

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
 Data File : BE094573.D
 Acq On : 26 Oct 2017 21:41
 Operator : SJ/JU
 Sample : I5873-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B-19(2-4)_101117

Manual Integrations
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Sohil
 10/27/2017 5:35:41 PM

Quant Time: Oct 27 09:01:23 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	7.90	152	1229	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.69	136	7268	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.51	164	4222	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	9317	0.40	ng/ul	0.00
16) Chrysene-d12	21.42	240	9219	0.40	ng/ul	0.00
20) Perylene-d12	23.95	264	9822	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	774	0.07	ng/ul	-0.01
14) Fluoranthene-d10	19.28	212	1843	0.07	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.74	128	1543	0.087	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	921	0.074	ng/ul	97
7) Acenaphthylene	14.24	152	847	0.044	ng/ul#	83
8) Acenaphthene	14.57	153	415	0.030	ng/ul#	90
9) Fluorene	15.57	166	543	0.035	ng/ul#	85
12) Phenanthrene	17.29	178	17512	0.712	ng/ul#	91
13) Anthracene	17.38	178	2765	0.114	ng/ul#	96
15) Fluoranthene	19.31	202	27119	0.953	ng/ul	83
17) Pyrene	19.67	202	27001	0.947	ng/ul#	82
18) Benzo(a)anthracene	21.40	228	13169	0.500	ng/ul#	91
19) Chrysene	21.46	228	15916	0.584	ng/ul	93
21) Benzo(b)fluoranthene	23.17	252	19102m	0.691	ng/ul	
22) Benzo(k)fluoranthene	23.22	252	4295m	0.145	ng/ul	
23) Benzo(a)pyrene	23.84	252	12392	0.449	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.65	276	7997	0.280	ng/ul#	78
25) Dibenzo(a,h)anthracene	26.64	278	2169	0.090	ng/ul#	29
26) Benzo(g,h,i)perylene	27.48	276	6991	0.305	ng/ul#	79

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

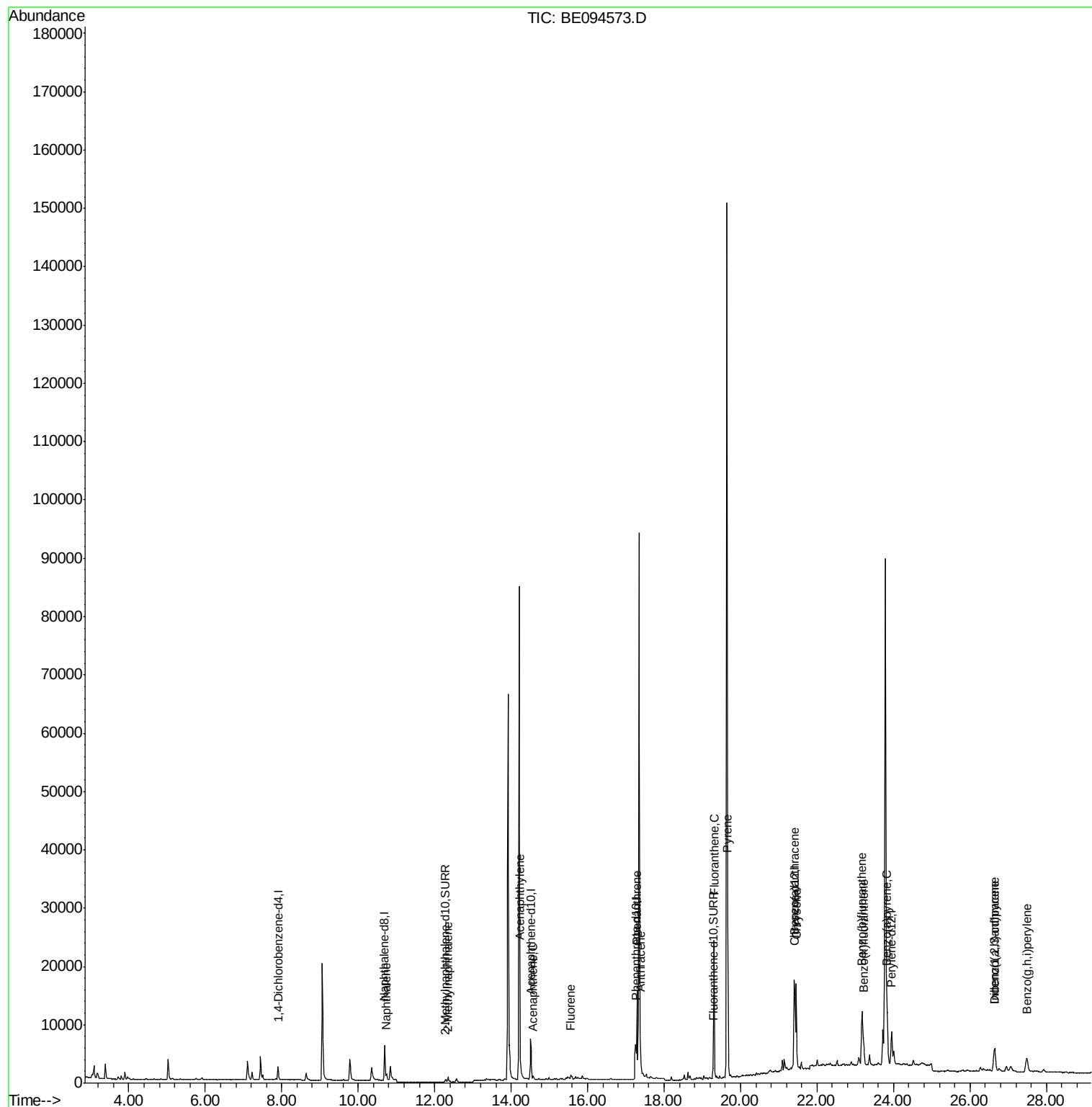
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102617\
Data File : BE094573.D
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Sample : I5873-01 5X
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ALS Vial : 17 Sample Multiplier: 1

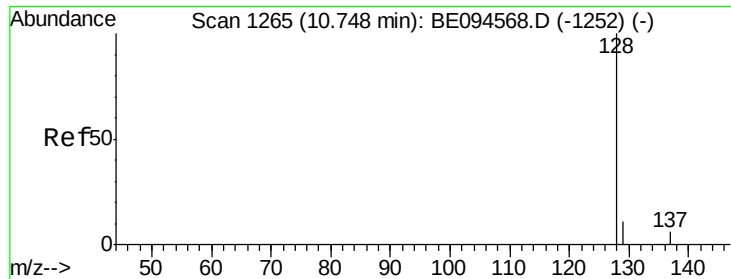
Instrument :
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#3

Naphthalene

Concen: 0.087 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

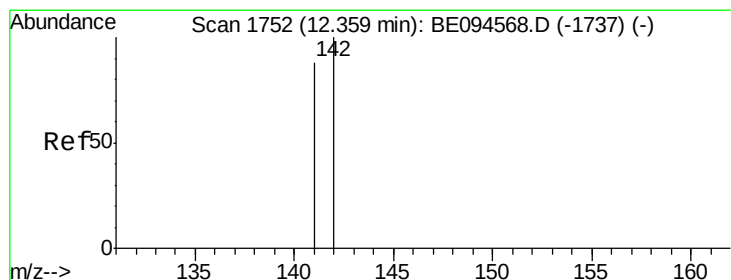
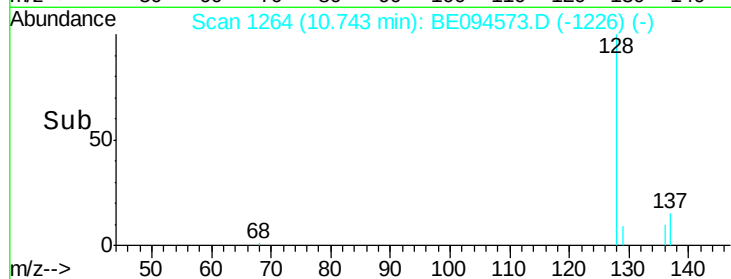
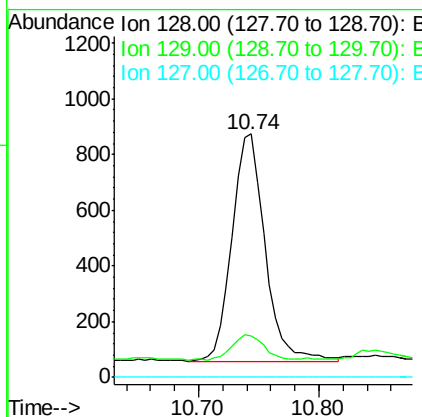
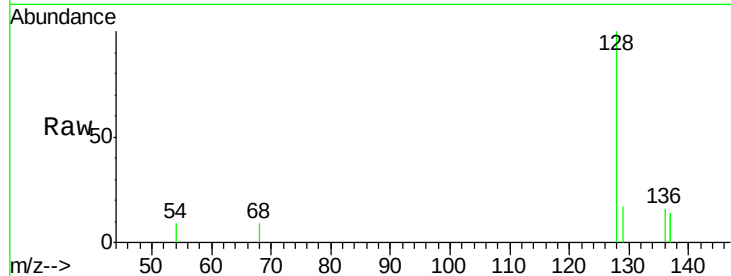
ClientSampleId :

B-19(2-4)_101117

Tgt Ion:	128	Resp:	1543
Ion Ratio	Lower	Upper	
128	100		
129	17.0	11.3	16.9#
127	0.0	4.0	6.0#

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#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

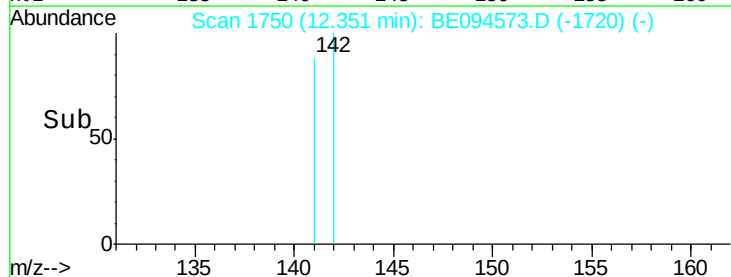
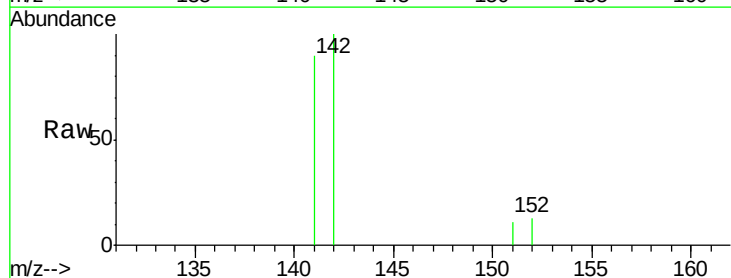
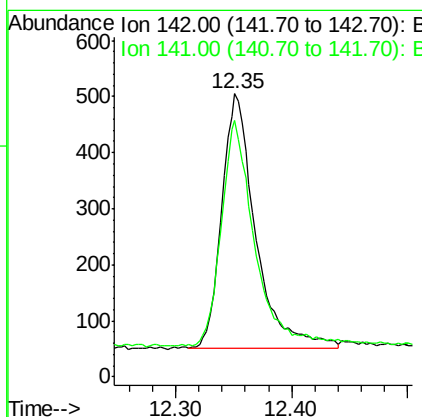
RT: 12.35 min Scan# 1750

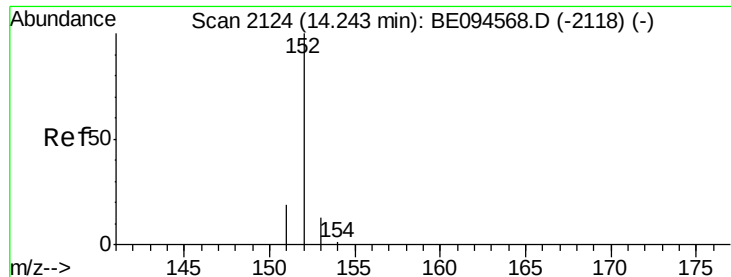
Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	142	Resp:	921
Ion Ratio	Lower	Upper	
142	100		
141	88.1	72.6	108.8





#7

Acenaphthylene

Concen: 0.044 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

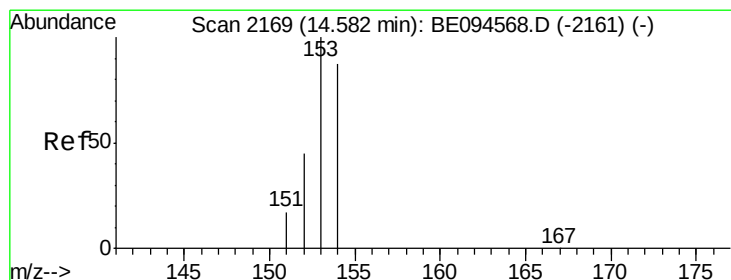
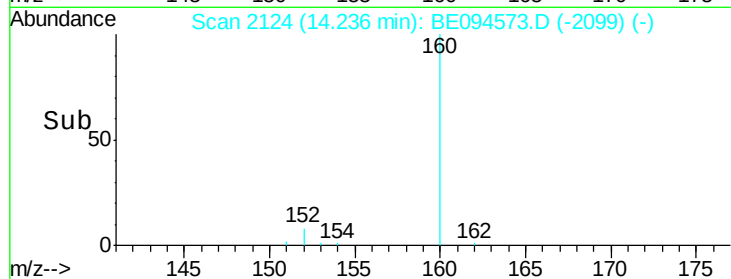
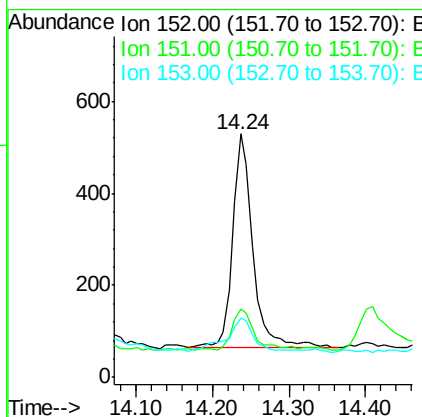
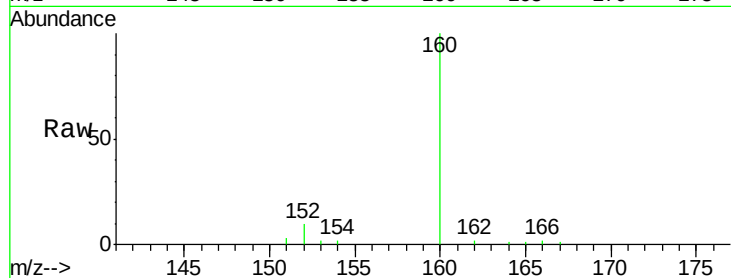
ClientSampleId :

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Tgt Ion:	152	Resp:	847
Ion Ratio	Lower	Upper	
152	100		
151	28.2	17.1	25.7#
153	24.6	12.8	19.2#

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#8

Acenaphthene

Concen: 0.030 ng/ul

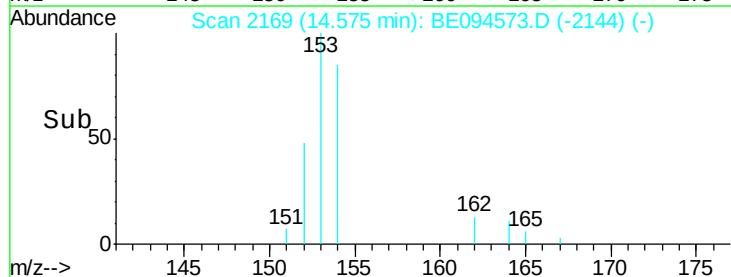
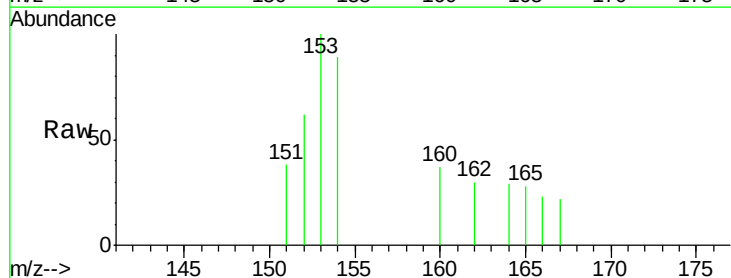
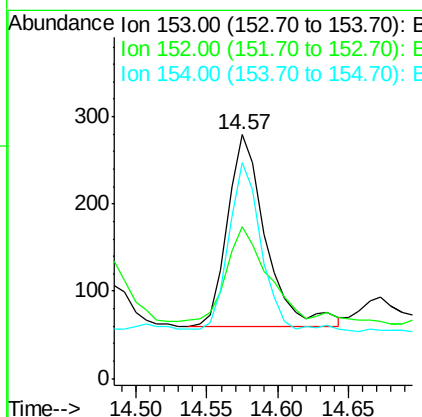
RT: 14.57 min Scan# 2169

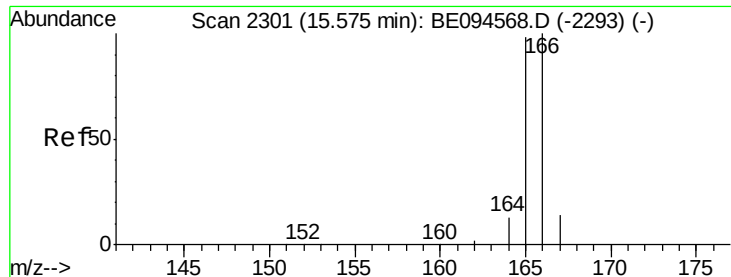
Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	153	Resp:	415
Ion Ratio	Lower	Upper	
153	100		
152	62.4	36.0	54.0#
154	88.9	72.0	108.0





#9

Fluorene

Concen: 0.035 ng/ul

RT: 15.57 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

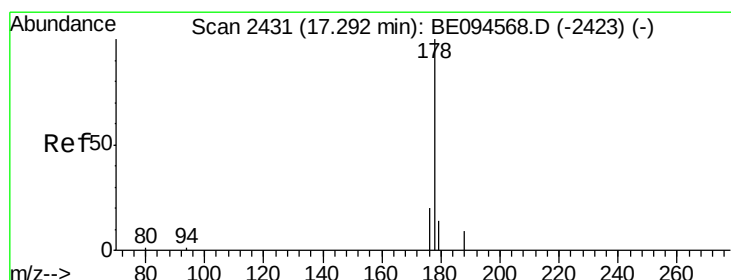
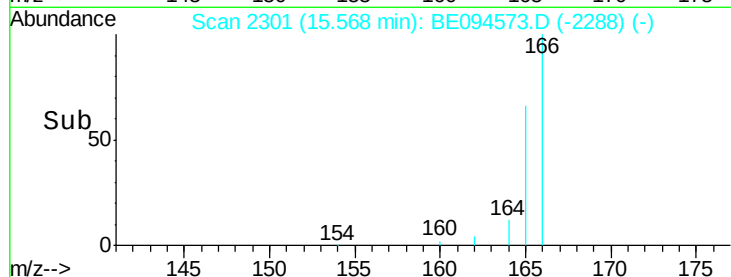
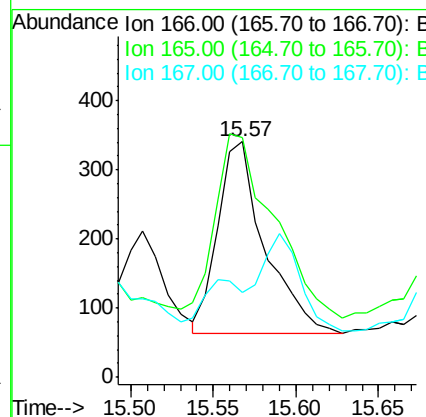
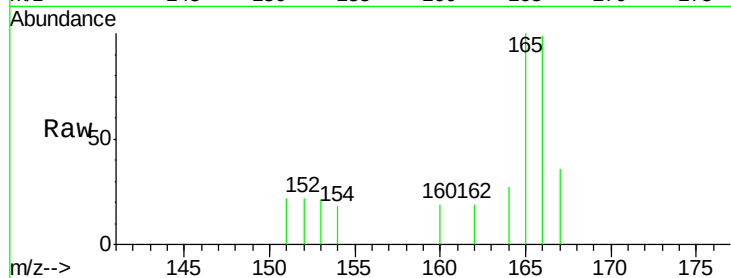
ClientSampleId :

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Tgt Ion:	166	Resp:	543
Ion Ratio	Lower	Upper	
166	100		
165	101.5	73.4	110.2
167	36.1	14.6	22.0#

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#12

Phenanthrene

Concen: 0.712 ng/ul

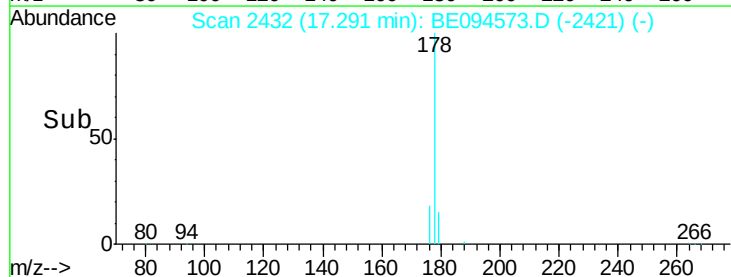
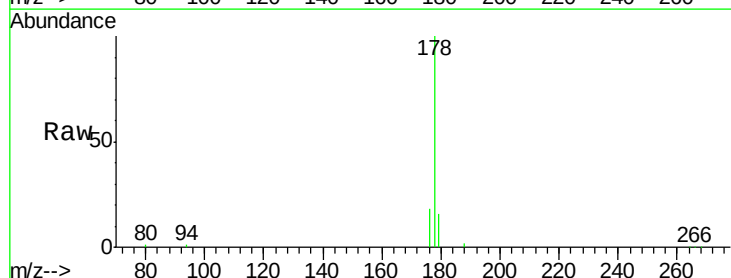
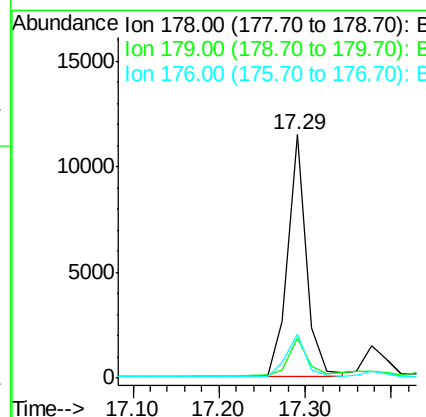
RT: 17.29 min Scan# 2432

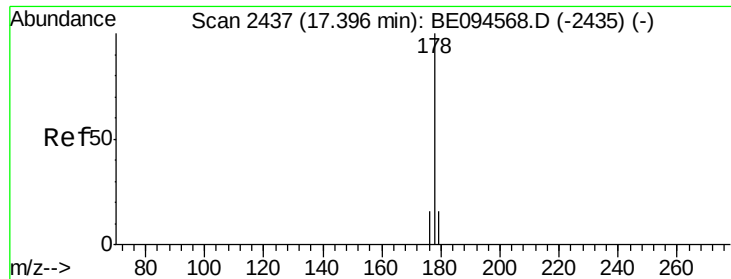
Delta R.T. -0.02 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	178	Resp:	17512
Ion Ratio	Lower	Upper	
178	100		
179	16.2	18.4	27.6#
176	18.2	13.6	20.4





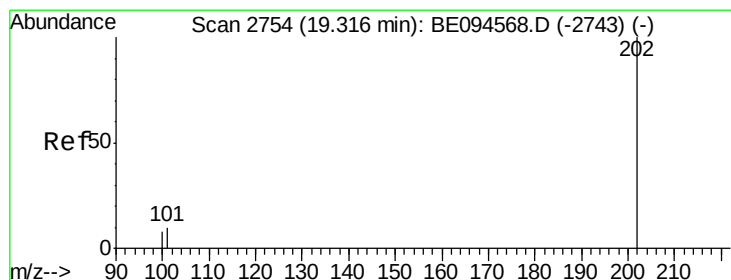
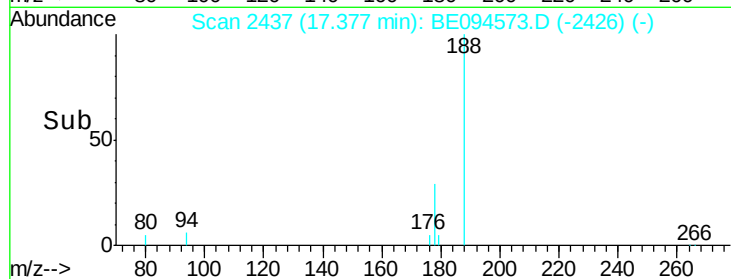
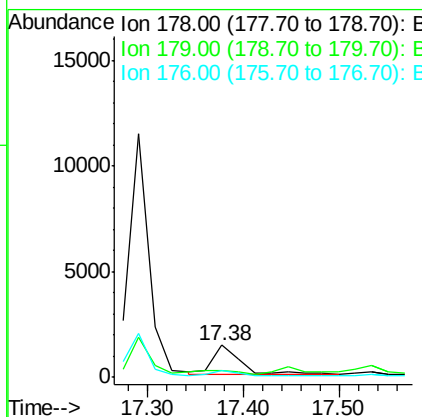
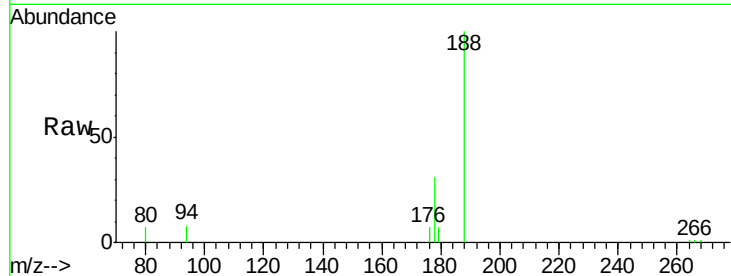
#13
 Anthracene
 Concen: 0.114 ng/ul
 RT: 17.38 min Scan# 2437
 Delta R.T. -0.02 min
 Lab File: BE094573.D
 Acq: 26 Oct 2017 21:41

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.5	18.1	27.1
176	22.5	14.7	22.1

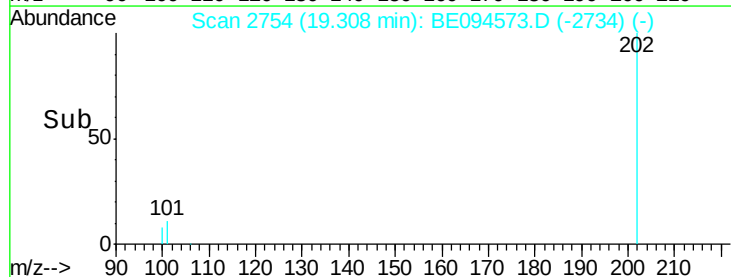
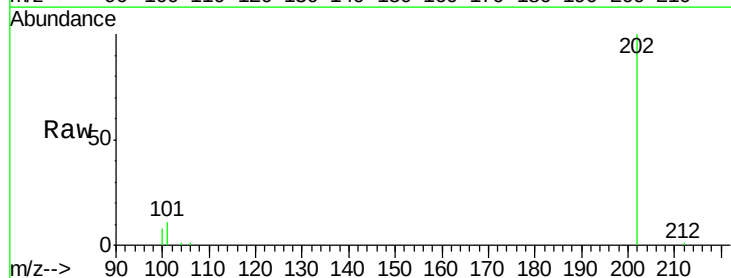
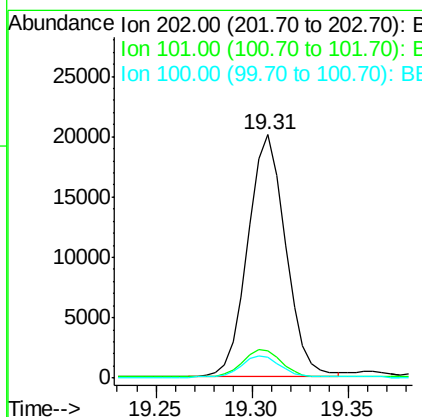
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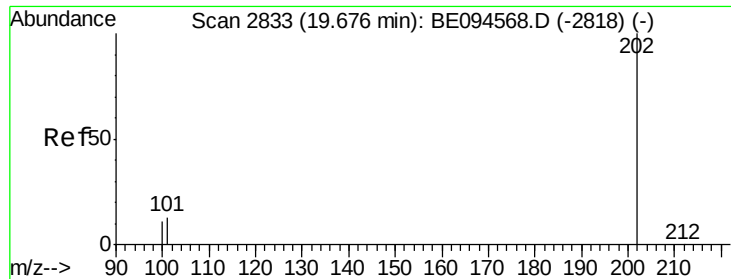
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#15
 Fluoranthene
 Concen: 0.953 ng/ul
 RT: 19.31 min Scan# 2754
 Delta R.T. -0.01 min
 Lab File: BE094573.D
 Acq: 26 Oct 2017 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.3
100	8.4	0.0	39.5





#17

Pyrene

Concen: 0.947 ng/ul

RT: 19.67 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

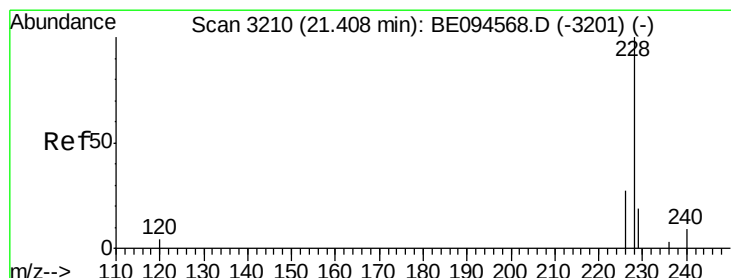
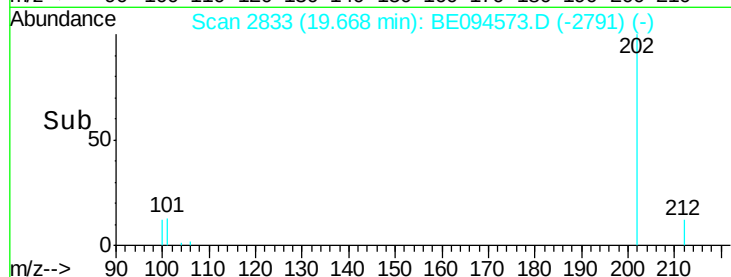
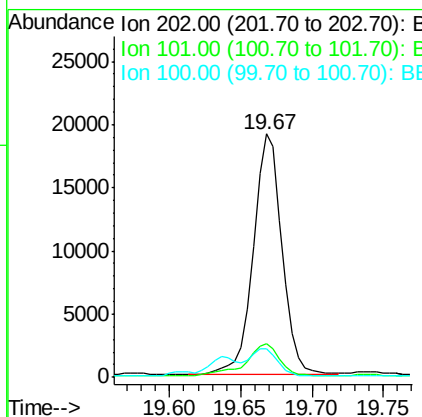
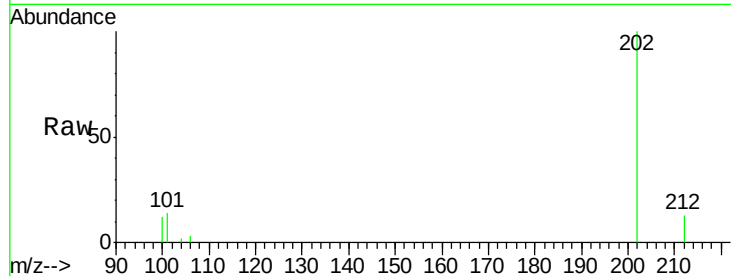
ClientSampleId :

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Tgt Ion:	202	Resp:	27001
Ion Ratio	Lower	Upper	
202	100		
101	13.9	18.2	27.4#
100	12.0	15.6	23.4#

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#18

Benzo(a)anthracene

Concen: 0.500 ng/ul

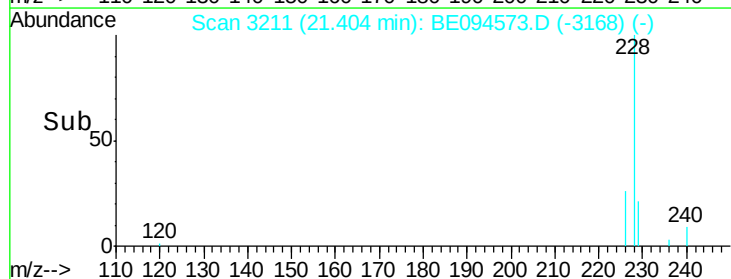
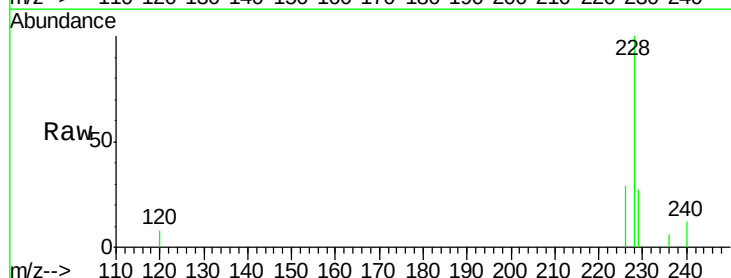
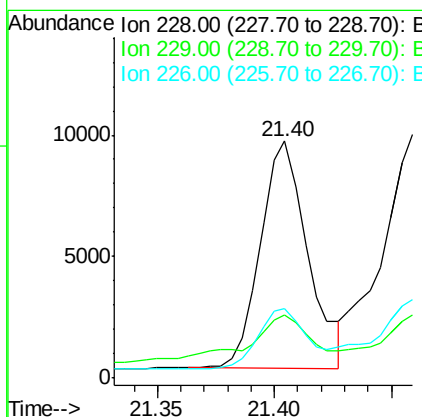
RT: 21.40 min Scan# 3211

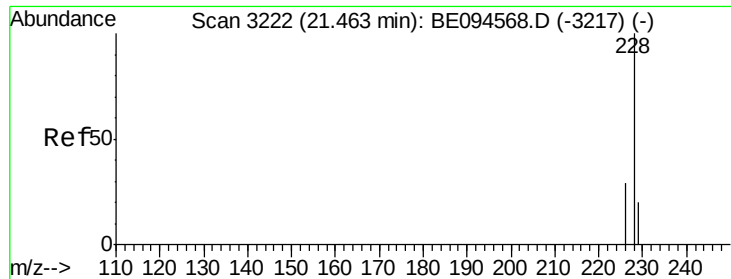
Delta R.T. -0.00 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	228	Resp:	13169
Ion Ratio	Lower	Upper	
228	100		
229	26.8	22.8	34.2
226	29.1	17.0	25.6#





#19

Chrysene

Concen: 0.584 ng/ul

RT: 21.46 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

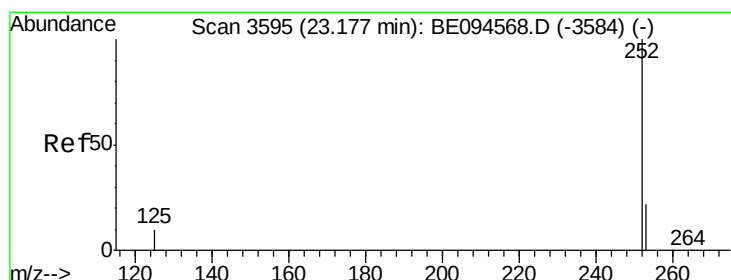
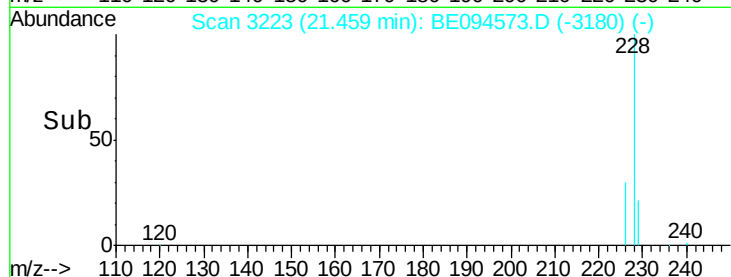
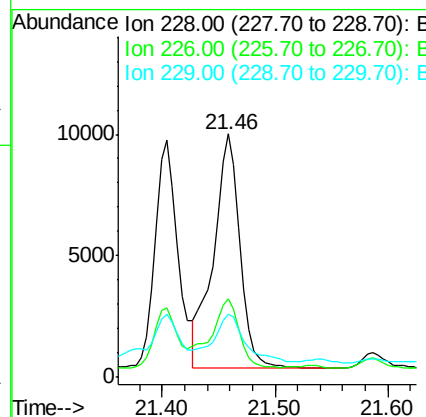
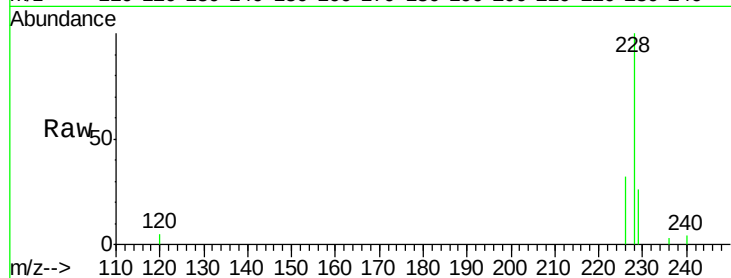
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Tgt	Ion	228	Resp:	15916
	Ion	Ratio	Lower	Upper
	228	100		
	226	32.2	23.4	35.0
	229	26.2	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 0.691 ng/ul m

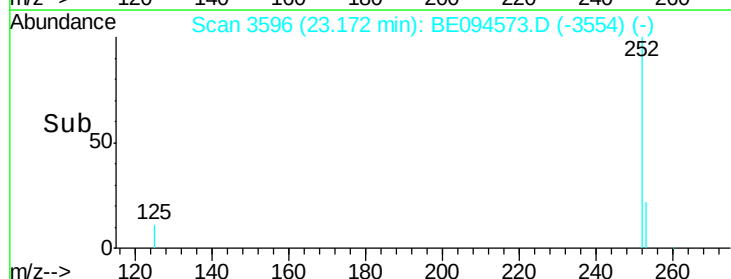
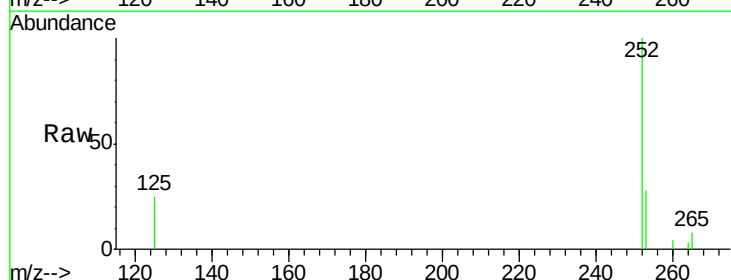
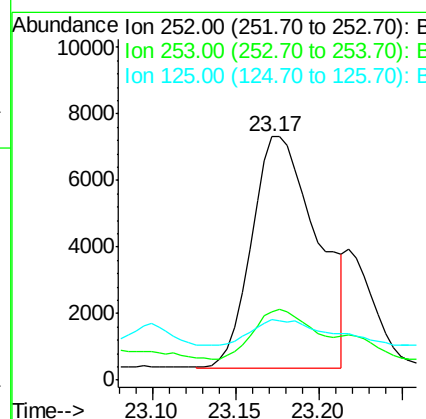
RT: 23.17 min Scan# 3596

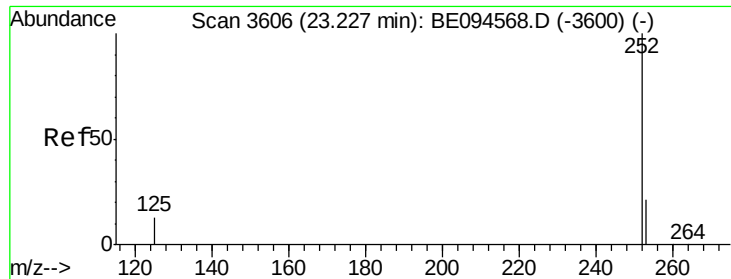
Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt	Ion	252	Resp:	19102
	Ion	Ratio	Lower	Upper
	252	100		
	253	28.2	0.0	64.2
	125	24.6	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.145 ng/ul m

RT: 23.22 min Scan# 3606

Delta R.T. -0.01 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

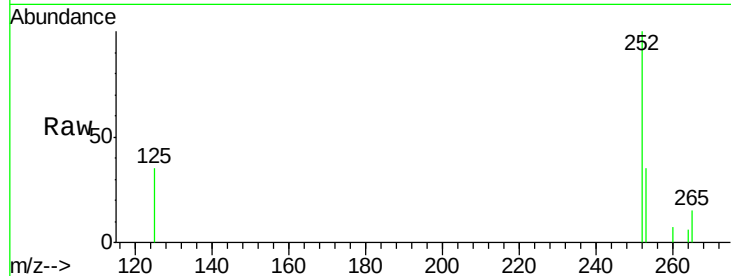
ClientSampleId :

B-19(2-4)_101117

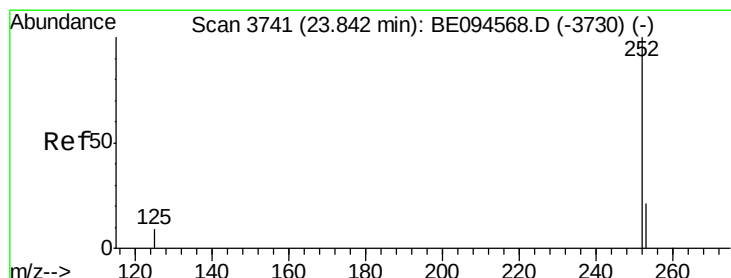
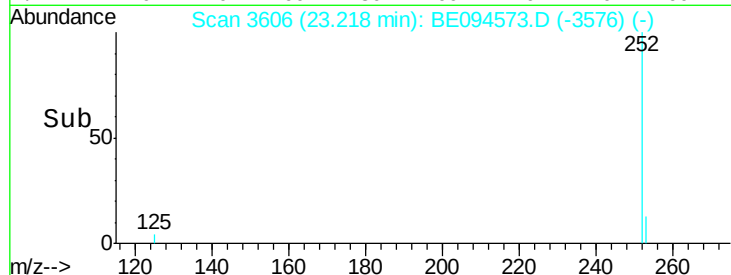
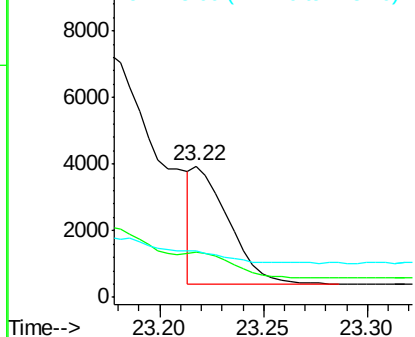
Tgt Ion:	252	Resp:	4295
Ion Ratio	Lower	Upper	
252	100		
253	34.5	24.5	36.7
125	35.1	13.7	20.5#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 0.449 ng/ul

RT: 23.84 min Scan# 3742

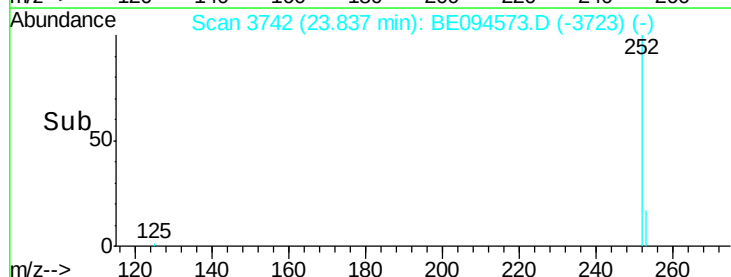
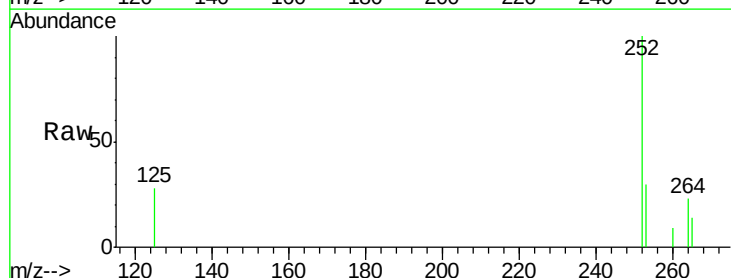
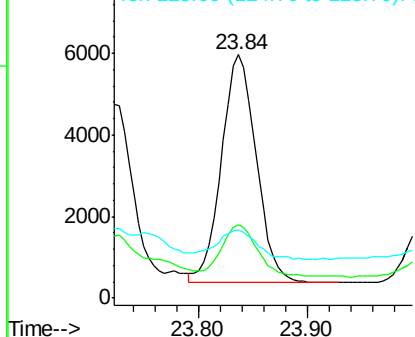
Delta R.T. -0.01 min

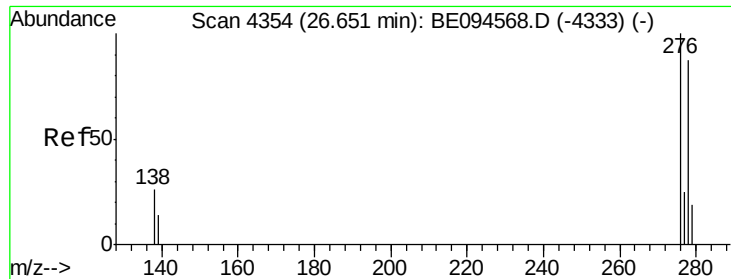
Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	252	Resp:	12392
Ion Ratio	Lower	Upper	
252	100		
253	30.0	28.5	42.7
125	27.8	18.1	27.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng/ul

RT: 26.65 min Scan# 4355

Delta R.T. -0.01 min

Lab File: BE094573.D

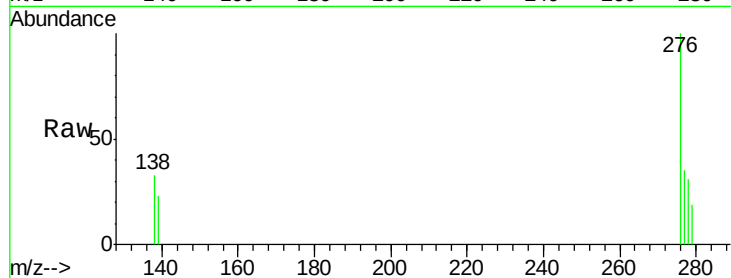
Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

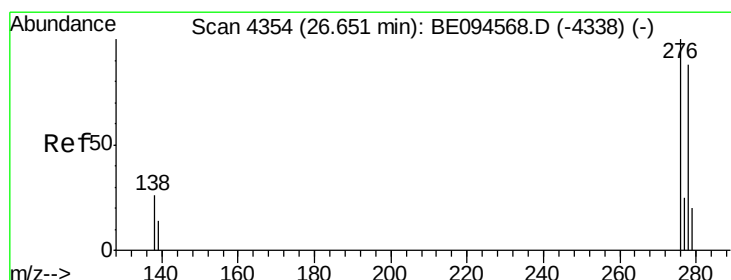
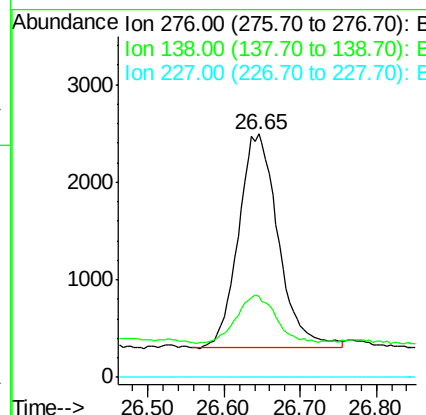
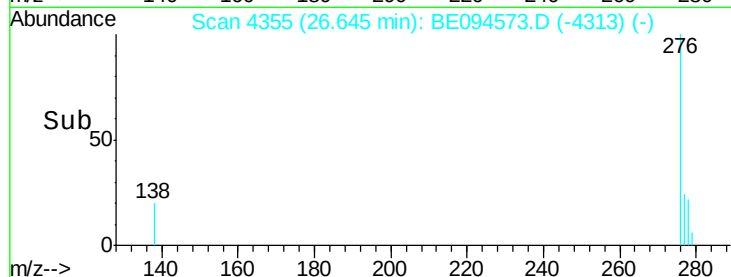
B-19(2-4)_101117



Tgt Ion:	276	Resp:	7997
Ion Ratio	Lower	Upper	
276	100		
138	22.9	28.0	42.0#
227	0.0	8.0	12.0#

Manual Integrations
APPROVED

Sohil
10/27/2017 5:35:41 PM



#25

Dibenzo(a,h)anthracene

Concen: 0.090 ng/ul

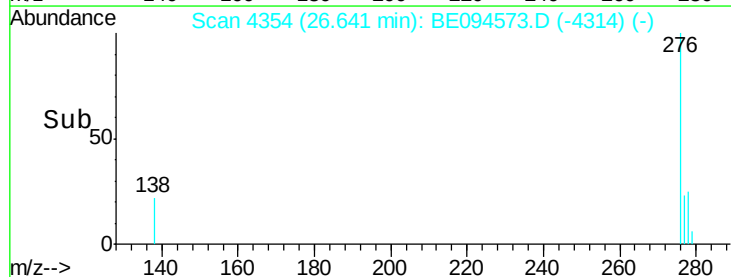
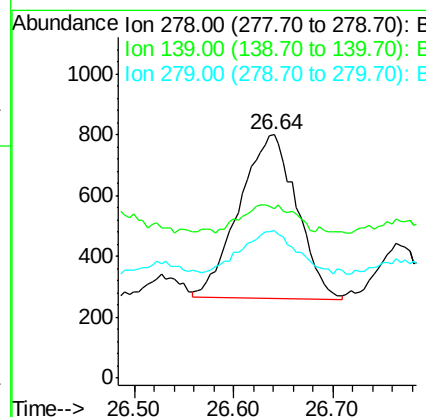
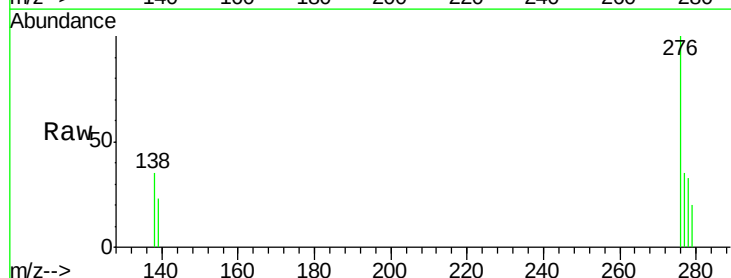
RT: 26.64 min Scan# 4354

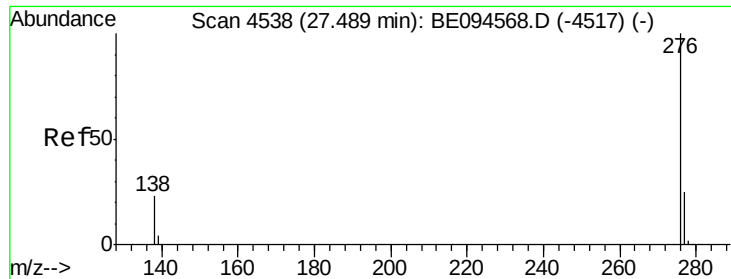
Delta R.T. -0.02 min

Lab File: BE094573.D

Acq: 26 Oct 2017 21:41

Tgt Ion:	278	Resp:	2169
Ion Ratio	Lower	Upper	
278	100		
139	69.4	17.4	26.0#
279	60.8	25.9	38.9#





#26

Benzo(g,h,i)perylene

Concen: 0.305 ng/ul

RT: 27.48 min Scan# 4539

Delta R.T. -0.01 min

Lab File: BE094573.D

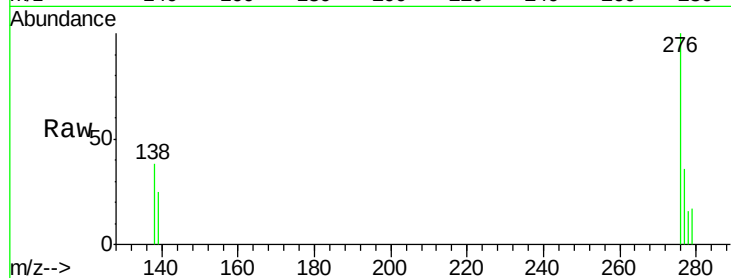
Acq: 26 Oct 2017 21:41

Instrument :

BNA_E

ClientSampleId :

B-19(2-4)_101117



Tgt Ion: 276 Resp: 6991

Ion Ratio Lower Upper

276 100

138 38.4 21.8 32.8#

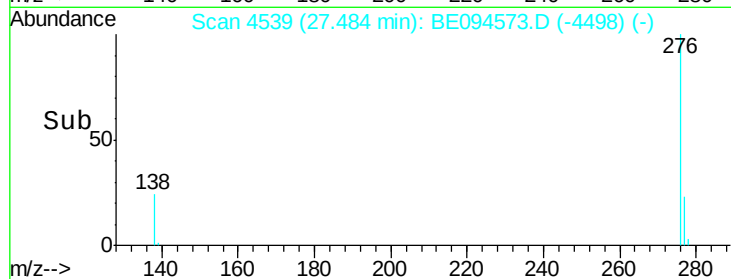
277 36.2 20.5 30.7#

Manual Integrations

APPROVED

Sohil

10/27/2017 5:35:41 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

