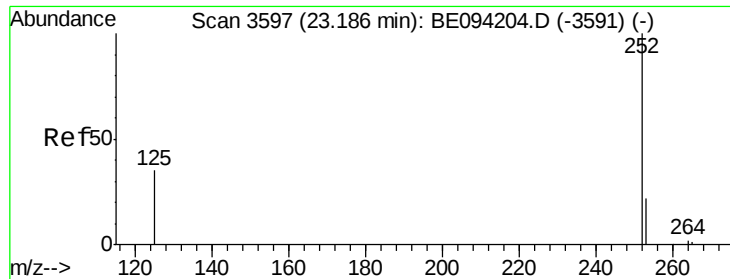
Delta R.T. -0.00 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Tgt Ion:	252	Resp:	248985
Ion Ratio	Lower	Upper	
252	100		
253	24.0	0.0	64.2
125	13.8	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 3.16 ng/ul m

RT: 23.19 min Scan# 3599

Delta R.T. -0.01 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

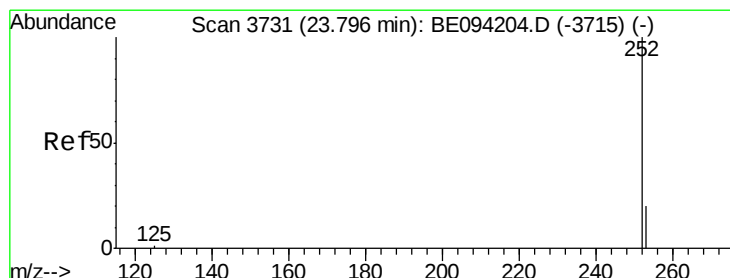
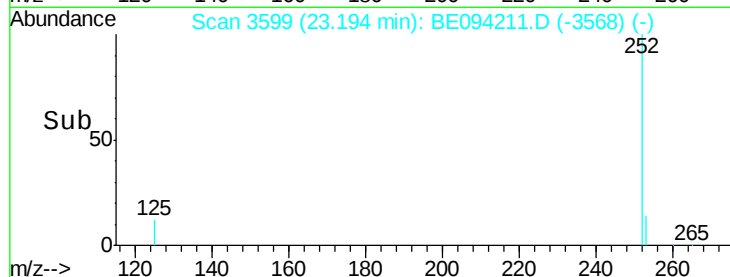
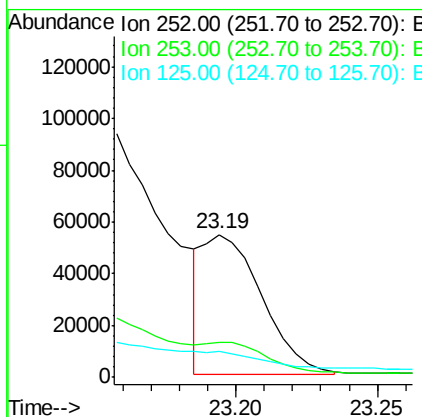
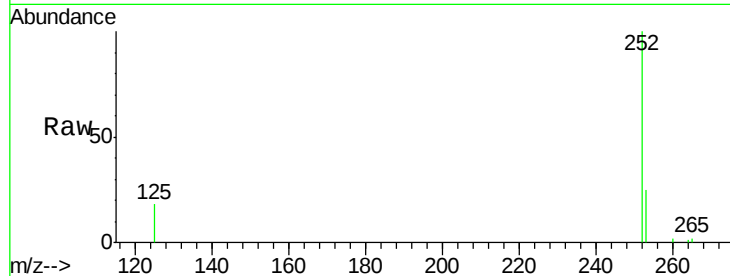
ClientSampleId :

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Tgt Ion:	252	Resp:	78827
Ion Ratio	Lower	Upper	
252	100		
253	24.6	24.5	36.7
125	17.9	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 7.91 ng/ul m

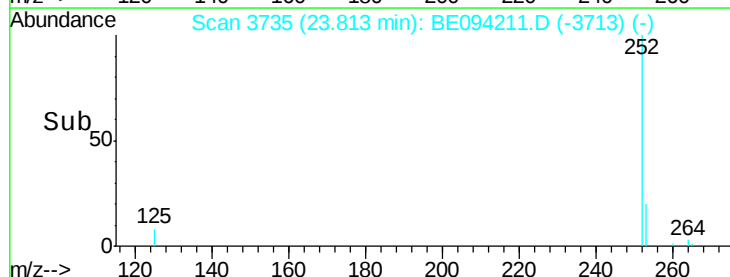
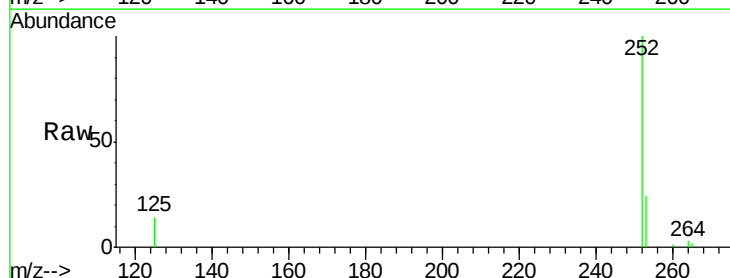
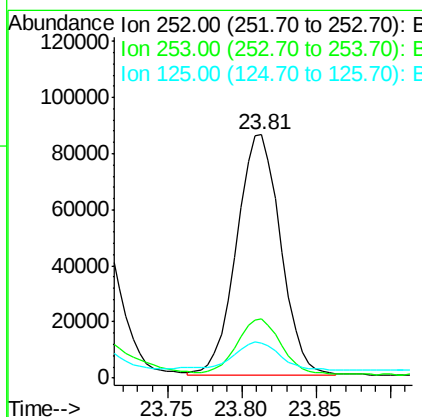
RT: 23.81 min Scan# 3735

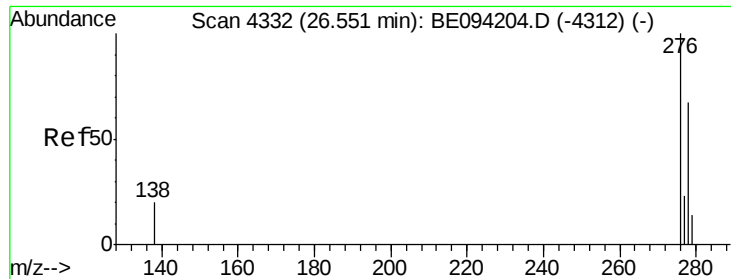
Delta R.T. -0.00 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Tgt Ion:	252	Resp:	177552
Ion Ratio	Lower	Upper	
252	100		
253	24.2	28.5	42.7#
125	14.4	18.1	27.1#





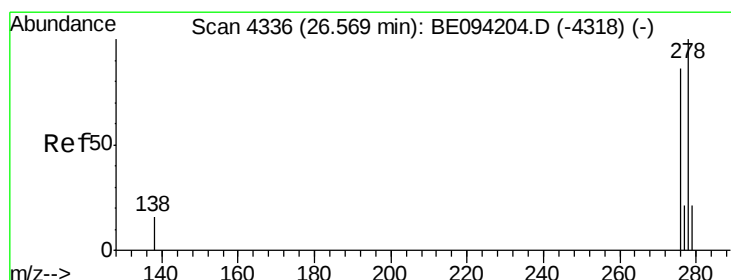
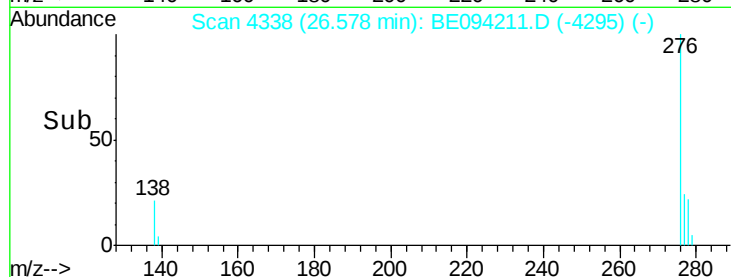
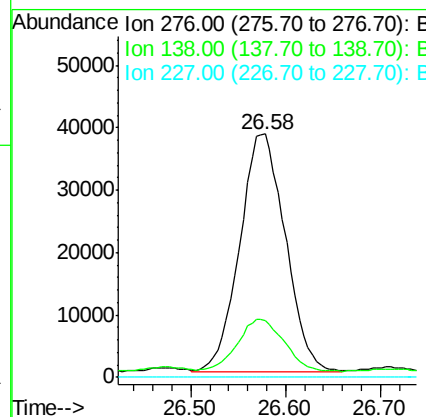
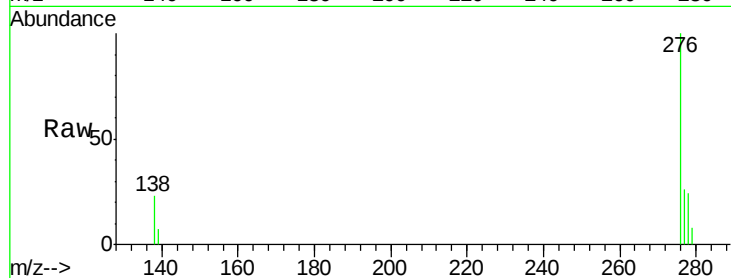
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 5.58 ng/ul m
 RT: 26.58 min Scan# 4338
 Delta R.T. -0.00 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Instrument :
 BNA_E
 ClientSampleId :
 B-60(5-7)-092617

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	0.6	28.0	42.0#
227	0.0	8.0	12.0#

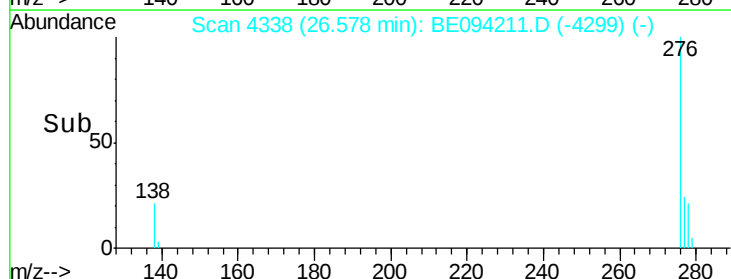
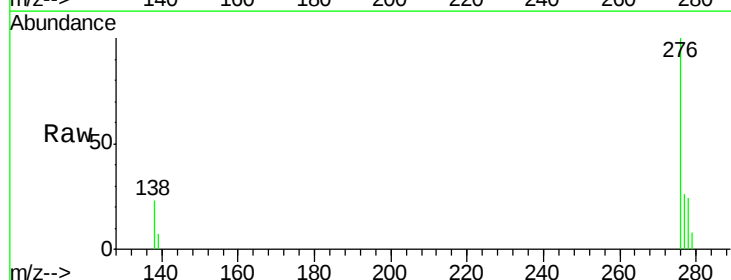
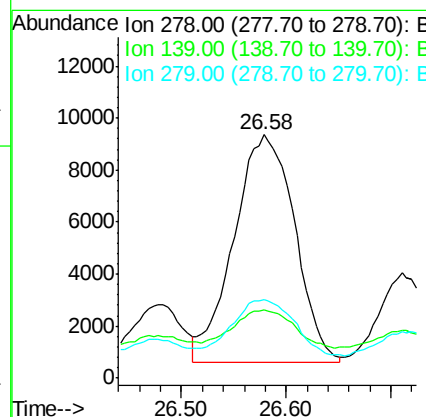
Manual Integrations
 APPROVED

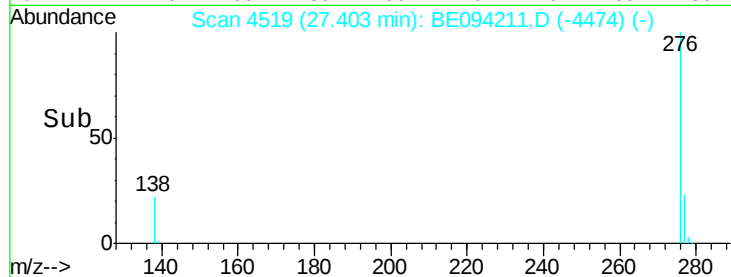
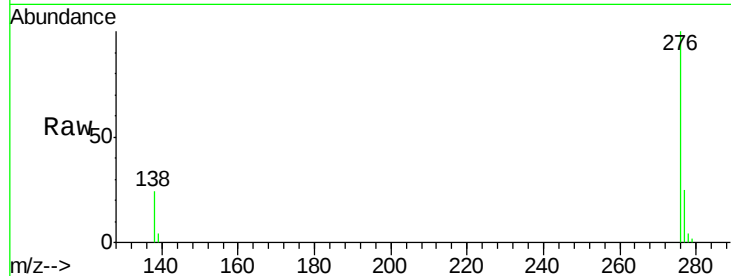
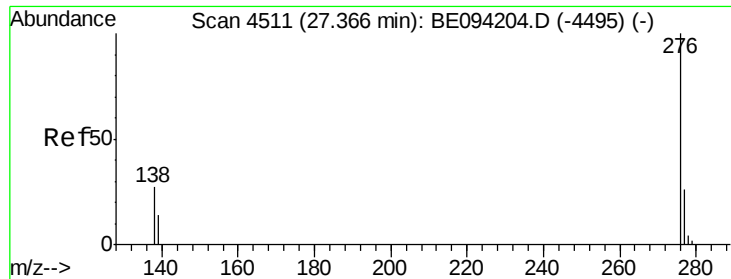
Sohil
 10/9/2017 6:53:09 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.83 ng/ul m
 RT: 26.58 min Scan# 4338
 Delta R.T. -0.02 min
 Lab File: BE094211.D
 Acq: 7 Oct 2017 20:22

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	27.9	17.4	26.0#
279	32.4	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 5.90 ng/ul m

RT: 27.40 min Scan# 4519

Delta R.T. 0.00 min

Lab File: BE094211.D

Acq: 7 Oct 2017 20:22

Instrument :

BNA_E

ClientSampleId :

B-60(5-7)-092617

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	24.1	21.8	32.8	
277	25.2	20.5	30.7	

Manual Integrations
APPROVED

Sohil
10/9/2017 6:53:09 PM

