

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101218\
 Data File : BE097886.D
 Acq On : 12 Oct 2018 14:09
 Operator : SJ/JU
 Sample : J5183-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JLC38

Manual Integrations
 APPROVED

Sohil
 10/15/2018 3:55:40 PM

Quant Time: Oct 12 16:12:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 12 15:27:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	2354	0.40	ng/ul	0.00
2) Naphthalene-d8	10.71	136	11520	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	8111	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.32	188	17105m	0.40	ng/ul	0.01
16) Chrysene-d12	21.51	240	17058m	0.40	ng/ul	0.02
20) Perylene-d12	24.10	264	17357m	0.40	ng/ul	0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.30	152	4209	0.22	ng/ul	0.01
14) Fluoranthene-d10	19.35	212	11366m	0.21	ng/ul	0.01
Target Compounds				Qvalue		
3) Naphthalene	10.76	128	23988	0.856	ng/ul	96
5) 2-Methylnaphthalene	12.38	142	31296	1.543	ng/ul	100
7) Acenaphthylene	14.28	152	3052	0.099	ng/ul#	48
8) Acenaphthene	14.63	153	12187	0.512	ng/ul	98
9) Fluorene	15.62	166	15535	0.500	ng/ul#	95
12) Phenanthrene	17.37	178	241963m	5.975	ng/ul	
13) Anthracene	17.46	178	60289m	1.607	ng/ul	
15) Fluoranthene	19.39	202	401584m	7.722	ng/ul	
17) Pyrene	19.75	202	378973	7.458	ng/ul	100
18) Benzo(a)anthracene	21.49	228	182686m	3.542	ng/ul	
19) Chrysene	21.55	228	193283m	4.171	ng/ul	
21) Benzo(b)fluoranthene	23.31	252	221431m	4.773	ng/ul	
22) Benzo(k)fluoranthene	23.35	252	64089m	1.291	ng/ul	
23) Benzo(a)pyrene	23.98	252	177102m	3.889	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.83	276	107044m	2.070	ng/ul	
25) Dibenzo(a,h)anthracene	26.84	278	32505m	0.761	ng/ul	
26) Benzo(g,h,i)perylene	27.68	276	150821	3.348	ng/ul#	88

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

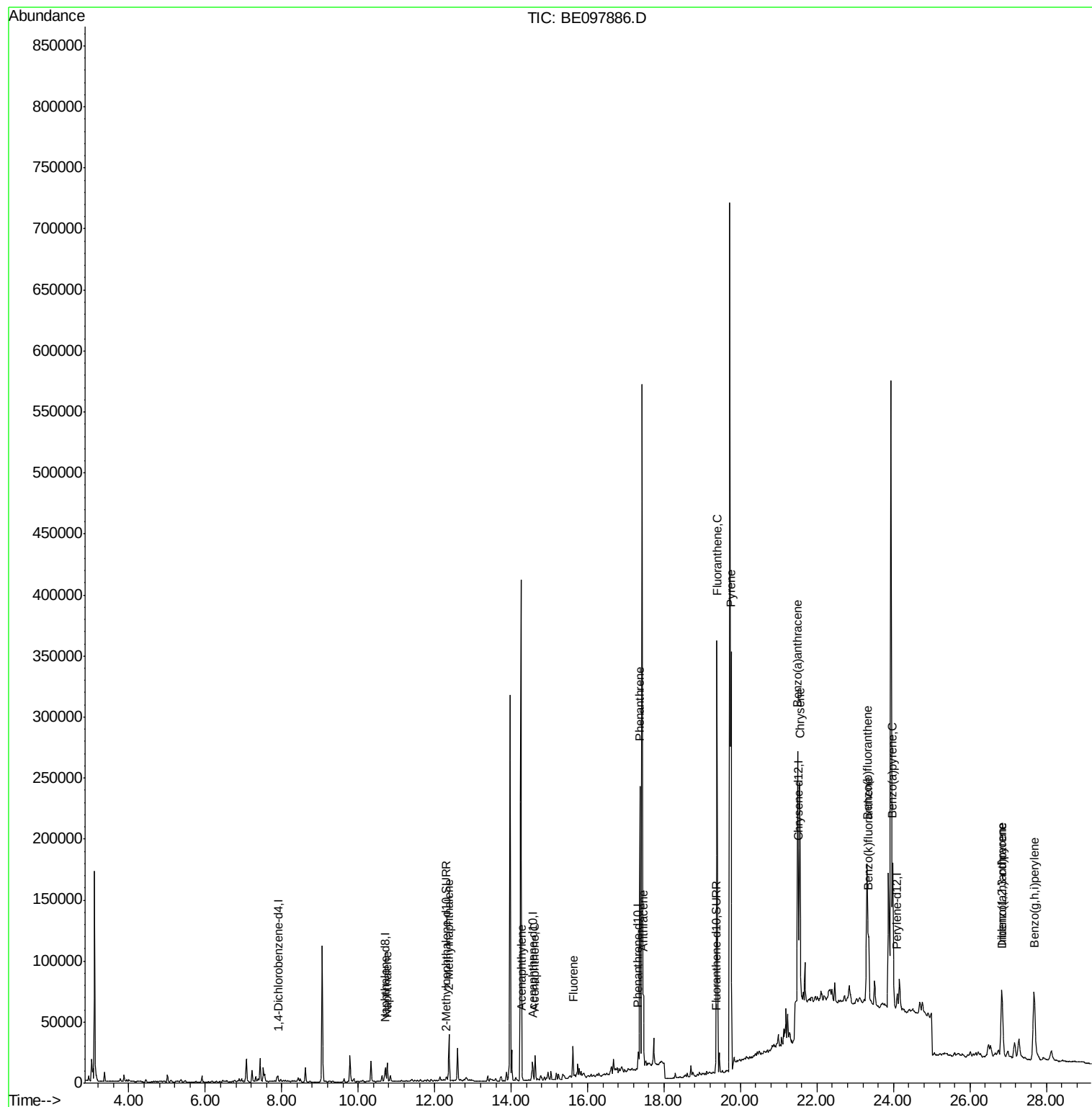
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101218\
Data File : BE097886.D
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Operator : SJ/JU
Sample : J5183-21
Misc :
ALS Vial : 9 Sample Multiplier: 1

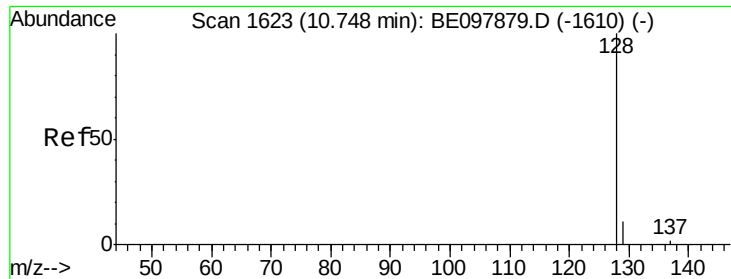
Instrument :
BNA_E
ClientSampled :
JLC38

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Quant Time: Oct 12 16:12:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE101118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 12 15:27:33 2018
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#3

Naphthalene

Concen: 0.856 ng/ul

RT: 10.76 min Scan# 1624

Delta R.T. 0.01 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Instrument :

BNA_E

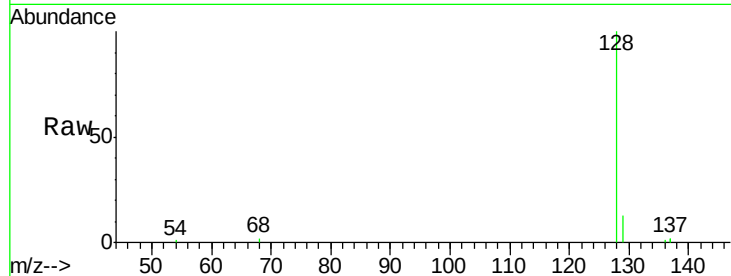
ClientSampleId :

JLC38

Tgt Ion:	128	Resp:	23988
Ion Ratio	Lower	Upper	
128	100		
129	13.0	9.1	13.7
127	0.0	0.0	0.0

Manual Integrations
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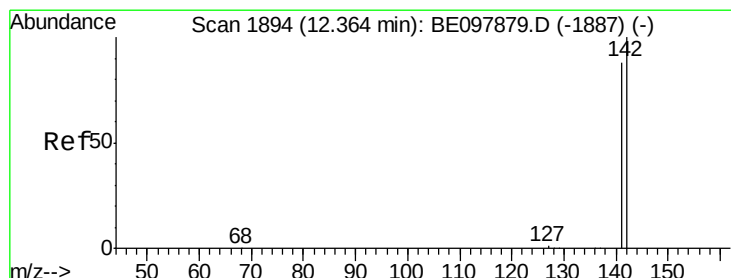
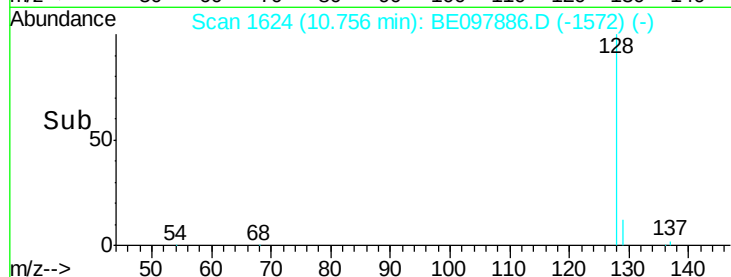
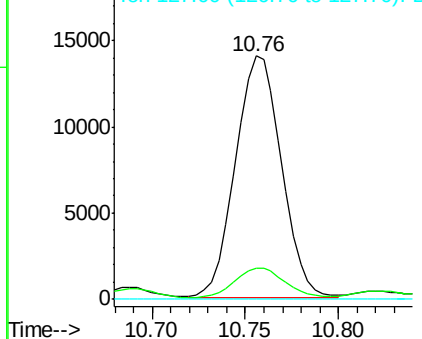
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.543 ng/ul

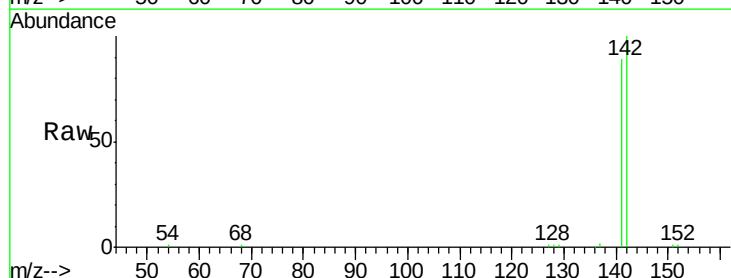
RT: 12.38 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BE097886.D

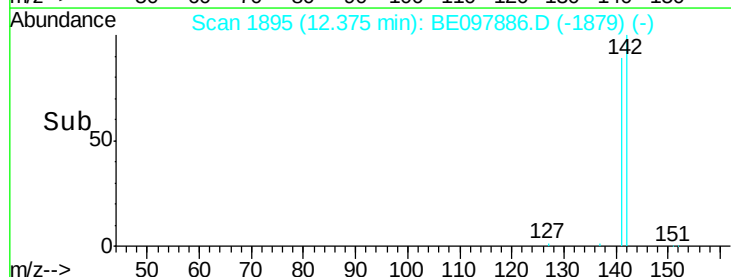
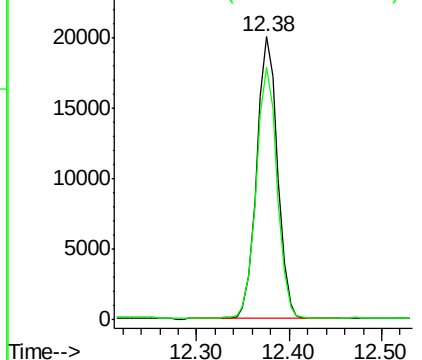
Acq: 12 Oct 2018 14:09

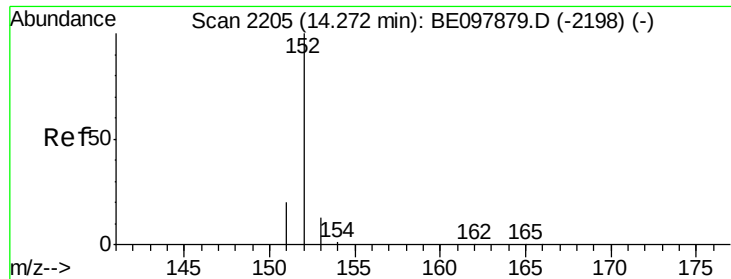
Tgt Ion:	142	Resp:	31296
Ion Ratio	Lower	Upper	
142	100		
141	89.5	71.6	107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.099 ng/ul

RT: 14.28 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Instrument :

BNA_E

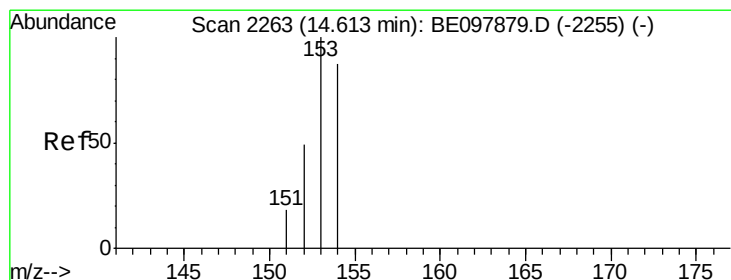
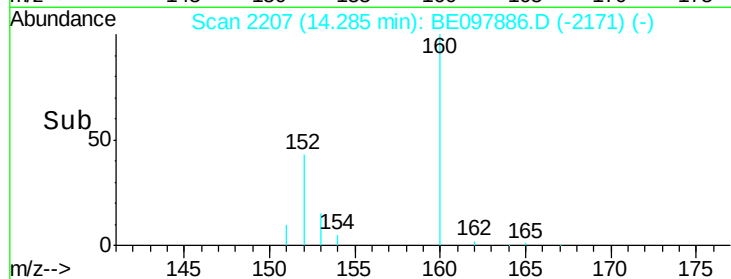
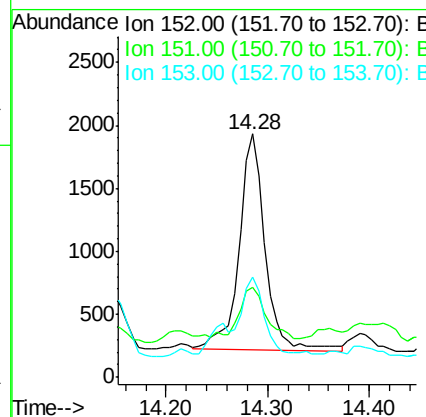
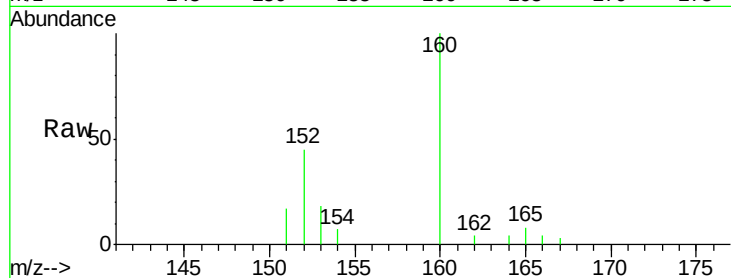
ClientSampleId :

JLC38

Tgt Ion:	152	Resp:	3052
Ion Ratio	Lower	Upper	
152	100		
151	36.9	15.0	22.6#
153	40.9	10.5	15.7#

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#8

Acenaphthene

Concen: 0.512 ng/ul

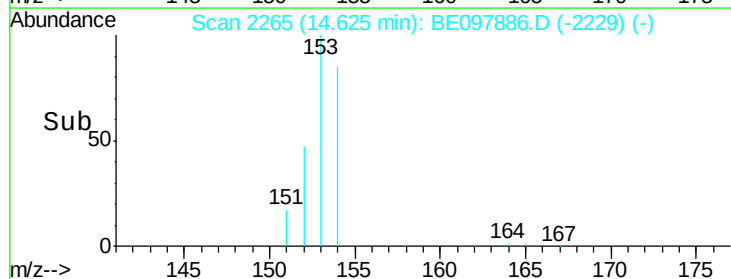
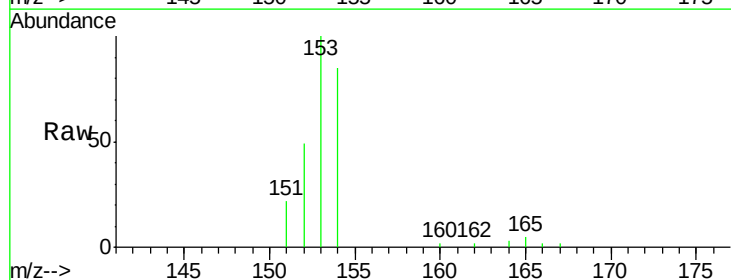
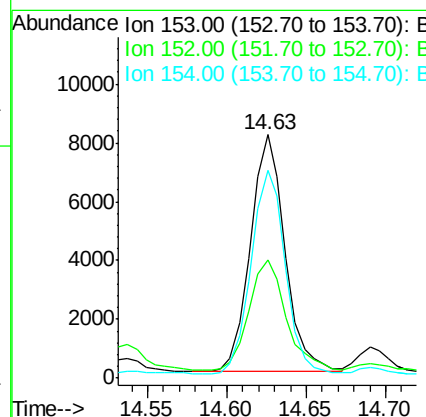
RT: 14.63 min Scan# 2265

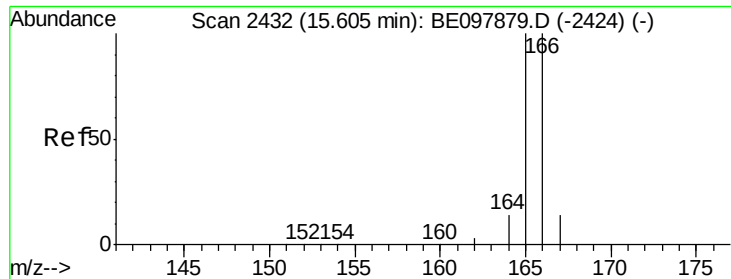
Delta R.T. 0.01 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Tgt Ion:	153	Resp:	12187
Ion Ratio	Lower	Upper	
153	100		
152	48.5	41.2	61.8
154	85.3	68.6	103.0





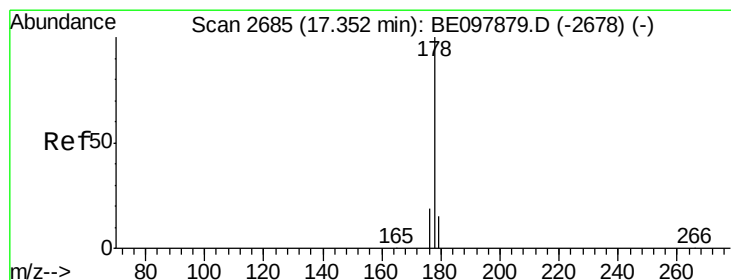
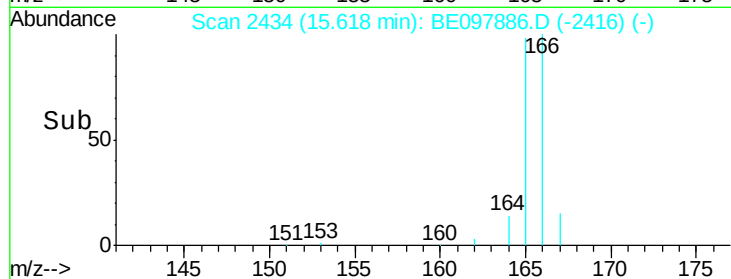
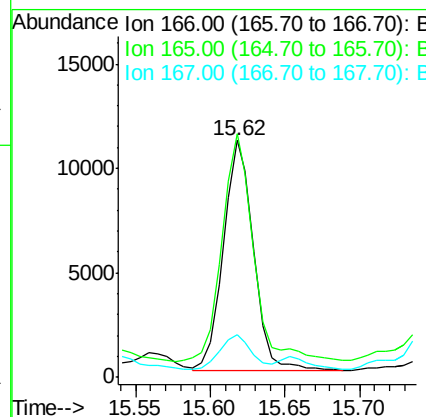
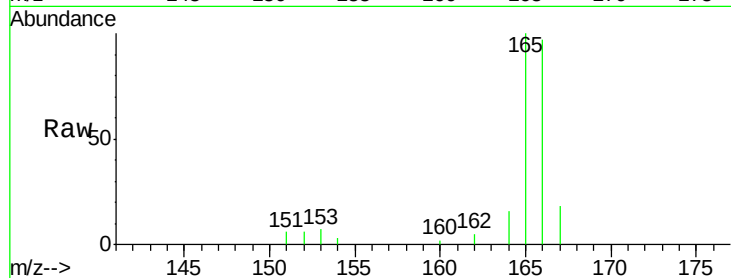
#9
Fluorene
 Concen: 0.500 ng/ul
 RT: 15.62 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Instrument :
 BNA_E
 ClientSampleId :
 JLC38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.9	79.2	118.8
167	18.1	11.3	16.9

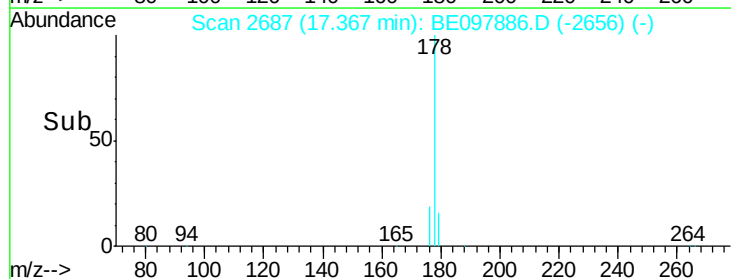
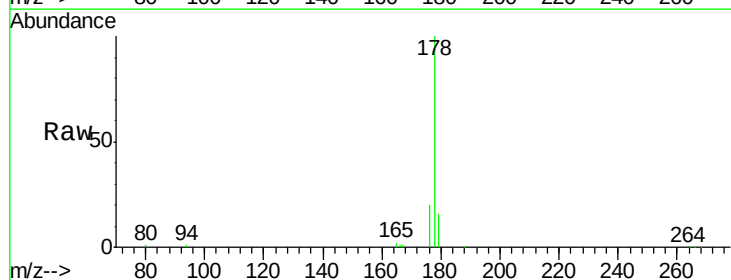
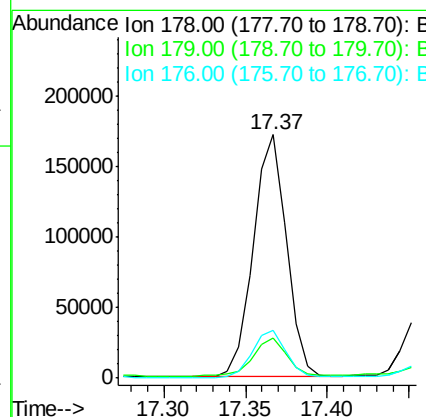
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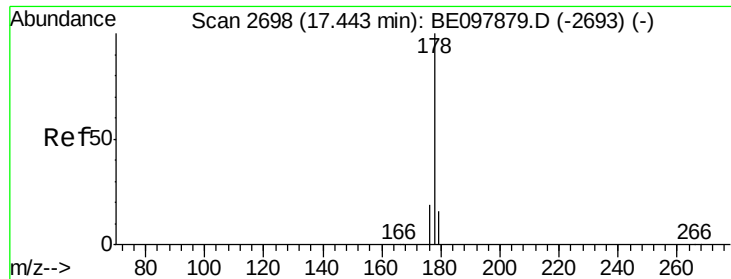
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#12
Phenanthrene
 Concen: 5.975 ng/ul m
 RT: 17.37 min Scan# 2687
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.8	19.2
176	19.5	14.9	22.3





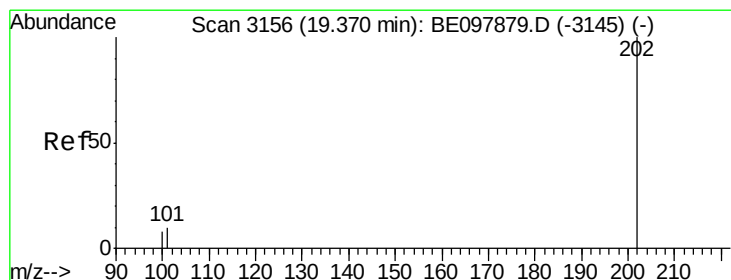
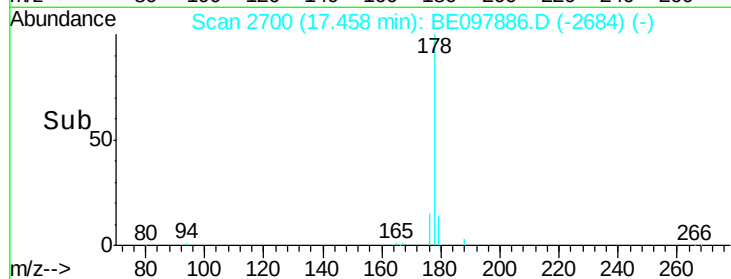
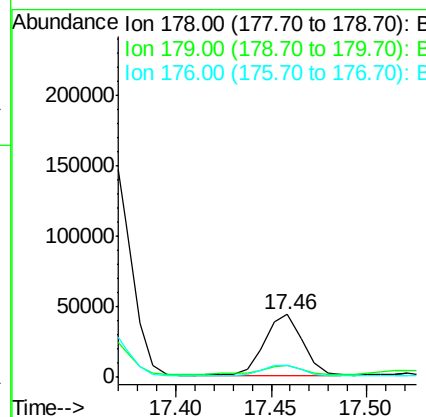
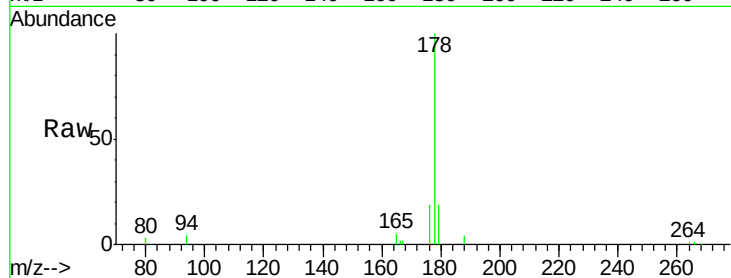
#13
 Anthracene
 Concen: 1.607 ng/ul m
 RT: 17.46 min Scan# 2700
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Instrument :
 BNA_E
 ClientSampleId :
 JLC38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.9	19.3
176	19.2	15.5	23.3

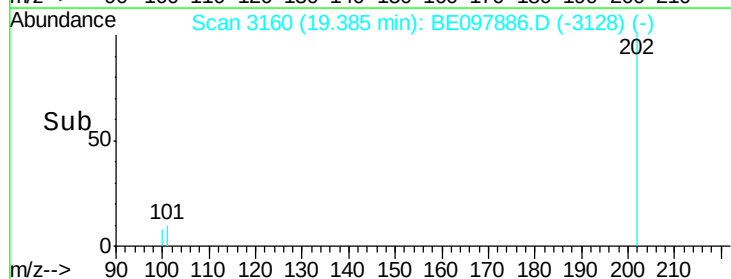
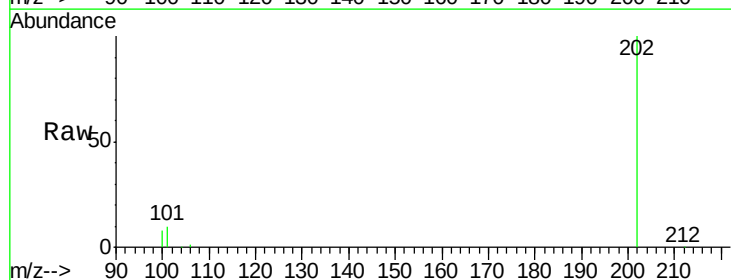
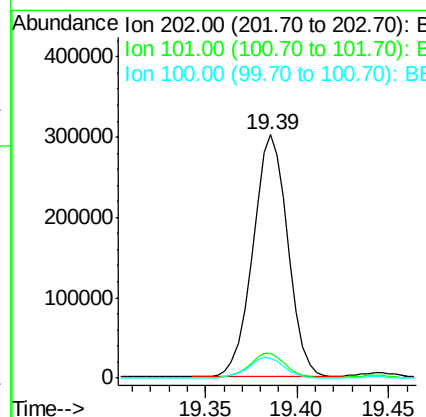
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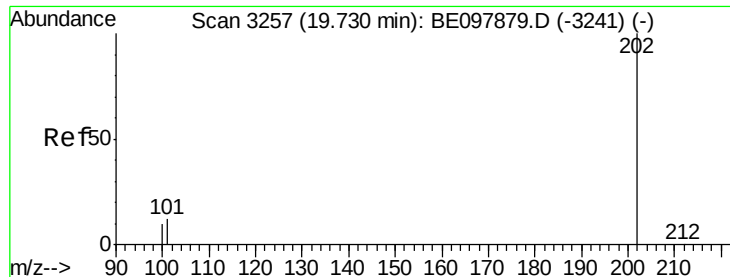
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#15
 Fluoranthene
 Concen: 7.722 ng/ul m
 RT: 19.39 min Scan# 3160
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.3
100	8.2	0.0	27.5





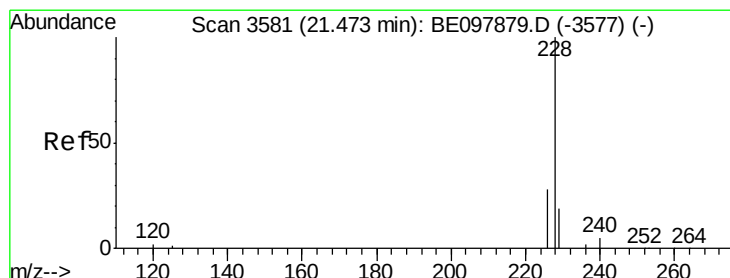
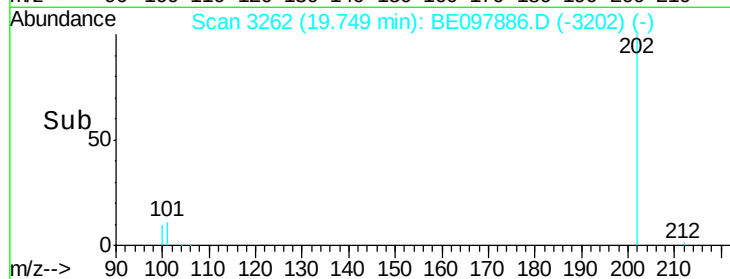
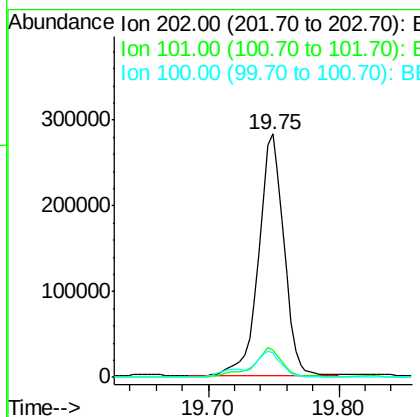
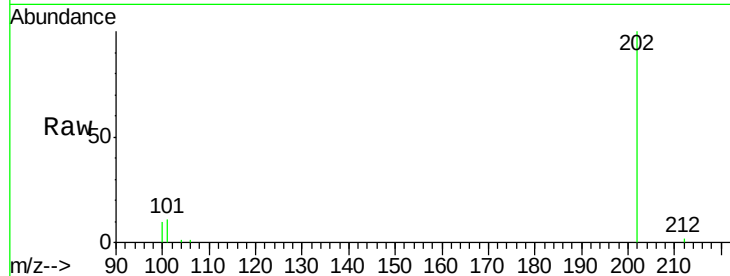
#17
Pyrene
 Concen: 7.458 ng/ul
 RT: 19.75 min Scan# 3262
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Instrument :
 BNA_E
 ClientSampleId :
 JLC38

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.3	8.8	13.2
100	9.9	7.9	11.9

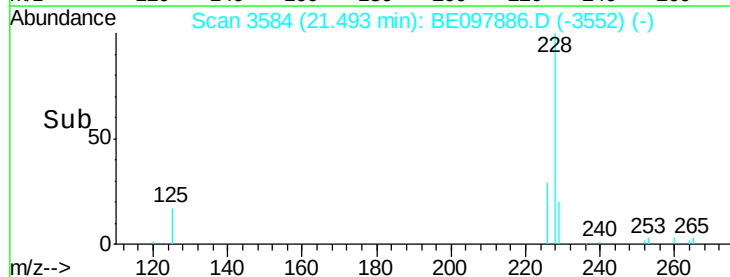
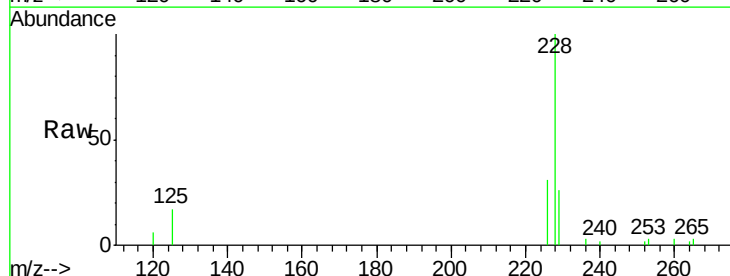
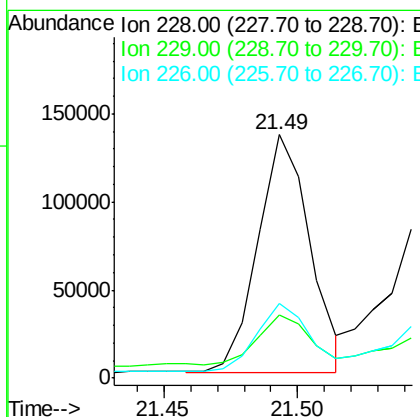
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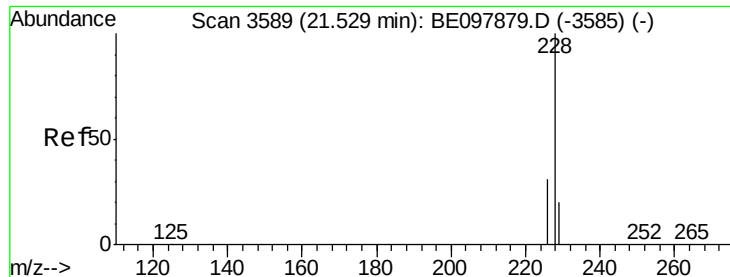
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#18
Benzo(a)anthracene
 Concen: 3.542 ng/ul m
 RT: 21.49 min Scan# 3584
 Delta R.T. 0.01 min
 Lab File: BE097886.D
 Acq: 12 Oct 2018 14:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	25.8	16.4	24.6#
226	30.6	21.5	32.3





#19

Chrysene

Concen: 4.171 ng/ul m

RT: 21.55 min Scan# 3592

Delta R.T. 0.01 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Instrument :

BNA_E

ClientSampleId :

JLC38

Tgt Ion: 228 Resp: 193283
Ion Ratio Lower Upper

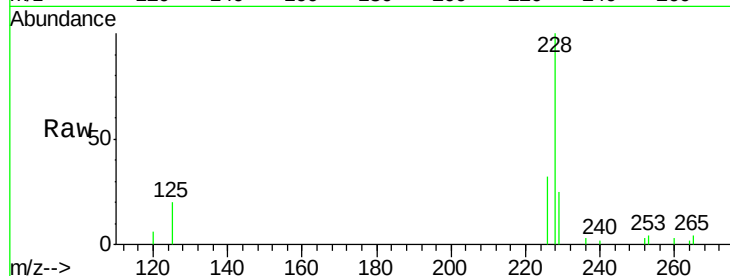
228 100

226 32.4 23.0 34.4

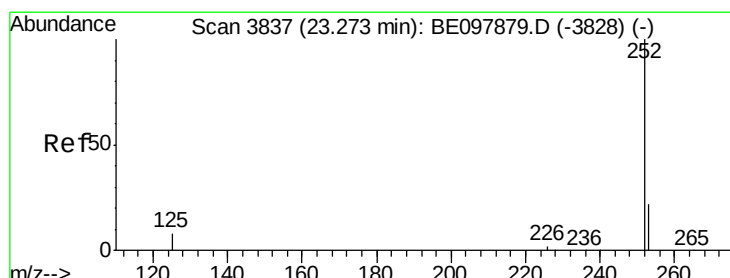
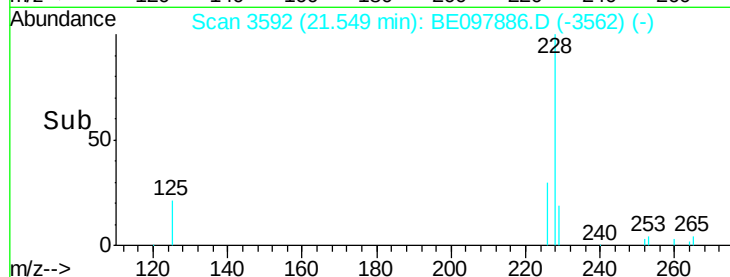
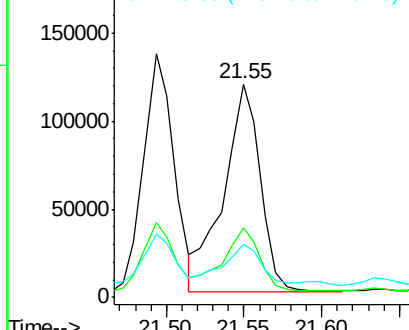
229 24.8 15.5 23.3#

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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: 4.773 ng/ul m

RT: 23.31 min Scan# 3842

Delta R.T. 0.04 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

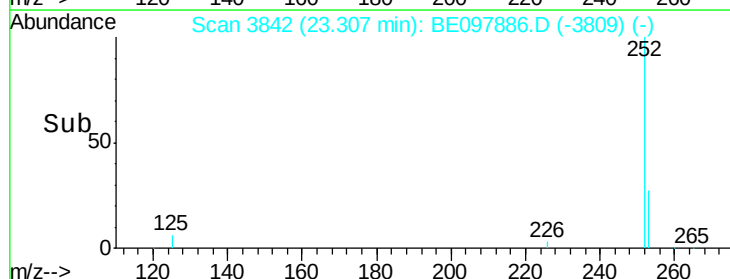
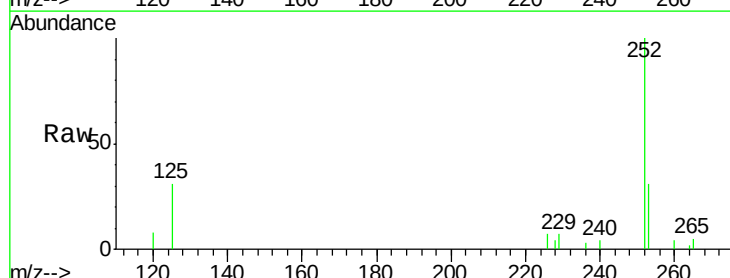
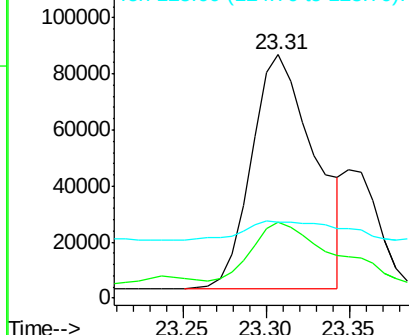
Tgt Ion: 252 Resp: 221431
Ion Ratio Lower Upper

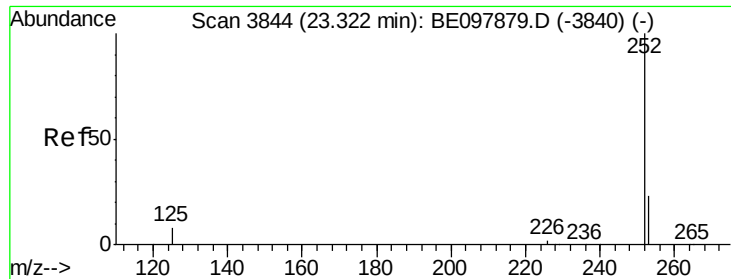
252 100

253 31.0 0.0 47.0

125 31.4 0.0 18.2#

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





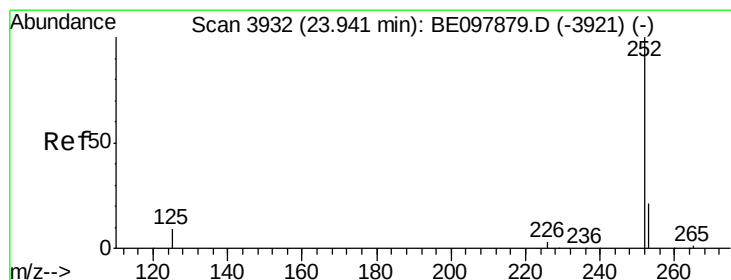
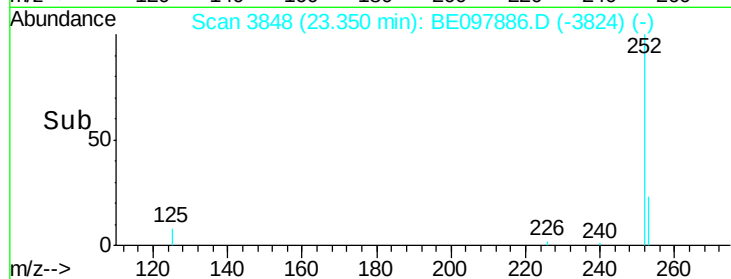
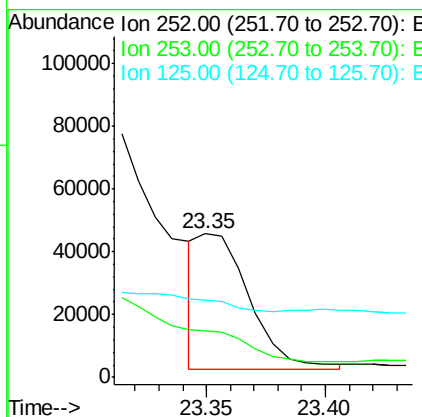
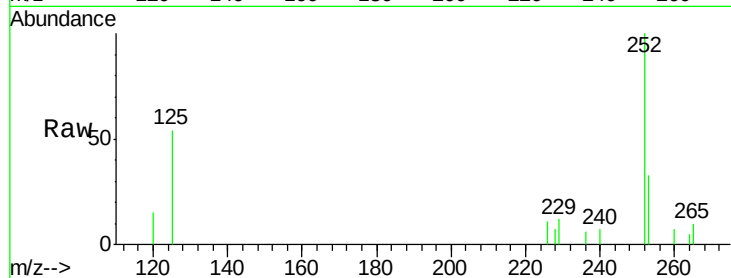
#22
Benzo(k)fluoranthene
Concen: 1.291 ng/ul m
RT: 23.35 min Scan# 3848
Delta R.T. 0.02 min
Lab File: BE097886.D
Acq: 12 Oct 2018 14:09

Instrument :
BNA_E
ClientSampled :
JLC38

Tgt Ion:252 Resp: 64089
Ion Ratio Lower Upper
252 100
253 32.5 17.8 26.6#
125 54.1 9.4 14.0#

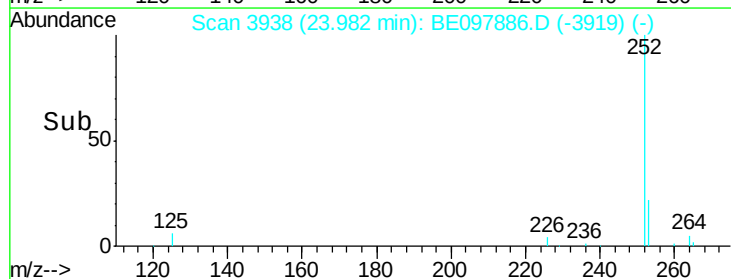
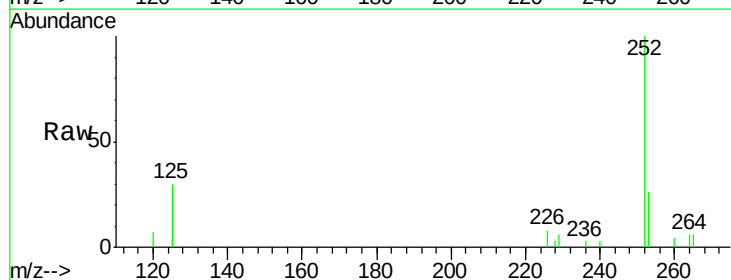
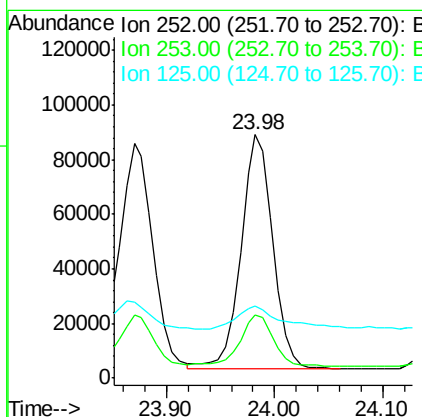
Manual Integrations
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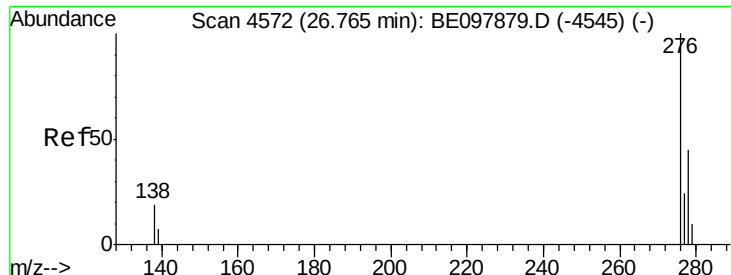
Sohil
10/15/2018 3:55:40 PM



#23
Benzo(a)pyrene
Concen: 3.889 ng/ul m
RT: 23.98 min Scan# 3938
Delta R.T. 0.04 min
Lab File: BE097886.D
Acq: 12 Oct 2018 14:09

Tgt Ion:252 Resp: 177102
Ion Ratio Lower Upper
252 100
253 25.9 18.2 27.4
125 29.7 8.3 12.5#





#24

Indeno(1,2,3-cd)pyrene

Concen: 2.070 ng/ul m

RT: 26.83 min Scan# 4591

Delta R.T. 0.06 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Instrument :

BNA_E

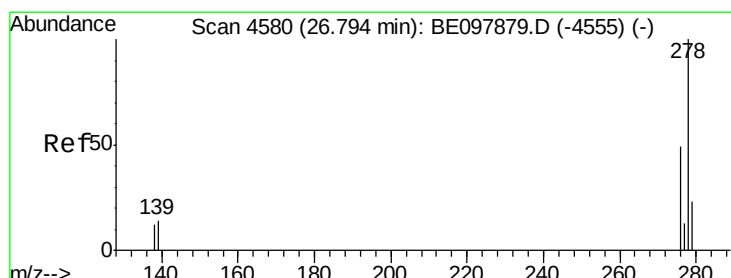
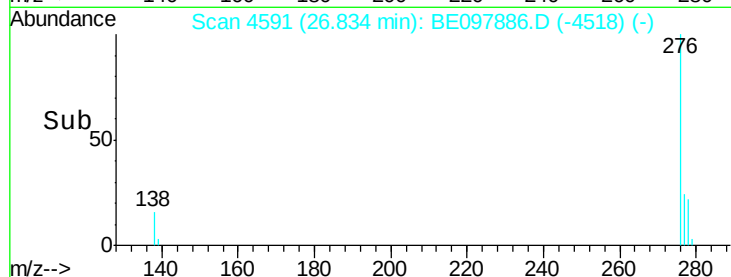
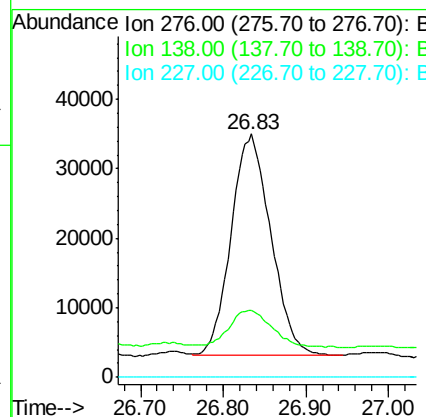
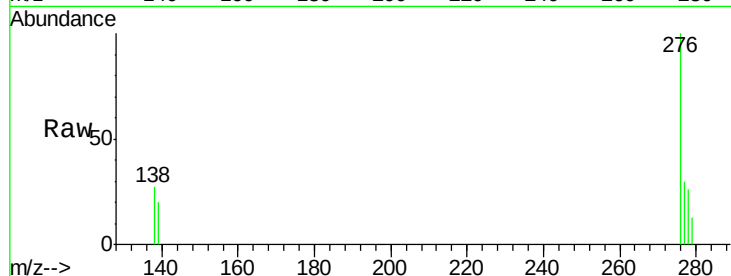
ClientSampleId :

JLC38

Tgt Ion:	276	Resp:	107044
Ion Ratio	Lower	Upper	
276	100		
138	0.0	0.0	0.0
227	0.0	0.0	0.0

Manual Integrations
APPROVED

Sohil
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#25

Dibenzo(a,h)anthracene

Concen: 0.761 ng/ul m

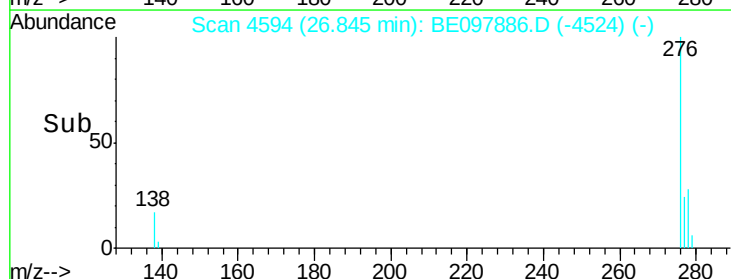
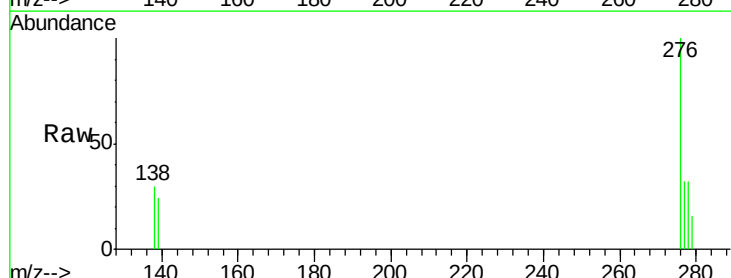
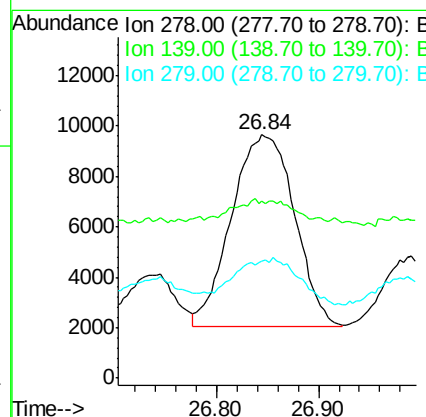
RT: 26.84 min Scan# 4594

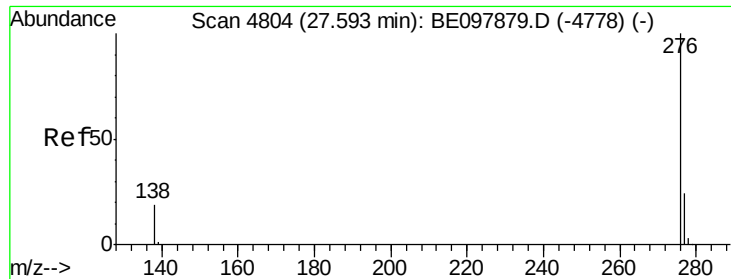
Delta R.T. 0.05 min

Lab File: BE097886.D

Acq: 12 Oct 2018 14:09

Tgt Ion:	278	Resp:	32505
Ion Ratio	Lower	Upper	
278	100		
139	72.9	10.9	16.3#
279	48.0	18.8	28.2#





#26

Benzo(g,h,i)perylene

Concen: 3.348 ng/ul

RT: 27.68 min Scan# 4828

Delta R.T. 0.09 min

Lab File: BE097886.D

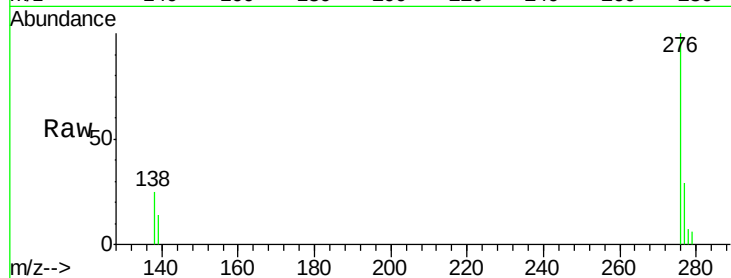
Acq: 12 Oct 2018 14:09

Instrument :

BNA_E

ClientSampleId :

JLC38



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		150821		
138	25.2	14.3	21.5#		
277	28.5	19.5	29.3		

Manual Integrations
APPROVED

Sohil
10/15/2018 3:55:40 PM

