

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
 Data File : BE095278.D
 Acq On : 30 Jan 2018 10:40
 Operator : SJ/JU
 Sample : J1174-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F6A47

Manual Integrations
 APPROVED

Sohil
 1/31/2018 8:27:56 PM

Quant Time: Jan 31 02:01:57 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 01:22:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.44	152	2990	0.40	ng/ul	0.00
2) Naphthalene-d8	11.26	136	8912	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.02	164	7133m	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	9679m	0.40	ng/ul	0.02
16) Chrysene-d12	21.81	240	9709	0.40	ng/ul	0.00
20) Perylene-d12	24.46	264	8693m	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.81	152	4396	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.71	212	6567	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.31	128	7036	0.282	ng/ul#	76
5) 2-Methylnaphthalene	12.89	142	62447	3.747	ng/ul	99
7) Acenaphthylene	14.75	152	45733	1.332	ng/ul#	82
8) Acenaphthene	15.08	153	81209	3.050	ng/ul	92
9) Fluorene	16.05	166	60678	2.210	ng/ul#	94
11) Pentachlorophenol	17.38	266	22100	11.789	ng/ul	98
12) Phenanthrene	17.75	178	151961	4.668	ng/ul#	88
13) Anthracene	17.84	178	94137m	3.159	ng/ul	
15) Fluoranthene	19.73	202	375096	8.899	ng/ul	81
17) Pyrene	20.09	202	670984	20.596	ng/ul#	76
18) Benzo(a)anthracene	21.80	228	146939	4.841	ng/ul#	90
19) Chrysene	21.83	228	182413	5.787	ng/ul#	87
21) Benzo(b)fluoranthene	23.64	252	343382m	11.196	ng/ul	
22) Benzo(k)fluoranthene	23.69	252	66932m	2.386	ng/ul	
23) Benzo(a)pyrene	24.35	252	244026m	8.911	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.29	276	163597m	5.447	ng/ul	
25) Dibenzo(a,h)anthracene	27.30	278	31552m	1.284	ng/ul	
26) Benzo(g,h,i)perylene	28.17	276	164750m	6.479	ng/ul	

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

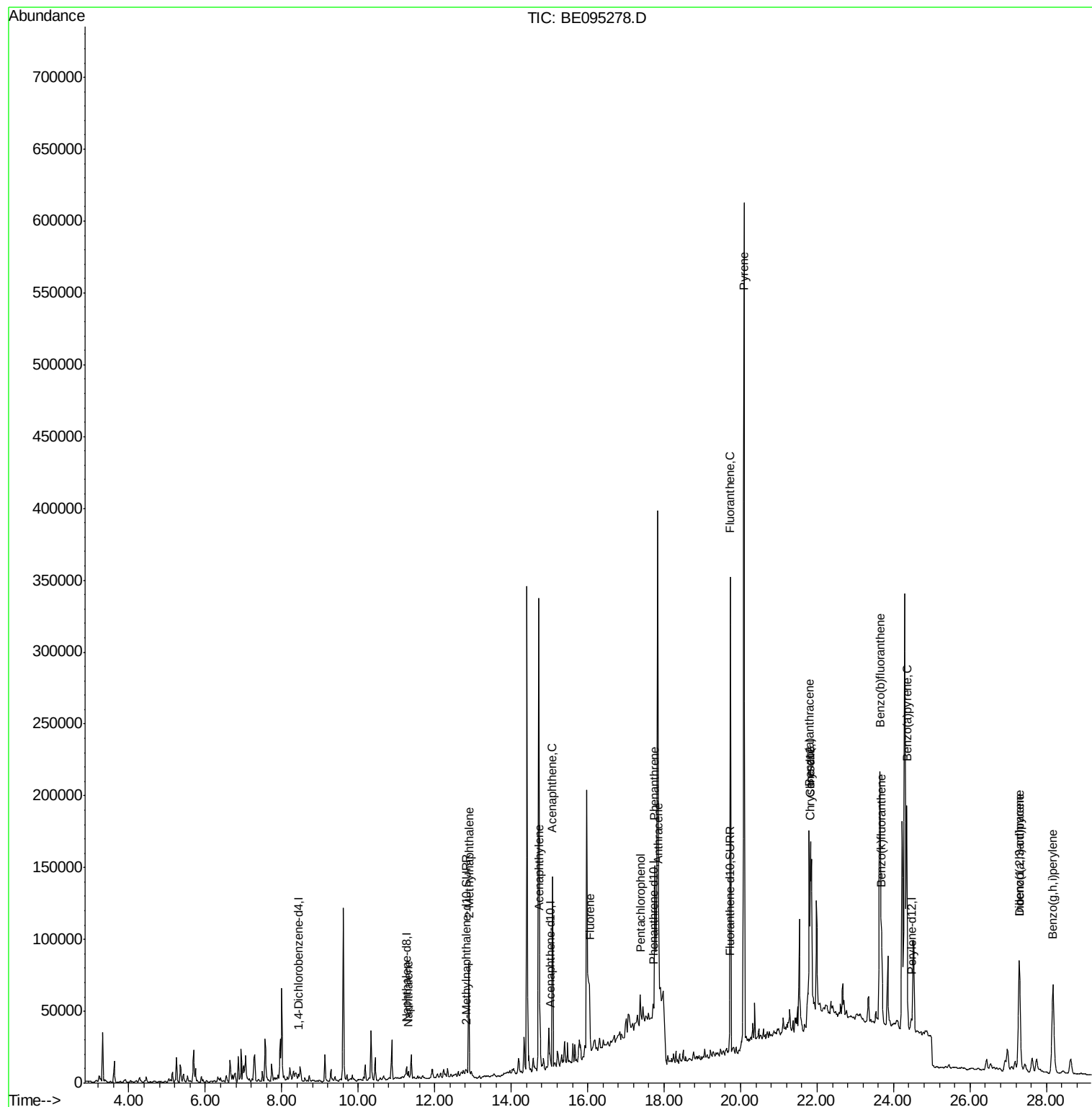
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
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ALS Vial : 5 Sample Multiplier: 1

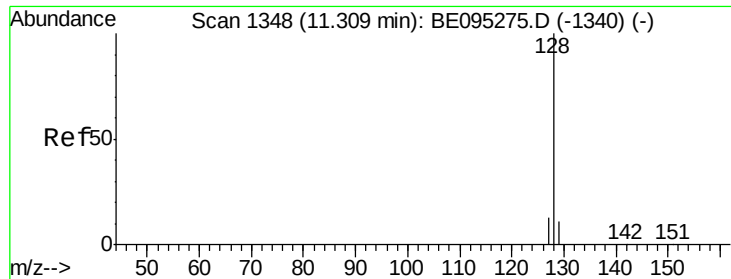
Instrument :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
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#3

Naphthalene

Concen: 0.282 ng/ul

RT: 11.31 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Instrument :

BNA_E

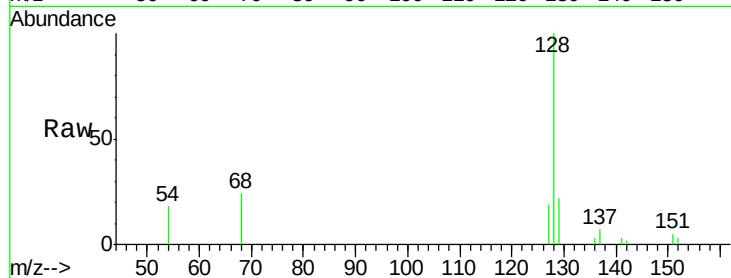
ClientSampled :

F6A47

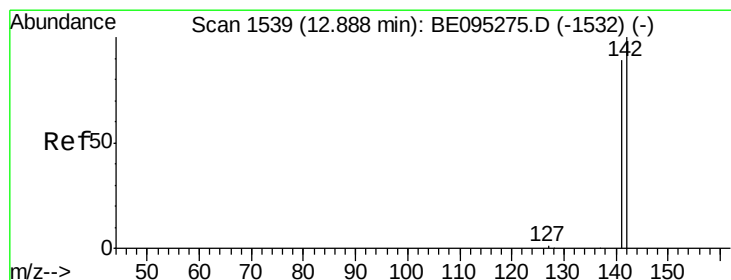
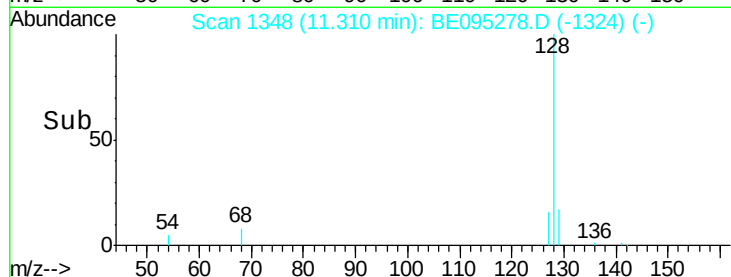
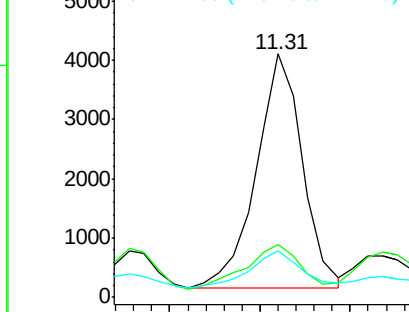
Tot Ion:128	Resp:	7036
Ion Ratio	Lower	Upper
128 100		
129 21.5	11.3	16.9#
127 18.9	4.0	6.0#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 3.747 ng/ul

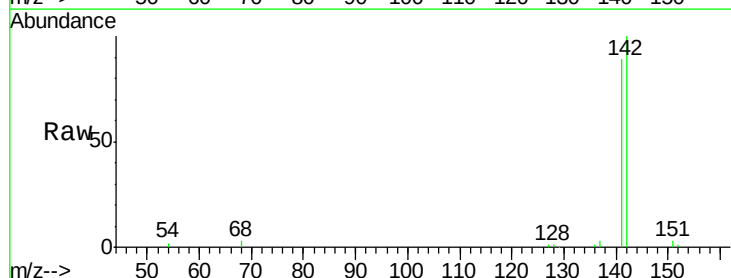
RT: 12.89 min Scan# 1539

Delta R.T. 0.00 min

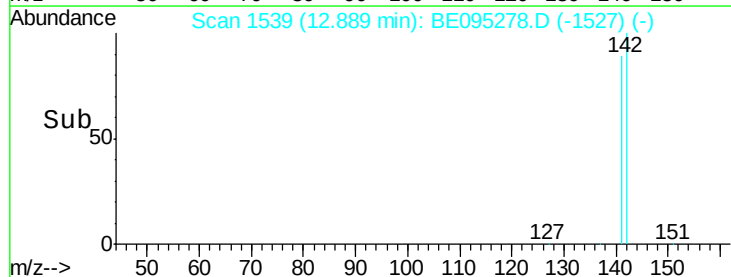
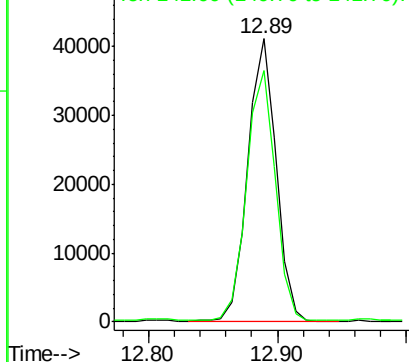
Lab File: BE095278.D

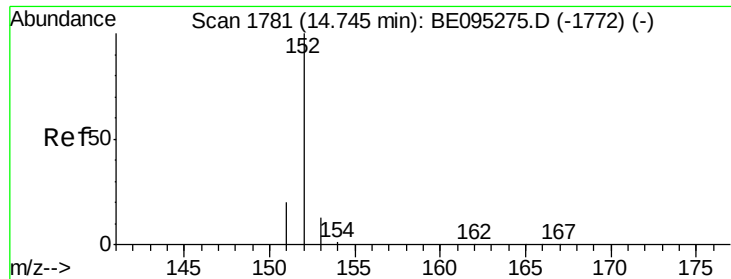
Acq: 30 Jan 2018 10:40

Tgt Ion:142	Resp:	62447
Ion Ratio	Lower	Upper
142 100		
141 90.0	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.332 ng/ul

RT: 14.75 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Instrument :

BNA_E

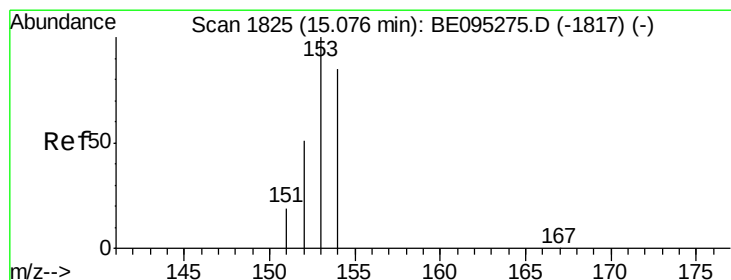
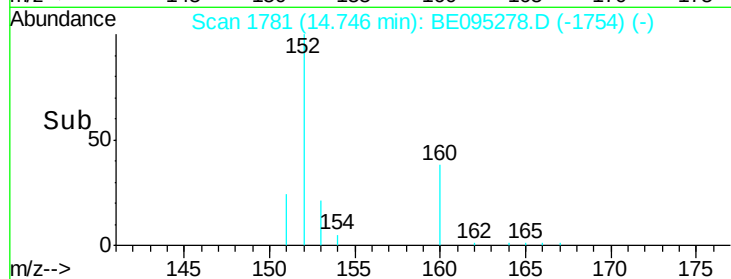
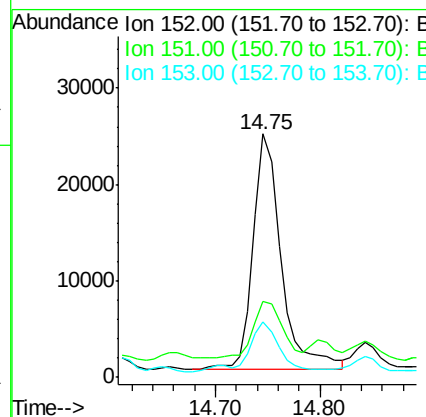
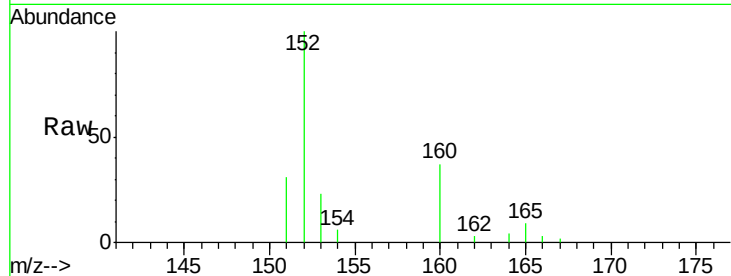
ClientSampled :

F6A47

Tot Ion:	152	Resp:	45733
Ion Ratio	Lower	Upper	
152	100		
151	31.1	17.1	25.7#
153	22.7	12.8	19.2#

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#8

Acenaphthene

Concen: 3.050 ng/ul

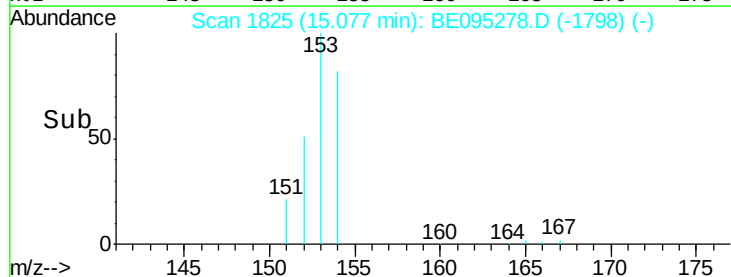
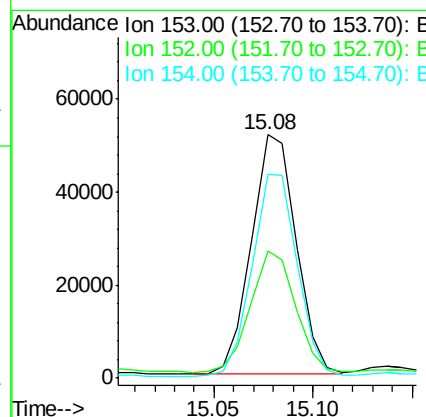
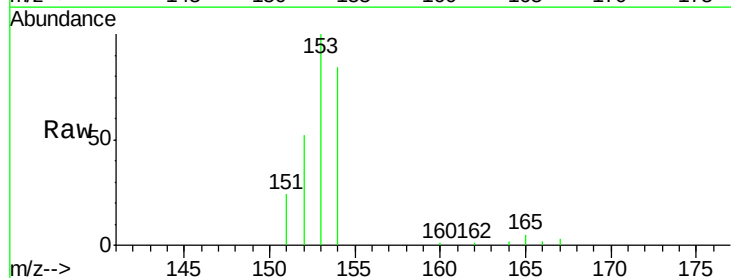
RT: 15.08 min Scan# 1825

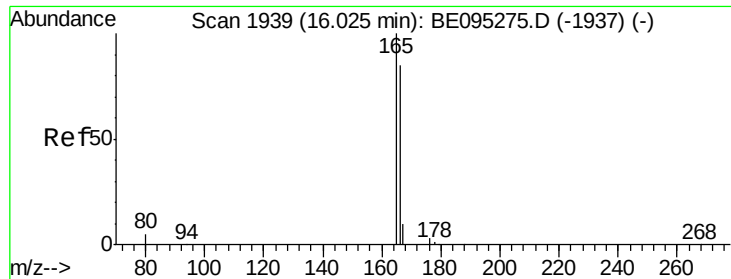
Delta R.T. 0.00 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Tgt Ion:	153	Resp:	81209
Ion Ratio	Lower	Upper	
153	100		
152	52.0	36.0	54.0
154	83.7	72.0	108.0





#9

Fluorene

Concen: 2.210 ng/ul

RT: 16.05 min Scan# 1940

Delta R.T. 0.02 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Instrument :

BNA_E

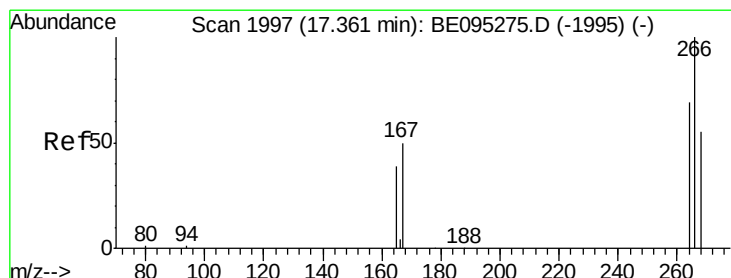
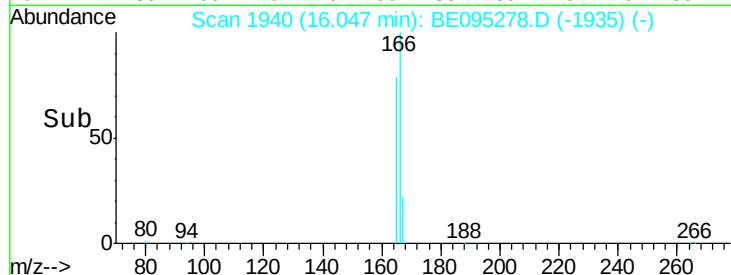
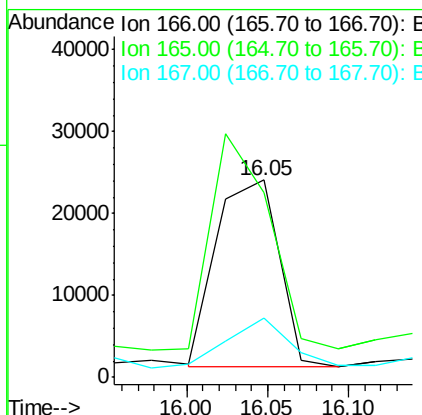
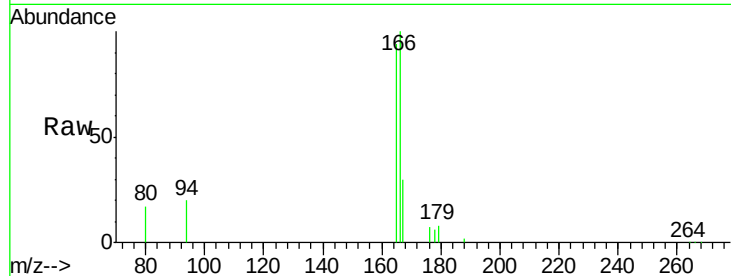
ClientSampleId :

F6A47

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.6	73.4	110.2
167	30.1	14.6	22.0

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#11

Pentachlorophenol

Concen: 11.789 ng/ul

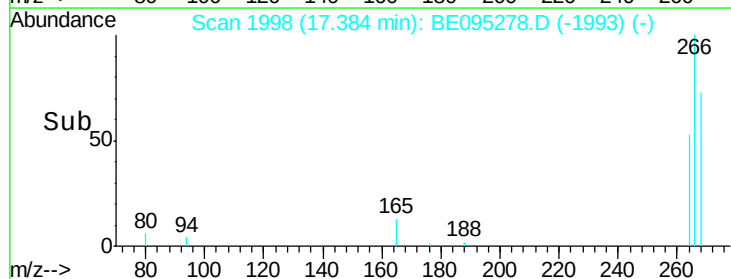
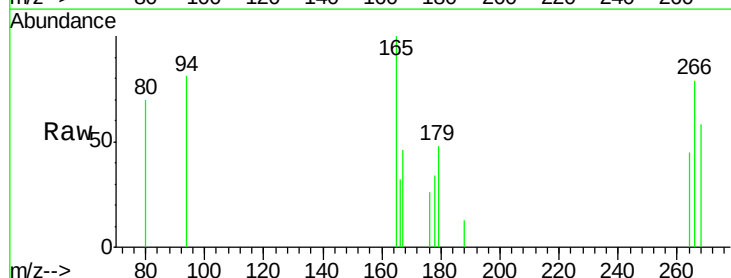
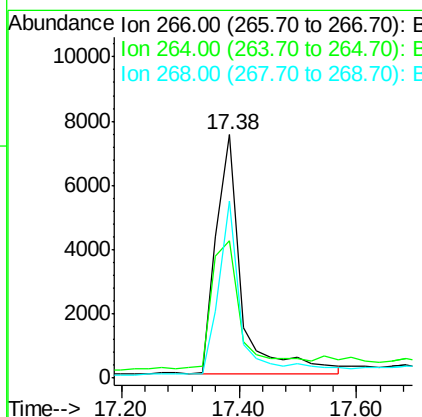
RT: 17.38 min Scan# 1998

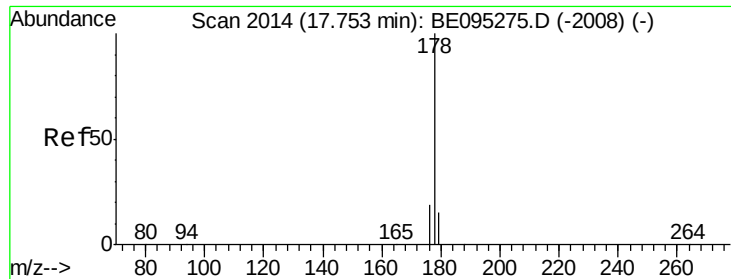
Delta R.T. 0.02 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.3	47.9	71.9
268	64.6	49.8	74.8





#12

Phenanthrene

Concen: 4.668 ng/ul

RT: 17.75 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Instrument :

BNA_E

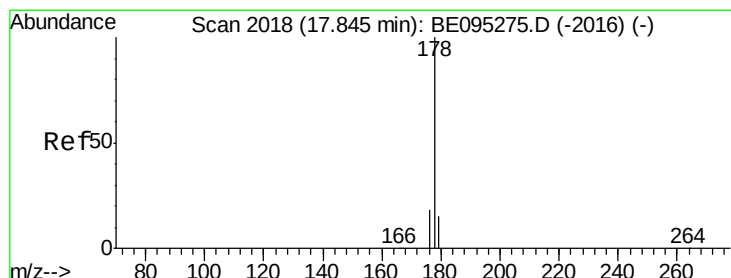
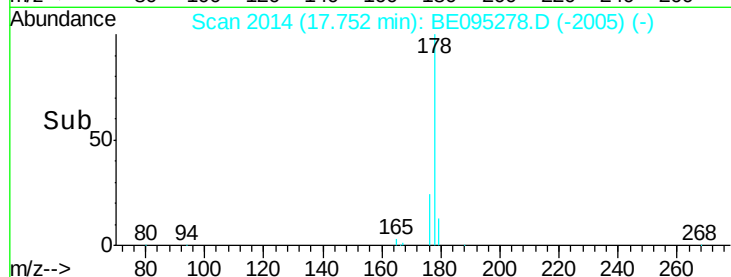
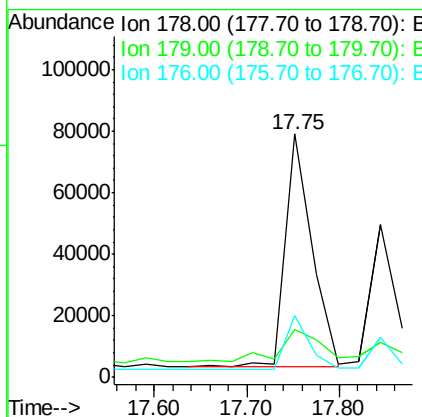
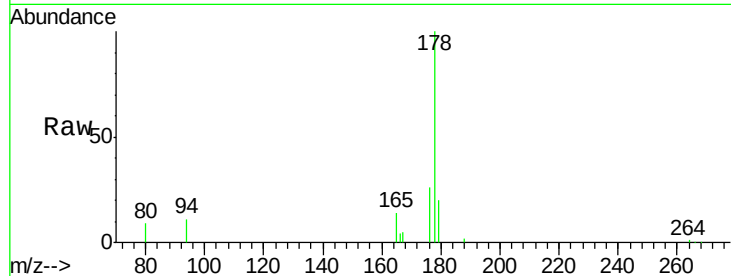
ClientSampled :

F6A47

Tot Ion:178	Resp:	151961
Ion Ratio	Lower	Upper
178	100	
179	19.6	18.4 27.6
176	25.6	13.6 20.4#

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#13

Anthracene

Concen: 3.159 ng/ul m

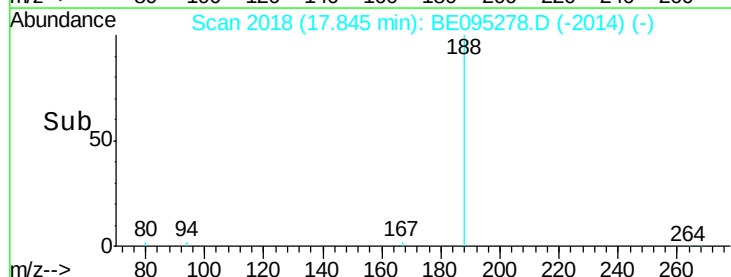
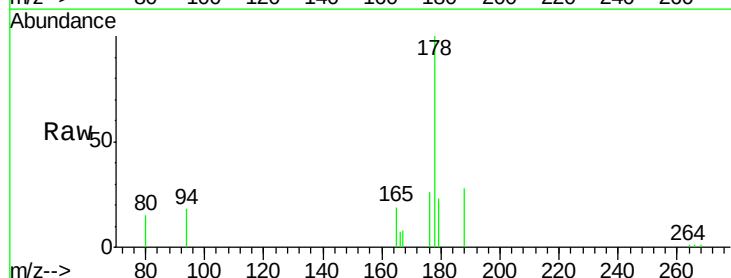
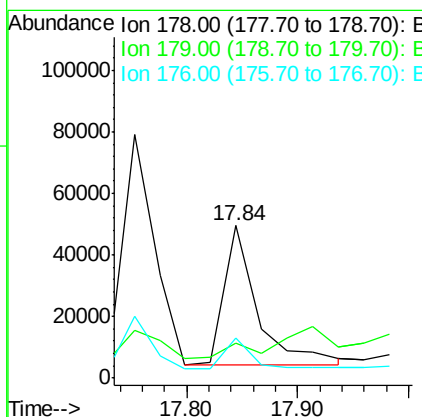
RT: 17.84 min Scan# 2018

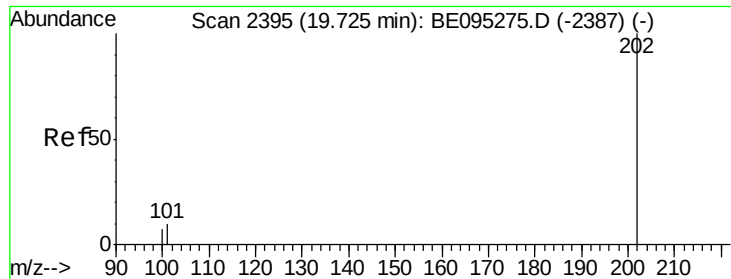
Delta R.T. -0.00 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Tgt Ion:178	Resp:	94137
Ion Ratio	Lower	Upper
178	100	
179	23.2	18.1 27.1
176	25.9	14.7 22.1#





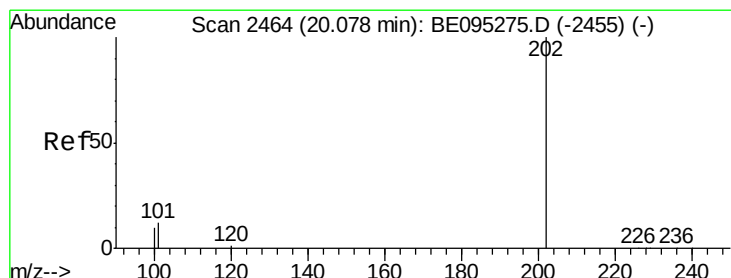
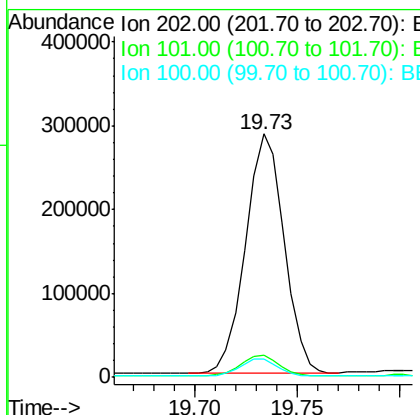
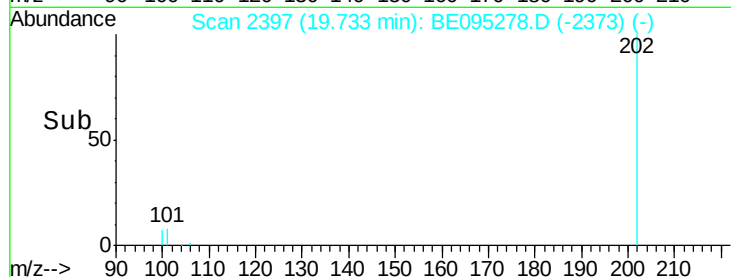
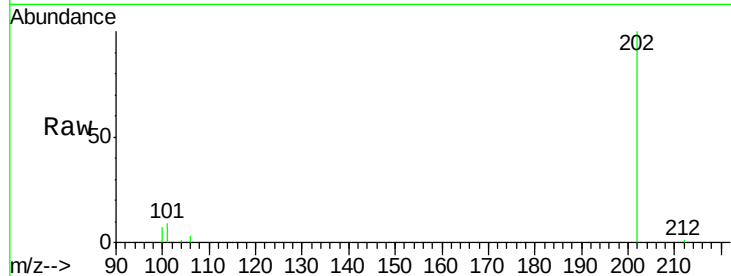
#15
Fluoranthene
Concen: 8.899 ng/ul
RT: 19.73 min Scan# 2397
Delta R.T. 0.01 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	375096		
101	8.9	0.0	30.3	
100	7.3	0.0	39.5	

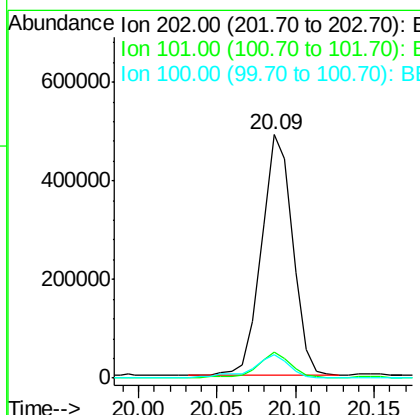
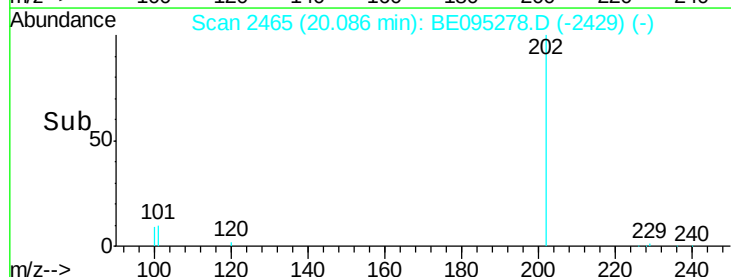
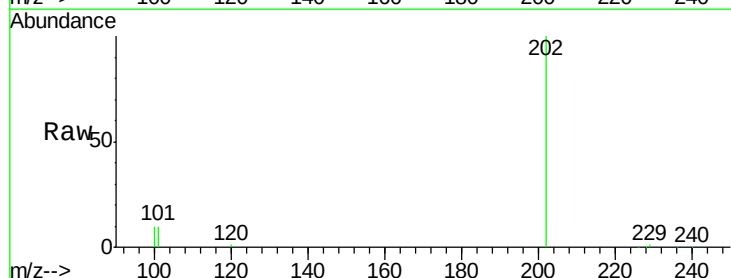
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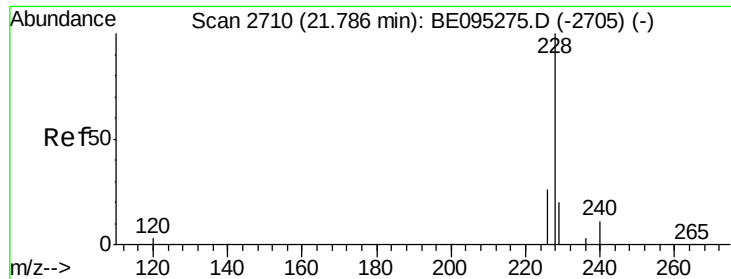
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#17
Pyrene
Concen: 20.596 ng/ul
RT: 20.09 min Scan# 2465
Delta R.T. 0.01 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	670984		
101	10.4	18.2	27.4#	
100	9.6	15.6	23.4#	





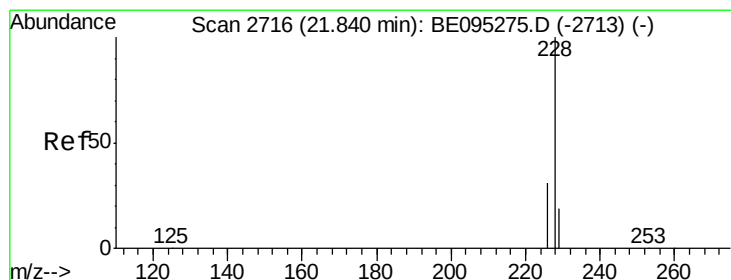
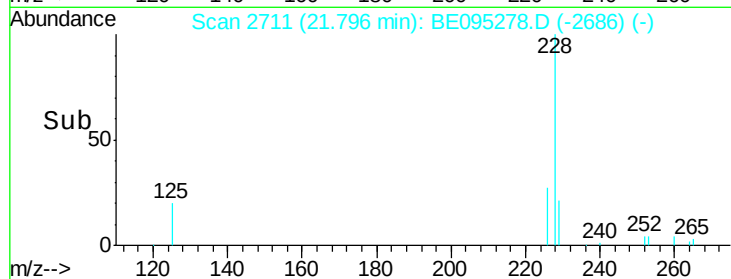
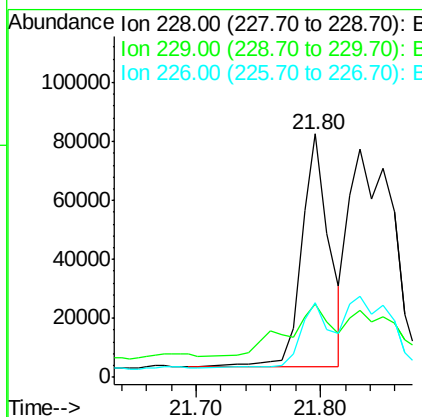
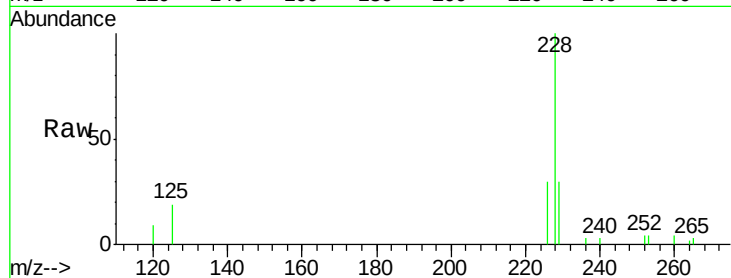
#18
Benzo(a)anthracene
Concen: 4.841 ng/ul
RT: 21.80 min Scan# 2711
Delta R.T. 0.01 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Instrument :
BNA_E
ClientSampled :
F6A47

Tot Ion	Ratio	Lower	Upper
228	100		
229	30.4	22.8	34.2
226	30.4	17.0	25.6

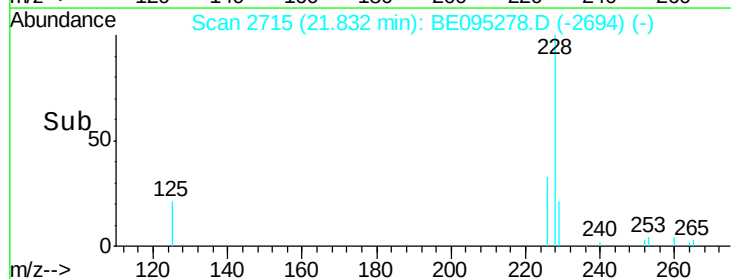
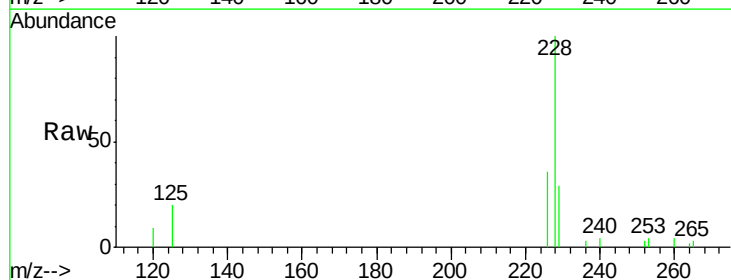
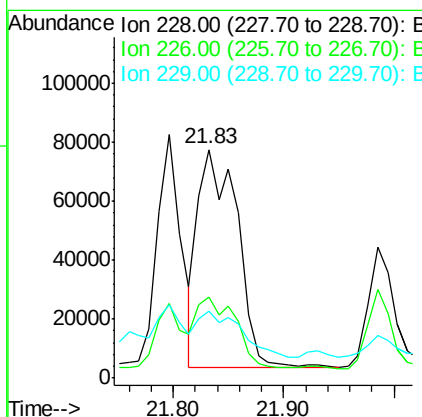
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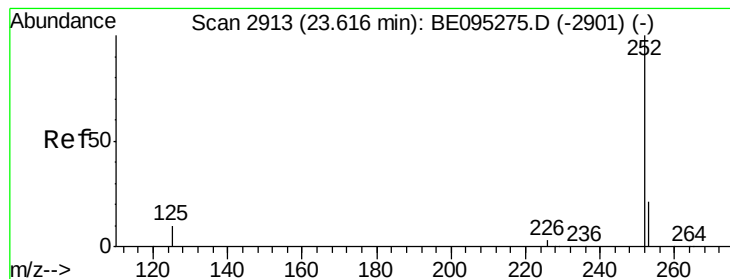
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#19
Chrysene
Concen: 5.787 ng/ul
RT: 21.83 min Scan# 2715
Delta R.T. -0.01 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.6	23.4	35.0
229	29.1	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 11.196 ng/ul m

RT: 23.64 min Scan# 2916

Delta R.T. 0.03 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Instrument :

BNA_E

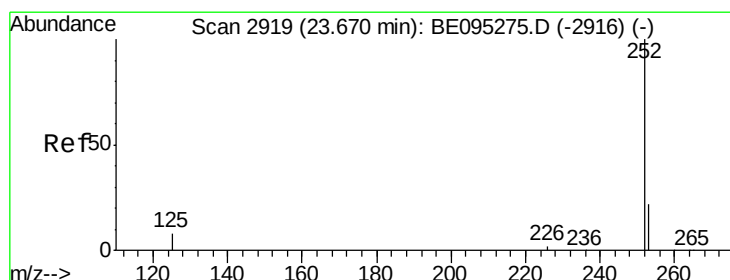
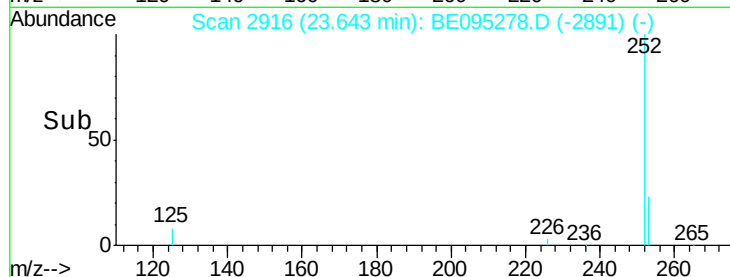
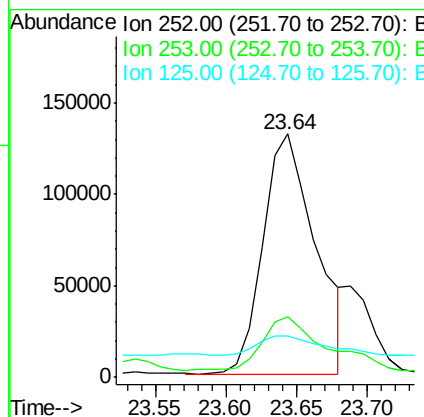
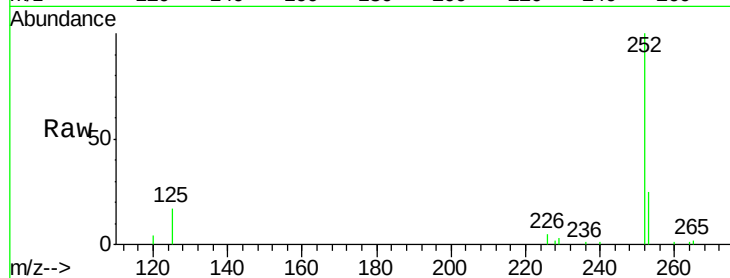
ClientSampleId :

F6A47

Tot Ion	Ratio	Resp	Lower	Upper
252	100	343382		
253	24.7	0.0	64.2	
125	16.8	0.0	35.0	

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#22

Benzo(k)fluoranthene

Concen: 2.386 ng/ul m

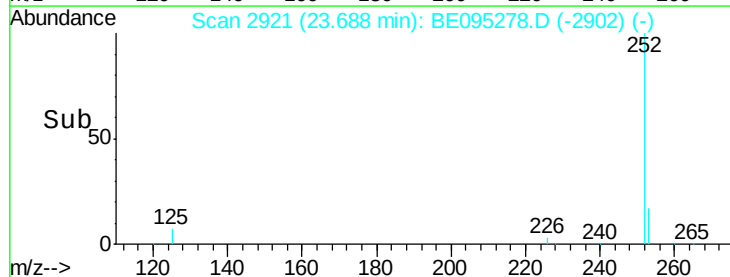
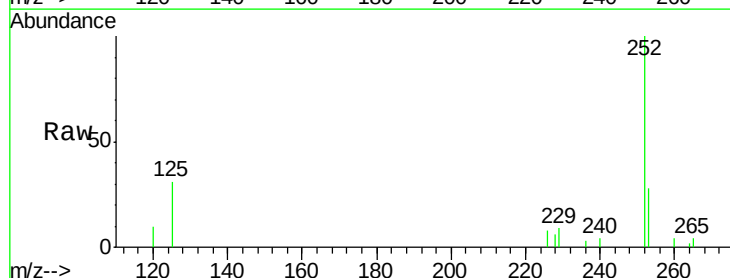
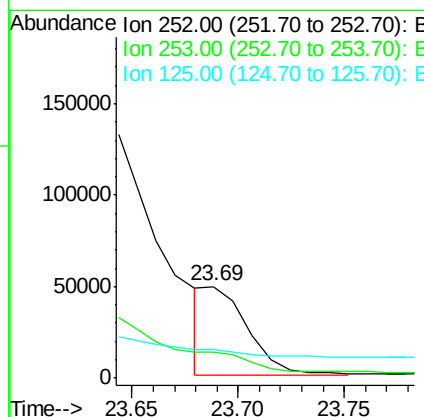
RT: 23.69 min Scan# 2921

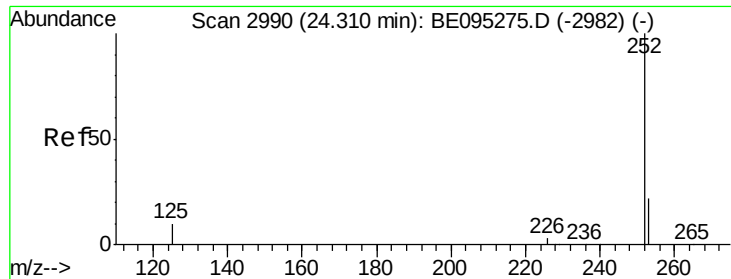
Delta R.T. 0.02 min

Lab File: BE095278.D

Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66932		
253	28.1	24.5	36.7	
125	30.5	13.7	20.5	





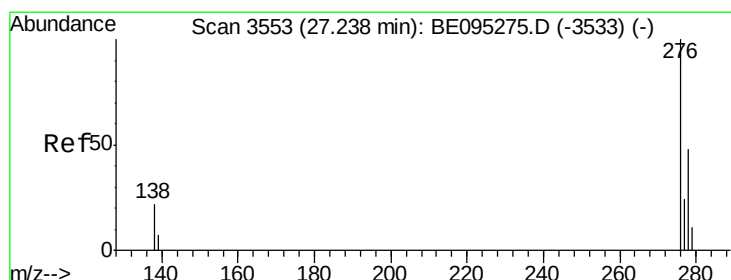
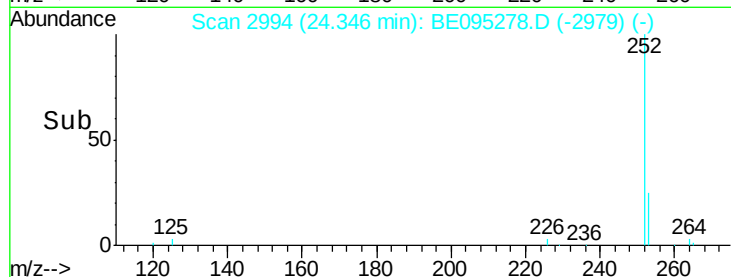
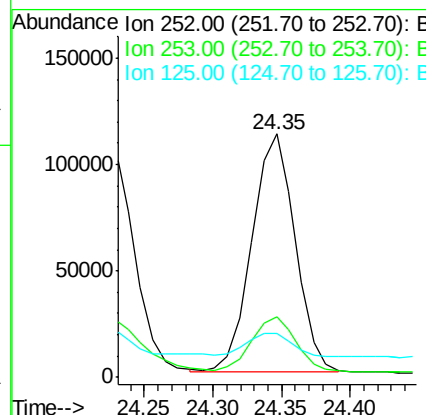
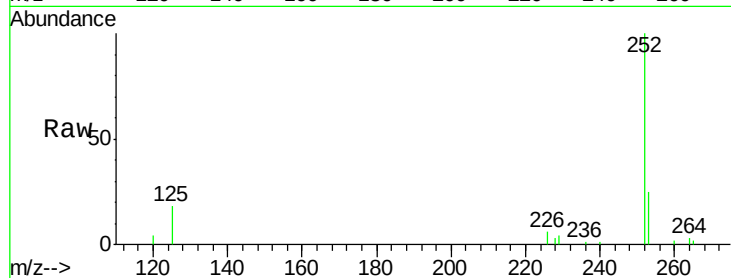
#23
Benzo(a)pyrene
Concen: 8.911 ng/ul m
RT: 24.35 min Scan# 2994
Delta R.T. 0.04 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Instrument :
BNA_E
ClientSampleId :
F6A47

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.9	28.5	42.7#
125	18.0	18.1	27.1#

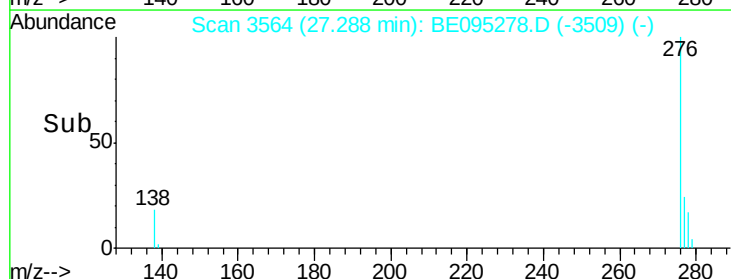
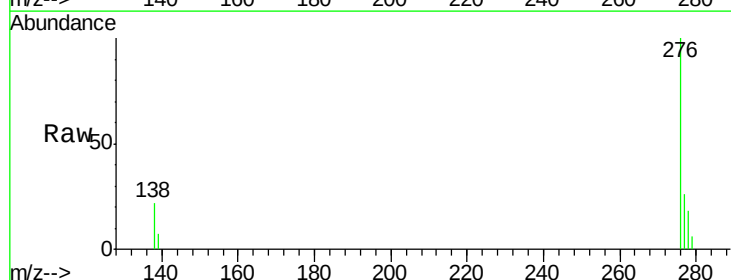
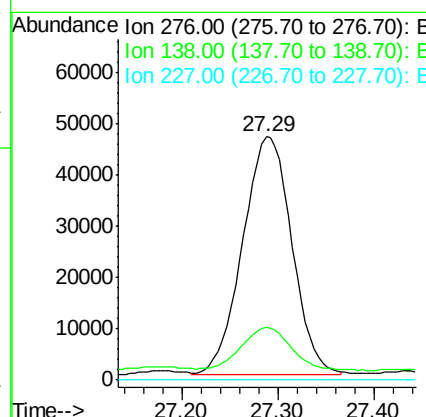
Manual Integrations
APPROVED

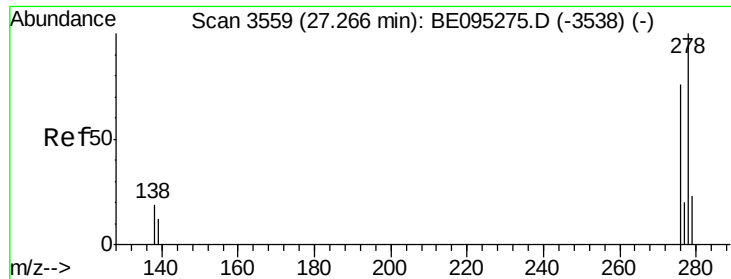
Sohil
1/31/2018 8:27:56 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 5.447 ng/ul m
RT: 27.29 min Scan# 3564
Delta R.T. 0.05 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	0.8	28.0	42.0#
227	0.0	8.0	12.0#





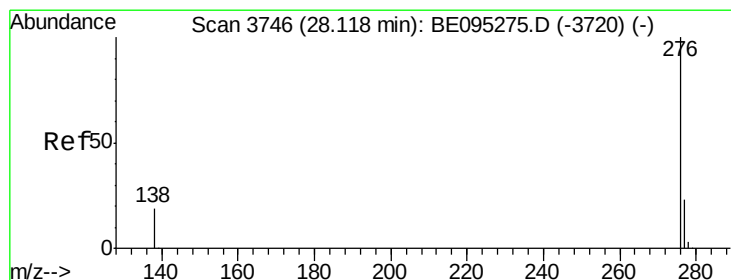
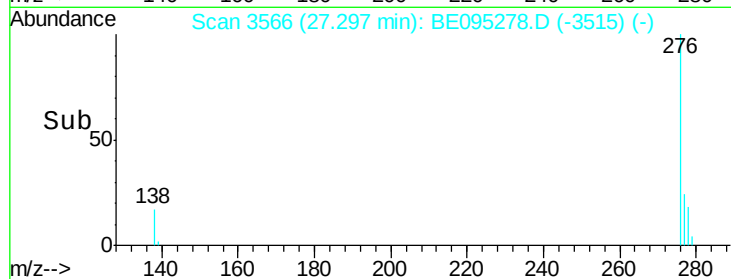
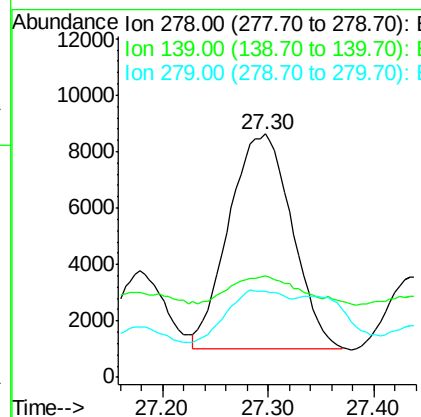
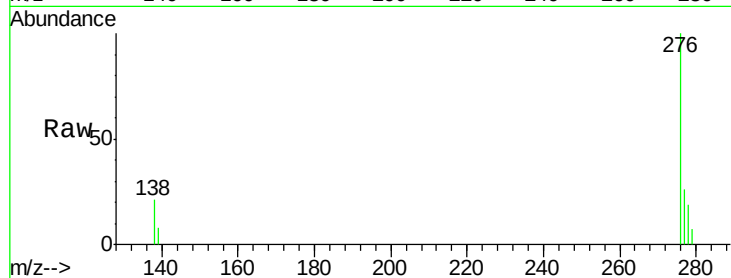
#25
Dibenzo(a,h)anthracene
Concen: 1.284 ng/ul m
RT: 27.30 min Scan# 3566
Delta R.T. 0.03 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Instrument :
BNA_E
ClientSampleId :
F6A47

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.5	17.4	26.0#
279	35.6	25.9	38.9

Manual Integrations
APPROVED

Sohil
1/31/2018 8:27:56 PM



#26
Benzo(g,h,i)perylene
Concen: 6.479 ng/ul m
RT: 28.17 min Scan# 3758
Delta R.T. 0.05 min
Lab File: BE095278.D
Acq: 30 Jan 2018 10:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	21.8	32.8#
277	25.3	20.5	30.7

