

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
 Data File : BE097479.D
 Acq On : 13 Sep 2018 8:38
 Operator : SJ/JU
 Sample : J4792-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3YY5

Manual Integrations
 APPROVED

Sohil
 9/13/2018 5:43:06 PM

Quant Time: Sep 13 10:55:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 13 07:48:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1549	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	8704	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	6012	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.77	188	12849m	0.40	ng/ul	0.00
16) Chrysene-d12	20.99	240	13930m	0.40	ng/ul	0.02
20) Perylene-d12	23.23	264	14829m	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.72	152	2890	0.21	ng/ul	0.00
14) Fluoranthene-d10	18.81	212	6924m	0.16	ng/ul	0.01
Target Compounds				Qvalue		
3) Naphthalene	10.17	128	35000	1.649	ng/ul#	91
5) 2-Methylnaphthalene	11.79	142	19244	1.435	ng/ul	98
7) Acenaphthylene	13.73	152	12734	0.582	ng/ul#	93
8) Acenaphthene	14.07	153	77991	4.140	ng/ul	98
9) Fluorene	15.07	166	78978	3.661	ng/ul	95
12) Phenanthrene	16.81	178	1444451m	43.671	ng/ul	
13) Anthracene	16.90	178	334782m	12.039	ng/ul	
15) Fluoranthene	18.85	202	1935550m	45.552	ng/ul	
17) Pyrene	19.22	202	2357382	62.888	ng/ul#	81
18) Benzo(a)anthracene	20.97	228	1132912m	31.660	ng/ul	
19) Chrysene	21.02	228	1148464	27.856	ng/ul	97
21) Benzo(b)fluoranthene	22.56	252	1315963m	33.138	ng/ul	
22) Benzo(k)fluoranthene	22.60	252	371252m	8.384	ng/ul	
23) Benzo(a)pyrene	23.15	252	1033384m	28.128	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.56	276	718063	15.080	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.56	278	199506m	4.945	ng/ul	
26) Benzo(g,h,i)perylene	26.27	276	698633	17.210	ng/ul#	92

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

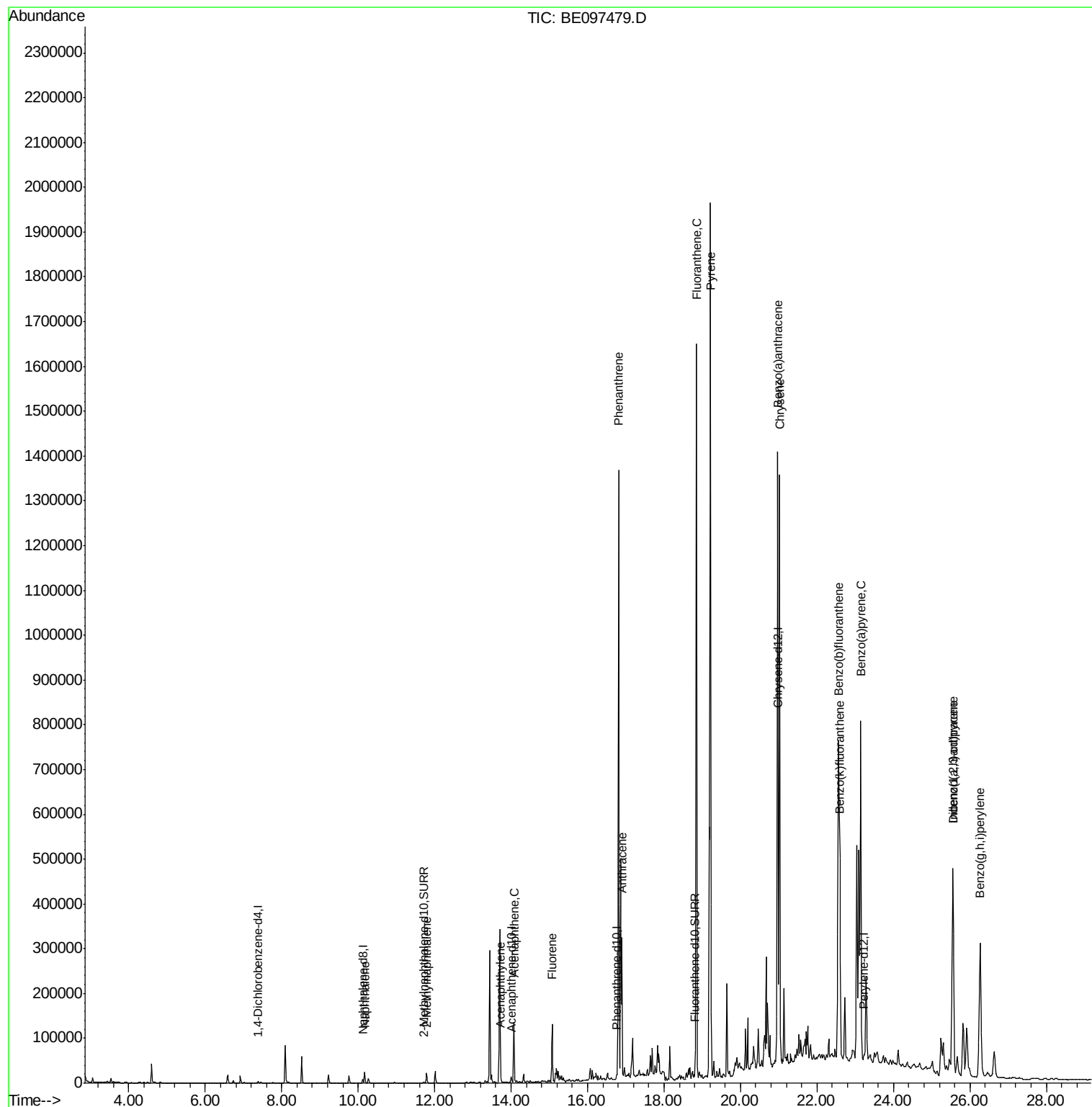
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
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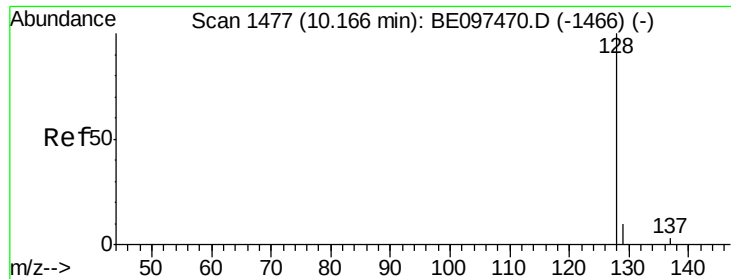
Instrument :
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Quant Time: Sep 13 10:55:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 07:48:38 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.649 ng/ul

RT: 10.17 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

ClientSampleId :

A3YY5

Tgt Ion:128 Resp: 35000

Ion Ratio Lower Upper

128 100

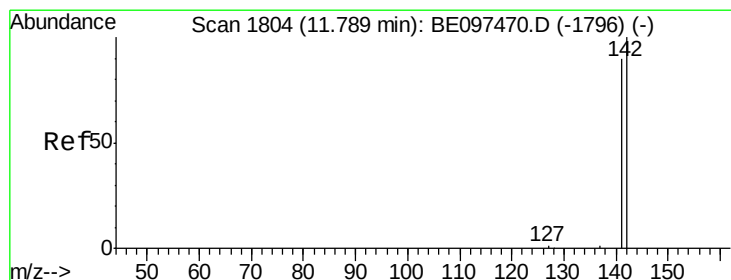
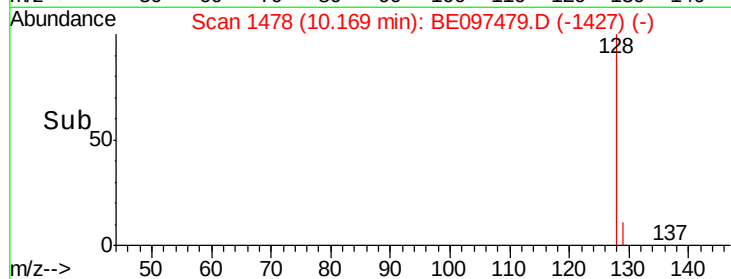
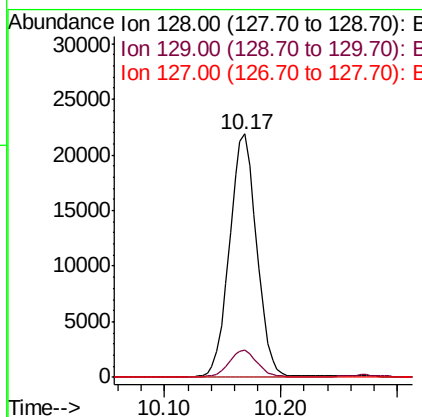
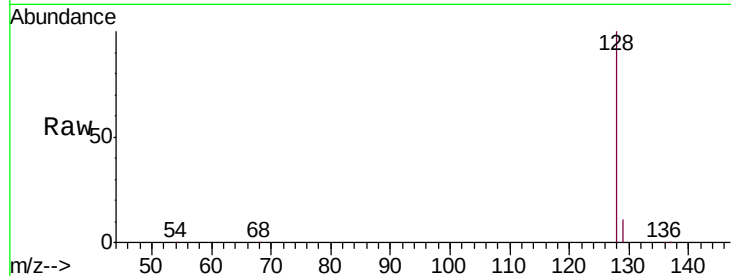
129 11.1 11.3 16.9#

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 1.435 ng/ul

RT: 11.79 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BE097479.D

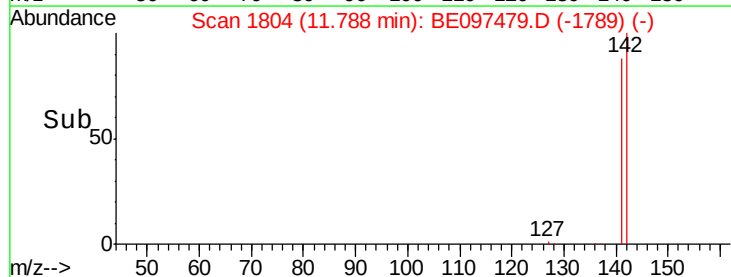
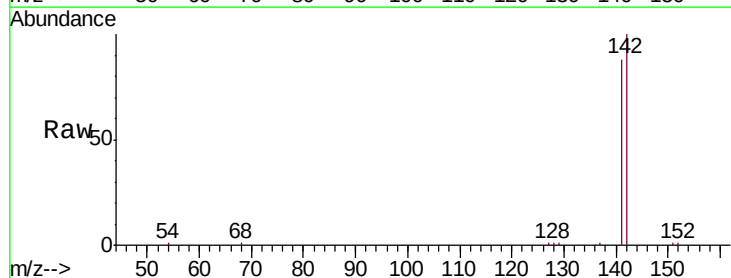
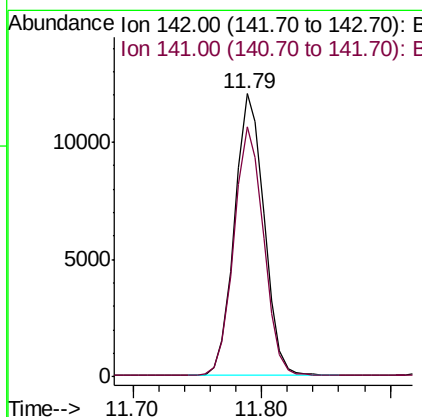
Acq: 13 Sep 2018 8:38

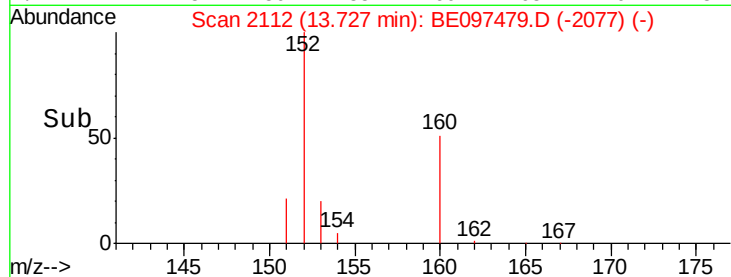
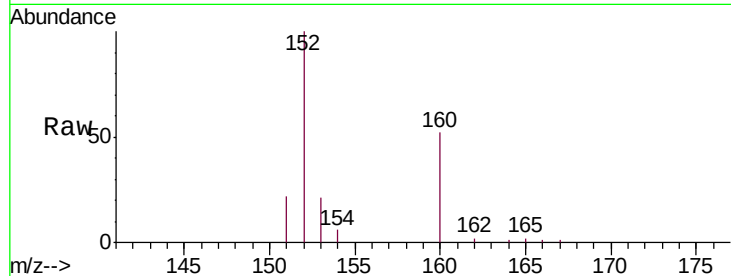
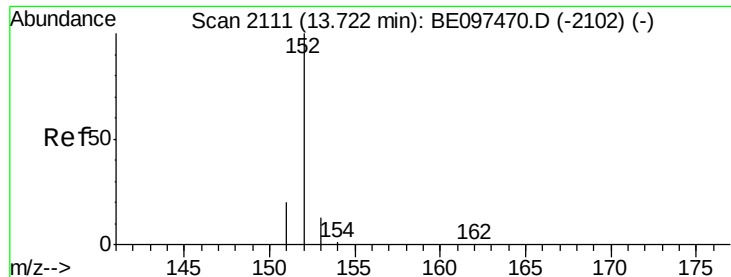
Tgt Ion:142 Resp: 19244

Ion Ratio Lower Upper

142 100

141 88.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.582 ng/ul

RT: 13.73 min Scan# 2112

Delta R.T. 0.01 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

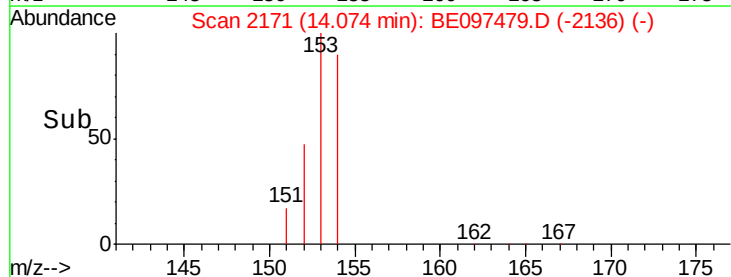
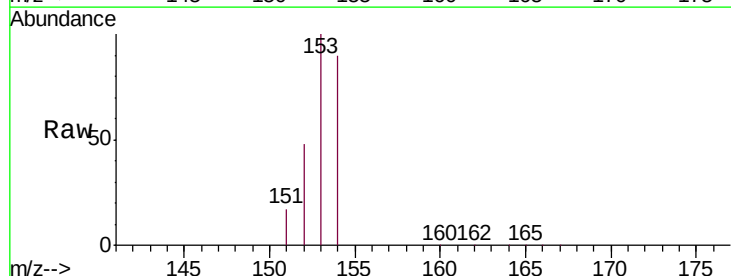
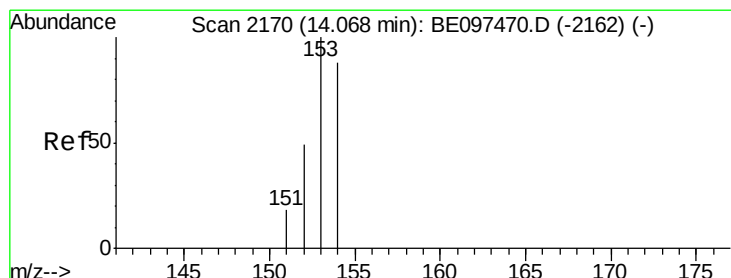
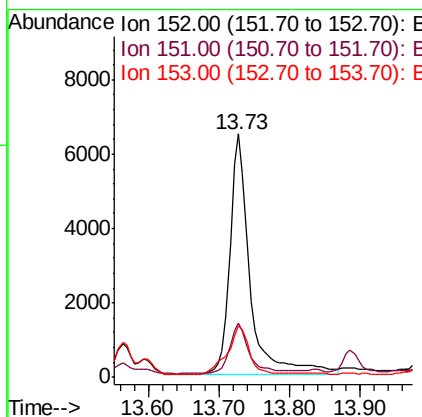
ClientSampled :

A3YY5

Tgt Ion:	152	Resp:	12734
Ion Ratio	Lower	Upper	
152	100		
151	22.4	17.1	25.7
153	21.3	12.8	19.2

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#8

Acenaphthene

Concen: 4.140 ng/ul

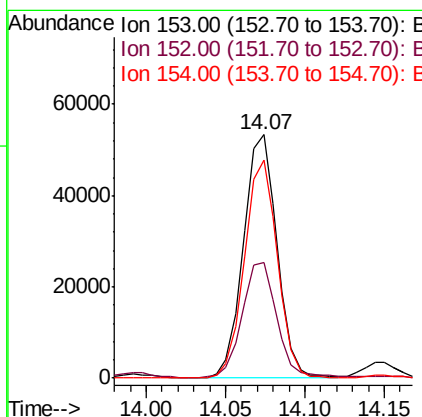
RT: 14.07 min Scan# 2171

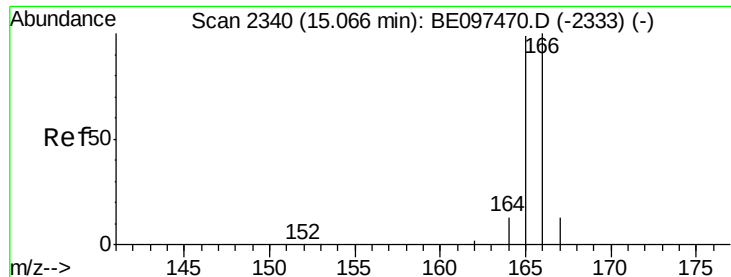
Delta R.T. 0.01 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Tgt Ion:	153	Resp:	77991
Ion Ratio	Lower	Upper	
153	100		
152	47.7	36.0	54.0
154	89.6	72.0	108.0





#9

Fluorene

Concen: 3.661 ng/ul

RT: 15.07 min Scan# 2341

Delta R.T. 0.01 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

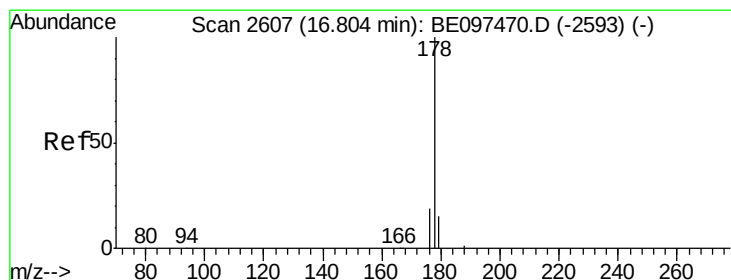
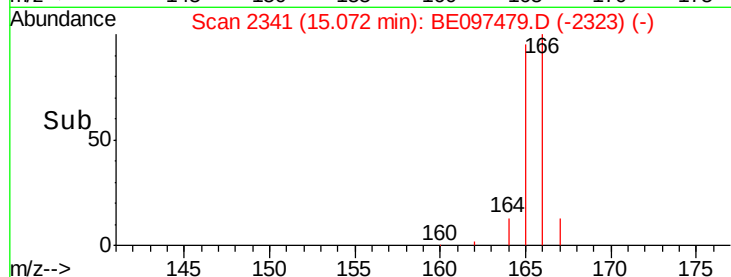
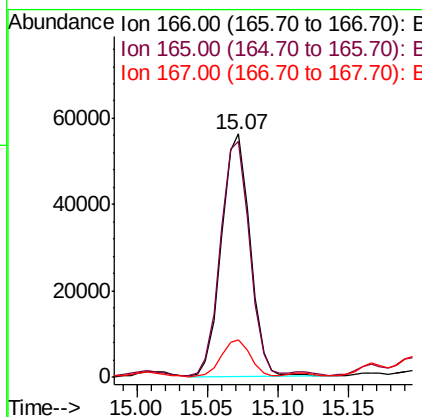
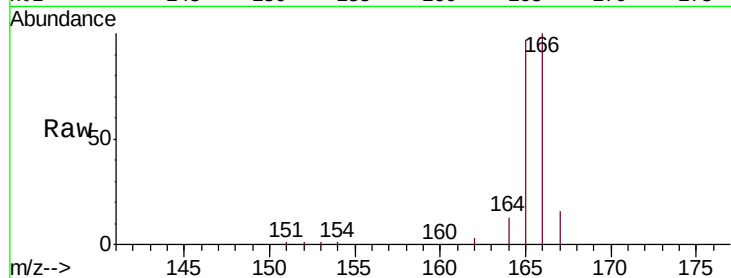
ClientSampleId :

A3YY5

Tgt Ion:	166	Resp:	78978
Ion Ratio	Lower	Upper	
166	100		
165	96.8	73.4	110.2
167	15.5	14.6	22.0

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#12

Phenanthrene

Concen: 43.671 ng/ul m

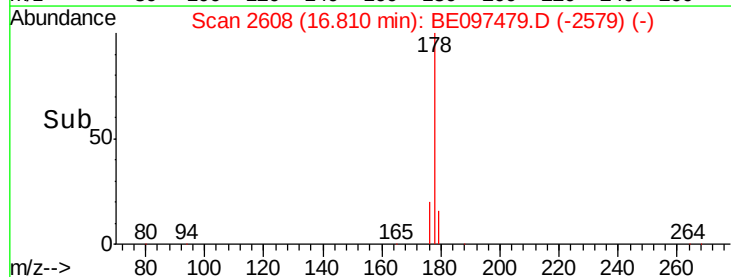
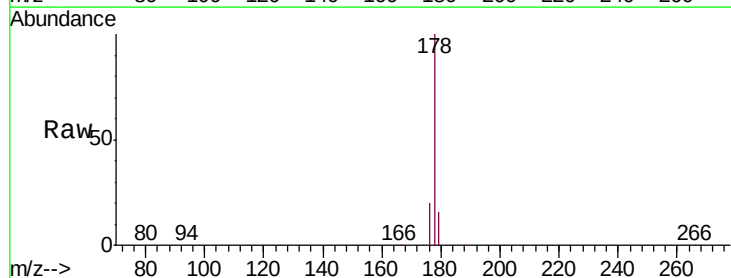
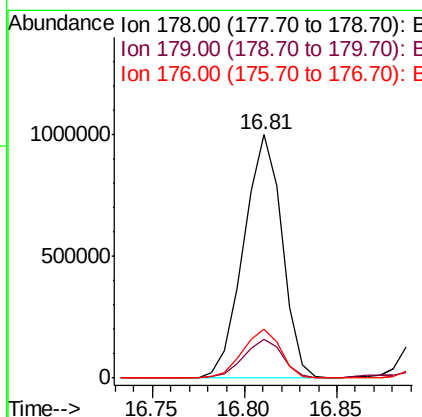
RT: 16.81 min Scan# 2608

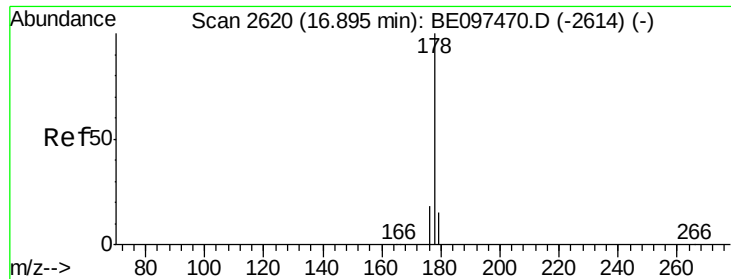
Delta R.T. 0.01 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Tgt Ion:	178	Resp:	1444451
Ion Ratio	Lower	Upper	
178	100		
179	16.0	18.4	27.6#
176	20.2	13.6	20.4





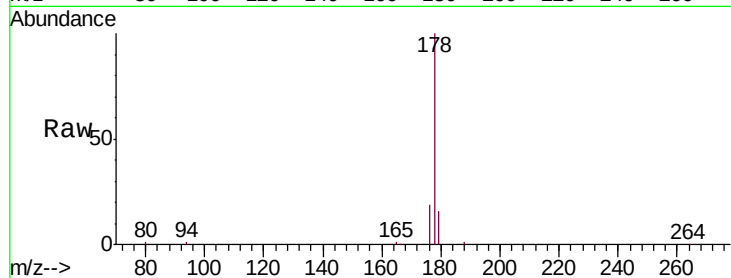
#13
 Anthracene
 Concen: 12.039 ng/ul m
 RT: 16.90 min Scan# 2621
 Delta R.T. 0.01 min
 Lab File: BE097479.D
 Acq: 13 Sep 2018 8:38

Instrument :
 BNA_E
 ClientSampled :
 A3YY5

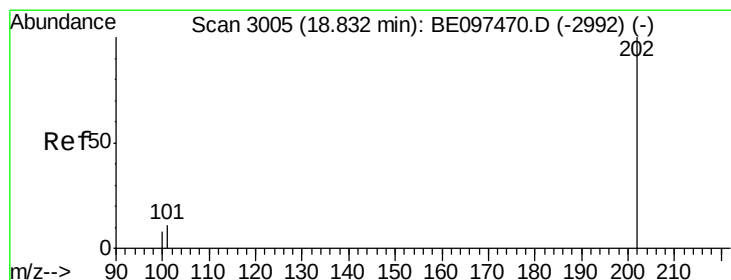
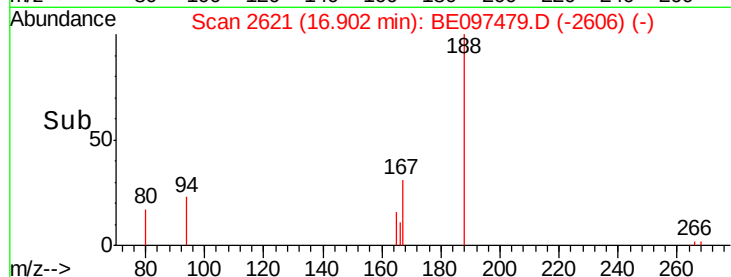
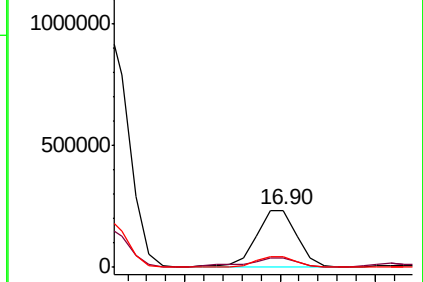
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	18.1	27.1#
176	18.6	14.7	22.1

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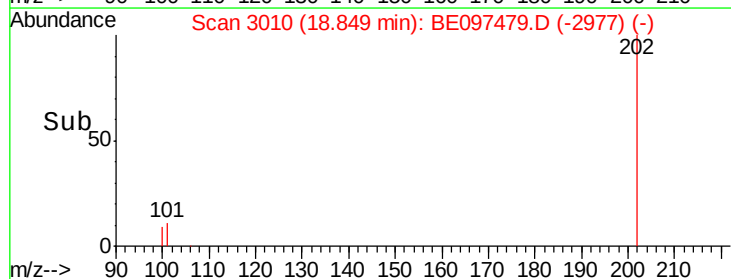
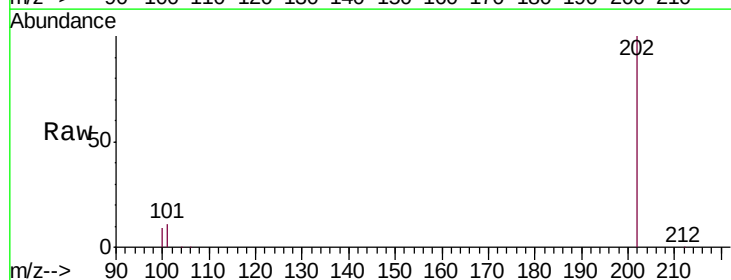
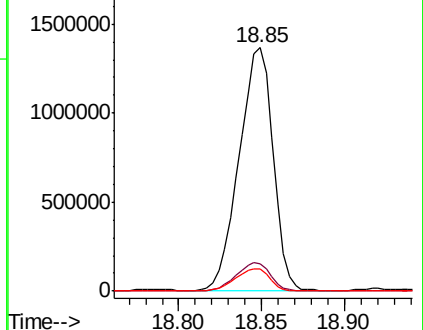
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

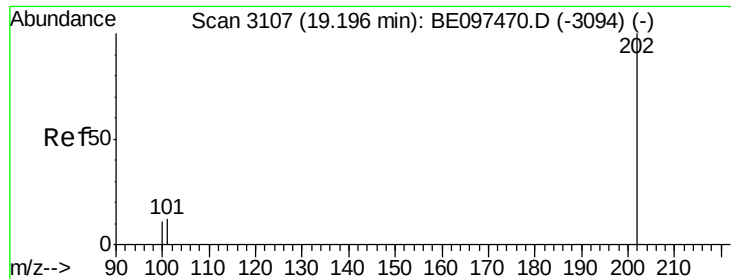


#15
 Fluoranthene
 Concen: 45.552 ng/ul m
 RT: 18.85 min Scan# 3010
 Delta R.T. 0.02 min
 Lab File: BE097479.D
 Acq: 13 Sep 2018 8:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.3
100	8.9	0.0	39.5

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): BE





#17

Pyrene

Concen: 62.888 ng/ul

RT: 19.22 min Scan# 3113

Delta R.T. 0.02 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

ClientSampleId :

A3YY5

Tgt Ion:202 Resp: 2357382

Ion Ratio Lower Upper

202 100

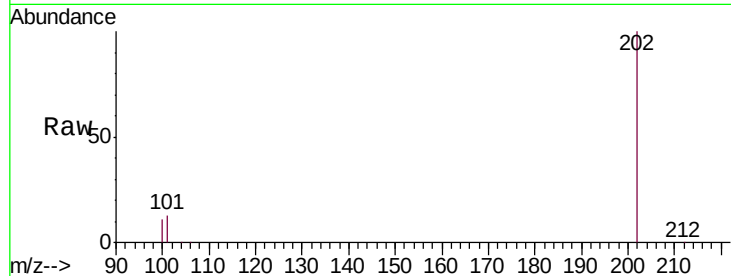
101 13.2 18.2 27.4#

100 11.3 15.6 23.4#

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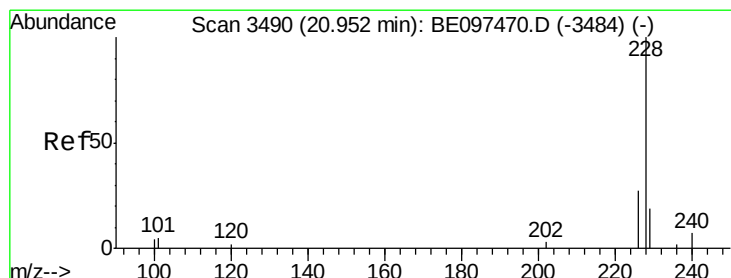
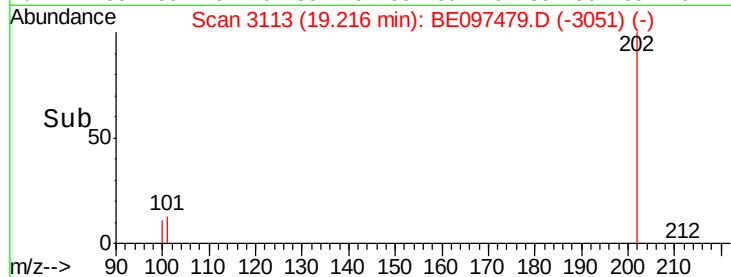
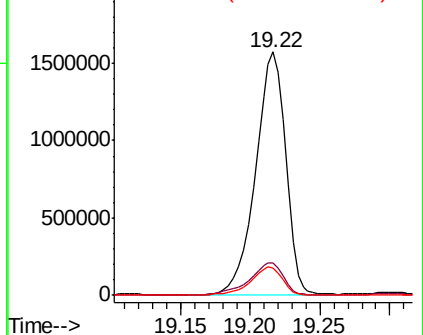
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#18

Benzo(a)anthracene

Concen: 31.660 ng/ul m

RT: 20.97 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Tgt Ion:228 Resp: 1132912

Ion Ratio Lower Upper

228 100

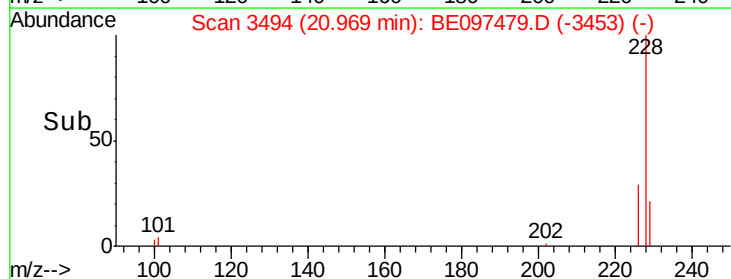
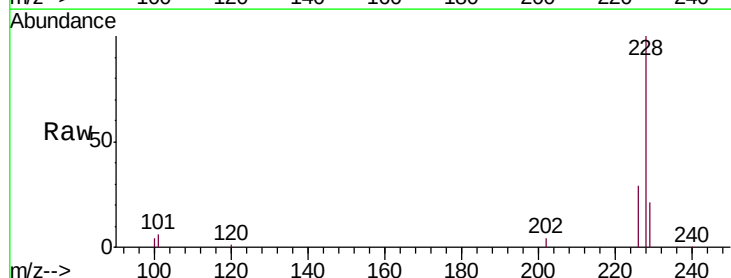
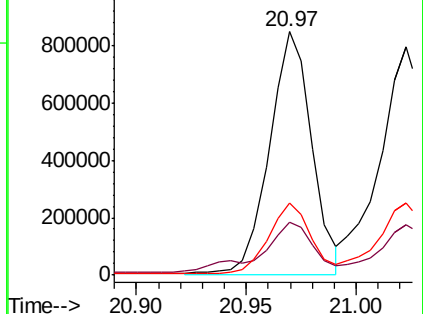
229 21.5 22.8 34.2#

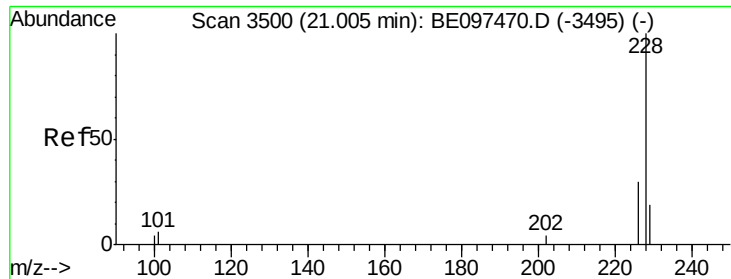
226 29.5 17.0 25.6#

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 27.856 ng/ul

RT: 21.02 min Scan# 3504

Delta R.T. 0.02 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

ClientSampleId :

A3YY5

Tgt Ion:228 Resp: 1148464

Ion Ratio Lower Upper

228 100

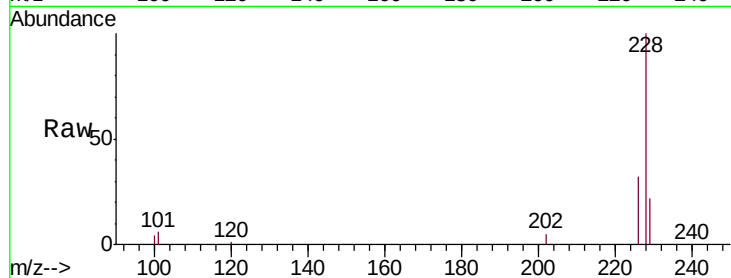
226 31.9 23.4 35.0

229 22.3 17.7 26.5

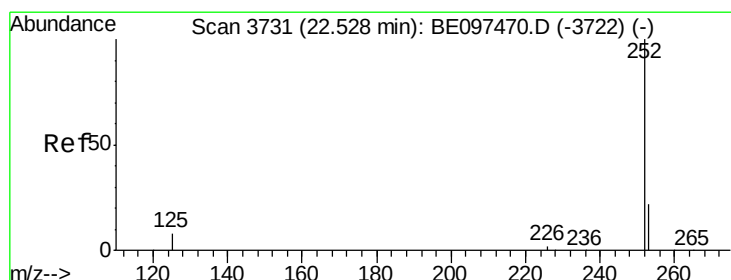
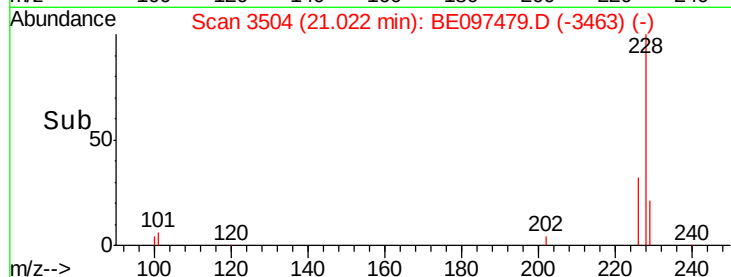
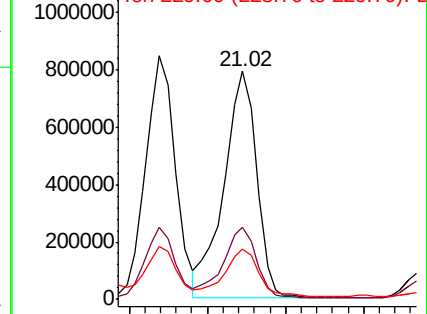
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 33.138 ng/ul m

RT: 22.56 min Scan# 3737

Delta R.T. 0.03 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

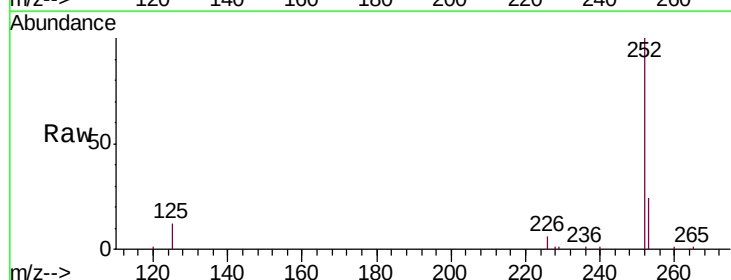
Tgt Ion:252 Resp: 1315963

Ion Ratio Lower Upper

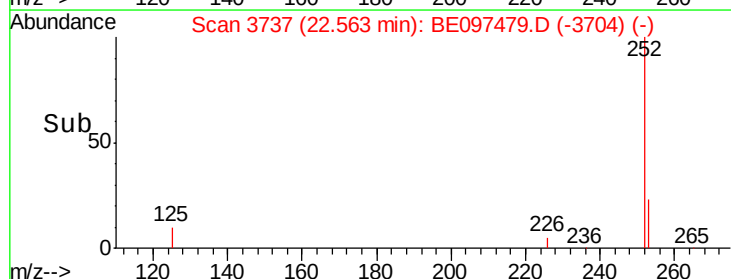
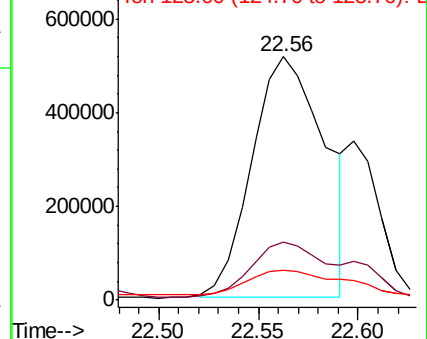
252 100

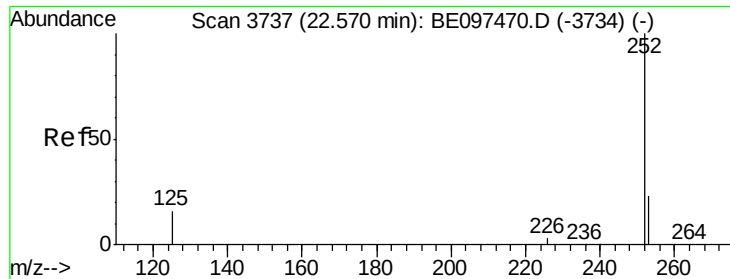
253 23.8 0.0 64.2

125 12.3 0.0 35.0



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





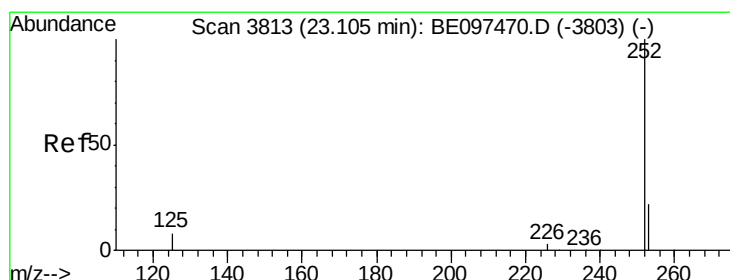
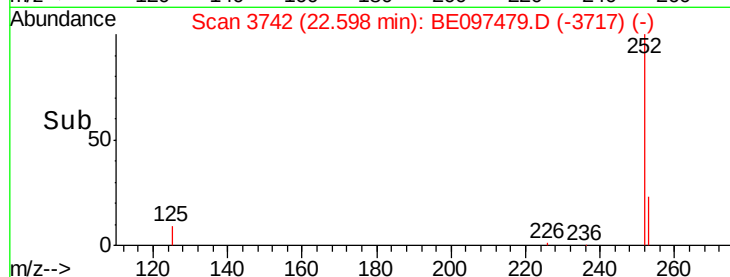
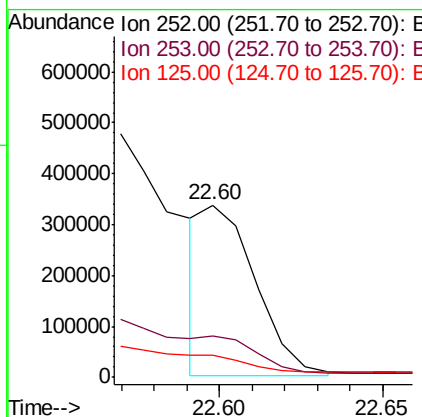
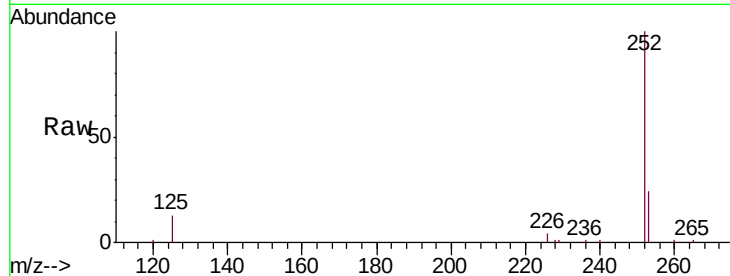
#22
Benzo(k)fluoranthene
Concen: 8.384 ng/ul m
RT: 22.60 min Scan# 3742
Delta R.T. 0.03 min
Lab File: BE097479.D
Acq: 13 Sep 2018 8:38

Instrument :
BNA_E
ClientSampleId :
A3YY5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	24.5	36.7#
125	12.5	13.7	20.5#

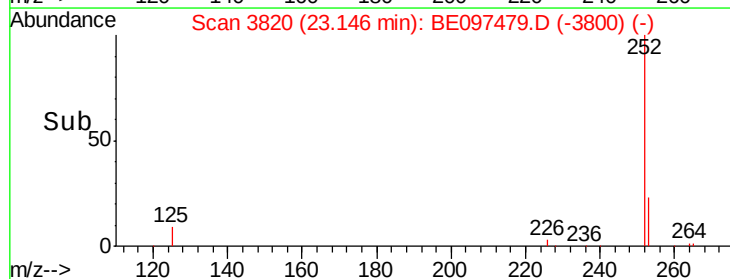
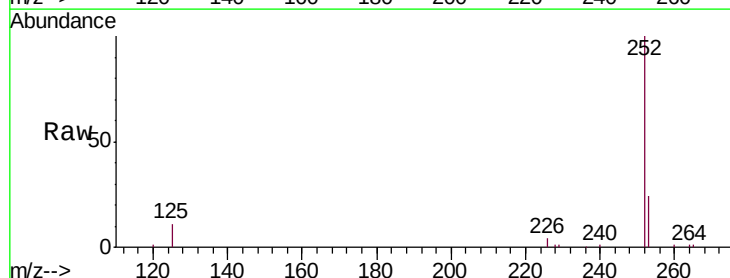
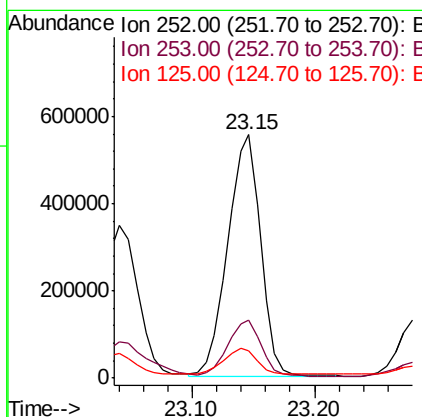
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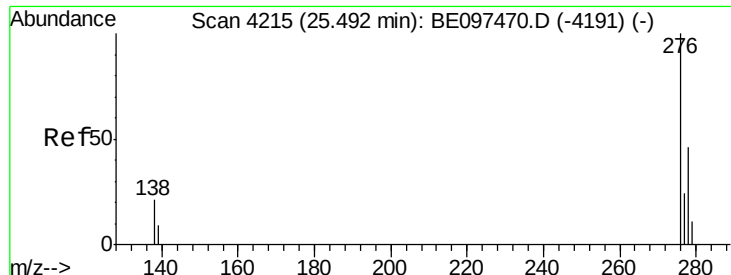
Sohil
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#23
Benzo(a)pyrene
Concen: 28.128 ng/ul m
RT: 23.15 min Scan# 3820
Delta R.T. 0.04 min
Lab File: BE097479.D
Acq: 13 Sep 2018 8:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	28.5	42.7#
125	11.0	18.1	27.1#





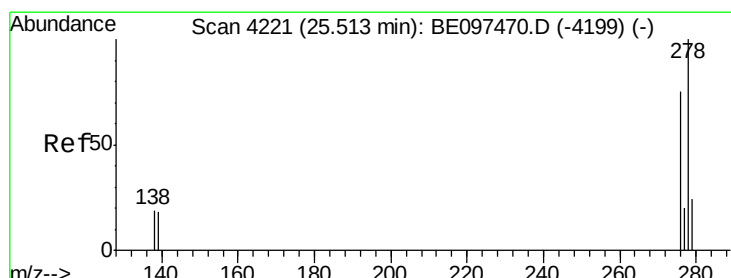
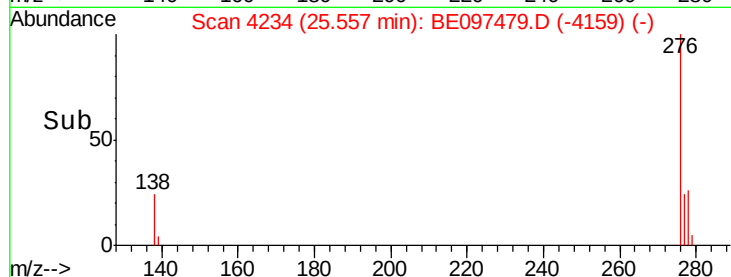
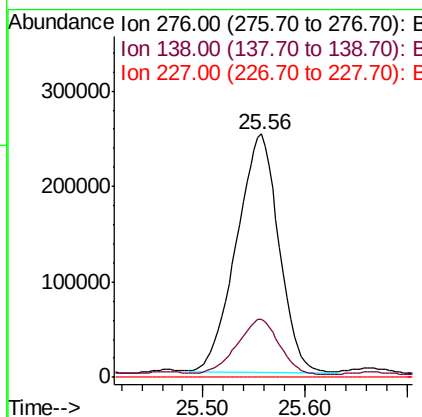
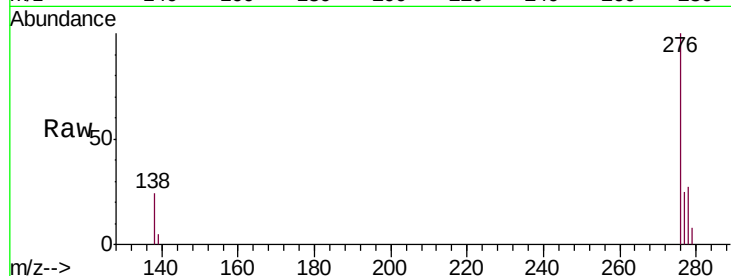
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 15.080 ng/ul
 RT: 25.56 min Scan# 4234
 Delta R.T. 0.07 min
 Lab File: BE097479.D
 Acq: 13 Sep 2018 8:38

Instrument :
 BNA_E
 ClientSampleId :
 A3YY5

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	23.1	28.0	42.0#
227	0.0	8.0	12.0#

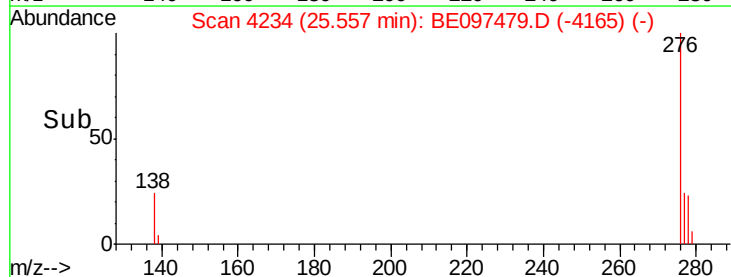
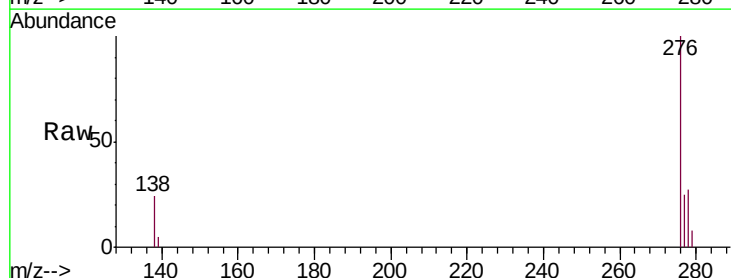
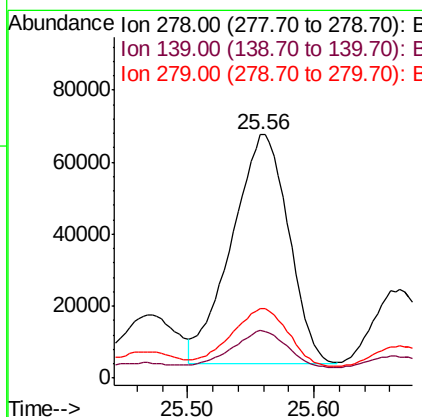
Manual Integrations
 APPROVED

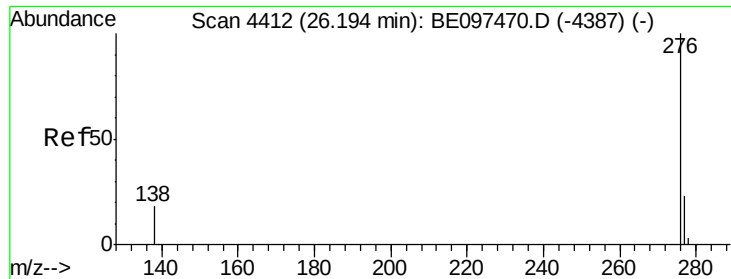
Sohil
 9/13/2018 5:43:06 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.945 ng/ul m
 RT: 25.56 min Scan# 4234
 Delta R.T. 0.04 min
 Lab File: BE097479.D
 Acq: 13 Sep 2018 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	19.5	17.4	26.0
279	28.7	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 17.210 ng/ul

RT: 26.27 min Scan# 4433

Delta R.T. 0.07 min

Lab File: BE097479.D

Acq: 13 Sep 2018 8:38

Instrument :

BNA_E

ClientSampleId :

A3YY5

Tgt Ion: 276 Resp: 698633

Ion Ratio Lower Upper

276 100

138 19.4 21.8 32.8#

277 25.1 20.5 30.7

Manual Integrations
APPROVED

Sohil

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