

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
 Data File : BE094216.D
 Acq On : 9 Oct 2017 10:33
 Operator : SJ/JU
 Sample : I5449-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-41(0-1)-092617

Manual Integrations
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 10/10/2017 4:56:26 PM

Quant Time: Oct 10 09:01:59 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 08:50:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1484	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	7763	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	5322	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.24	188	9562	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	14604	0.40	ng/ul	0.01
20) Perylene-d12	23.95	264	10631m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	2322	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	5294	0.17	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.74	128	46286	2.434	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	18307	1.484	ng/ul	98
7) Acenaphthylene	14.24	152	42950	2.070	ng/ul	97
8) Acenaphthene	14.57	153	33638	1.969	ng/ul	97
9) Fluorene	15.56	166	35446	1.772	ng/ul	94
11) Pentachlorophenol	16.94	266	674	0.601	ng/ul	96
12) Phenanthrene	17.29	178	824634	33.002	ng/ul#	92
13) Anthracene	17.38	178	226910	9.337	ng/ul#	92
15) Fluoranthene	19.31	202	2171399	66.136	ng/ul	84
17) Pyrene	19.67	202	2053543	50.538	ng/ul#	79
18) Benzo(a)anthracene	21.40	228	1405769	36.285	ng/ul#	86
19) Chrysene	21.46	228	1302471	29.111	ng/ul	98
21) Benzo(b)fluoranthene	23.19	252	1755942	60.803	ng/ul	86
22) Benzo(k)fluoranthene	23.21	252	810118m	24.269	ng/ul	
23) Benzo(a)pyrene	23.85	252	1307562m	43.572	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.65	276	882262m	28.740	ng/ul	
25) Dibenzo(a,h)anthracene	26.65	278	238327m	9.256	ng/ul	
26) Benzo(g,h,i)perylene	27.49	276	748693m	28.275	ng/ul	

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

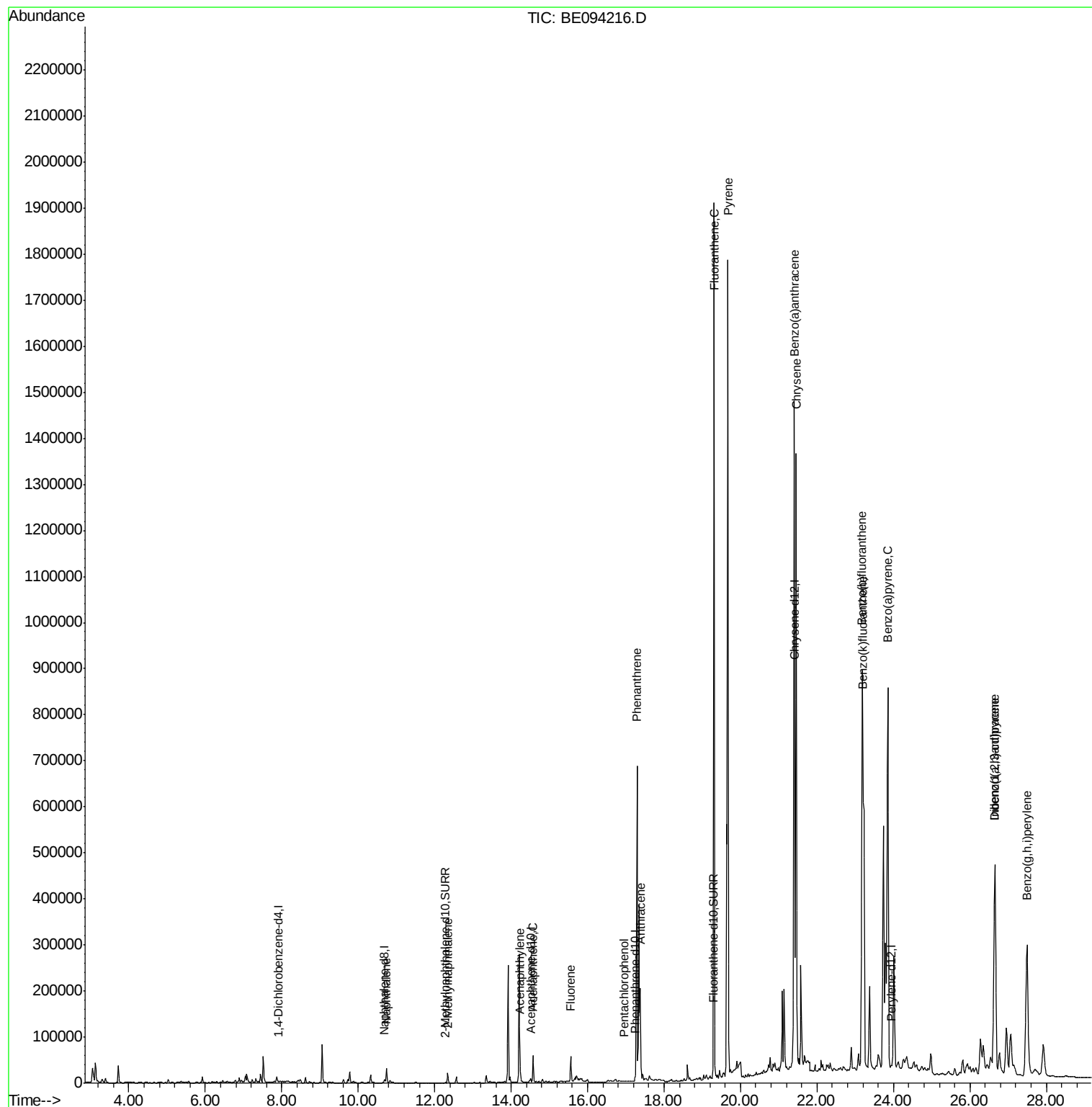
Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
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ALS Vial : 3 Sample Multiplier: 1

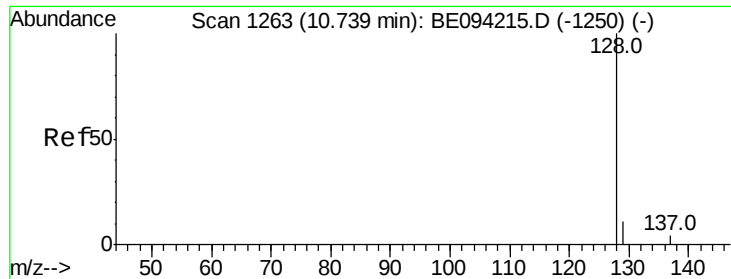
Instrument :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
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#3

Naphthalene

Concen: 2.434 ng/ul

RT: 10.74 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Instrument :

BNA_E

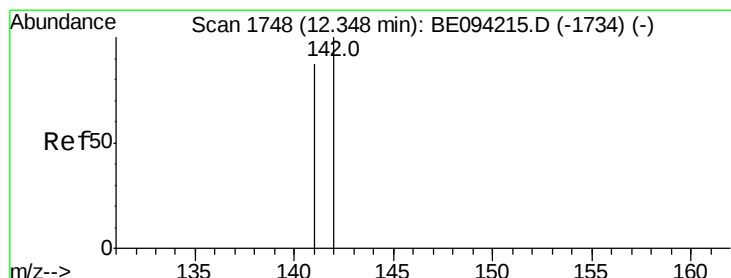
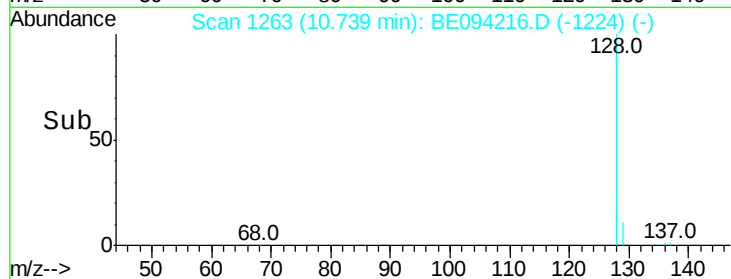
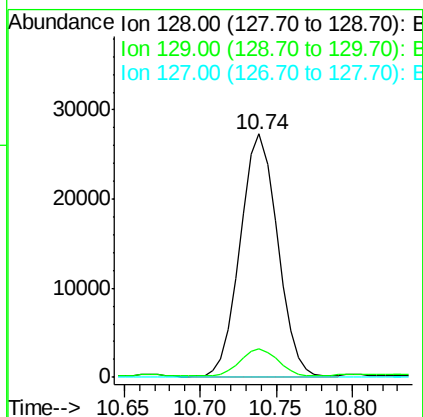
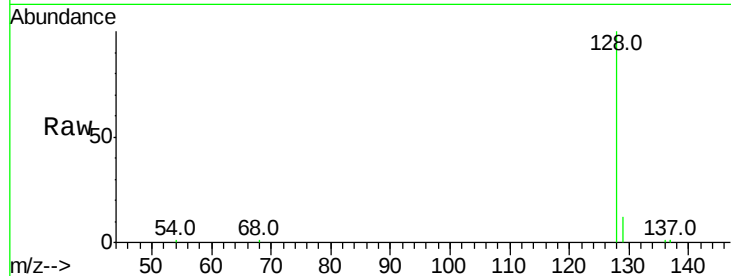
ClientSampleId :

B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 1.484 ng/ul

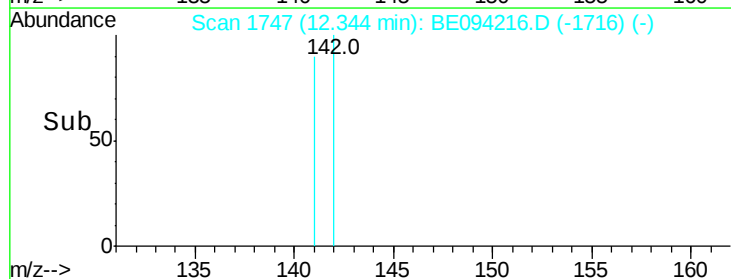
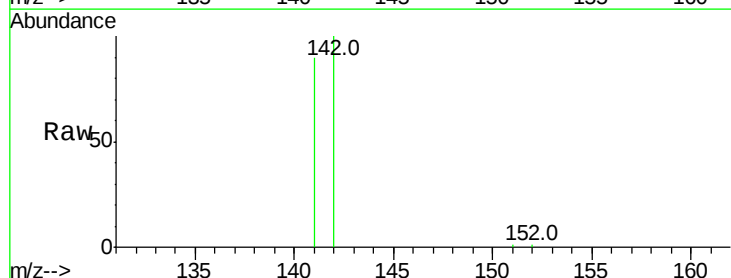
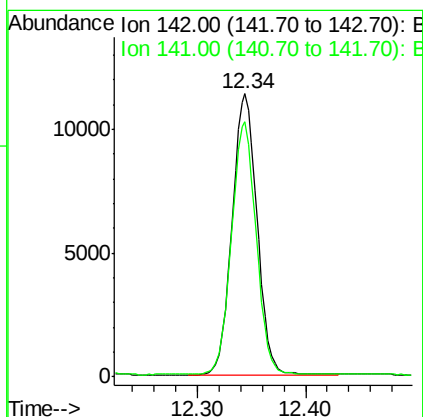
RT: 12.34 min Scan# 1747

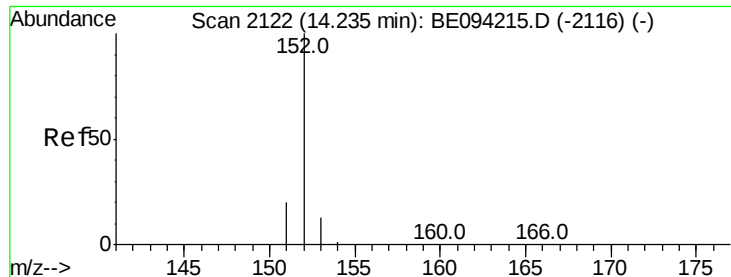
Delta R.T. -0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.6	108.8





#7

Acenaphthylene

Concen: 2.070 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Instrument :

BNA_E

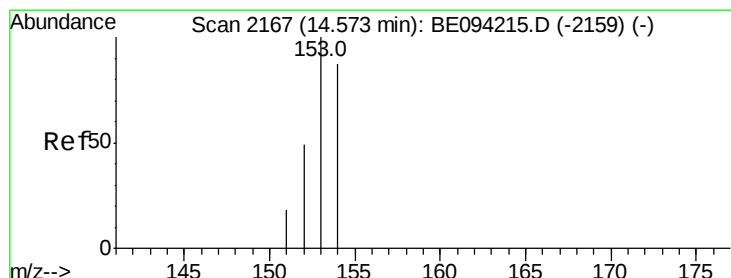
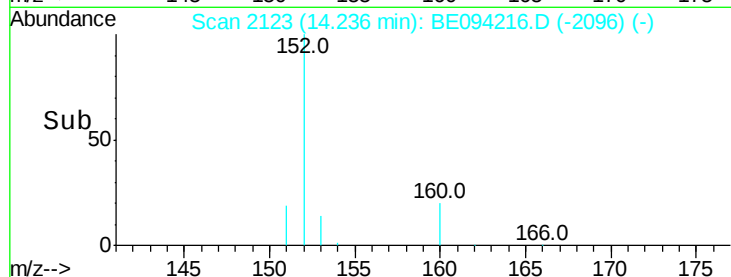
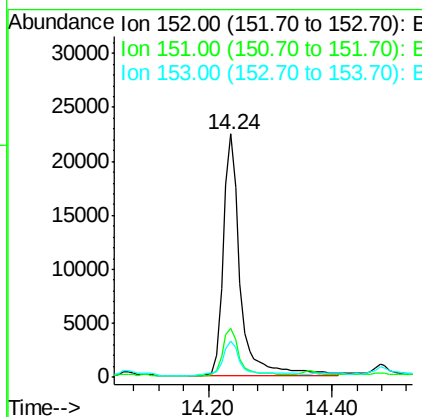
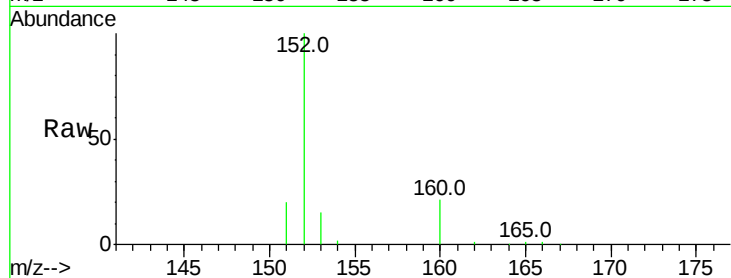
ClientSampleId :

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Tot Ion:	152	Resp:	42950
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.1	25.7
153	14.9	12.8	19.2

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#8

Acenaphthene

Concen: 1.969 ng/ul

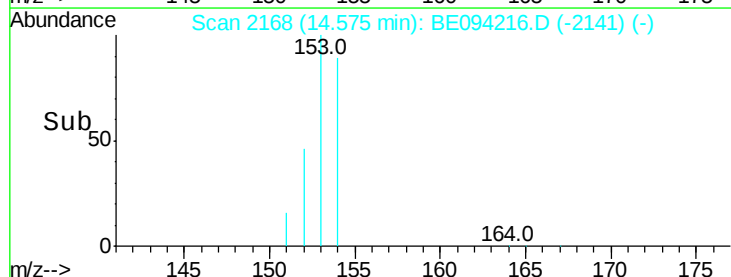
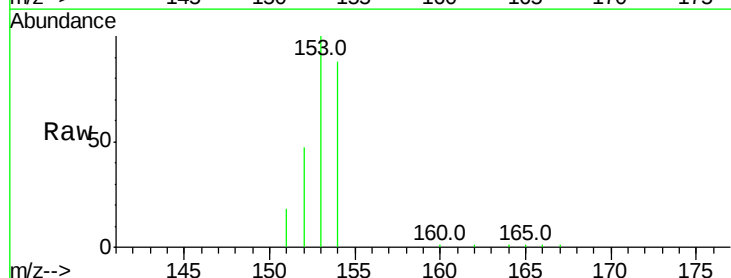
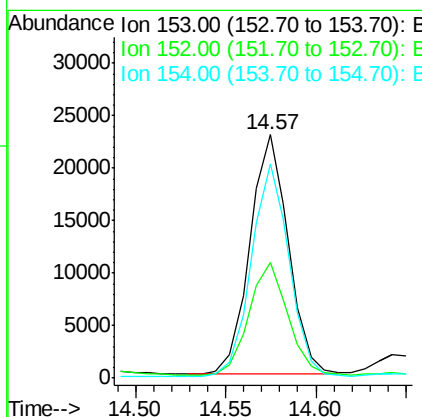
RT: 14.57 min Scan# 2168

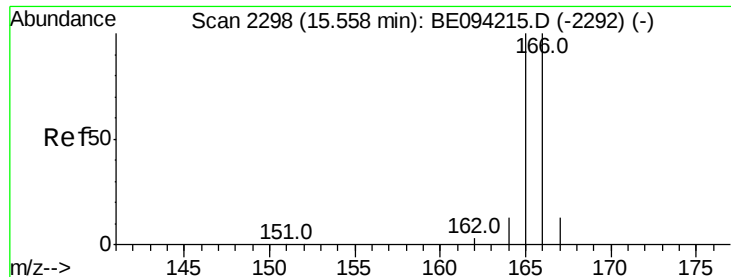
Delta R.T. 0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Tgt Ion:	153	Resp:	33638
Ion Ratio	Lower	Upper	
153	100		
152	47.3	40.3	60.5
154	87.9	71.4	107.2





#9

Fluorene

Concen: 1.772 ng/ul

RT: 15.56 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Instrument :

BNA_E

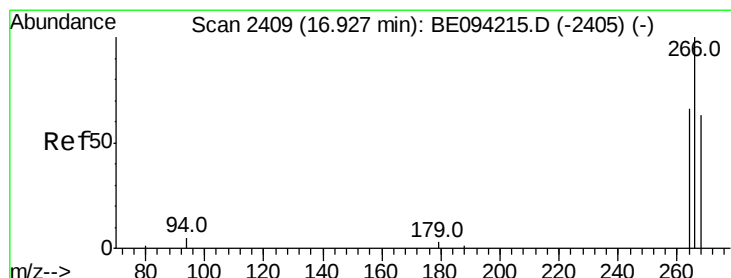
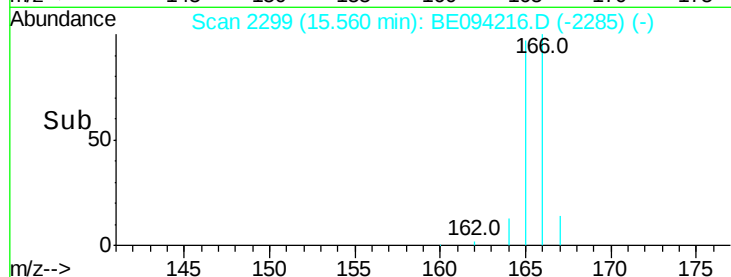
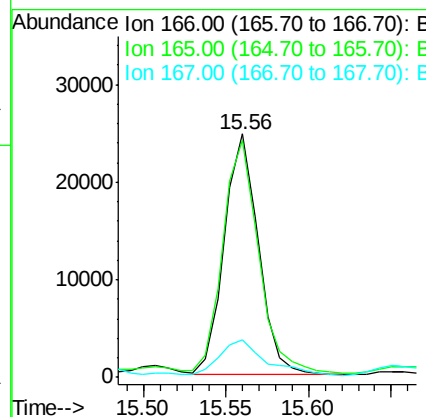
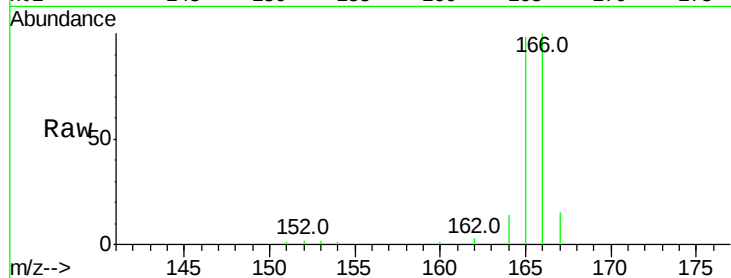
ClientSampleId :

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Tot Ion:	166	Resp:	35446
Ion Ratio	Lower	Upper	
166	100		
165	97.6	73.4	110.2
167	15.4	14.6	22.0

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#11

Pentachlorophenol

Concen: 0.601 ng/ul

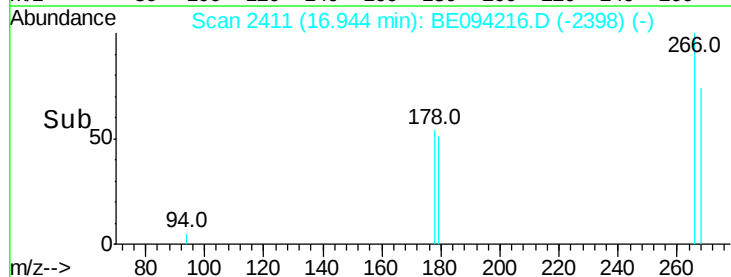
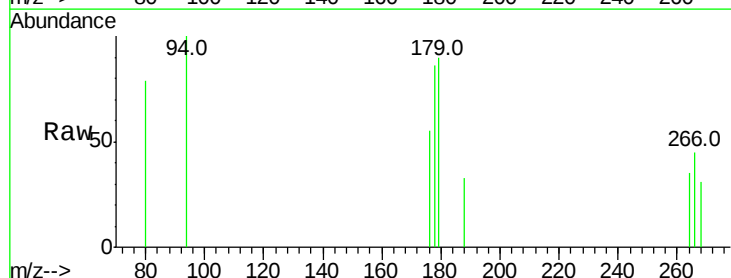
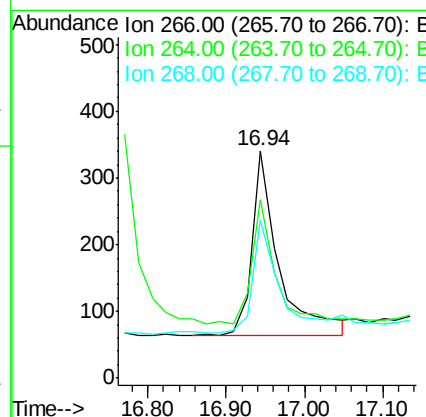
RT: 16.94 min Scan# 2411

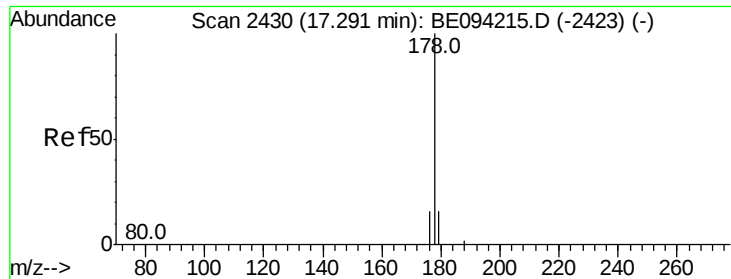
Delta R.T. 0.02 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Tgt Ion:	266	Resp:	674
Ion Ratio	Lower	Upper	
266	100		
264	57.4	47.9	71.9
268	65.4	49.8	74.8





#12

Phenanthrene

Concen: 33.002 ng/ul

RT: 17.29 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Instrument :

BNA_E

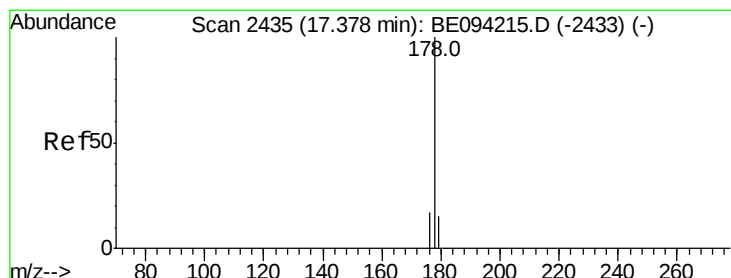
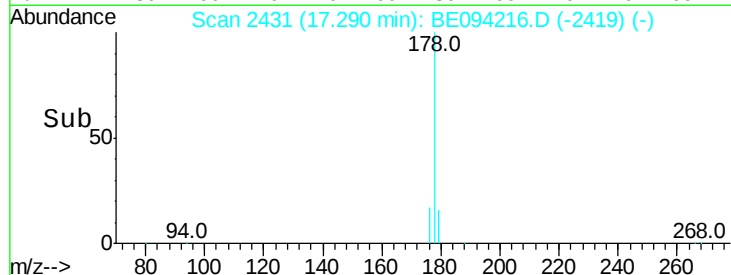
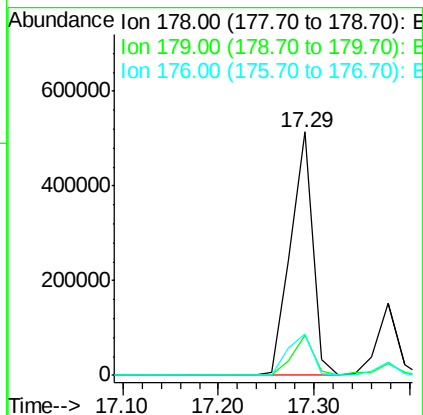
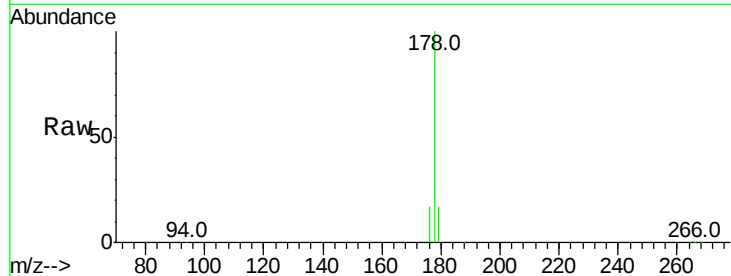
ClientSampleId :

B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.6	18.4	27.6#
176	16.9	13.6	20.4

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#13

Anthracene

Concen: 9.337 ng/ul

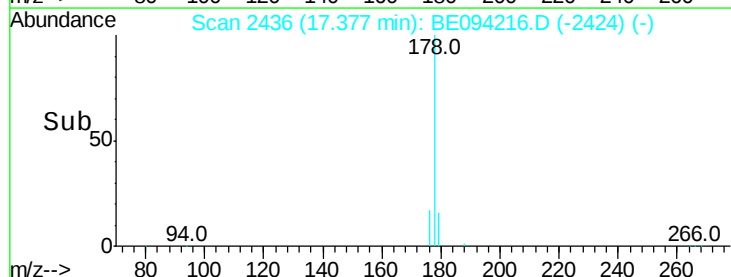
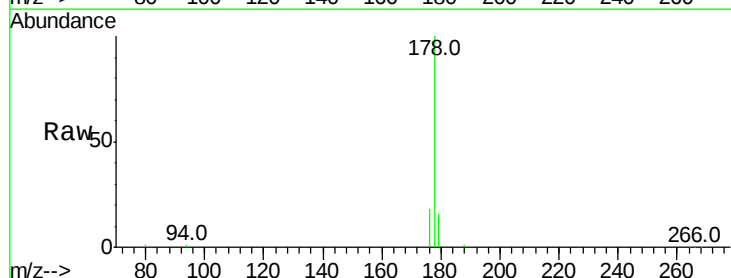
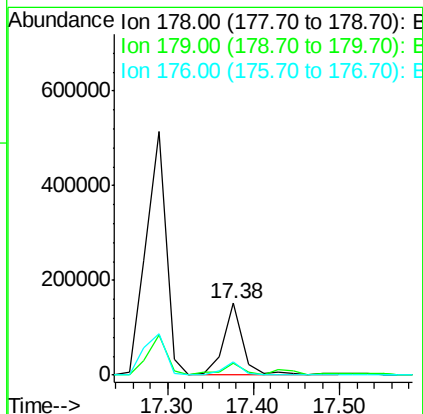
RT: 17.38 min Scan# 2436

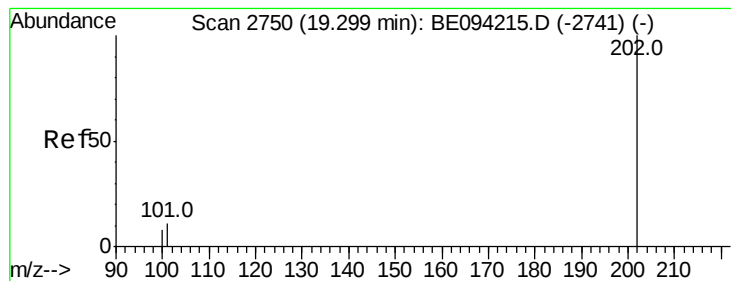
Delta R.T. -0.00 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	18.1	27.1#
176	17.7	14.7	22.1





#15

Fluoranthene

Concen: 66.136 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. 0.01 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Instrument :

BNA_E

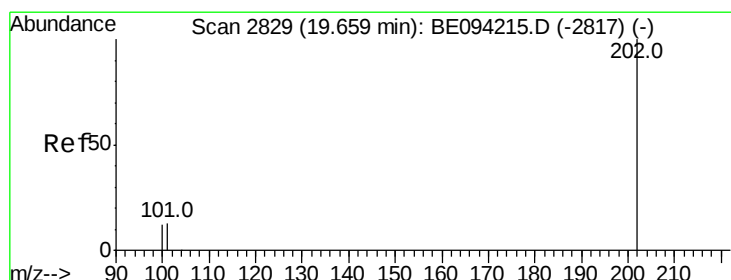
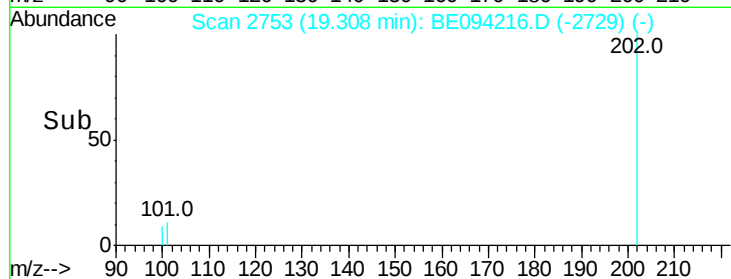
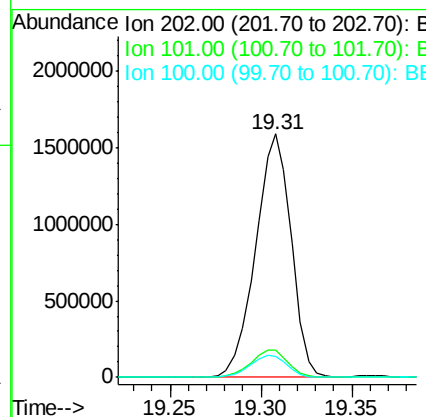
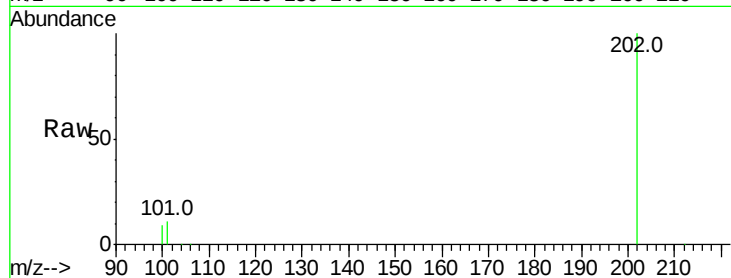
ClientSampleId :

B-41(0-1)-092617

Tot Ion:	202	Resp:	2171399
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.3
100	8.8	0.0	39.5

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#17

Pyrene

Concen: 50.538 ng/ul

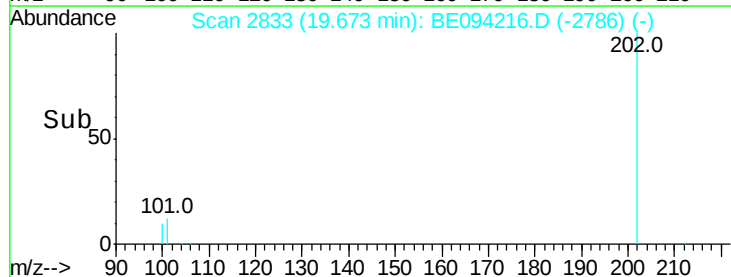
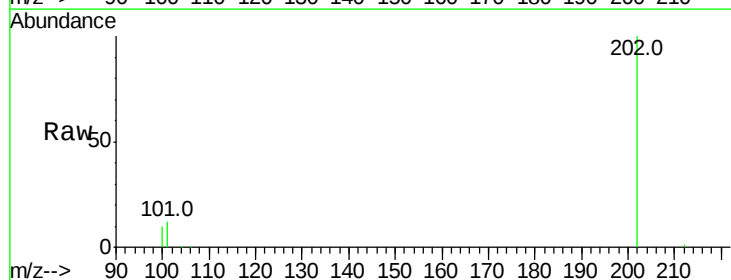
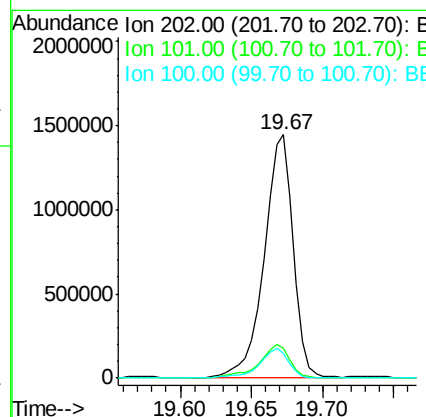
RT: 19.67 min Scan# 2833

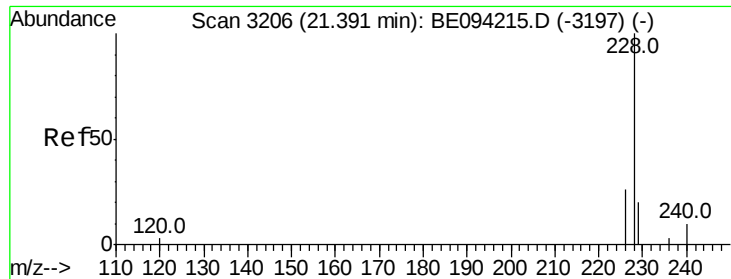
Delta R.T. 0.01 min

Lab File: BE094216.D

Acq: 9 Oct 2017 10:33

Tgt Ion:	202	Resp:	2053543
Ion	Ratio	Lower	Upper
202	100		
101	12.2	18.2	27.4#
100	10.4	15.6	23.4#





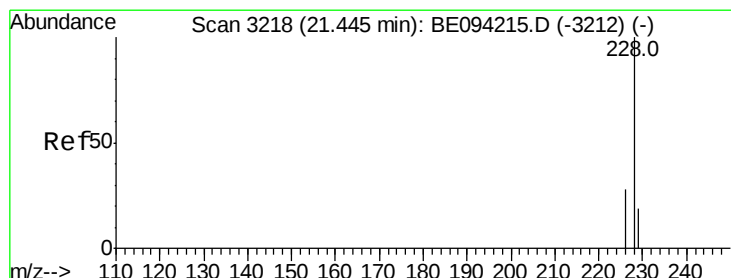
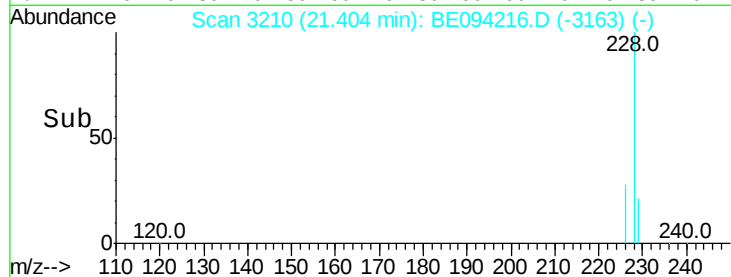
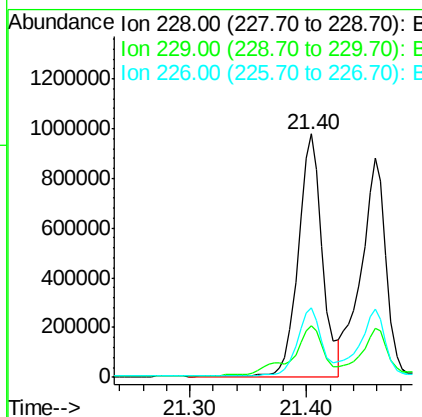
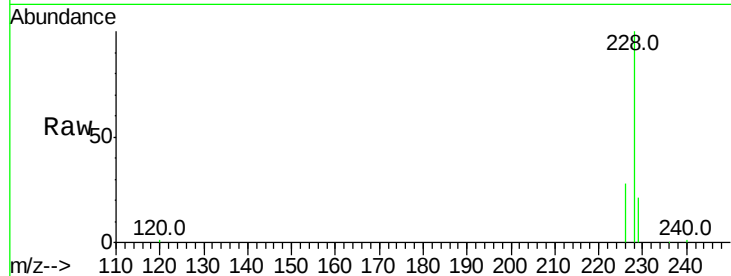
#18
Benzo(a)anthracene
Concen: 36.285 ng/ul
RT: 21.40 min Scan# 3210
Delta R.T. 0.01 min
Lab File: BE094216.D
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Tot Ion:228 Resp: 1405769
Ion Ratio Lower Upper
228 100
229 21.3 22.8 34.2#
226 28.4 17.0 25.6#

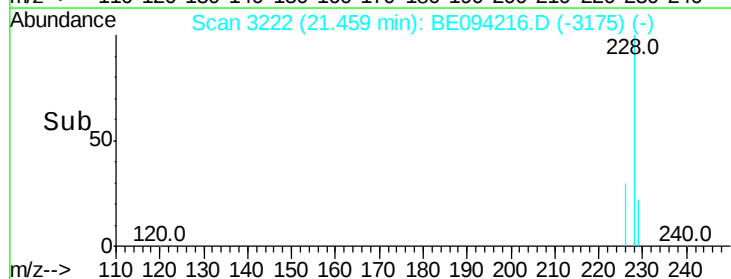
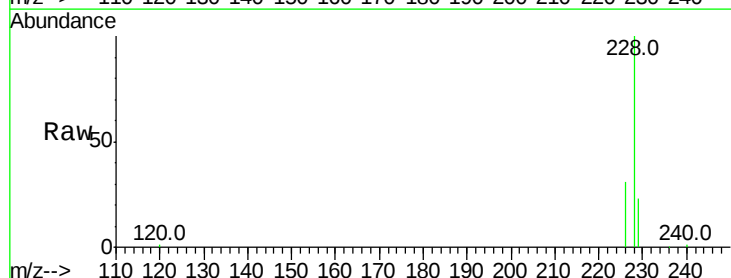
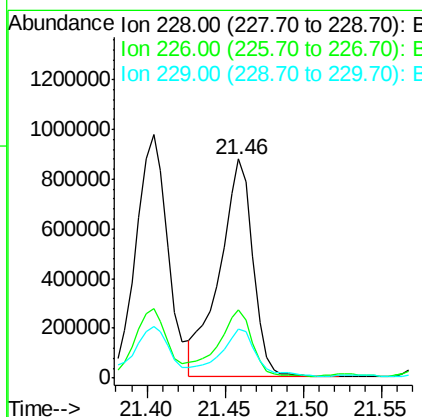
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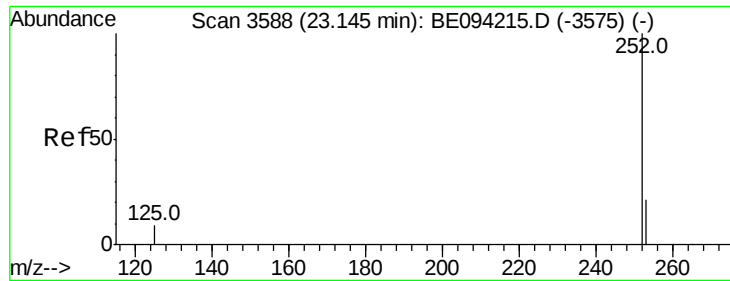
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#19
Chrysene
Concen: 29.111 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. 0.01 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Tgt Ion:228 Resp: 1302471
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.0
229 22.7 17.7 26.5





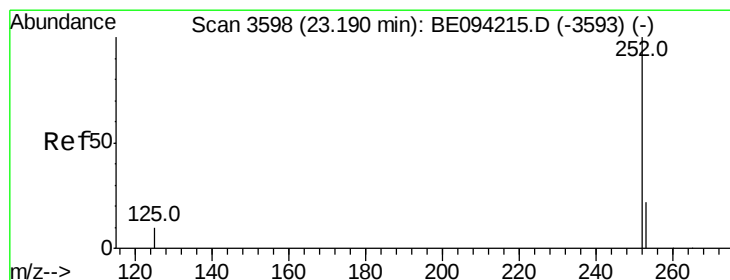
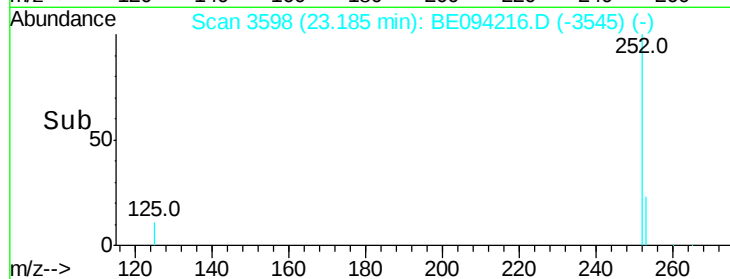
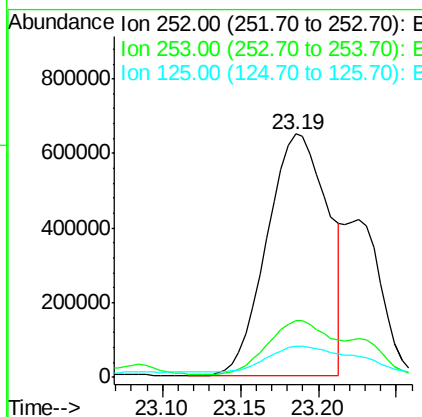
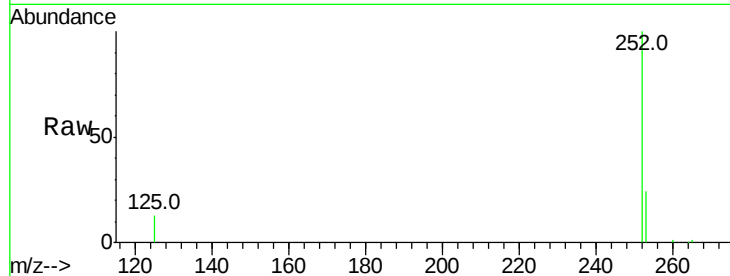
#21
Benzo(b)fluoranthene
Concen: 60.803 ng/ul
RT: 23.19 min Scan# 3598
Delta R.T. 0.04 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617

Tot Ion:252 Resp: 1755942
Ion Ratio Lower Upper
252 100
253 23.6 0.0 64.2
125 12.6 0.0 35.0

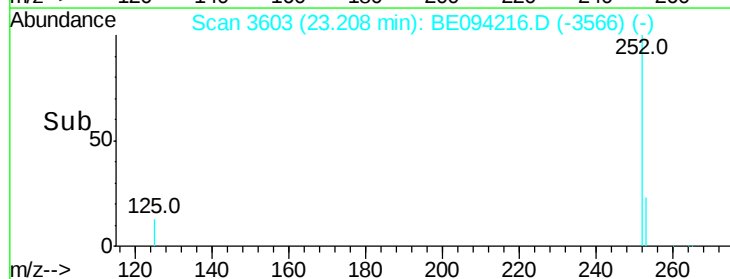
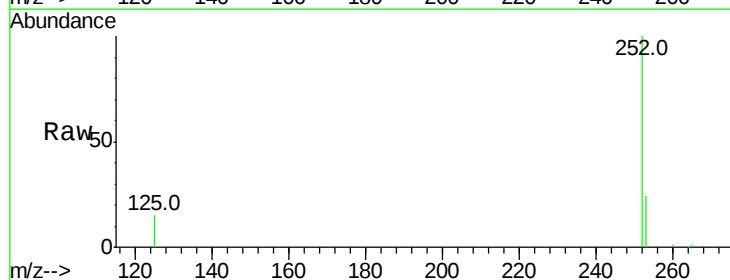
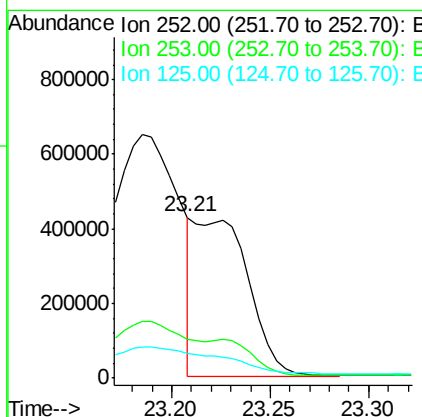
Manual Integrations
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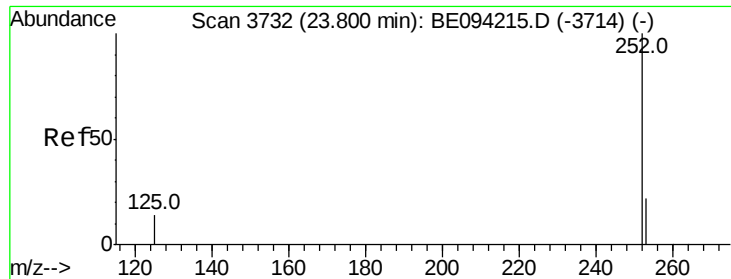
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#22
Benzo(k)fluoranthene
Concen: 24.269 ng/ul m
RT: 23.21 min Scan# 3603
Delta R.T. 0.02 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Tgt Ion:252 Resp: 810118
Ion Ratio Lower Upper
252 100
253 24.1 24.5 36.7#
125 15.4 13.7 20.5





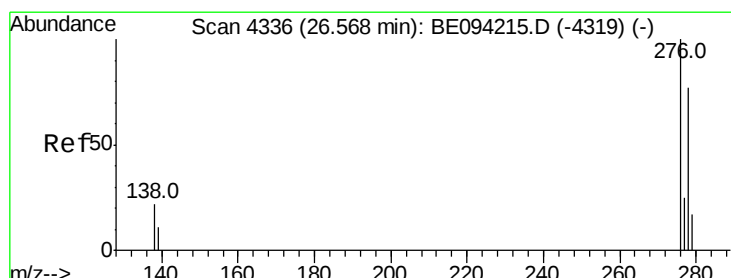
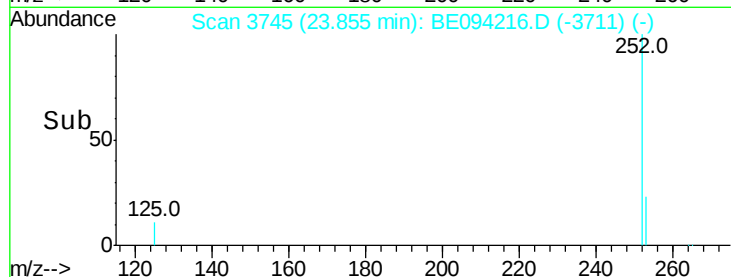
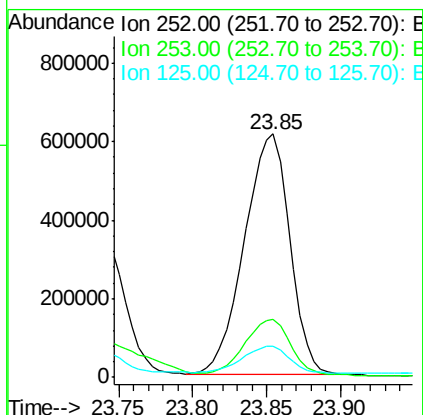
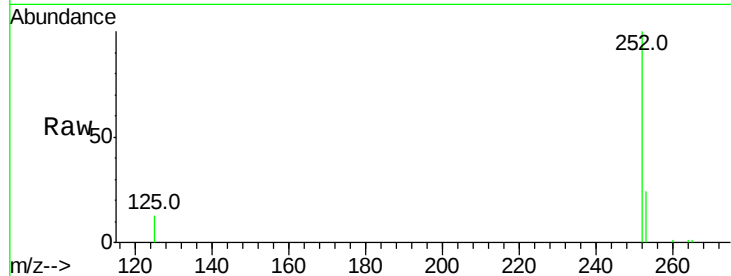
#23
Benzo(a)pyrene
Concen: 43.572 ng/ul m
RT: 23.85 min Scan# 3745
Delta R.T. 0.05 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	28.5	42.7#
125	12.6	18.1	27.1#

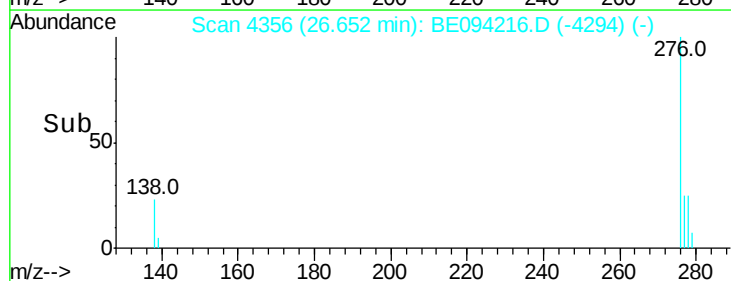
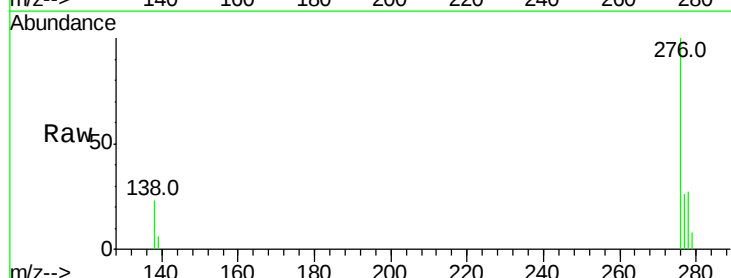
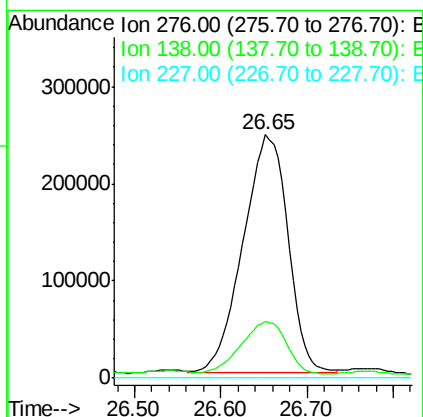
Manual Integrations
APPROVED

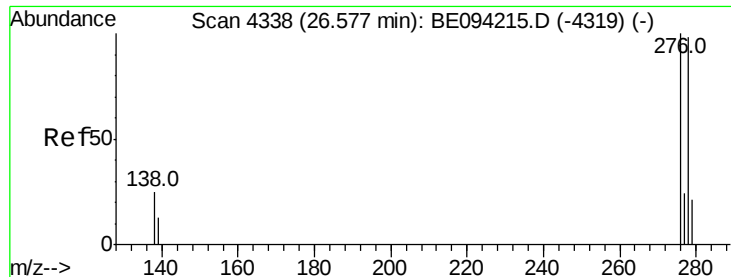
Sohil
10/10/2017 4:56:26 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 28.740 ng/ul m
RT: 26.65 min Scan# 4356
Delta R.T. 0.08 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

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





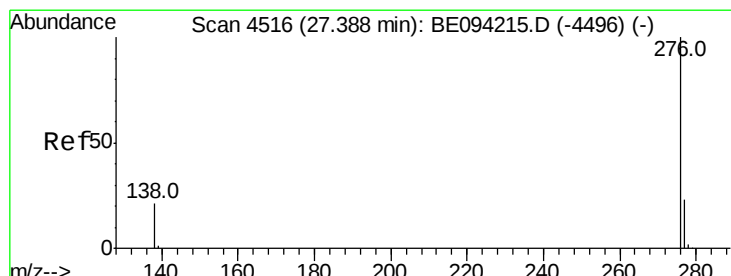
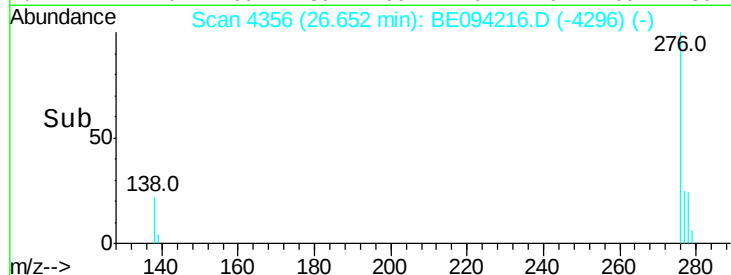
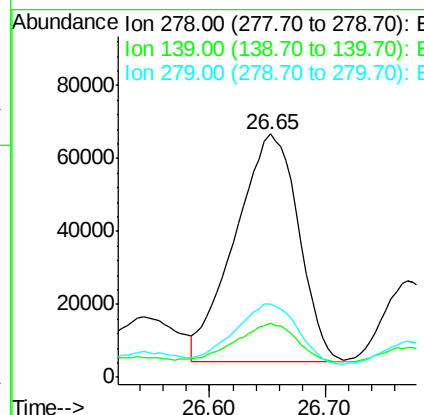
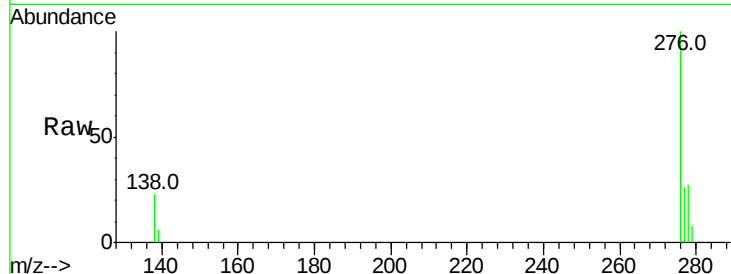
#25
Dibenzo(a,h)anthracene
Concen: 9.256 ng/ul m
RT: 26.65 min Scan# 4356
Delta R.T. 0.08 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Instrument :
BNA_E
ClientSampleId :
B-41(0-1)-092617

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	17.4	26.0
279	29.9	25.9	38.9

Manual Integrations
APPROVED

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#26
Benzo(g,h,i)perylene
Concen: 28.275 ng/ul m
RT: 27.49 min Scan# 4540
Delta R.T. 0.10 min
Lab File: BE094216.D
Acq: 9 Oct 2017 10:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	21.8	32.8
277	24.9	20.5	30.7

