

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101218\
 Data File : BE097880.D
 Acq On : 12 Oct 2018 10:28
 Operator : SJ/JU
 Sample : J5183-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JLC32

Manual Integrations
 APPROVED

Sohil
 10/15/2018 3:55:26 PM

Quant Time: Oct 12 14:52:10 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 04:56:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	2399	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	11930	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	8830	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.31	188	19192m	0.40	ng/ul	0.00
16) Chrysene-d12	21.50	240	17179m	0.40	ng/ul	0.00
20) Perylene-d12	24.08	264	17703m	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	5592	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.34	212	15227m	0.25	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.75	128	39533	1.362	ng/ul	100
5) 2-Methylnaphthalene	12.36	142	21250	1.012	ng/ul	100
7) Acenaphthylene	14.27	152	56530	1.692	ng/ul	96
8) Acenaphthene	14.61	153	26514	1.023	ng/ul	98
9) Fluorene	15.61	166	35641	1.054	ng/ul	98
11) Pentachlorophenol	16.96	266	10424m	3.853	ng/ul	
12) Phenanthrene	17.35	178	595385m	13.104	ng/ul	
13) Anthracene	17.44	178	111588m	2.650	ng/ul	
15) Fluoranthene	19.38	202	1307792m	22.412	ng/ul	
17) Pyrene	19.74	202	1357940	26.534	ng/ul	97
18) Benzo(a)anthracene	21.49	228	672236m	12.942	ng/ul	
19) Chrysene	21.54	228	1240714	26.585	ng/ul	94
21) Benzo(b)fluoranthene	23.30	252	1772426m	37.461	ng/ul	
22) Benzo(k)fluoranthene	23.34	252	533235m	10.529	ng/ul	
23) Benzo(a)pyrene	23.98	252	754898m	16.251	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.82	276	1051170m	19.934	ng/ul	
25) Dibenzo(a,h)anthracene	26.83	278	273259m	6.270	ng/ul	
26) Benzo(g,h,i)perylene	27.67	276	1203252m	26.188	ng/ul	

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

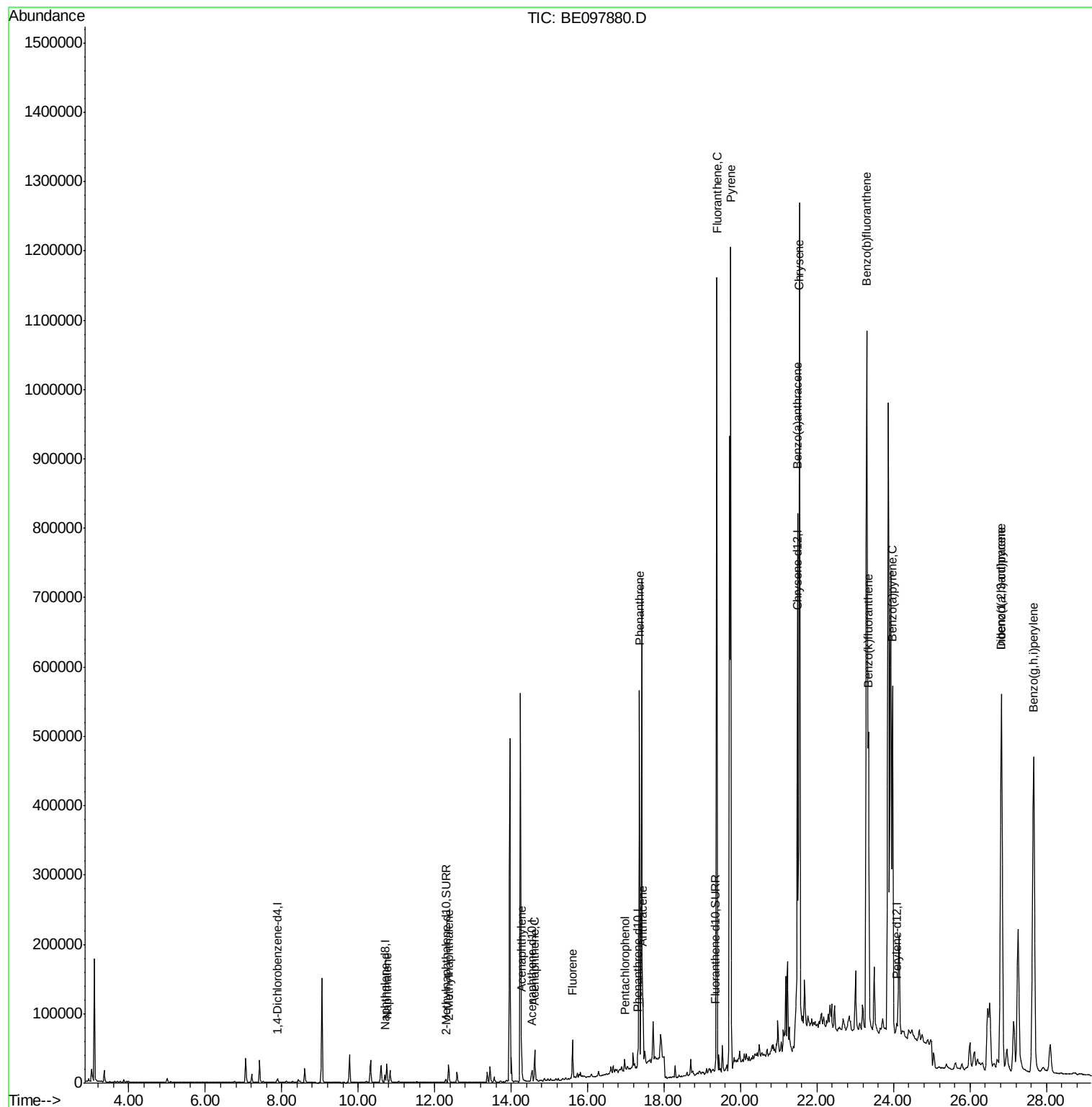
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101218\
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ALS Vial : 3 Sample Multiplier: 1

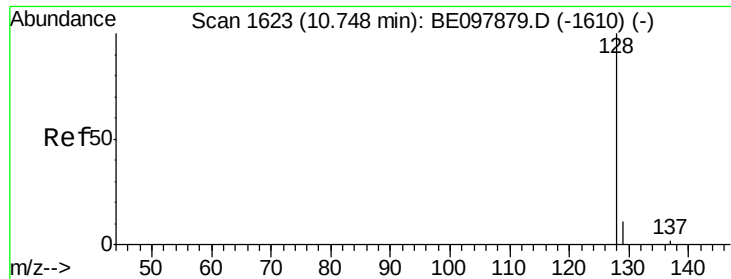
Instrument :
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#3

Naphthalene

Concen: 1.362 ng/ul

RT: 10.75 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Instrument :

BNA_E

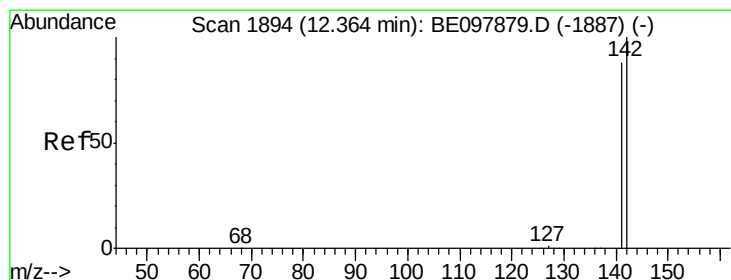
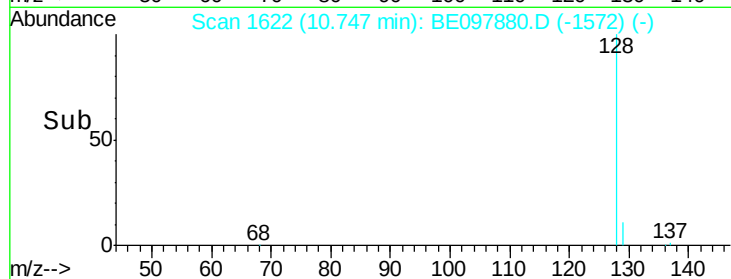
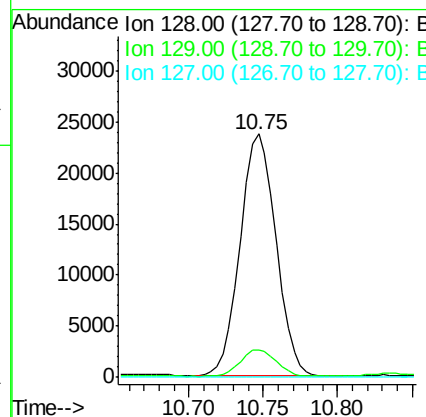
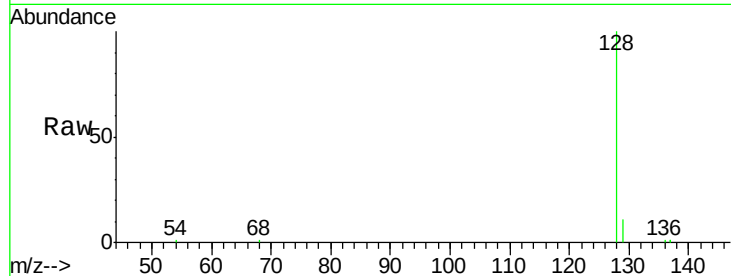
ClientSampleId :

JLC32

Tgt Ion:	128	Resp:	39533
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.1	13.7
127	0.0	0.0	0.0

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#5

2-Methylnaphthalene

Concen: 1.012 ng/ul

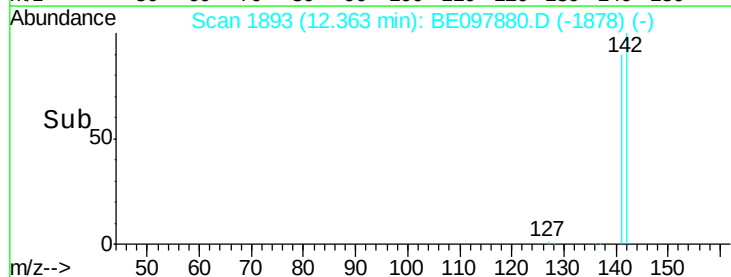
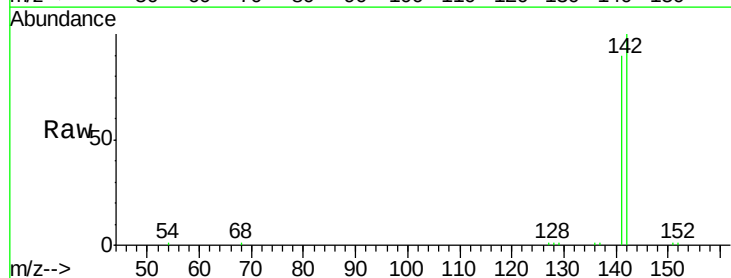
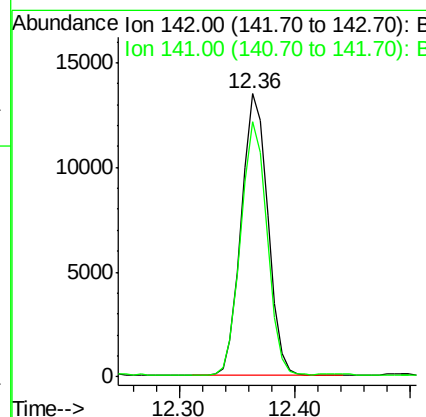
RT: 12.36 min Scan# 1893

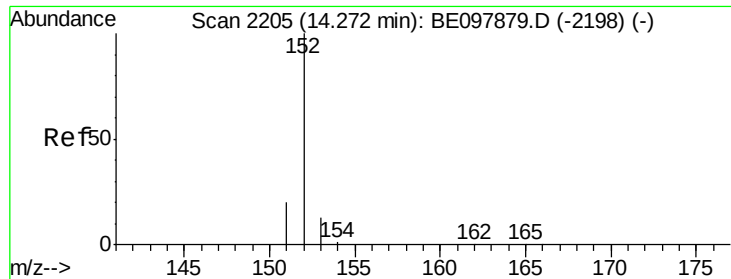
Delta R.T. -0.01 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Tgt Ion:	142	Resp:	21250
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.6	107.4





#7

Acenaphthylene

Concen: 1.692 ng/ul

RT: 14.27 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Instrument :

BNA_E

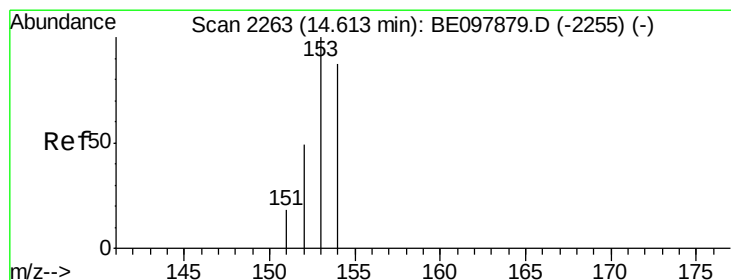
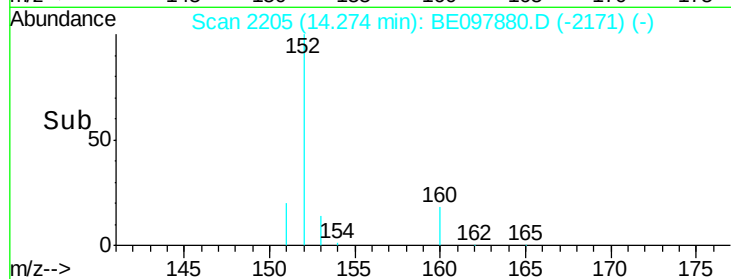
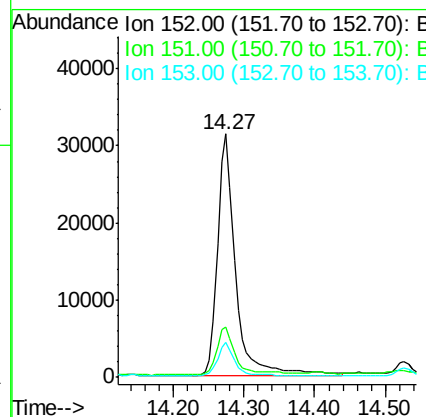
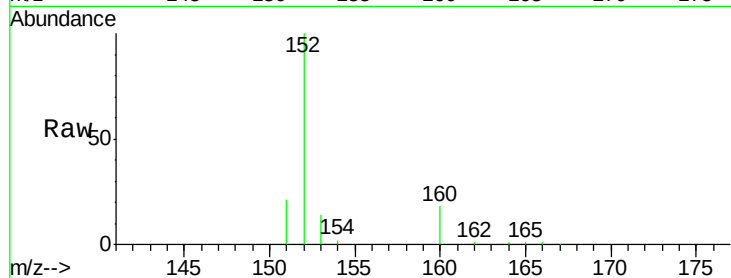
ClientSampleId :

JLC32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.0	22.6
153	14.2	10.5	15.7

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#8

Acenaphthene

Concen: 1.023 ng/ul

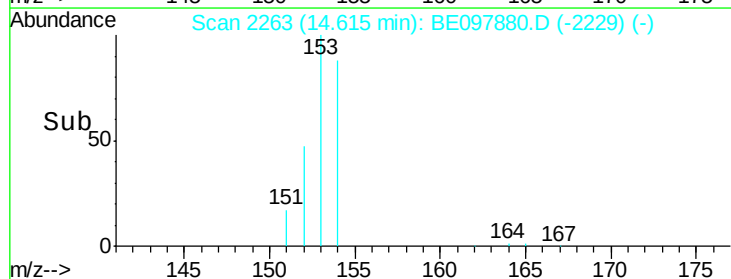
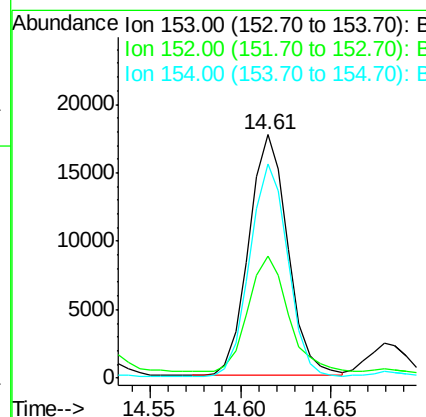
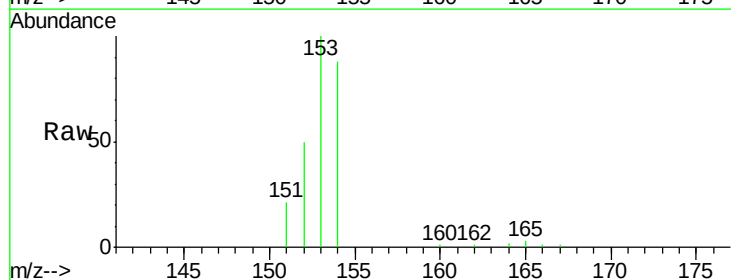
RT: 14.61 min Scan# 2263

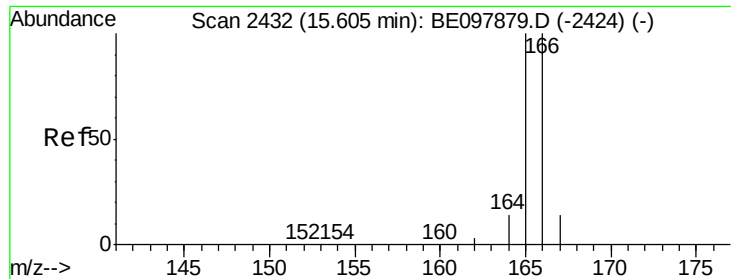
Delta R.T. 0.00 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.1	41.2	61.8
154	87.8	68.6	103.0





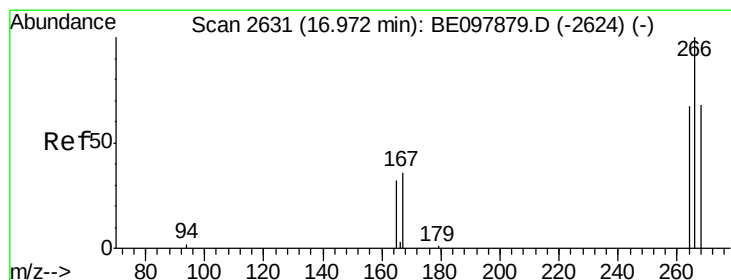
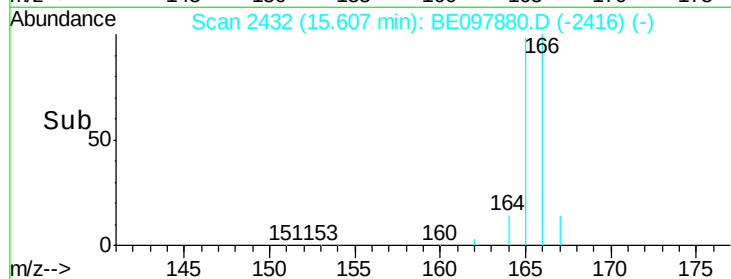
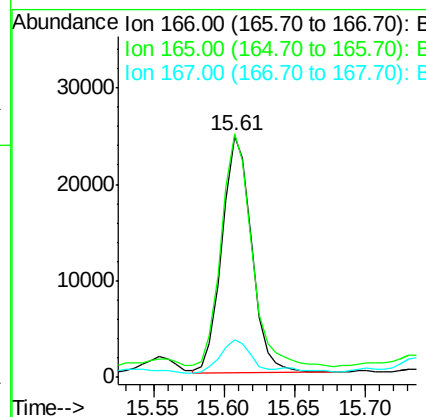
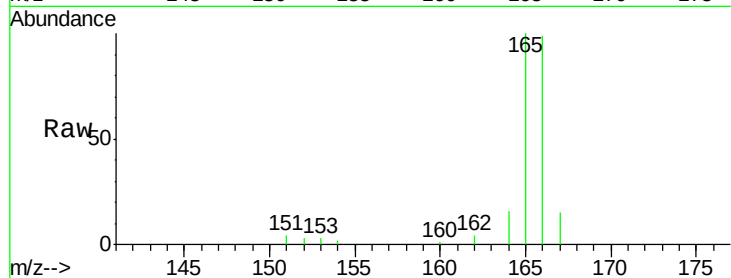
#9
Fluorene
 Concen: 1.054 ng/ul
 RT: 15.61 min Scan# 2432
 Delta R.T. -0.00 min
 Lab File: BE097880.D
 Acq: 12 Oct 2018 10:28

Instrument :
 BNA_E
 ClientSampleId :
 JLC32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.2	118.8
167	15.5	11.3	16.9

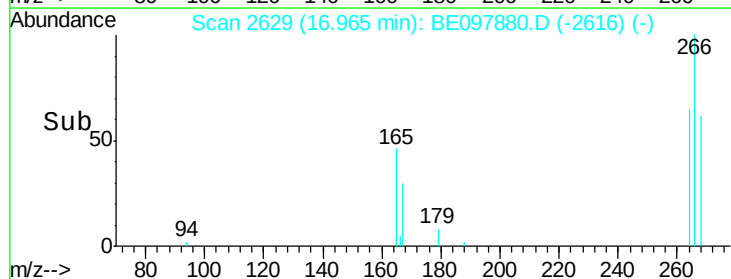
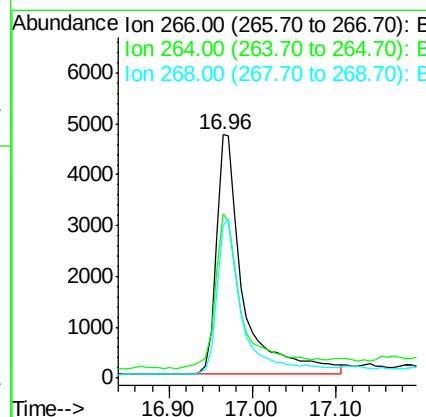
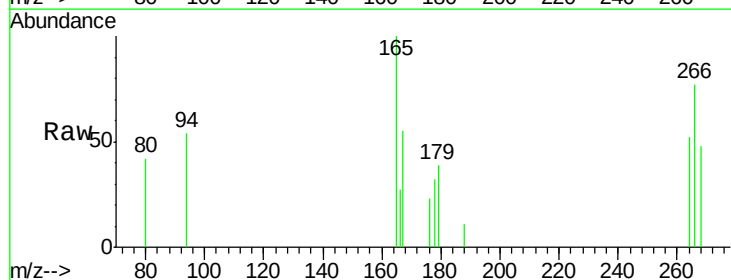
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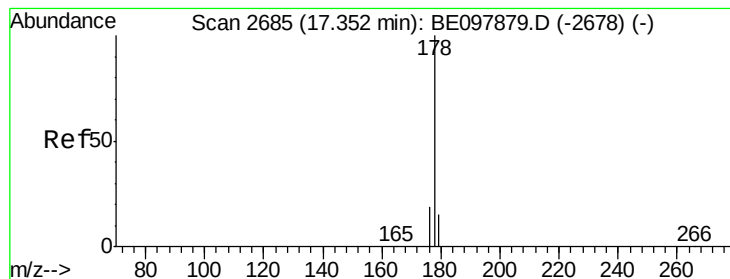
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#11
Pentachlorophenol
 Concen: 3.853 ng/ul m
 RT: 16.96 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BE097880.D
 Acq: 12 Oct 2018 10:28

Tgt Ion	Ratio	Lower	Upper
266	100		
264	0.0	49.8	74.8#
268	0.0	48.4	72.6#





#12

Phenanthrene

Concen: 13.104 ng/ul m

RT: 17.35 min Scan# 2684

Delta R.T. -0.00 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Instrument :

BNA_E

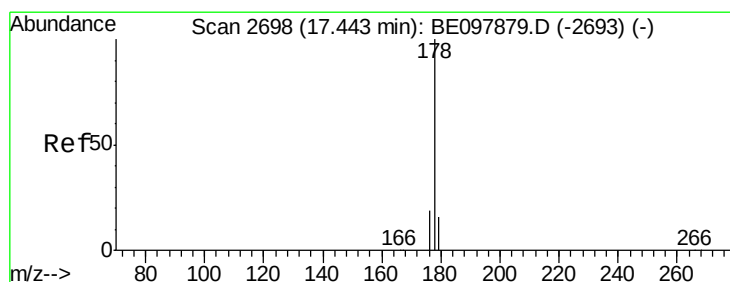
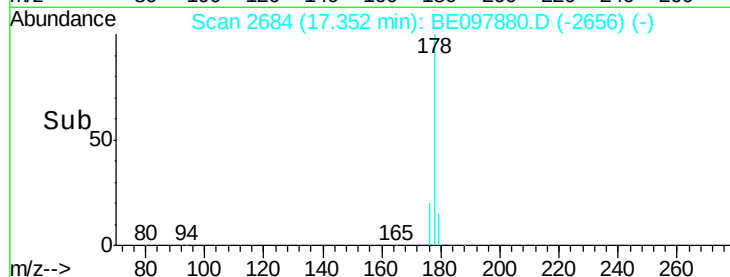
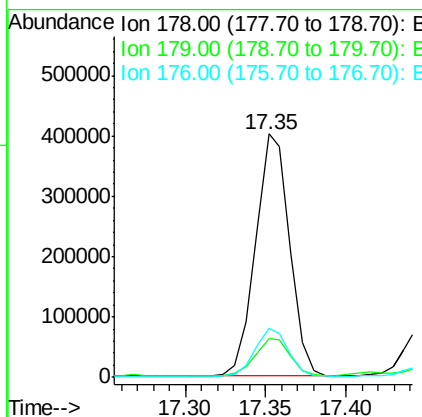
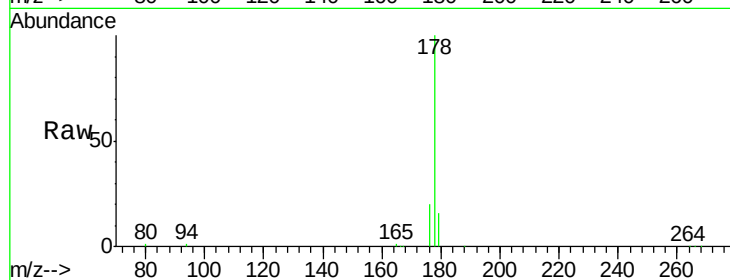
ClientSampleId :

JLC32

Tgt	Ion:178	Resp:	595385
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.8	19.2
176	20.4	14.9	22.3

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#13

Anthracene

Concen: 2.650 ng/ul m

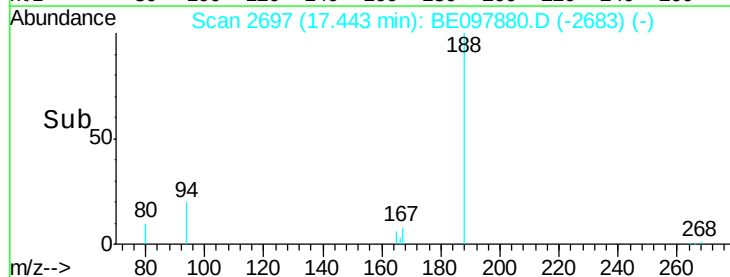
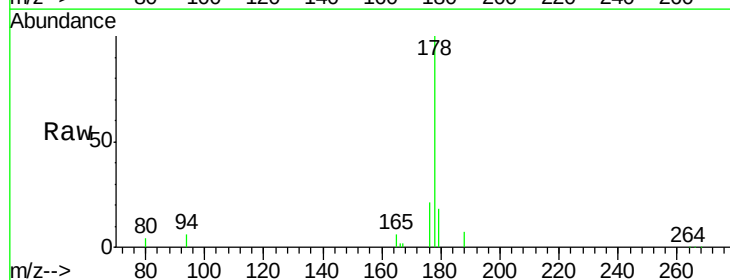
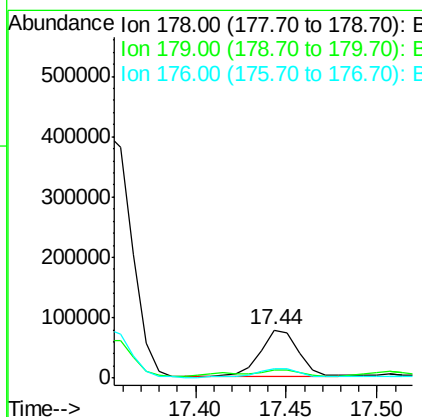
RT: 17.44 min Scan# 2697

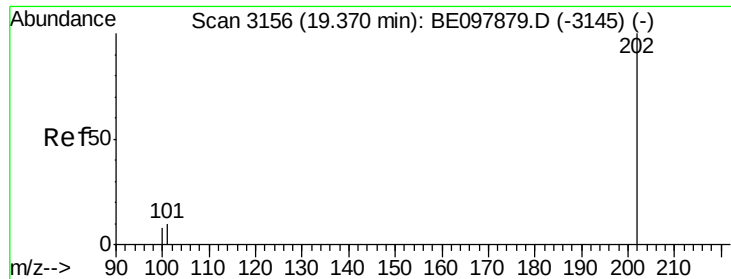
Delta R.T. -0.00 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Tgt	Ion:178	Resp:	111588
Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.9	19.3
176	20.8	15.5	23.3





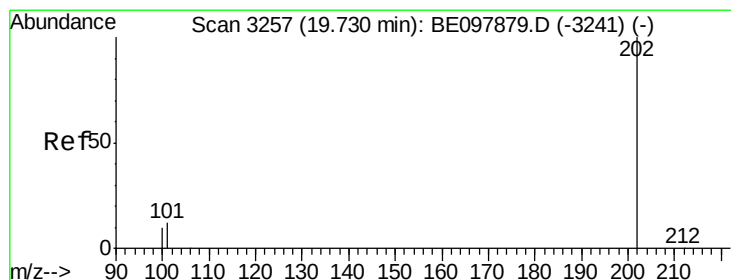
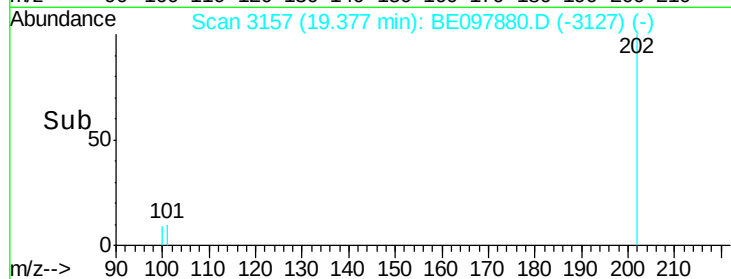
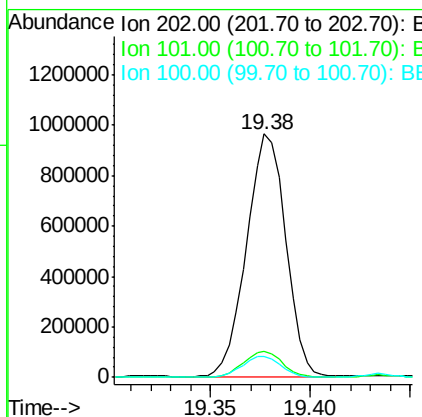
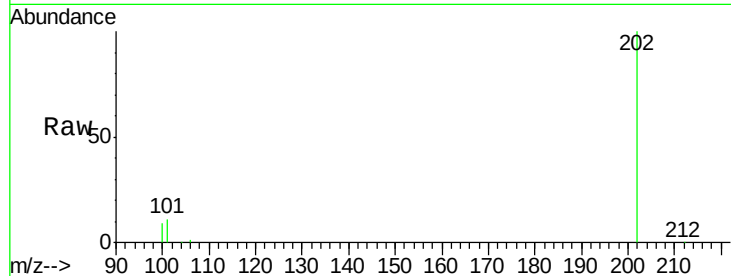
#15
Fluoranthene
 Concen: 22.412 ng/ul m
 RT: 19.38 min Scan# 3157
 Delta R.T. 0.01 min
 Lab File: BE097880.D
 Acq: 12 Oct 2018 10:28

Instrument :
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 JLC32

Tgt Ion:202 Resp: 1307792
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.3
 100 8.7 0.0 27.5

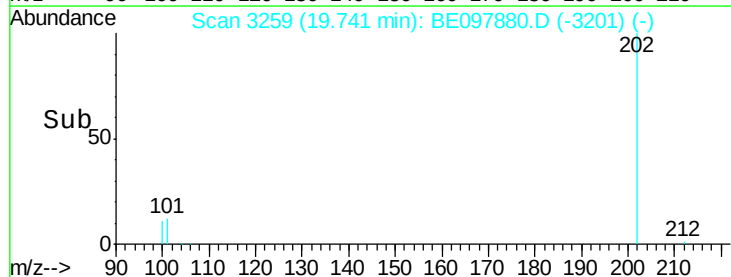
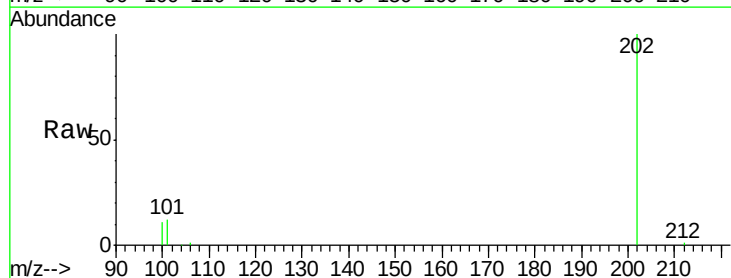
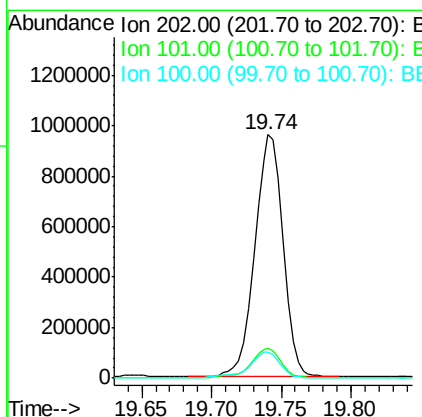
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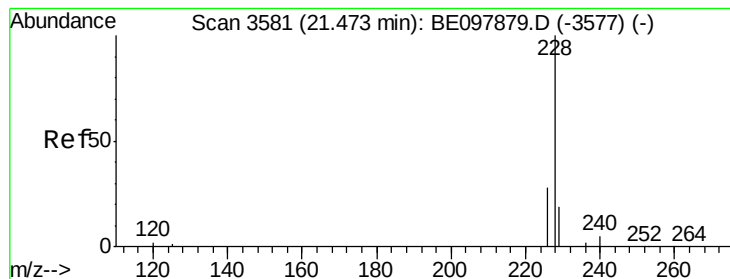
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#17
Pyrene
 Concen: 26.534 ng/ul
 RT: 19.74 min Scan# 3259
 Delta R.T. 0.01 min
 Lab File: BE097880.D
 Acq: 12 Oct 2018 10:28

Tgt Ion:202 Resp: 1357940
 Ion Ratio Lower Upper
 202 100
 101 12.3 8.8 13.2
 100 10.8 7.9 11.9





#18

Benzo(a)anthracene

Concen: 12.942 ng/ul m

RT: 21.49 min Scan# 3582

Delta R.T. 0.01 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Instrument :

BNA_E

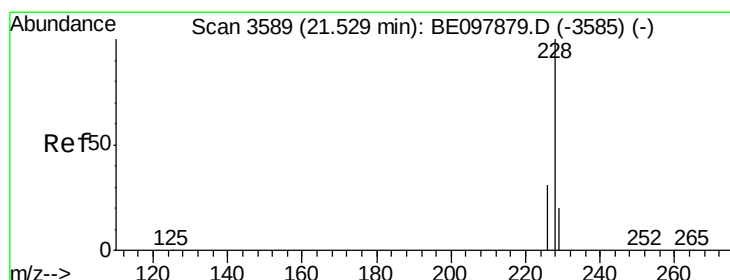
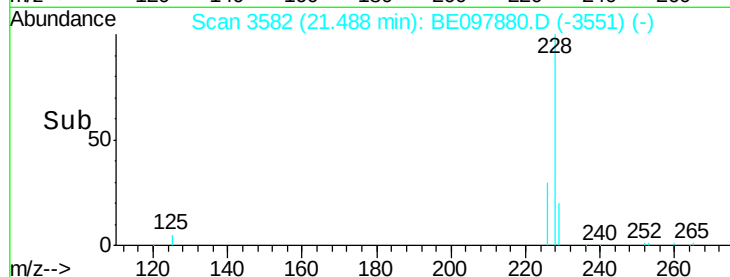
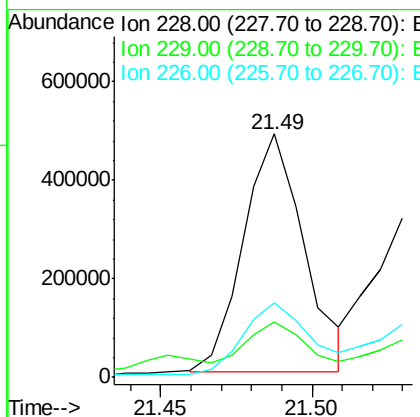
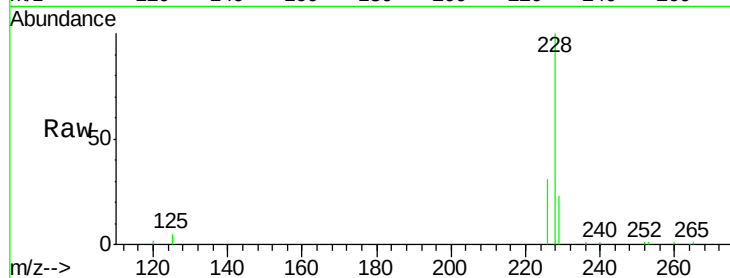
ClientSampleId :

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Tgt Ion:	228	Resp:	672236
Ion Ratio	Lower	Upper	
228	100		
229	22.8	16.4	24.6
226	30.5	21.5	32.3

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#19

Chrysene

Concen: 26.585 ng/ul

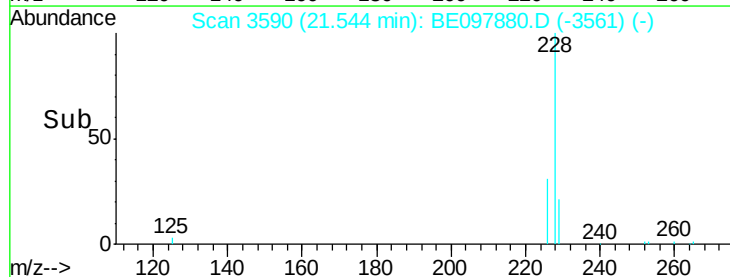
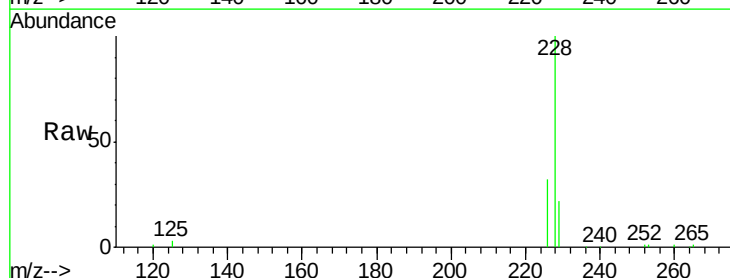
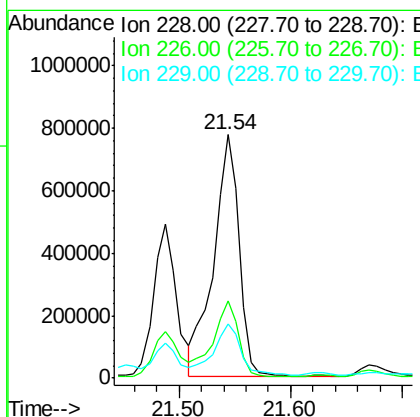
RT: 21.54 min Scan# 3590

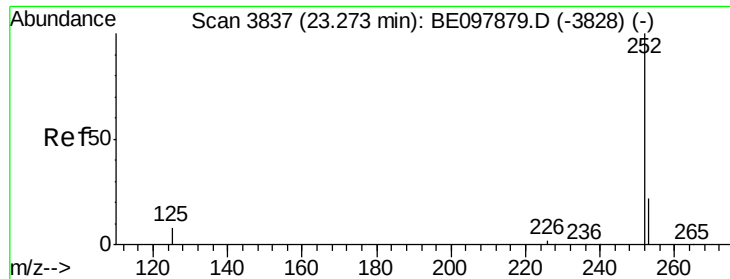
Delta R.T. 0.01 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Tgt Ion:	228	Resp:	1240714
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.0	34.4
229	22.4	15.5	23.3





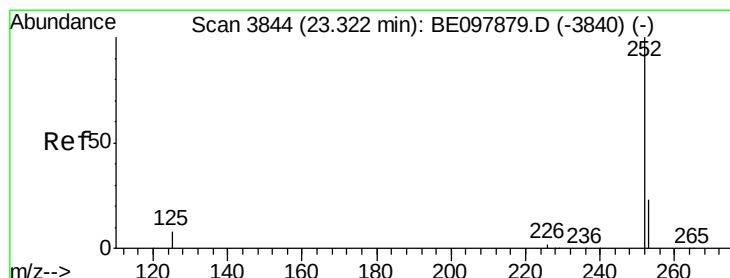
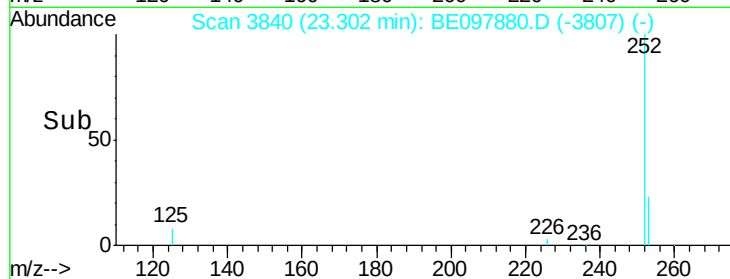
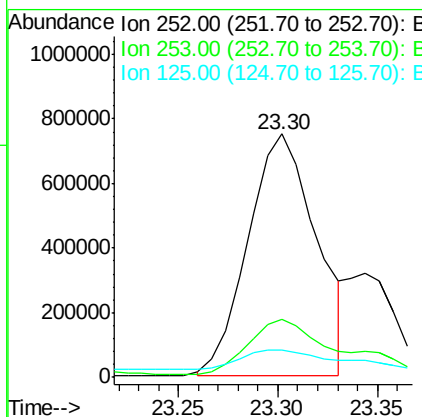
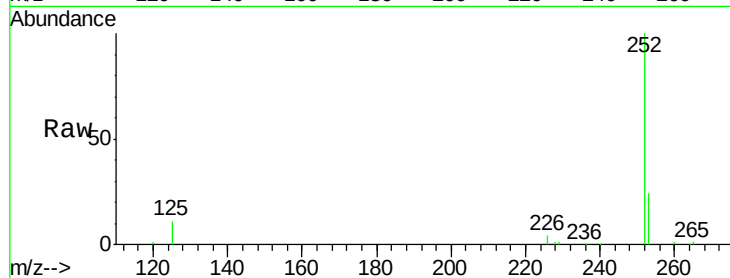
#21
Benzo(b)fluoranthene
Concen: 37.461 ng/ul m
RT: 23.30 min Scan# 3840
Delta R.T. 0.03 min
Lab File: BE097880.D
Acq: 12 Oct 2018 10:28

Instrument :
BNA_E
ClientSampleId :
JLC32

Tgt Ion:252 Resp: 1772426
Ion Ratio Lower Upper
252 100
253 23.9 0.0 47.0
125 11.5 0.0 18.2

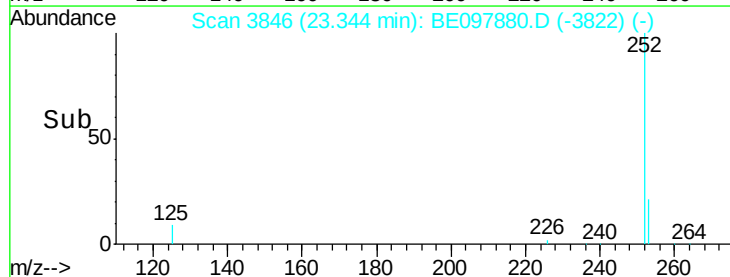
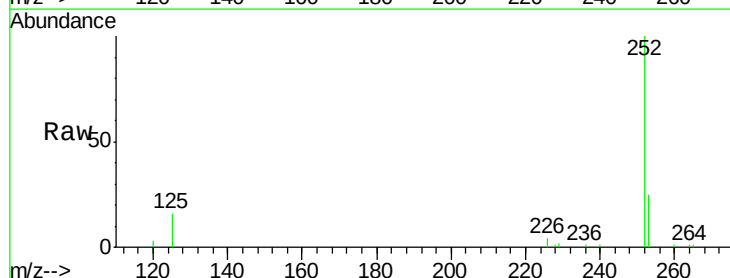
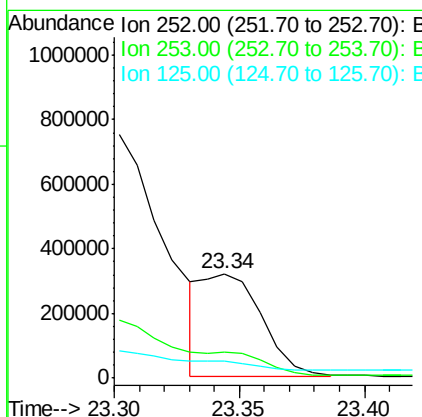
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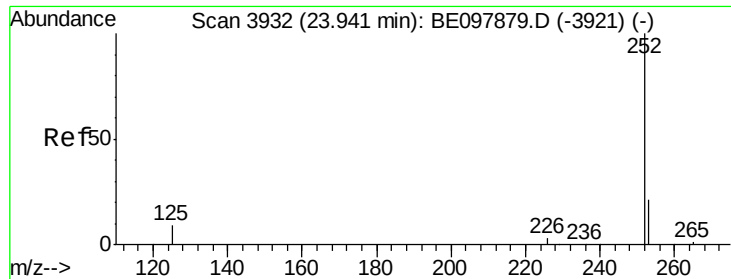
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#22
Benzo(k)fluoranthene
Concen: 10.529 ng/ul m
RT: 23.34 min Scan# 3846
Delta R.T. 0.02 min
Lab File: BE097880.D
Acq: 12 Oct 2018 10:28

Tgt Ion:252 Resp: 533235
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 16.0 9.4 14.0#





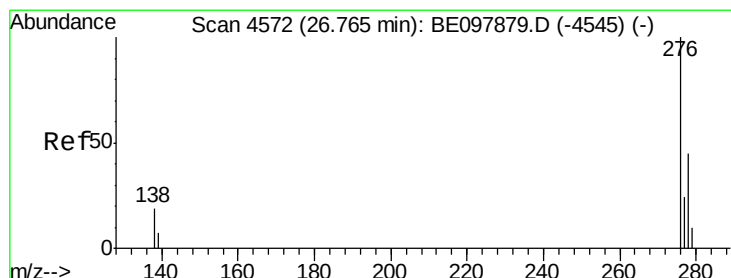
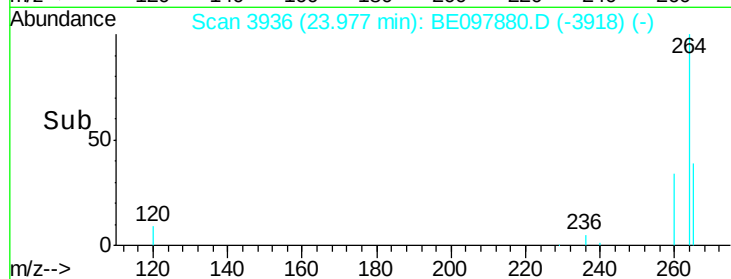
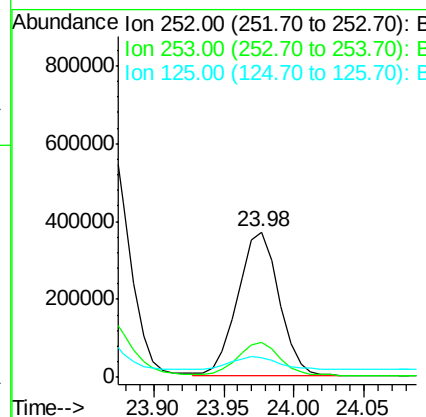
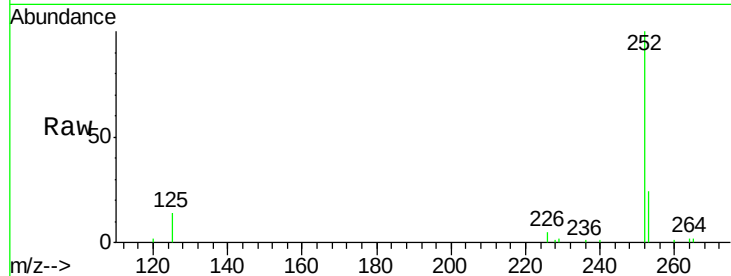
#23
Benzo(a)pyrene
Concen: 16.251 ng/ul m
RT: 23.98 min Scan# 3936
Delta R.T. 0.03 min
Lab File: BE097880.D
Acq: 12 Oct 2018 10:28

Instrument :
BNA_E
ClientSampleId :
JLC32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	13.8	8.3	12.5#

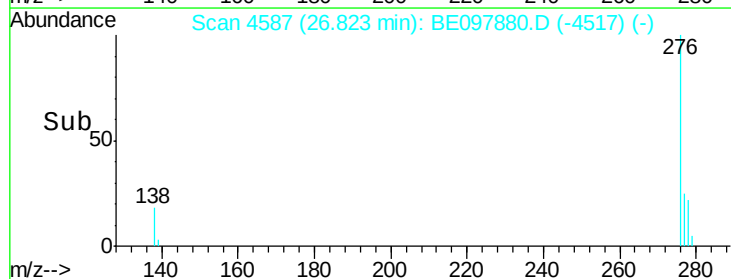
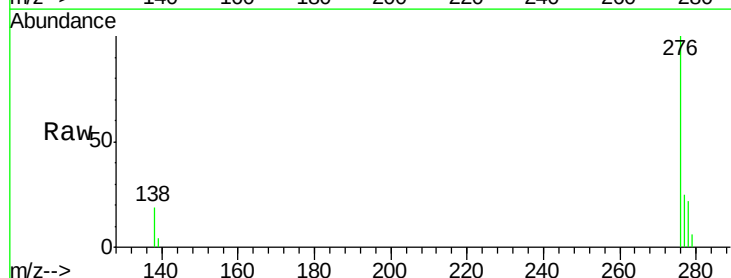
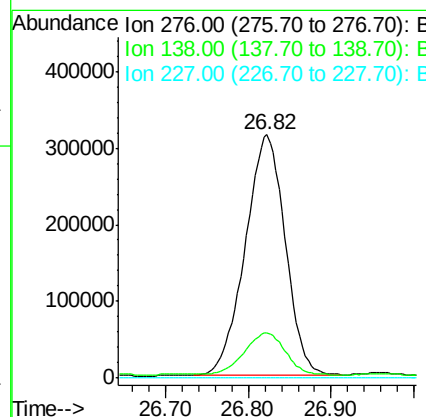
Manual Integrations
APPROVED

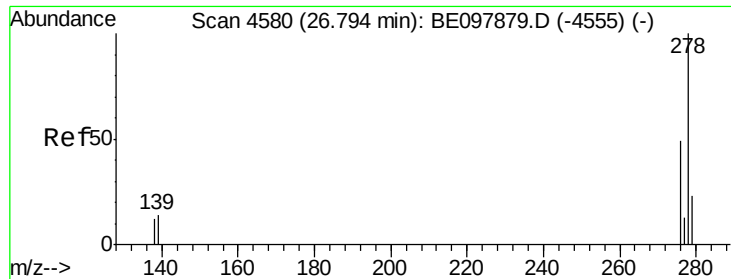
Sohil
10/15/2018 3:55:26 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 19.934 ng/ul m
RT: 26.82 min Scan# 4587
Delta R.T. 0.05 min
Lab File: BE097880.D
Acq: 12 Oct 2018 10:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	0.0	0.0#
227	0.0	0.0	0.0





#25

Dibenzo(a,h)anthracene

Concen: 6.270 ng/ul m

RT: 26.83 min Scan# 4589

Delta R.T. 0.04 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Instrument :

BNA_E

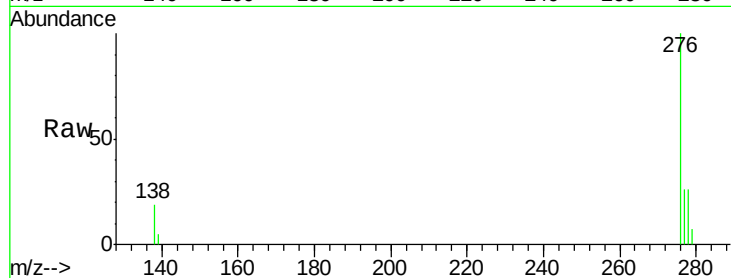
ClientSampleId :

JLC32

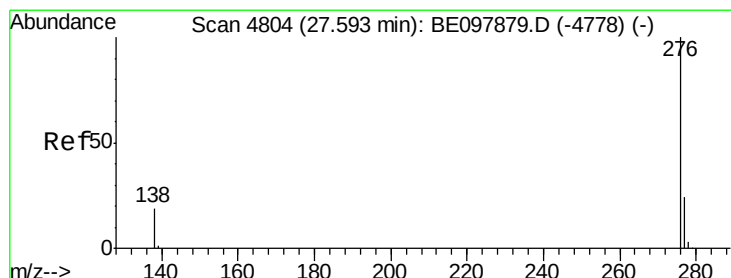
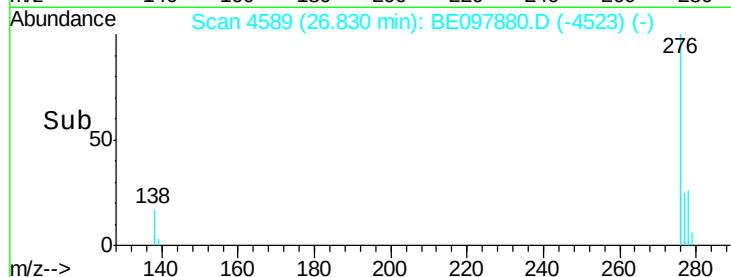
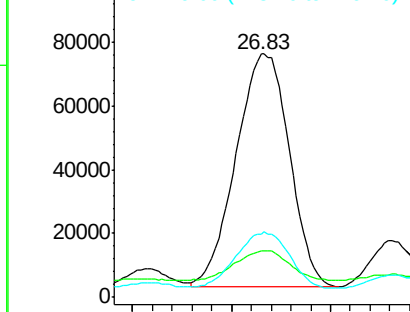
Tgt Ion:	278	Resp:	273259
Ion Ratio	Lower	Upper	
278	100		
139	19.2	10.9	16.3#
279	26.0	18.8	28.2

Manual Integrations
APPROVED

Sohil
10/15/2018 3:55:26 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 26.188 ng/ul m

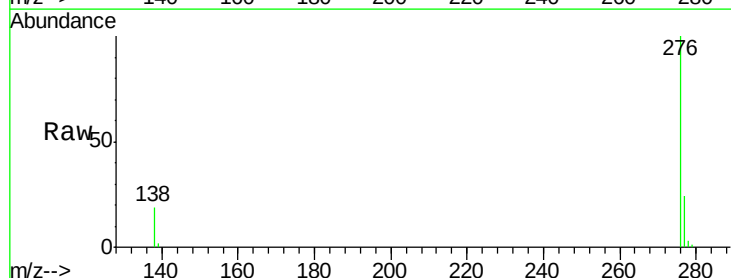
RT: 27.67 min Scan# 4824

Delta R.T. 0.07 min

Lab File: BE097880.D

Acq: 12 Oct 2018 10:28

Tgt Ion:	276	Resp:	1203252
Ion Ratio	Lower	Upper	
276	100		
138	18.8	14.3	21.5
277	24.5	19.5	29.3



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

