

Data Path : Z:\HPCHEM1\BNA_E\Data\BE103117\
 Data File : BE094668.D
 Acq On : 31 Oct 2017 21:17
 Operator : SJ/JU
 Sample : I5873-04RE 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-16(0-1)_101217RE

Manual Integrations
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 11/1/2017 4:29:45 PM

Quant Time: Nov 02 03:16:25 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	1313	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7594	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.51	164	7519	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	8830	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	8892	0.40	ng/ul	0.00
20) Perylene-d12	23.97	264	8873	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	1860	0.15	ng/ul	-0.04
14) Fluoranthene-d10	19.28	212	18898	0.72	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.73	128	28491	1.534	ng/ul#	92
5) 2-Methylnaphthalene	12.34	142	34763	2.676	ng/ul	97
7) Acenaphthylene	14.24	152	7867	0.231	ng/ul#	1
8) Acenaphthene	14.59	153	3248	0.133	ng/ul#	32
9) Fluorene	15.57	166	6047	0.220	ng/ul#	55
12) Phenanthrene	17.29	178	33629	1.442	ng/ul	94
15) Fluoranthene	19.31	202	15897	0.590	ng/ul	83
17) Pyrene	19.67	202	32108	1.168	ng/ul#	83
18) Benzo(a)anthracene	21.41	228	9177	0.361	ng/ul#	40
19) Chrysene	21.46	228	12532	0.477	ng/ul#	63
21) Benzo(b)fluoranthene	23.19	252	17918m	0.718	ng/ul	
22) Benzo(k)fluoranthene	23.23	252	4691m	0.175	ng/ul	
23) Benzo(a)pyrene	23.85	252	10083	0.404	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.68	276	8535	0.331	ng/ul#	84
25) Dibenzo(a,h)anthracene	26.66	278	2479	0.114	ng/ul#	1
26) Benzo(g,h,i)perylene	27.52	276	9449	0.456	ng/ul#	41

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

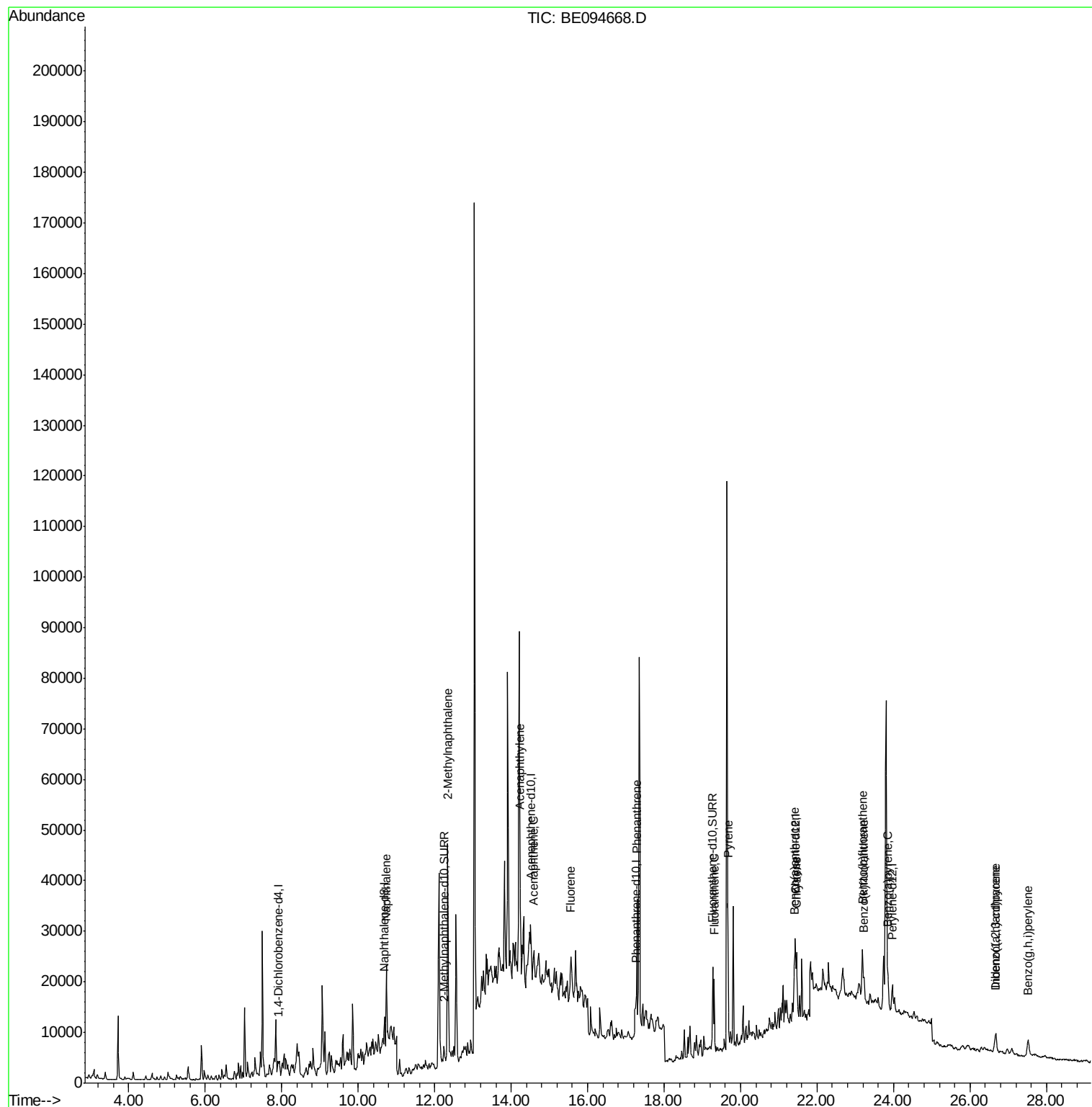
Data Path : Z:\HPCHEM1\BNA_E\Data\BE103117\
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Sample : I5873-04RE 5X
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ALS Vial : 16 Sample Multiplier: 1

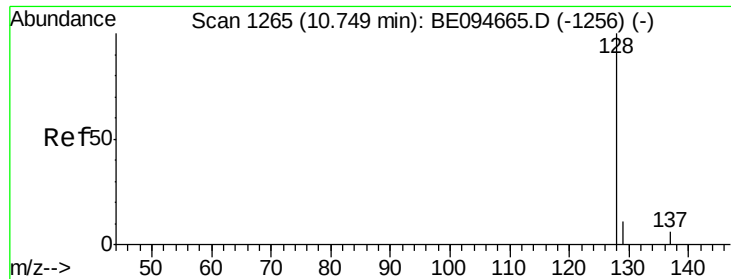
Instrument :
BNA_E
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B-16(0-1)_101217RE

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QLast Update : Wed Nov 01 09:37:39 2017
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#3

Naphthalene

Concen: 1.534 ng/ul

RT: 10.73 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

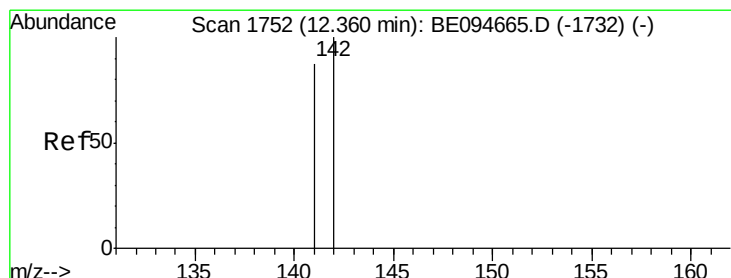
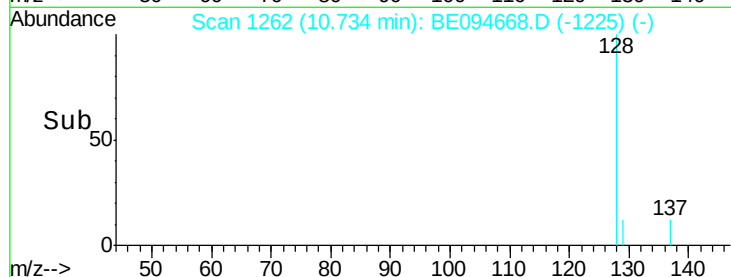
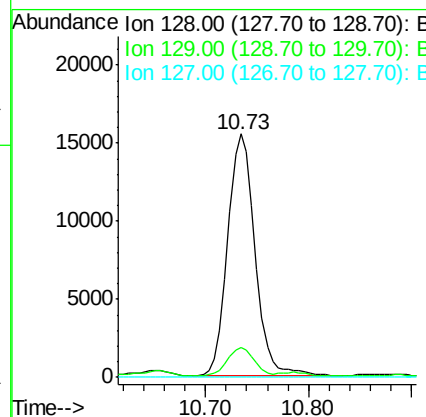
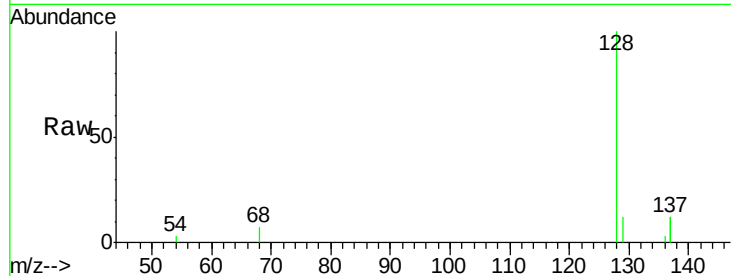
ClientSampleId :

B-16(0-1)_101217RE

Tgt Ion:	128	Resp:	28491
Ion Ratio	Lower	Upper	
128	100		
129	12.1	11.3	16.9
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 2.676 ng/ul

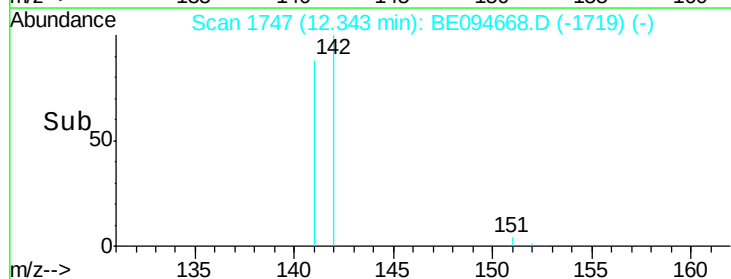
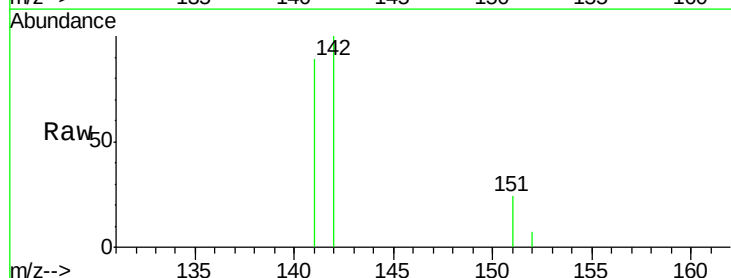
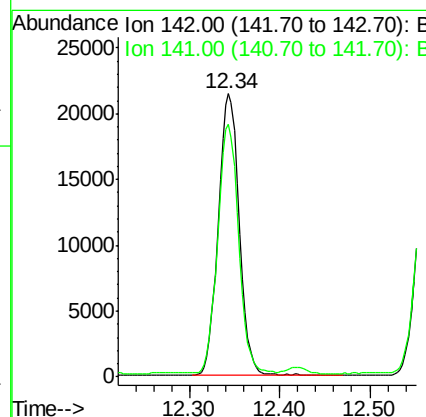
RT: 12.34 min Scan# 1747

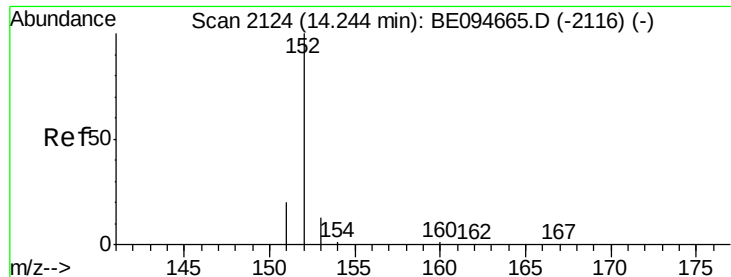
Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:	142	Resp:	34763
Ion Ratio	Lower	Upper	
142	100		
141	88.3	72.6	108.8





#7

Acenaphthylene

Concen: 0.231 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

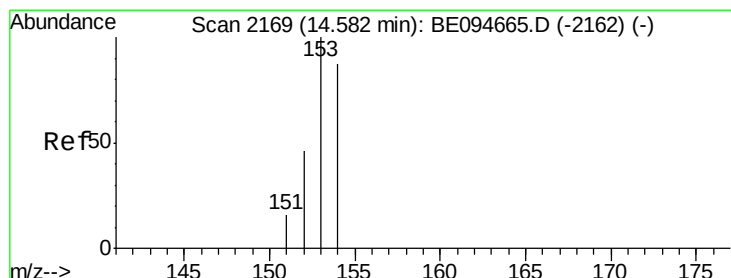
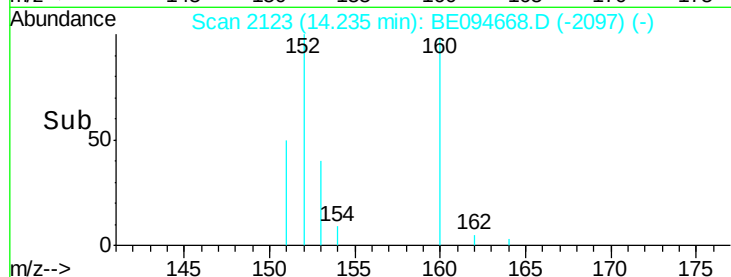
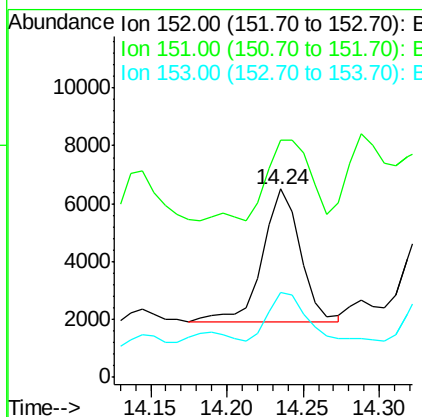
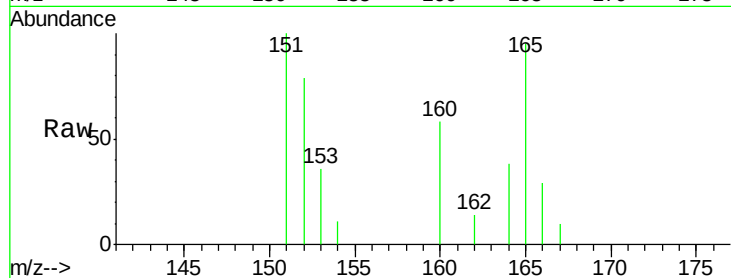
ClientSampleId :

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Tgt Ion:	152	Resp:	7867
Ion Ratio	Lower	Upper	
152	100		
151	125.9	17.1	25.7#
153	45.1	12.8	19.2#

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#8

Acenaphthene

Concen: 0.133 ng/ul

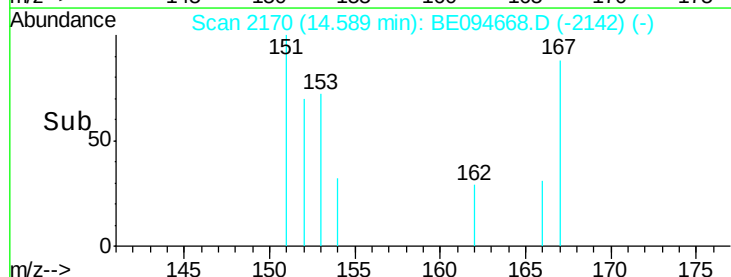
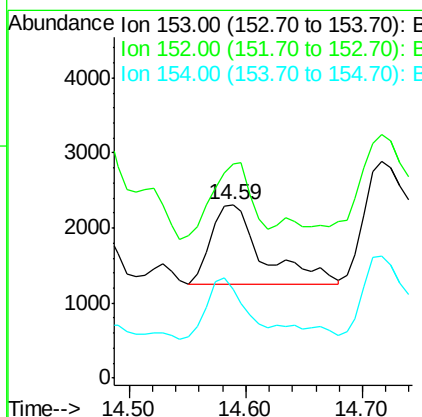
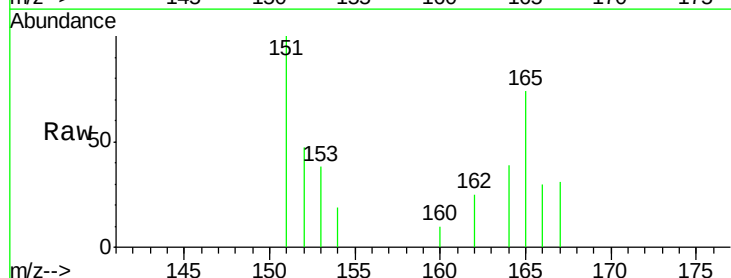
RT: 14.59 min Scan# 2170

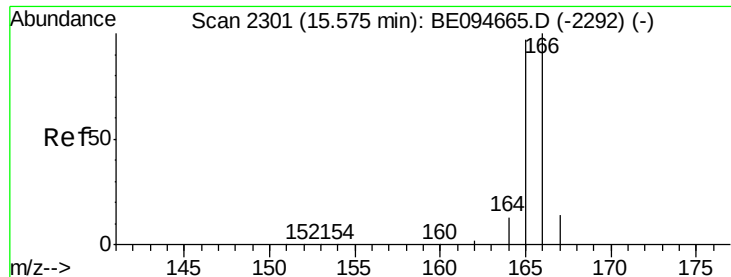
Delta R.T. 0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:	153	Resp:	3248
Ion Ratio	Lower	Upper	
153	100		
152	123.8	36.0	54.0#
154	51.0	72.0	108.0#





#9

Fluorene

Concen: 0.220 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

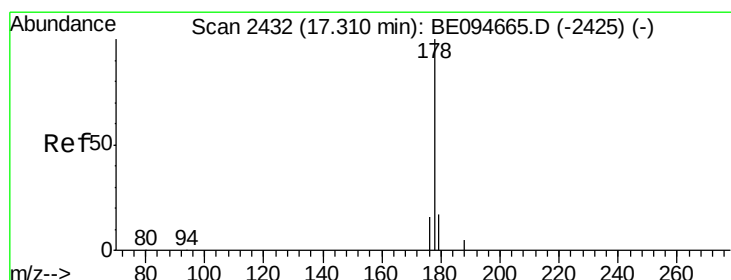
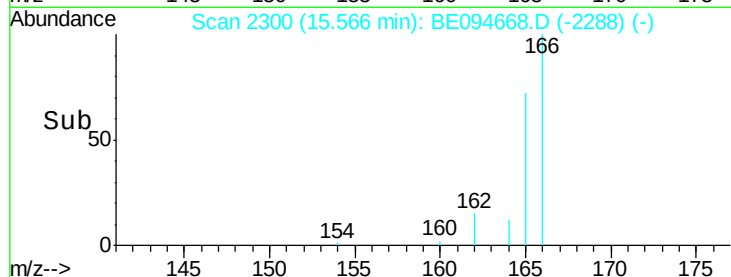
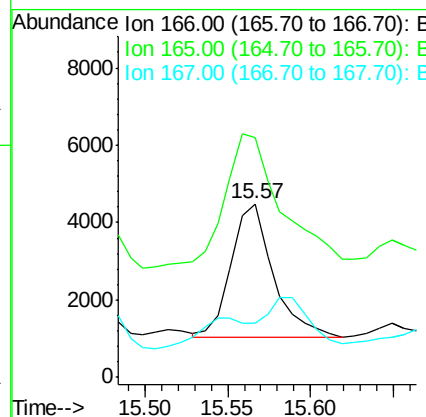
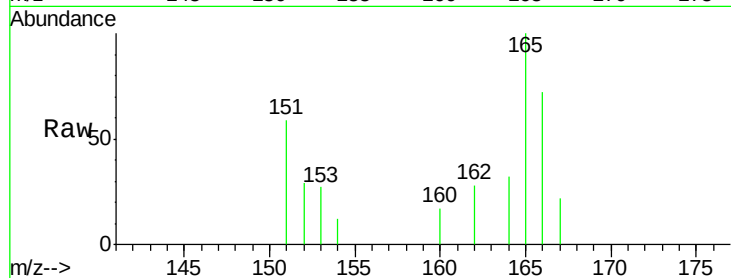
ClientSampleId :

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Tgt Ion:166 Resp: 6047
 Ion Ratio Lower Upper
 166 100
 165 138.0 73.4 110.2#
 167 31.0 14.6 22.0#

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#12

Phenanthrene

Concen: 1.442 ng/ul

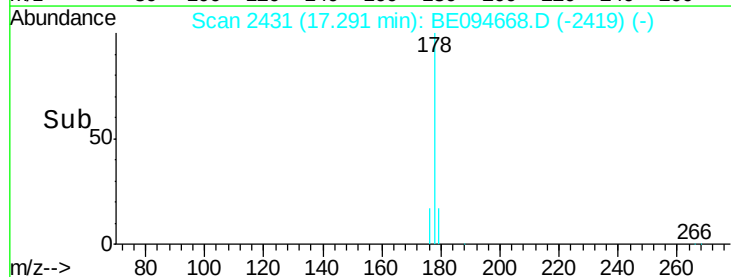
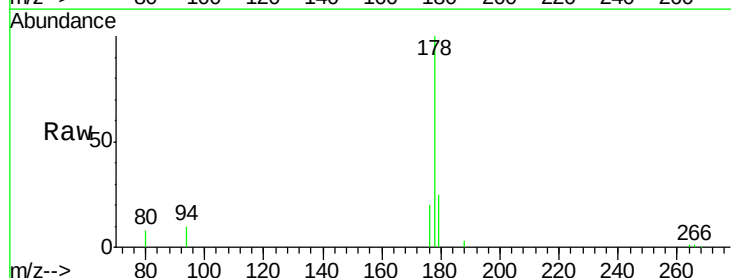
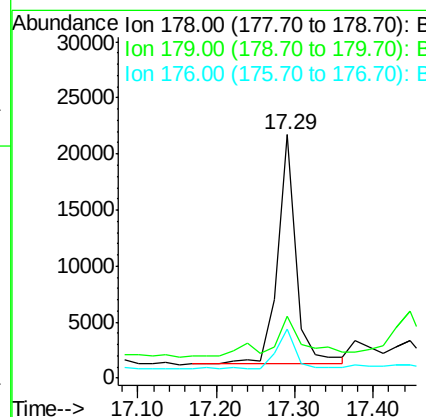
RT: 17.29 min Scan# 2431

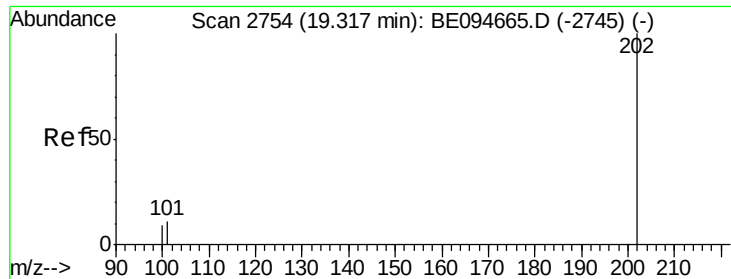
Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:178 Resp: 33629
 Ion Ratio Lower Upper
 178 100
 179 25.3 18.4 27.6
 176 20.0 13.6 20.4





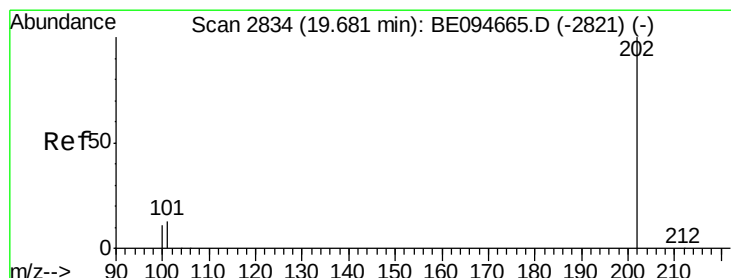
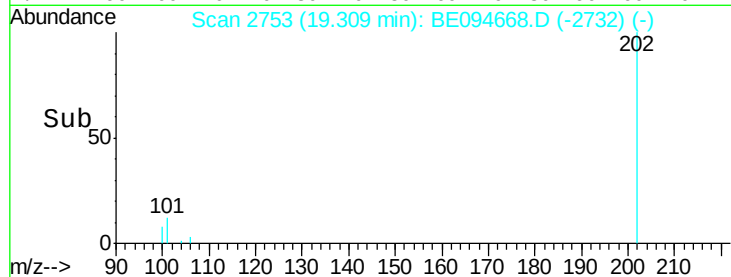
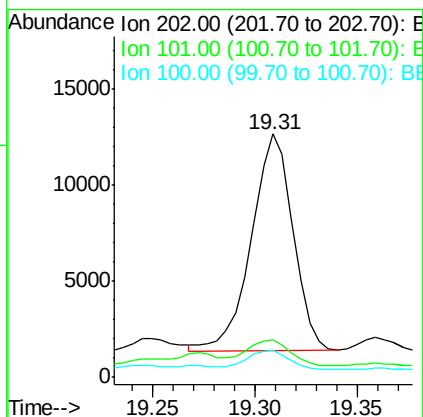
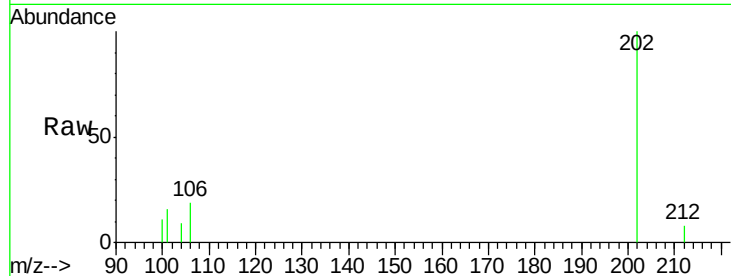
#15
Fluoranthene
Concen: 0.590 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.00 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

Instrument :
BNA_E
ClientSampleId :
B-16(0-1)_101217RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.6	0.0	30.3
100	11.0	0.0	39.5

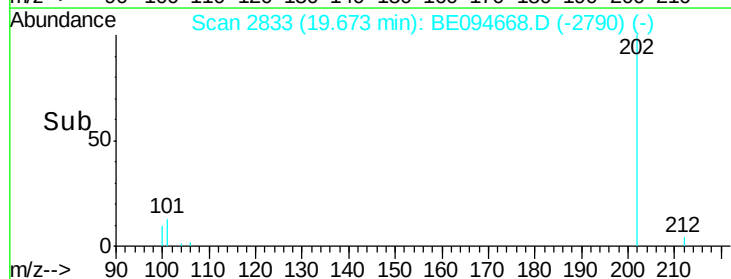
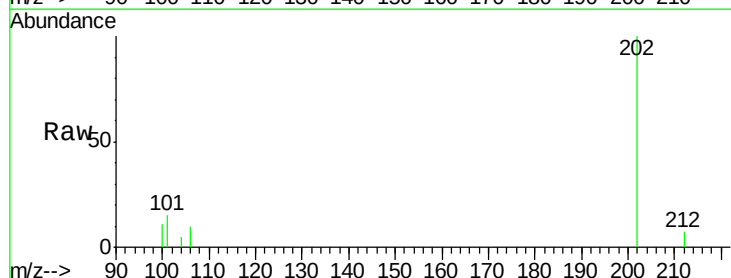
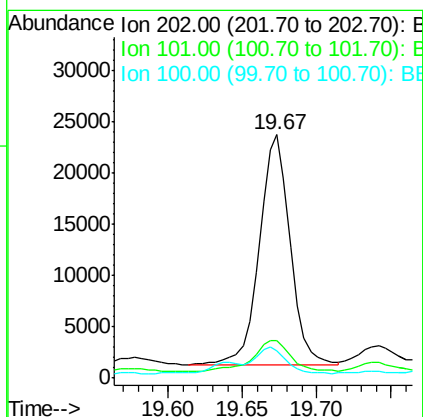
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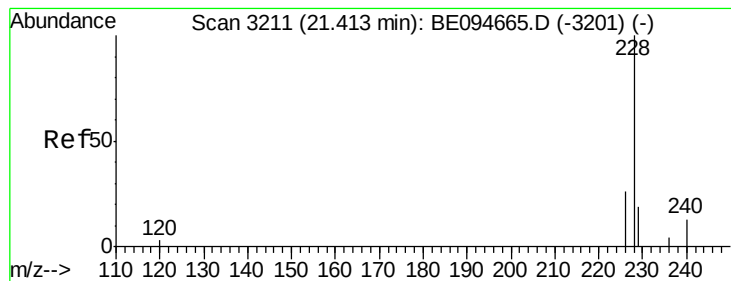
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#17
Pyrene
Concen: 1.168 ng/ul
RT: 19.67 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.2	18.2	27.4#
100	11.2	15.6	23.4#





#18

Benzo(a)anthracene

Concen: 0.361 ng/ul

RT: 21.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Instrument :

BNA_E

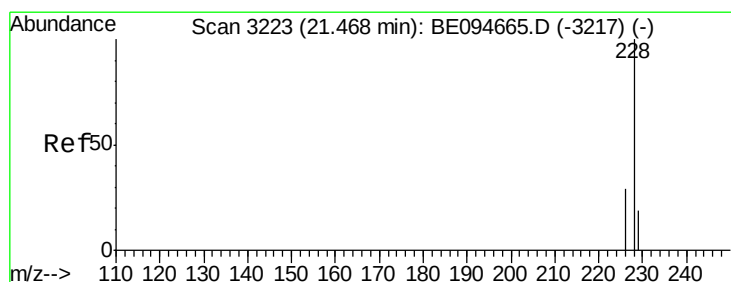
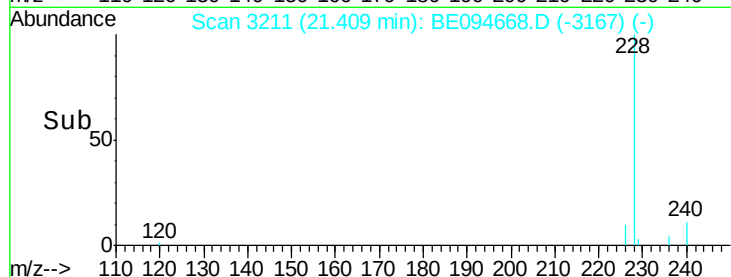
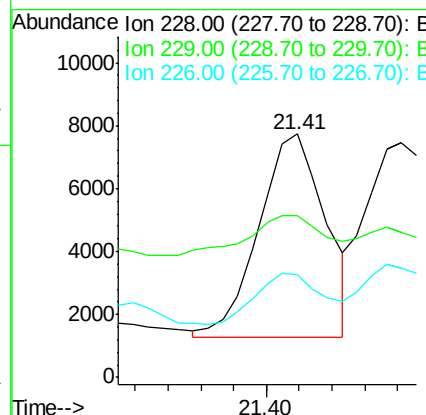
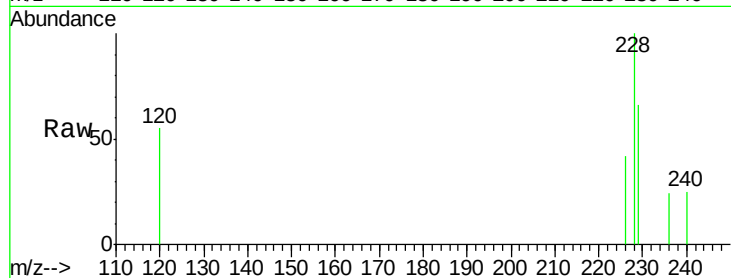
ClientSampleId :

B-16(0-1)_101217RE

Tgt Ion:	228	Resp:	9177
Ion Ratio	Lower	Upper	
228	100		
229	66.2	22.8	34.2#
226	42.2	17.0	25.6#

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#19

Chrysene

Concen: 0.477 ng/ul

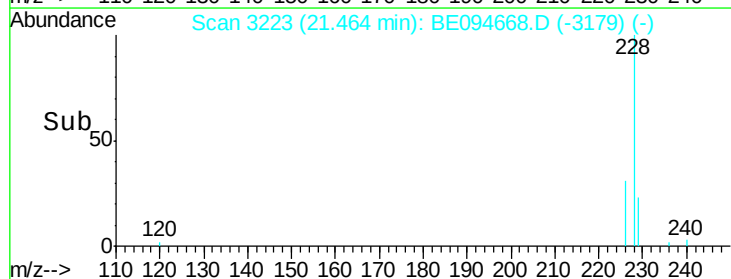
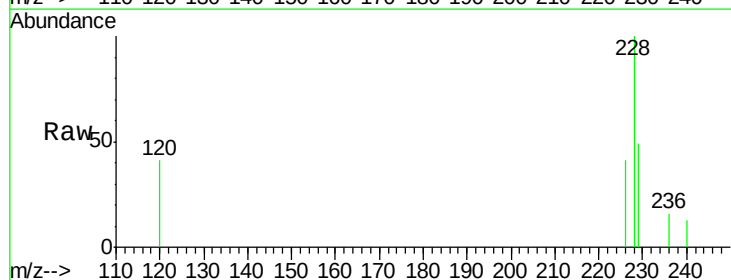
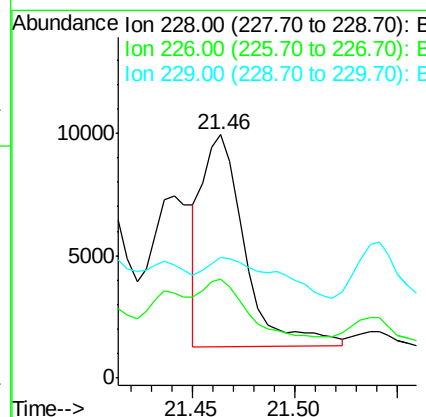
RT: 21.46 min Scan# 3223

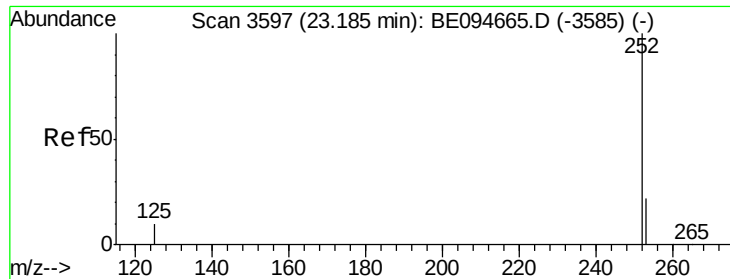
Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

Tgt Ion:	228	Resp:	12532
Ion Ratio	Lower	Upper	
228	100		
226	40.9	23.4	35.0#
229	49.4	17.7	26.5#





#21

Benzo(b)fluoranthene

Concen: 0.718 ng/ul m

RT: 23.19 min Scan# 3598

Delta R.T. 0.00 min

Lab File: BE094668.D

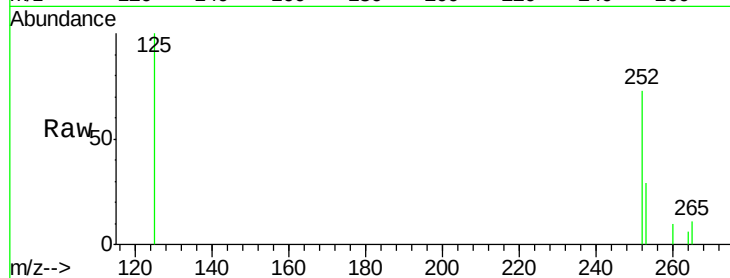
Acq: 31 Oct 2017 21:17

Instrument :

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ClientSampleId :

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Tgt Ion:252 Resp: 17918

Ion Ratio Lower Upper

252 100

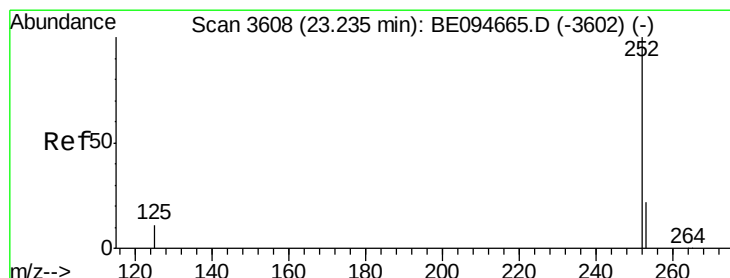
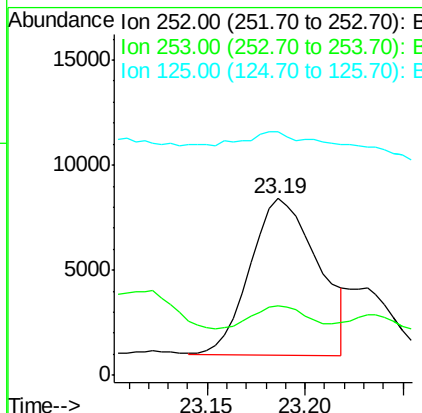
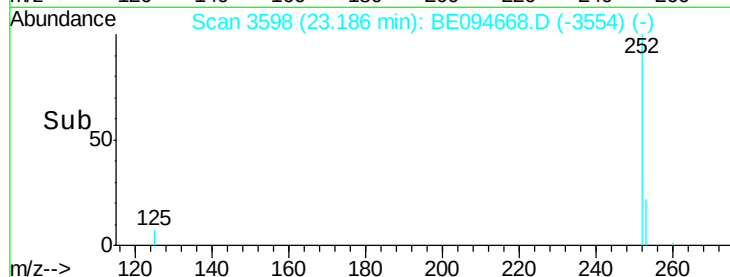
253 39.6 0.0 64.2

125 137.7 0.0 35.0#

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#22

Benzo(k)fluoranthene

Concen: 0.175 ng/ul m

RT: 23.23 min Scan# 3608

Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

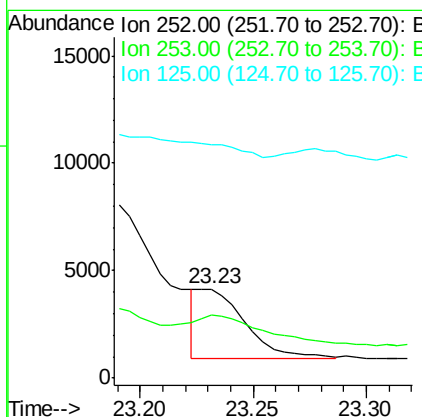
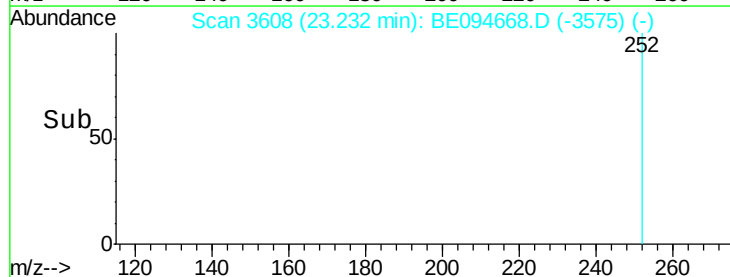
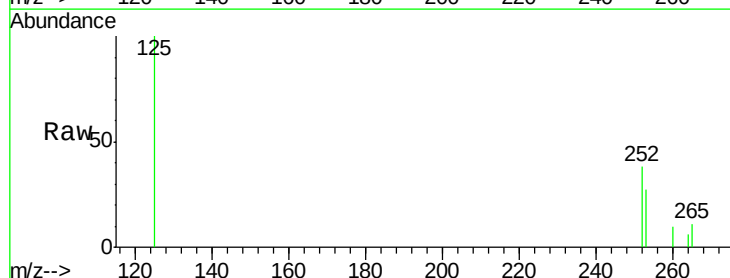
Tgt Ion:252 Resp: 4691

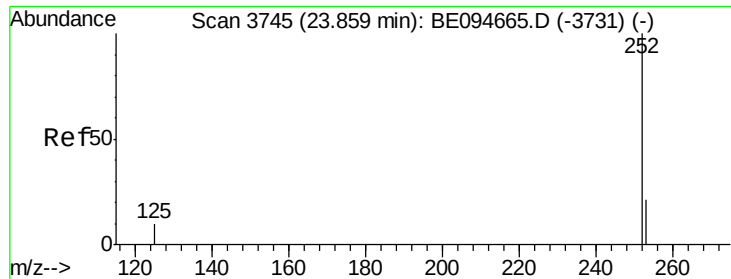
Ion Ratio Lower Upper

252 100

253 70.4 24.5 36.7#

125 263.4 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 23.85 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BE094668.D

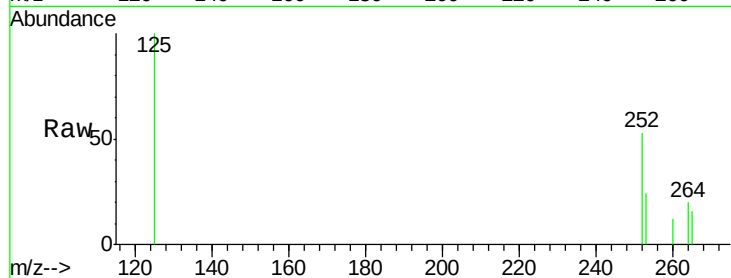
Acq: 31 Oct 2017 21:17

Instrument :

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Tgt Ion: 252 Resp: 10083

Ion Ratio Lower Upper

252 100

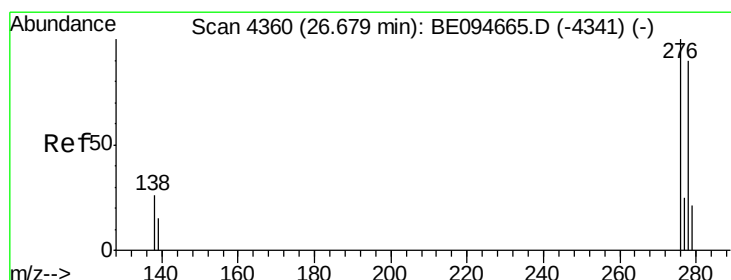
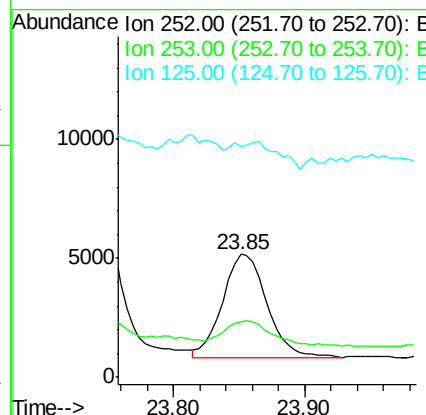
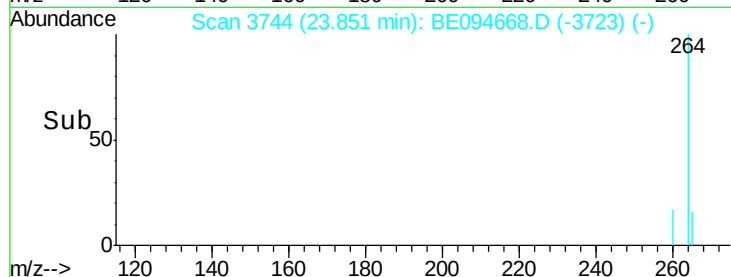
253 45.2 28.5 42.7#

125 187.0 18.1 27.1#

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#24

Indeno(1,2,3-cd)pyrene

Concen: 0.331 ng/ul

RT: 26.68 min Scan# 4361

Delta R.T. 0.00 min

Lab File: BE094668.D

Acq: 31 Oct 2017 21:17

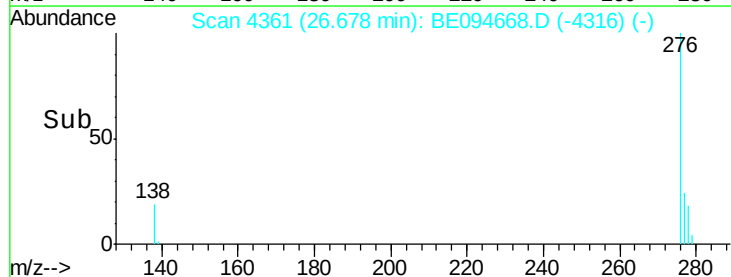
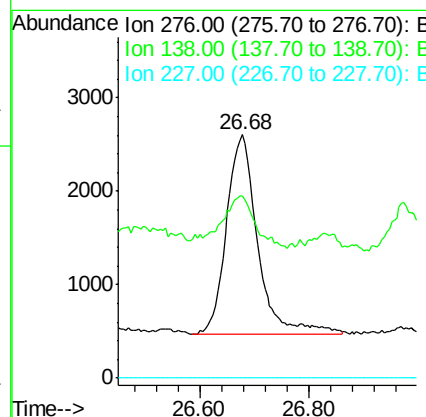
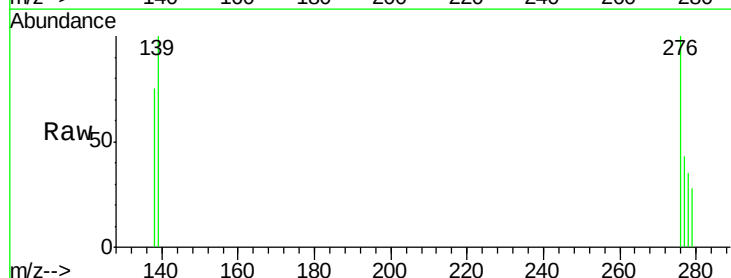
Tgt Ion: 276 Resp: 8535

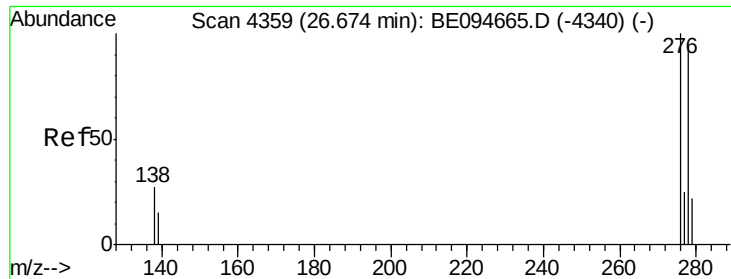
Ion Ratio Lower Upper

276 100

138 27.7 28.0 42.0#

227 0.0 8.0 12.0#





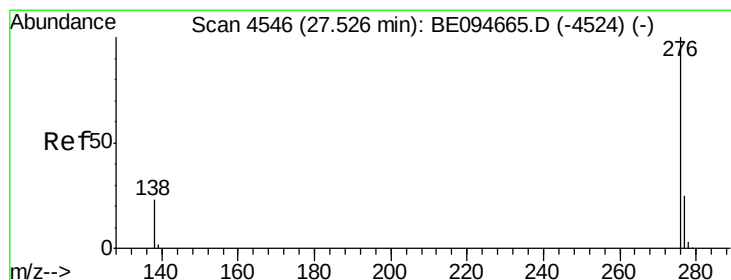
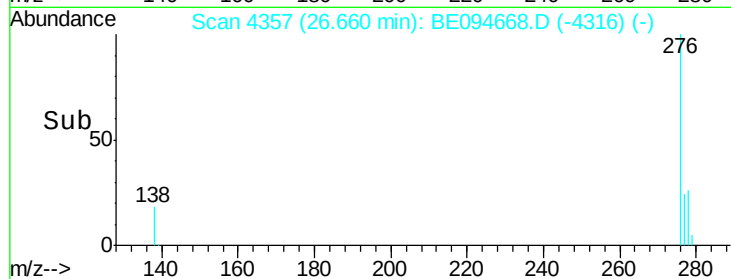
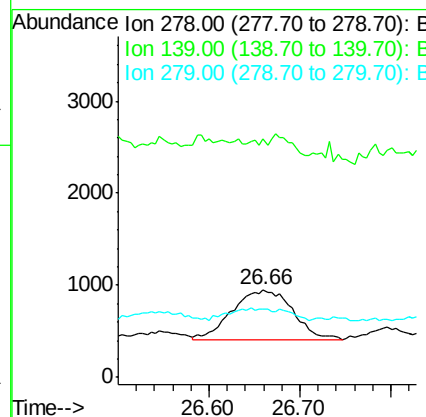
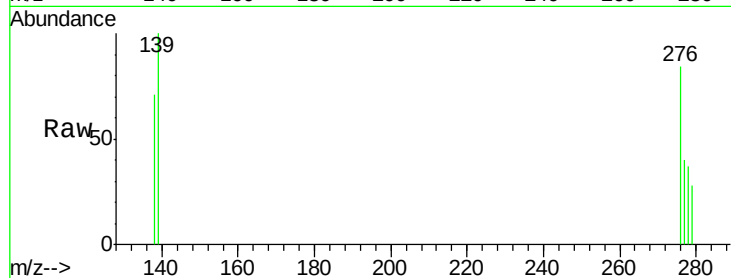
#25
Dibenzo(a,h)anthracene
Concen: 0.114 ng/ul
RT: 26.66 min Scan# 4357
Delta R.T. -0.01 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

Instrument :
BNA_E
ClientSampleId :
B-16(0-1)_101217RE

Tgt Ion: 278 Resp: 2479
Ion Ratio Lower Upper
278 100
139 273.2 17.4 26.0#
279 77.4 25.9 38.9#

Manual Integrations
APPROVED

Sohil
11/1/2017 4:29:45 PM



#26
Benzo(g,h,i)perylene
Concen: 0.456 ng/ul
RT: 27.52 min Scan# 4546
Delta R.T. -0.00 min
Lab File: BE094668.D
Acq: 31 Oct 2017 21:17

Tgt Ion: 276 Resp: 9449
Ion Ratio Lower Upper
276 100
138 70.5 21.8 32.8#
277 42.1 20.5 30.7#

