

Data Path : U:\HPCHEM1\BNA E\DATA\BE012018\
 Data File : BE095084.D
 Acq On : 20 Jan 2018 11:47
 Operator : SJ/JU
 Sample : J1216-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 B0AE7

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:22:26 PM

Quant Time: Jan 22 12:09:21 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE011918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 04:29:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	4268	0.40	ng/ul	0.00
2) Naphthalene-d8	11.28	136	14315	0.40	ng/ul	0.00
6) Acenaphthene-d10	15.04	164	9136	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.73	188	18412m	0.40	ng/ul	0.00
16) Chrysene-d12	21.83	240	18746	0.40	ng/ul	0.00
20) Perylene-d12	24.49	264	15221m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.84	152	7949	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.72	212	21256	0.37	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.33	128	20460	0.539	ng/ul#	89
5) 2-Methylnaphthalene	12.90	142	10340	0.391	ng/ul	100
7) Acenaphthylene	14.77	152	130955	3.200	ng/ul	95
8) Acenaphthene	15.10	153	22214	0.698	ng/ul	93
9) Fluorene	16.05	166	38457	1.132	ng/ul#	80
11) Pentachlorophenol	17.38	266	111	0.102	ng/ul	88
12) Phenanthrene	17.78	178	707553	14.472	ng/ul#	88
13) Anthracene	17.87	178	103618	2.430	ng/ul#	92
15) Fluoranthene	19.75	202	1465758	23.459	ng/ul	83
17) Pyrene	20.11	202	1439666	21.127	ng/ul#	78
18) Benzo(a)anthracene	21.81	228	812841	15.671	ng/ul#	84
19) Chrysene	21.87	228	754162	13.032	ng/ul	95
21) Benzo(b)fluoranthene	23.67	252	1021789m	19.941	ng/ul	
22) Benzo(k)fluoranthene	23.71	252	303738m	6.426	ng/ul	
23) Benzo(a)pyrene	24.37	252	748709m	17.114	ng/ul	
24) Indeno(1,2,3-cd)pyrene	27.32	276	466086m	11.998	ng/ul	
25) Dibenzo(a,h)anthracene	27.33	278	116575m	4.201	ng/ul	
26) Benzo(g,h,i)perylene	28.20	276	392506m	10.159	ng/ul	

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

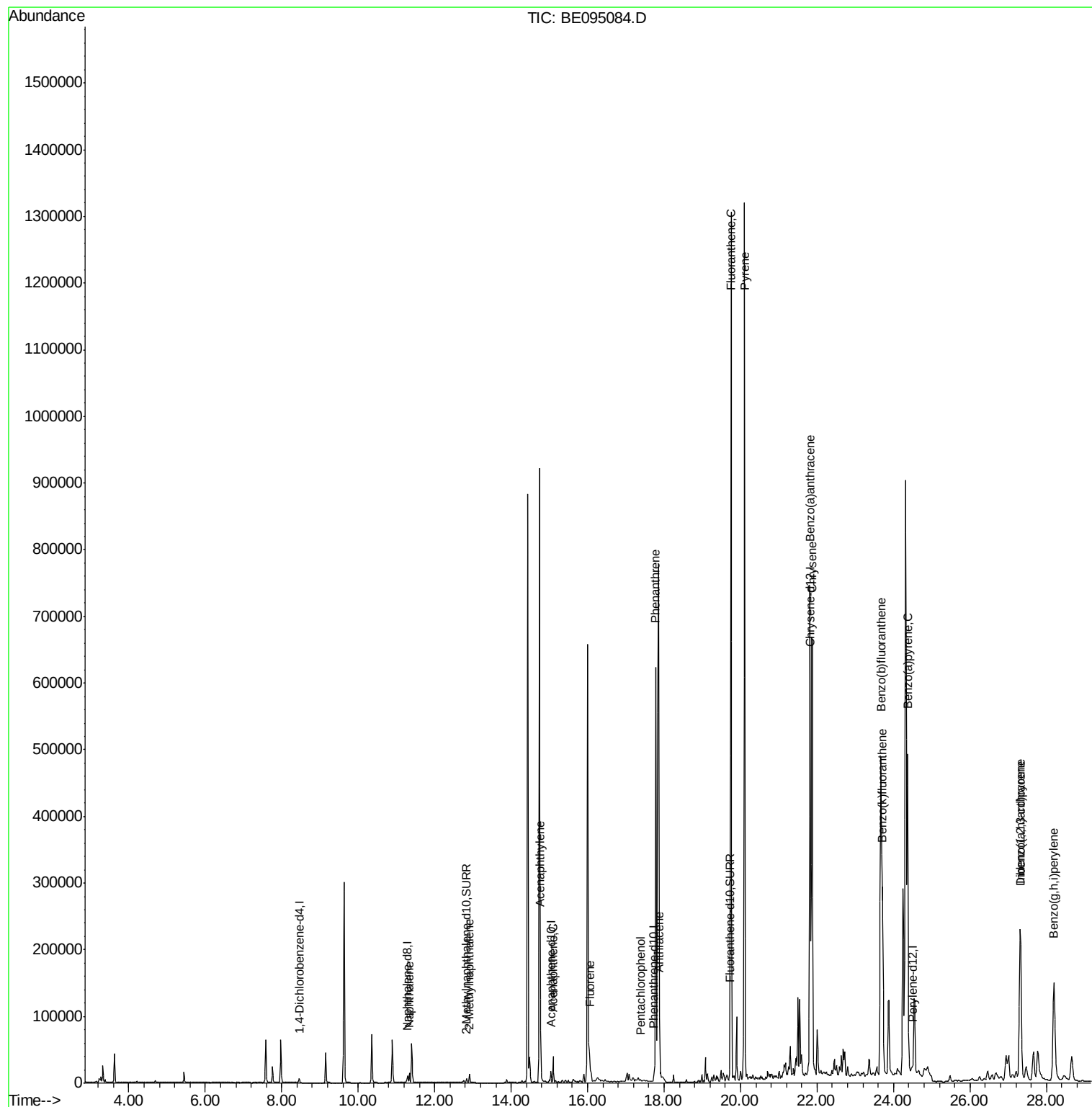
Data Path : U:\HPCHEM1\BNA E\DATA\BE012018\
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Acq On : 20 Jan 2018 11:47
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Misc :
ALS Vial : 6 Sample Multiplier: 1

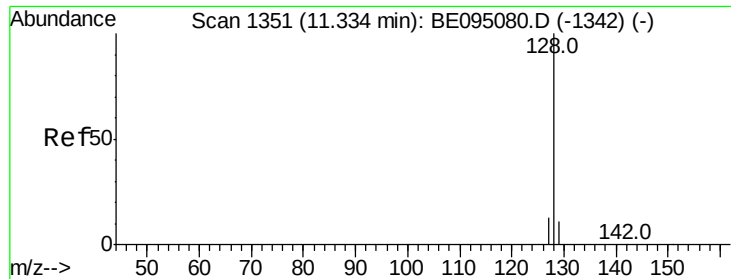
Instrument :
BNA_E
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B0AE7

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE011918.M
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QLast Update : Mon Jan 22 04:29:25 2018
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#3

Naphthalene

Concen: 0.539 ng/ul

RT: 11.33 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

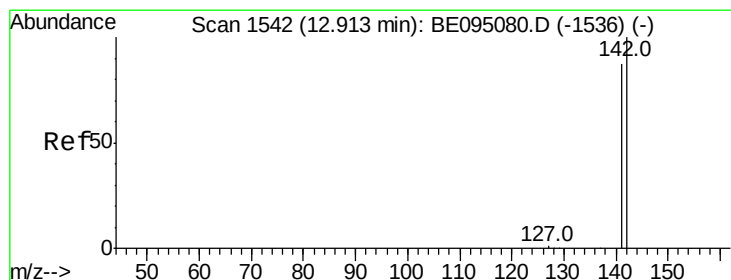
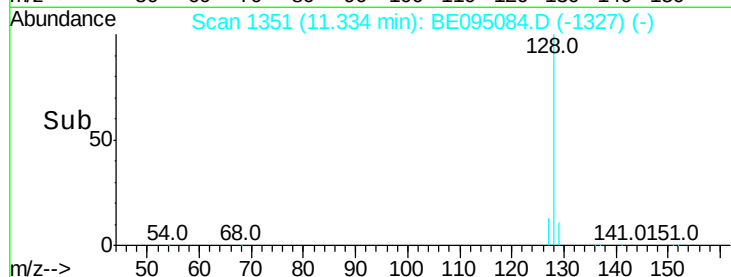
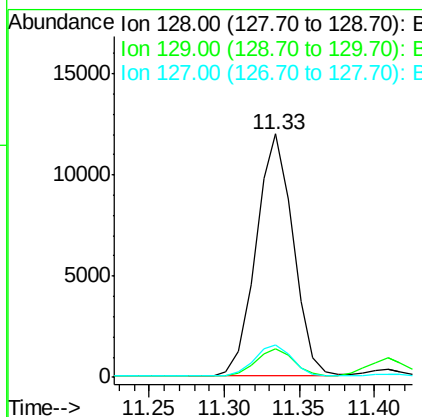
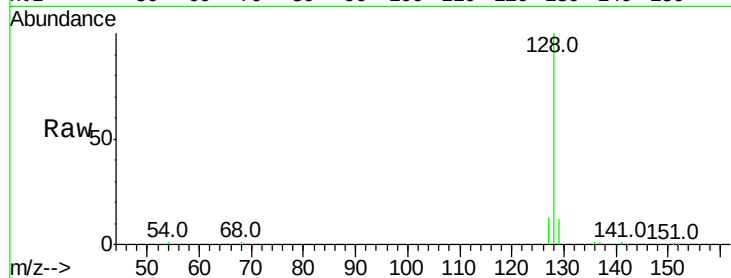
ClientSampleId :

B0AE7

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	11.3	16.9
127	13.2	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 0.391 ng/ul

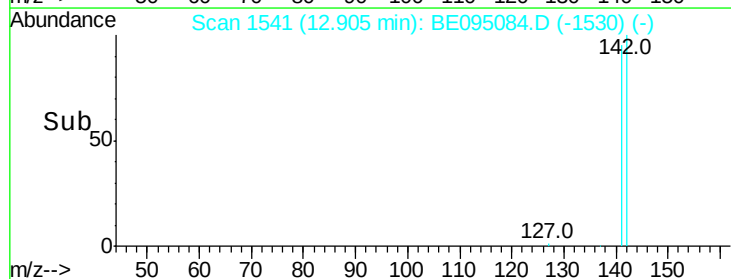
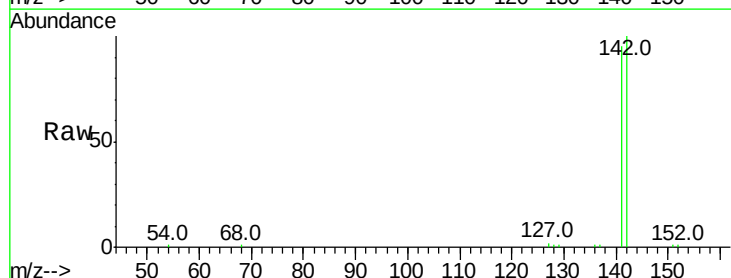
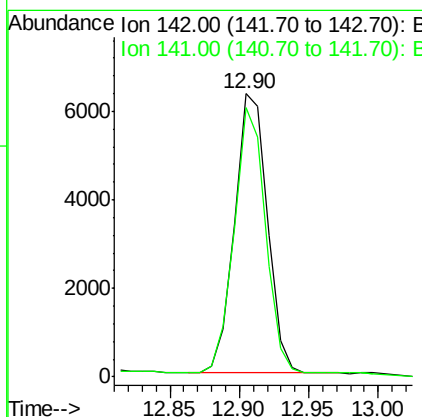
RT: 12.90 min Scan# 1541

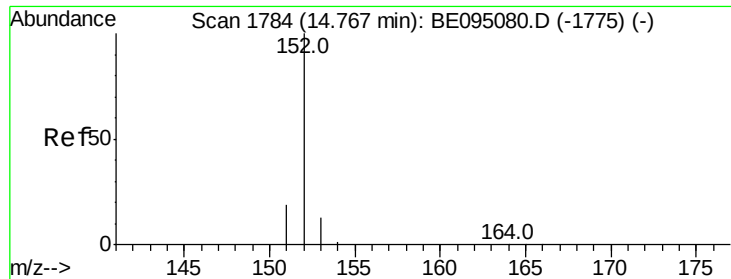
Delta R.T. -0.01 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.6	108.8





#7

Acenaphthylene

Concen: 3.200 ng/ul

RT: 14.77 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

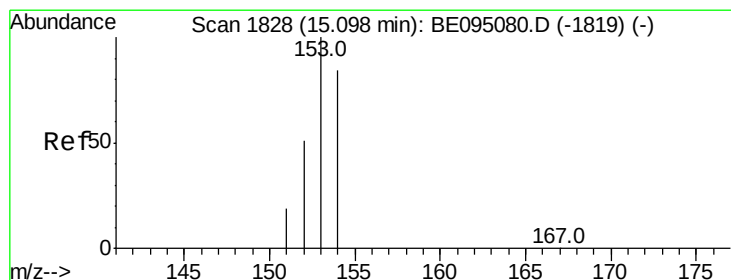
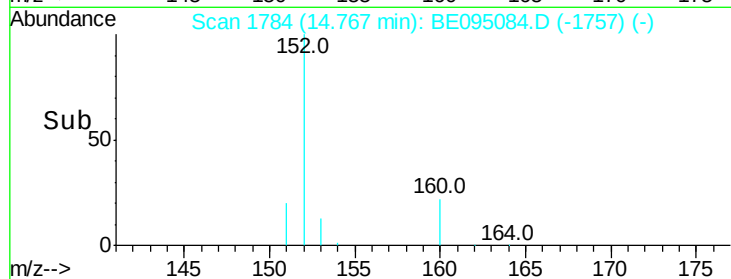
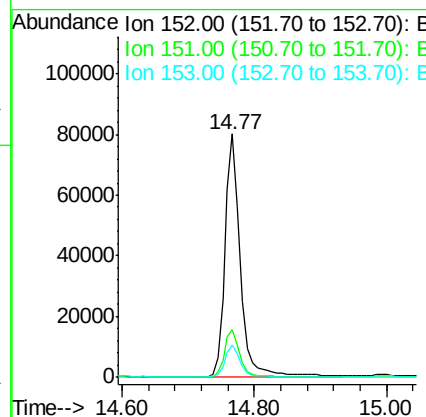
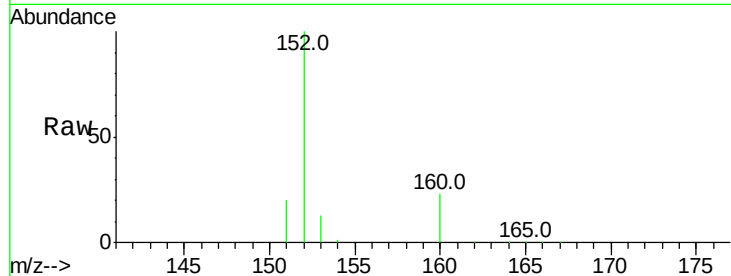
ClientSampled :

B0AE7

Tot Ion:	152	Resp:	130955
Ion Ratio	Lower	Upper	
152	100		
151	19.7	17.1	25.7
153	13.4	12.8	19.2

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#8

Acenaphthene

Concen: 0.698 ng/ul

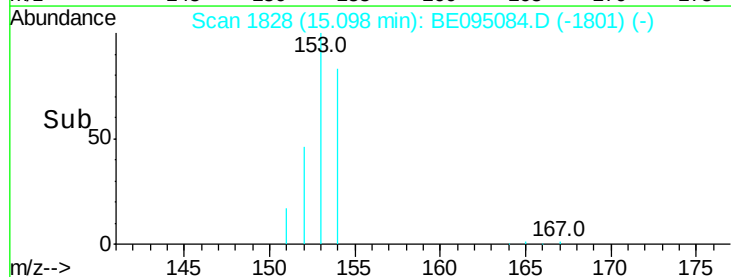
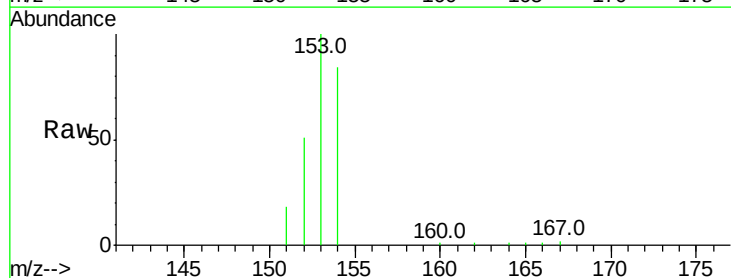
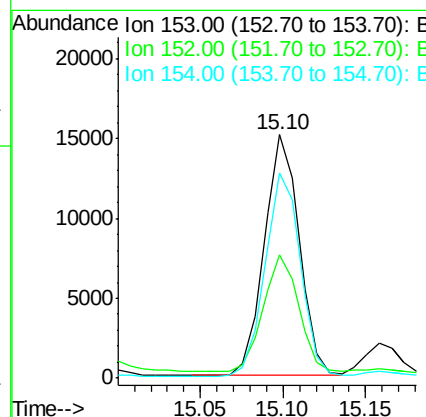
RT: 15.10 min Scan# 1828

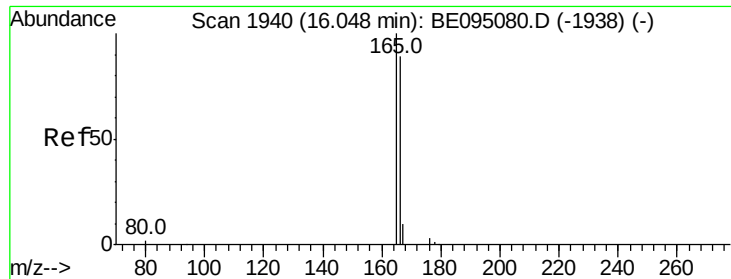
Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Tgt Ion:	153	Resp:	22214
Ion Ratio	Lower	Upper	
153	100		
152	50.7	36.0	54.0
154	84.3	72.0	108.0





#9

Fluorene

Concen: 1.132 ng/ul

RT: 16.05 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

ClientSampleId :

B0AE7

Tot Ion:166 Resp: 38457

Ion Ratio Lower Upper

166 100

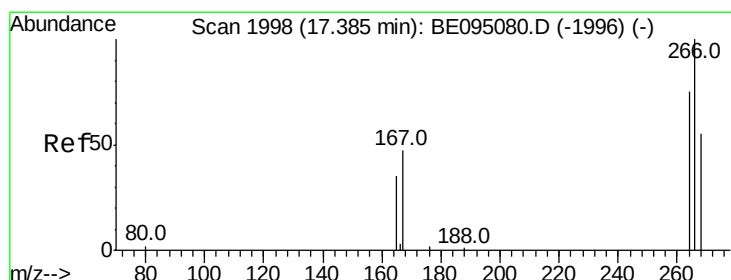
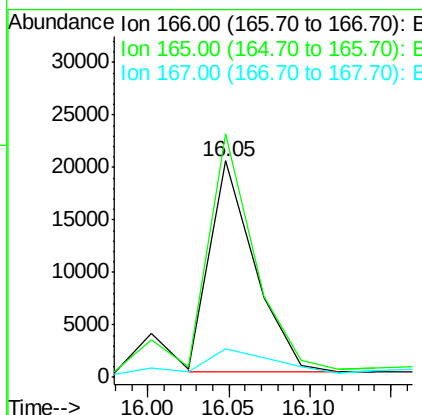
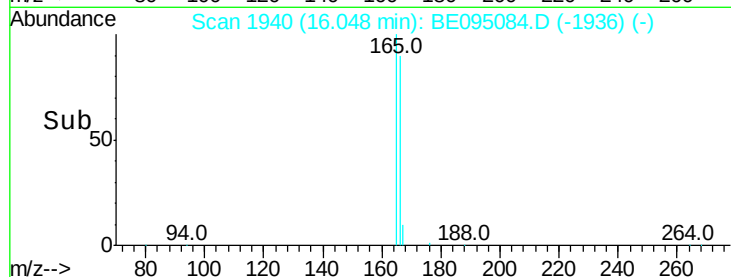
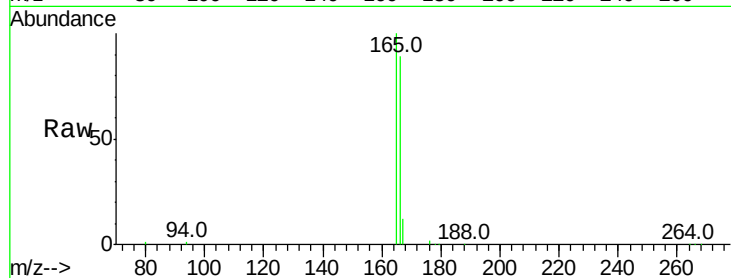
165 112.6 73.4 110.2#

167 13.3 14.6 22.0#

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#11

Pentachlorophenol

Concen: 0.102 ng/ul

RT: 17.38 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

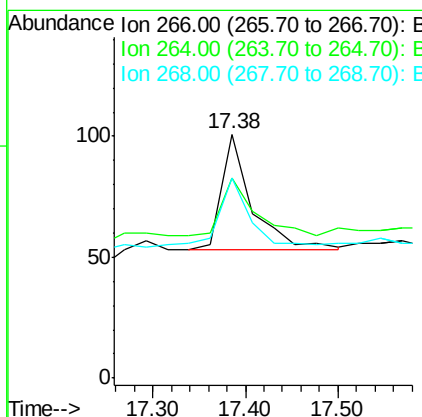
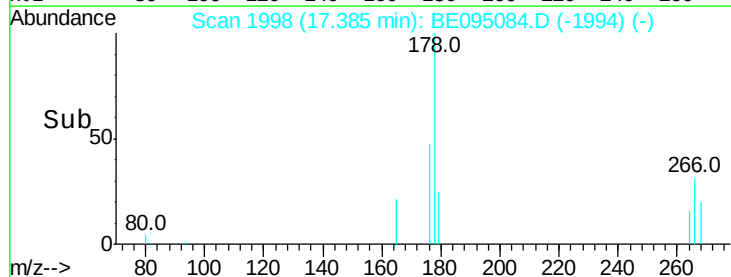
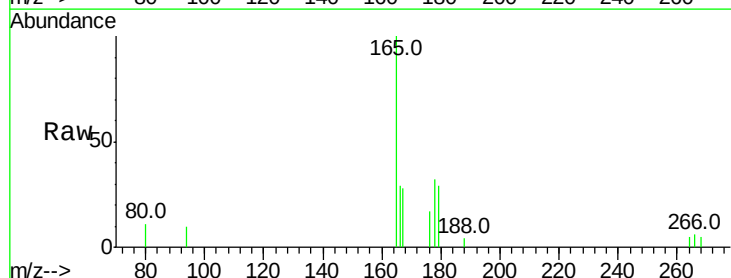
Tgt Ion:266 Resp: 111

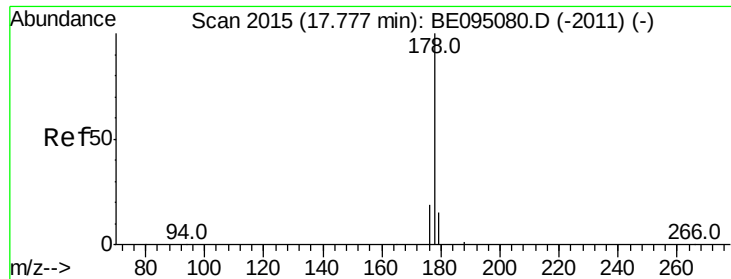
Ion Ratio Lower Upper

266 100

264 52.3 47.9 71.9

268 52.3 49.8 74.8





#12

Phenanthrene

Concen: 14.472 ng/ul

RT: 17.78 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

ClientSampleId :

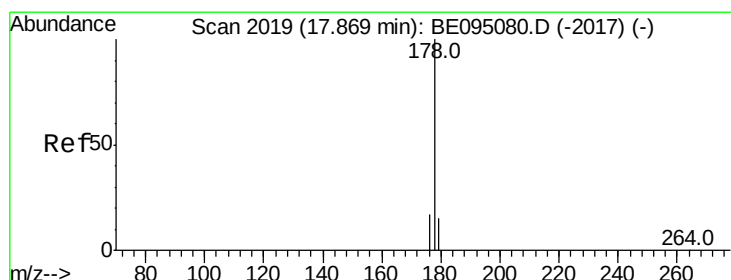
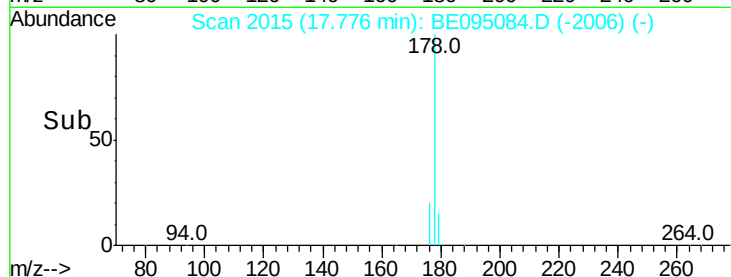
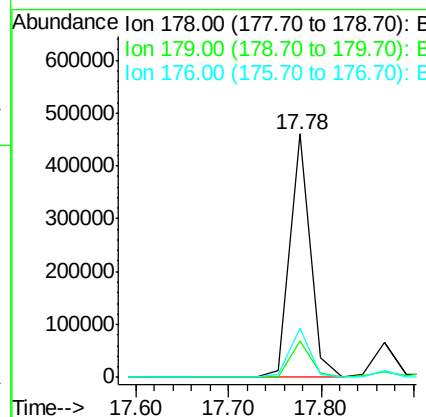
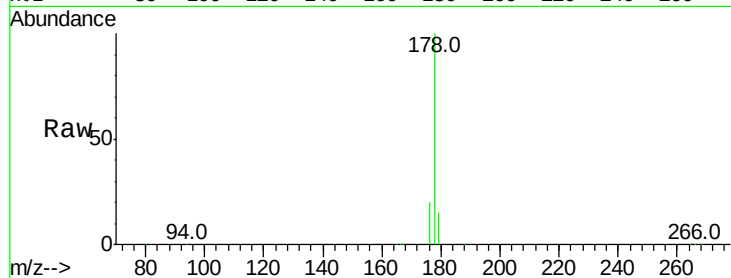
B0AE7

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	18.4	27.6#
176	19.9	13.6	20.4

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#13

Anthracene

Concen: 2.430 ng/ul

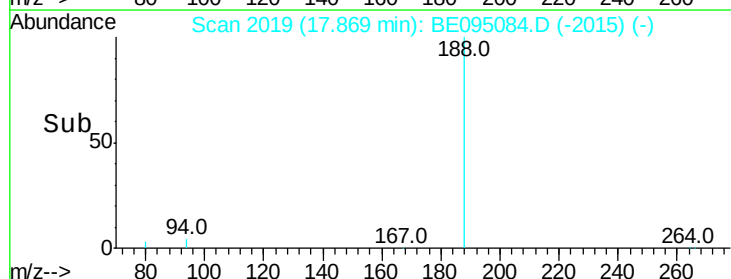
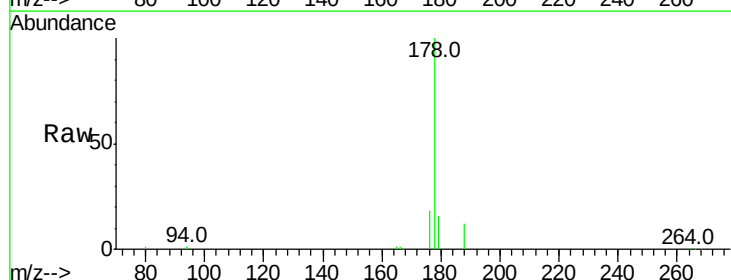
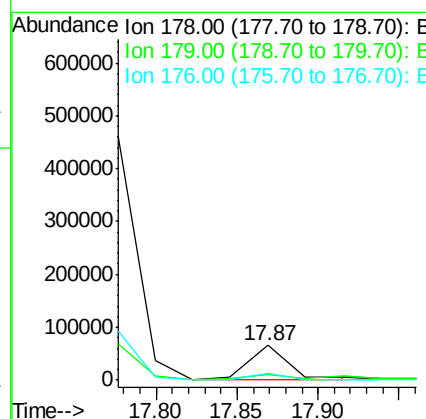
RT: 17.87 min Scan# 2019

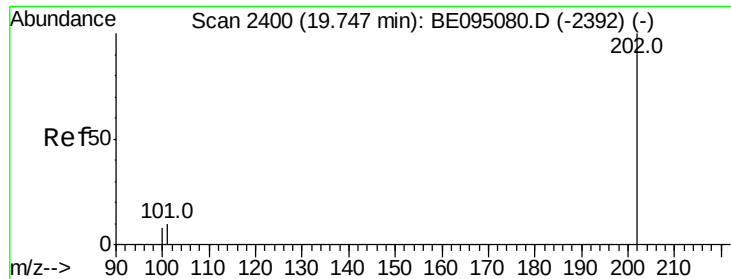
Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	18.1	27.1#
176	18.4	14.7	22.1





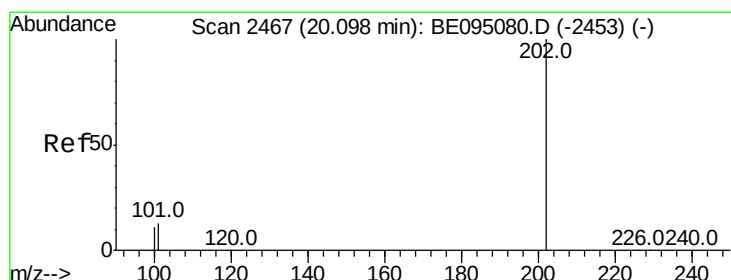
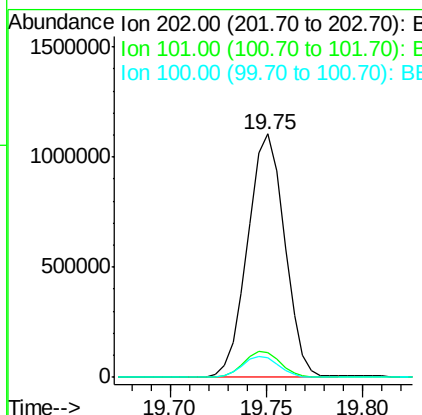
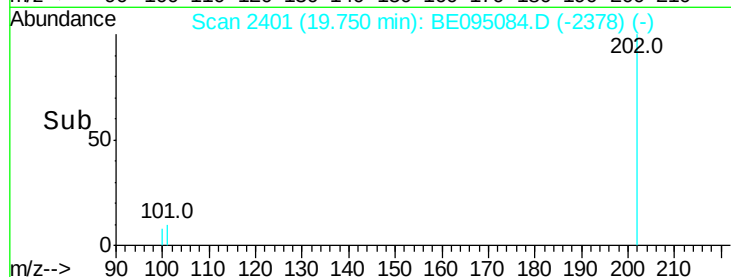
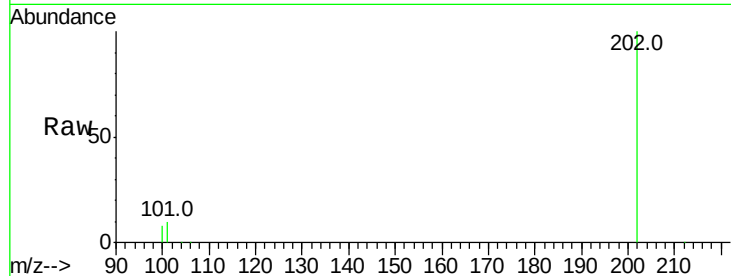
#15
Fluoranthene
Concen: 23.459 ng/ul
RT: 19.75 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Instrument :
BNA_E
ClientSampleId :
B0AE7

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
100	8.1	0.0	39.5

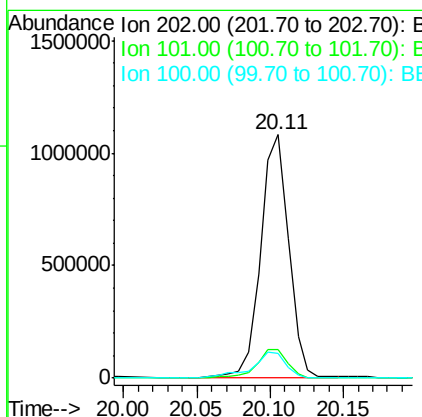
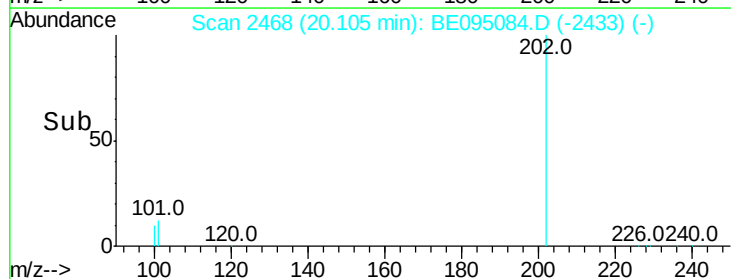
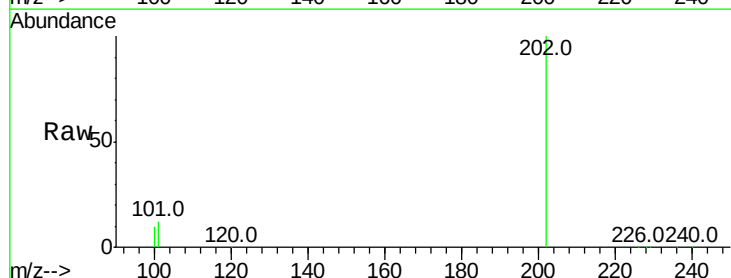
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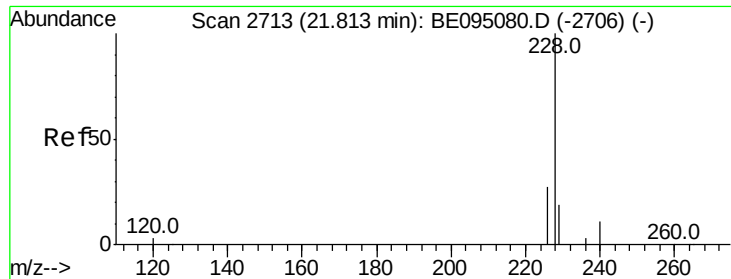
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#17
Pyrene
Concen: 21.127 ng/ul
RT: 20.11 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	18.2	27.4#
100	10.0	15.6	23.4#





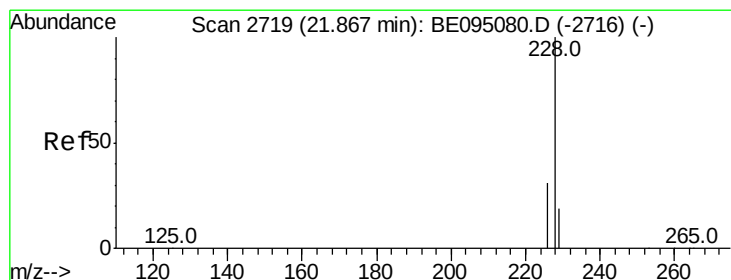
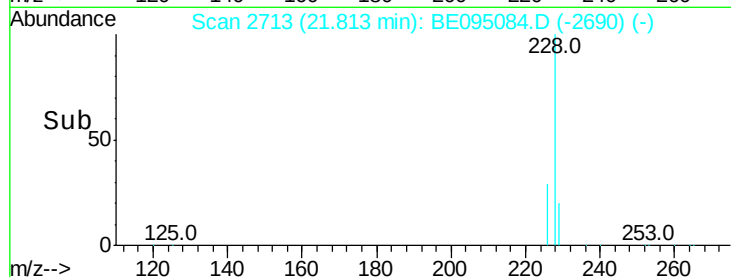
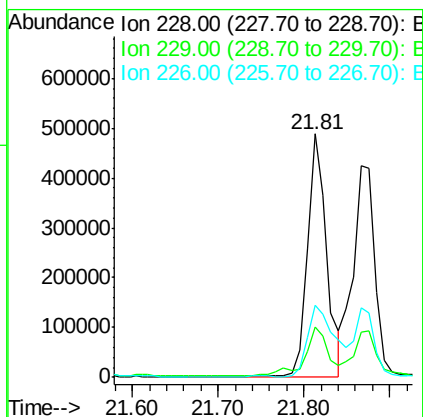
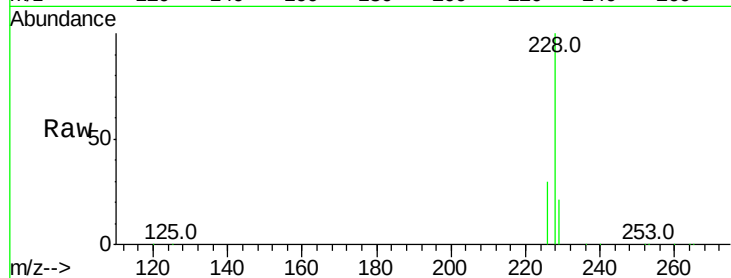
#18
Benzo(a)anthracene
Concen: 15.671 ng/ul
RT: 21.81 min Scan# 2713
Delta R.T. -0.00 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Instrument :
BNA_E
ClientSampled :
B0AE7

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	22.8	34.2#
226	29.8	17.0	25.6#

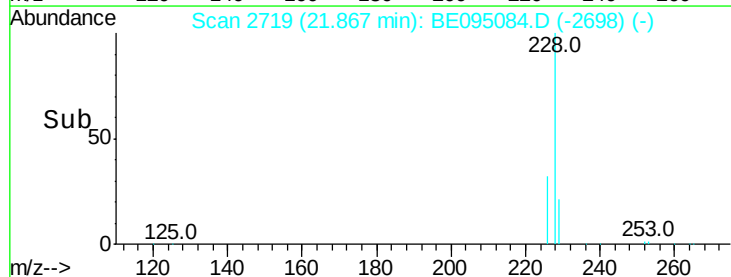
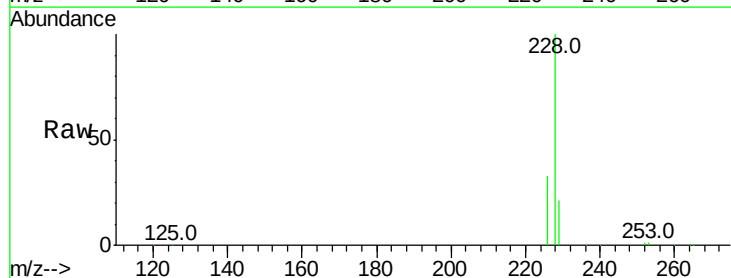
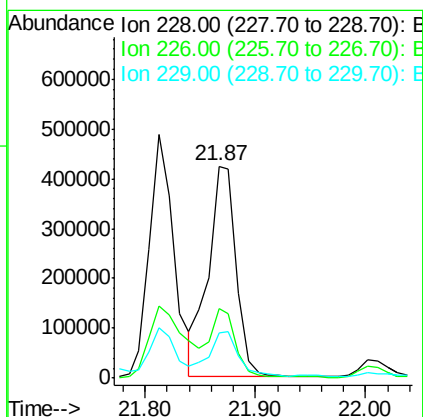
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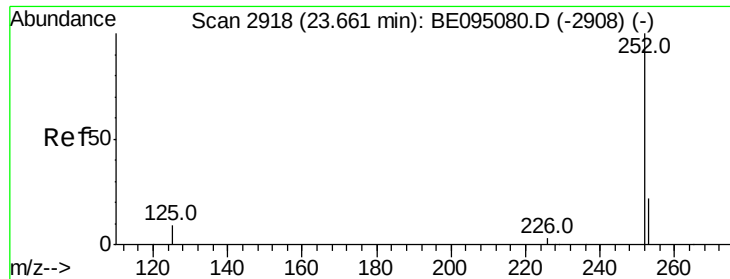
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#19
Chrysene
Concen: 13.032 ng/ul
RT: 21.87 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.4	35.0
229	21.1	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 19.941 ng/ul m

RT: 23.67 min Scan# 2919

Delta R.T. 0.01 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

ClientSampleId :

B0AE7

Tot Ion:252 Resp: 1021789

Ion Ratio Lower Upper

252 100

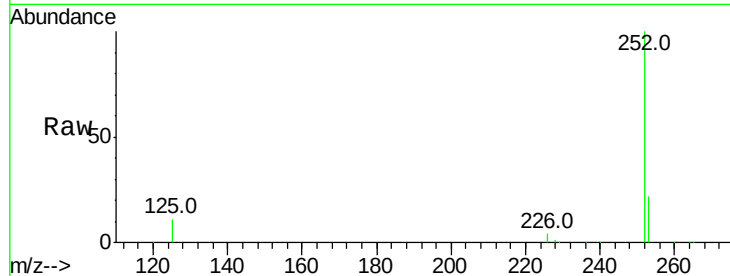
253 22.5 0.0 64.2

125 10.6 0.0 35.0

Manual Integrations
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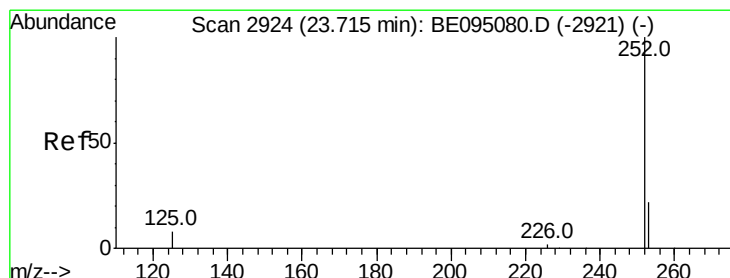
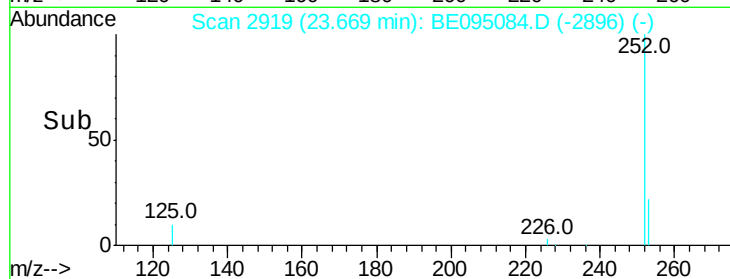
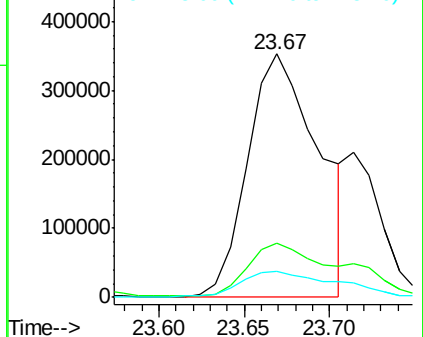
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 6.426 ng/ul m

RT: 23.71 min Scan# 2924

Delta R.T. -0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Tgt Ion:252 Resp: 303738

Ion Ratio Lower Upper

252 100

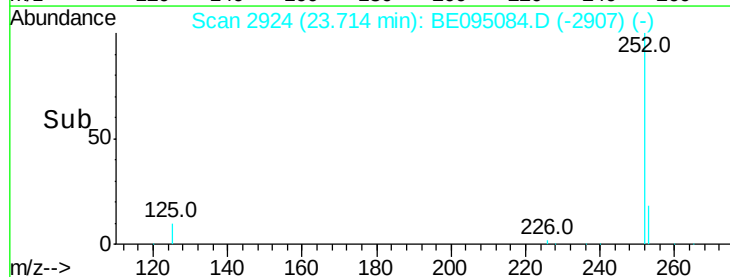
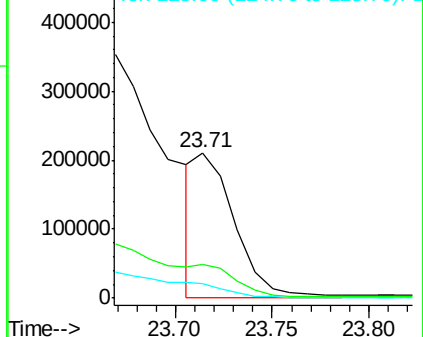
253 23.6 24.5 36.7#

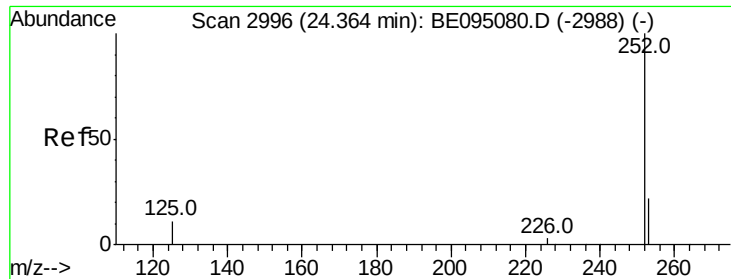
125 10.0 13.7 20.5#

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: 17.114 ng/ul m

RT: 24.37 min Scan# 2997

Delta R.T. 0.01 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Instrument :

BNA_E

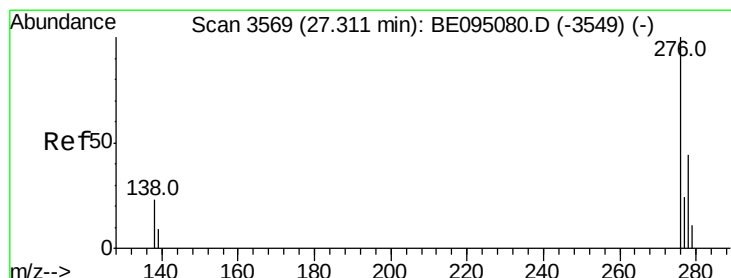
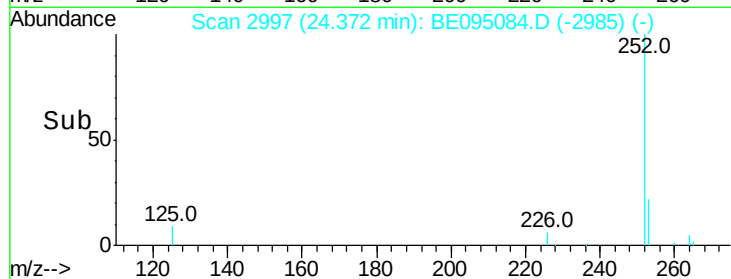
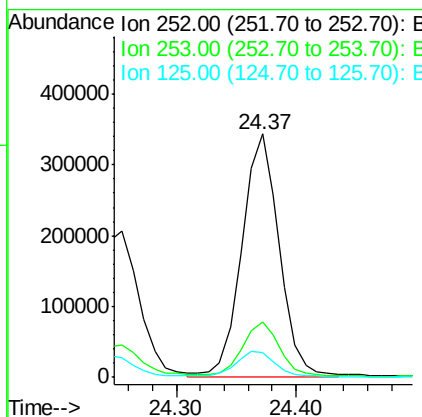
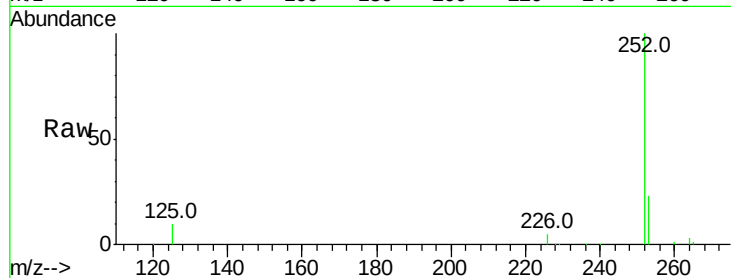
ClientSampled :

B0AE7

Tot Ion:	252	Resp:	748709
Ion Ratio	Lower	Upper	
252	100		
253	22.6	28.5	42.7#
125	10.2	18.1	27.1#

Manual Integrations
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Sohil
1/22/2018 5:22:26 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 11.998 ng/ul m

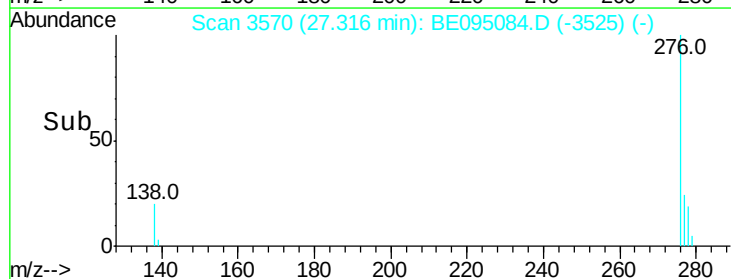
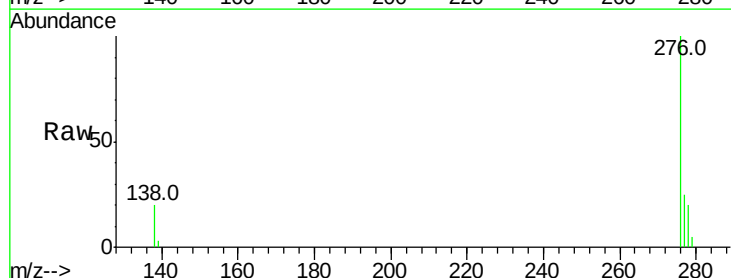
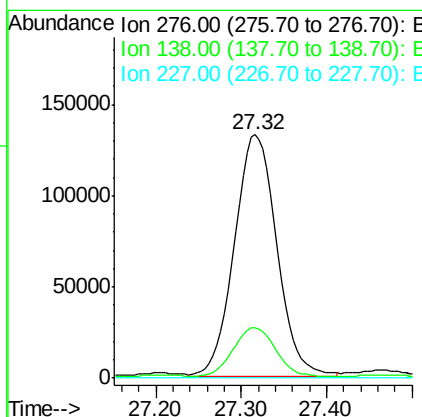
RT: 27.32 min Scan# 3570

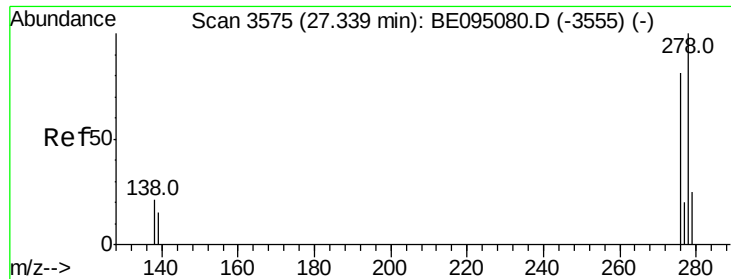
Delta R.T. 0.00 min

Lab File: BE095084.D

Acq: 20 Jan 2018 11:47

Tgt Ion:	276	Resp:	466086
Ion Ratio	Lower	Upper	
276	100		
138	0.5	28.0	42.0#
227	0.0	8.0	12.0#





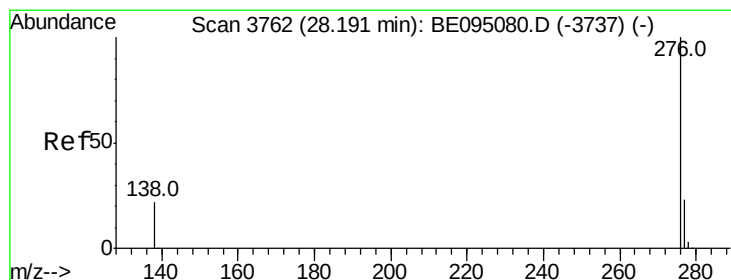
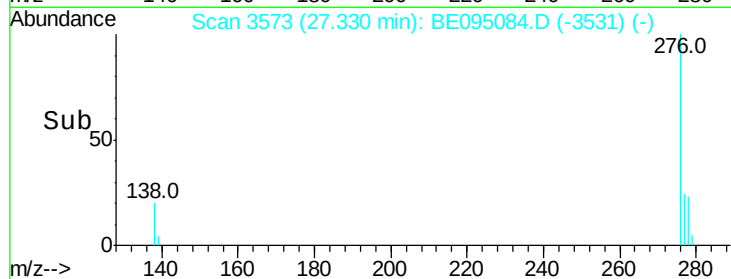
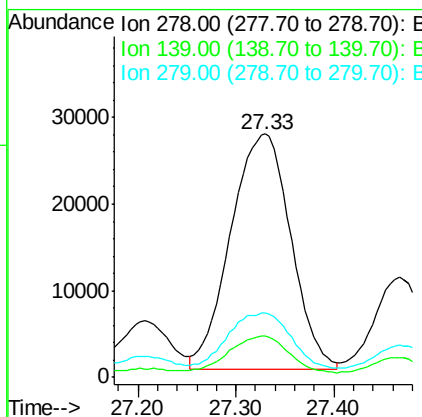
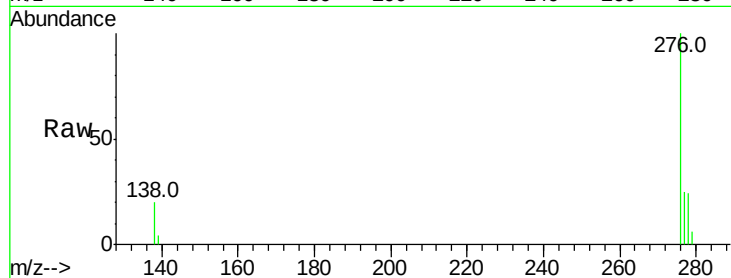
#25
Dibenzo(a,h)anthracene
Concen: 4.201 ng/ul m
RT: 27.33 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Instrument :
BNA_E
ClientSampleId :
B0AE7

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	17.4	26.0#
279	26.5	25.9	38.9

Manual Integrations
APPROVED

Sohil
1/22/2018 5:22:26 PM



#26
Benzo(g,h,i)perylene
Concen: 10.159 ng/ul m
RT: 28.20 min Scan# 3763
Delta R.T. 0.00 min
Lab File: BE095084.D
Acq: 20 Jan 2018 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	21.8	32.8#
277	24.1	20.5	30.7

