

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
 Data File : BM021847.D
 Acq On : 05 Aug 2019 18:03
 Operator : HP/JU
 Sample : K3850-06DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENP5DL

Manual Integrations
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 8/5/2019 10:17:35 PM

Quant Time: Aug 05 18:38:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Aug 05 17:14:32 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	895	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3767	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2178	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	5130	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4931	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	6296m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	260	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	799	0.05	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.47	128	4957	0.466	ng/ul	97
5) 2-Methylnaphthalene	12.09	142	3236	0.456	ng/ul	98
7) Acenaphthylene	14.01	152	3581	0.353	ng/ul	98
8) Acenaphthene	14.35	153	6642	0.799	ng/ul	96
9) Fluorene	15.34	166	6927	0.750	ng/ul	98
12) Phenanthrene	17.08	178	128830	8.631	ng/ul	96
13) Anthracene	17.17	178	28738	2.257	ng/ul	95
15) Fluoranthene	19.10	202	249674	12.487	ng/ul	95
17) Pyrene	19.47	202	341189	16.838	ng/ul	97
18) Benzo(a)anthracene	21.22	228	192687	10.925	ng/ul	99
19) Chrysene	21.27	228	214832	9.471	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	209948m	9.889	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	77474m	3.224	ng/ul	
23) Benzo(a)pyrene	23.36	252	168011	7.781	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.67	276	97292	3.774	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.67	278	30377	1.458	ng/ul	90
26) Benzo(g,h,i)perylene	26.35	276	105537	4.547	ng/ul	94

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

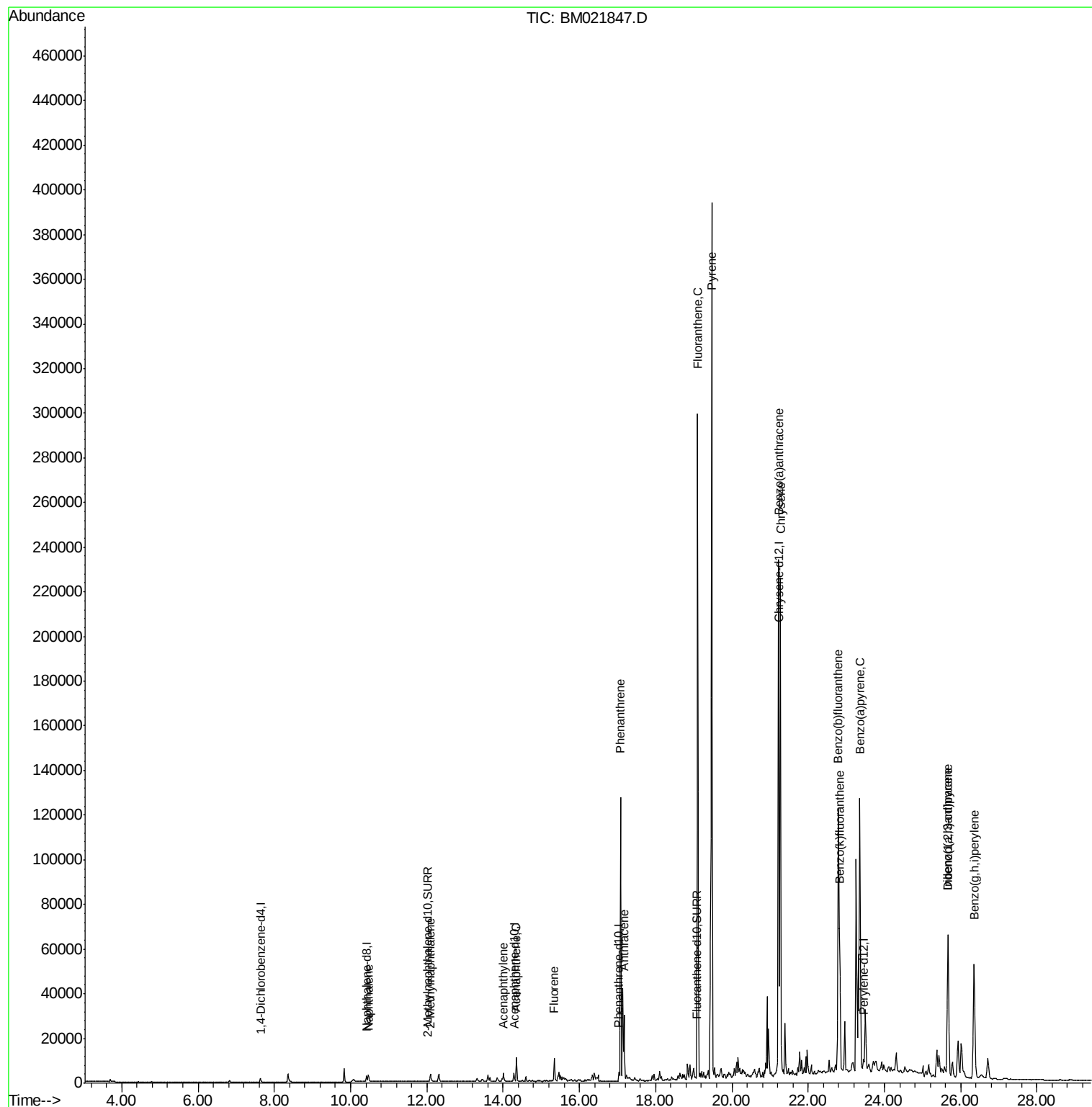
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021847.D
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ALS Vial : 6 Sample Multiplier: 1

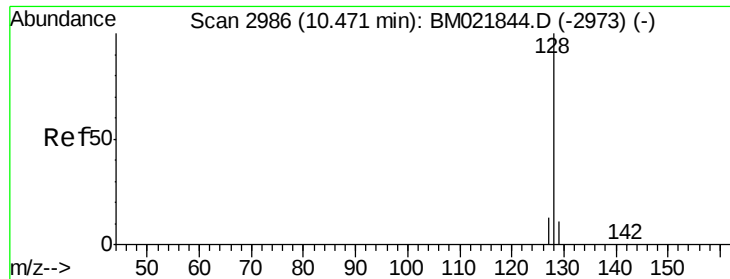
Instrument :
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#3

Naphthalene

Concen: 0.466 ng/ul

RT: 10.47 min Scan# 2985

Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

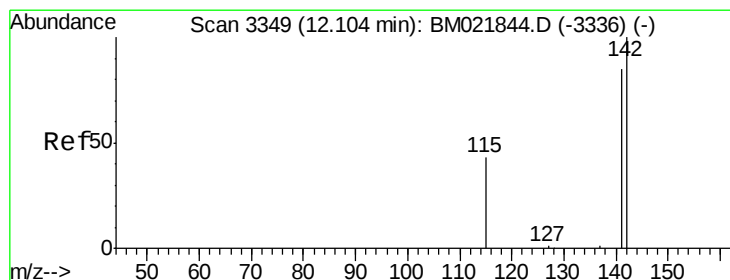
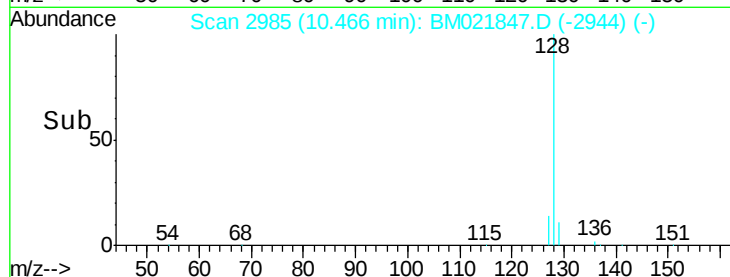
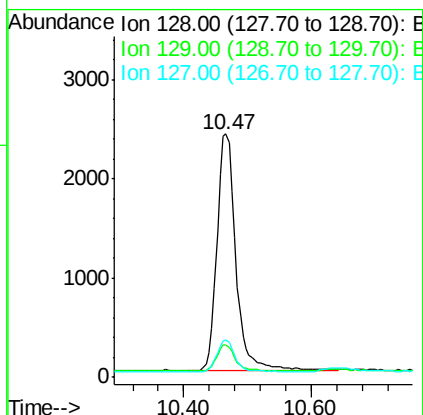
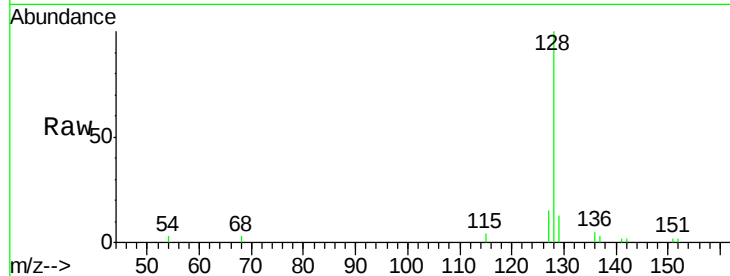
ClientSampleId :

BENP5DL

Tgt Ion:	128	Resp:	4957
Ion Ratio	Lower	Upper	
128	100		
129	13.4	12.3	18.5
127	15.4	13.0	19.6

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#5

2-Methylnaphthalene

Concen: 0.456 ng/ul

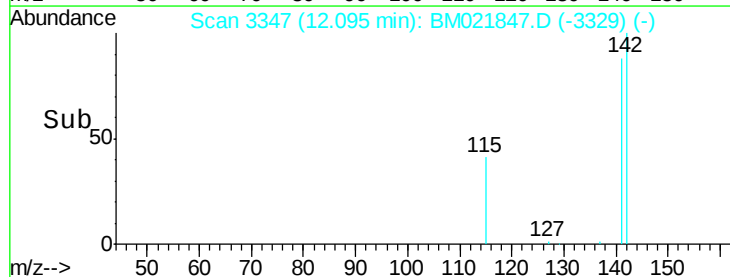
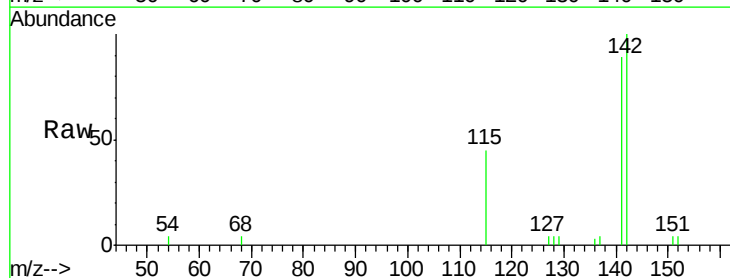
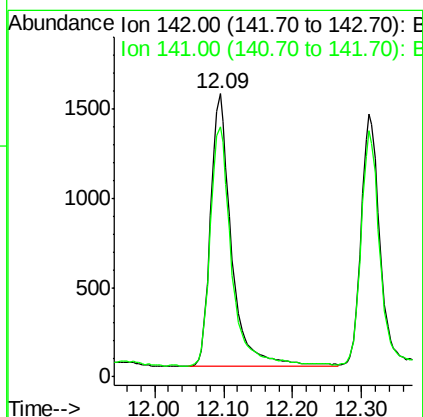
RT: 12.09 min Scan# 3347

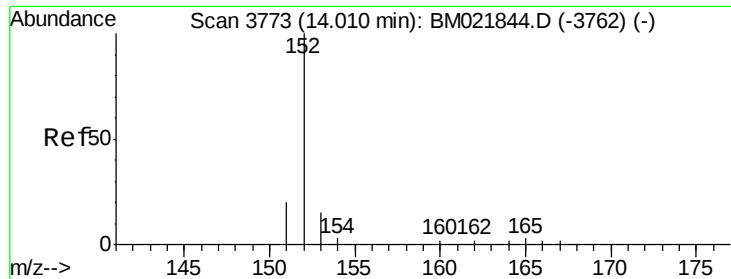
Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt Ion:	142	Resp:	3236
Ion Ratio	Lower	Upper	
142	100		
141	90.9	74.3	111.5





#7

Acenaphthylene

Concen: 0.353 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

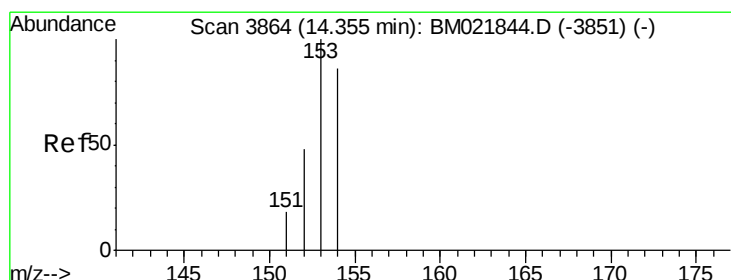
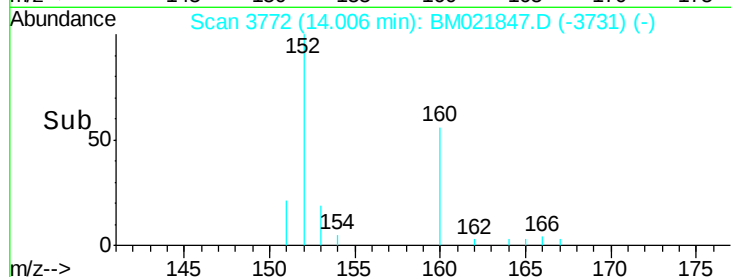
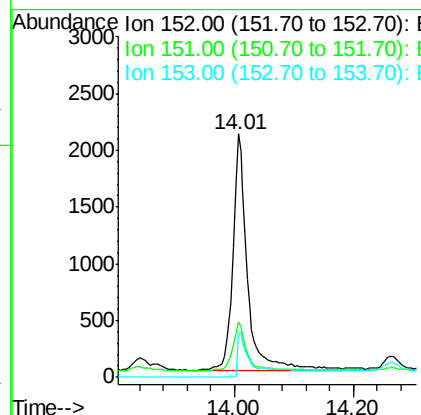
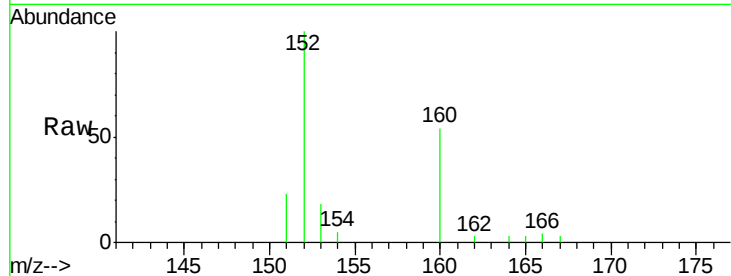
ClientSampleId :

BENP5DL

Tgt Ion:	152	Resp:	3581
Ion Ratio	Lower	Upper	
152	100		
151	23.0	18.3	27.5
153	18.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.799 ng/ul

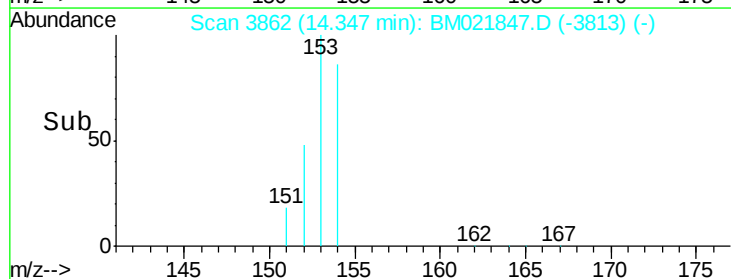
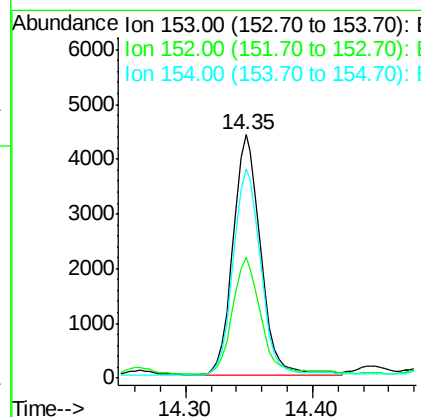
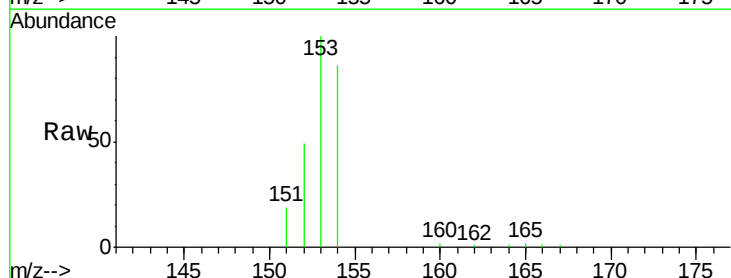
RT: 14.35 min Scan# 3862

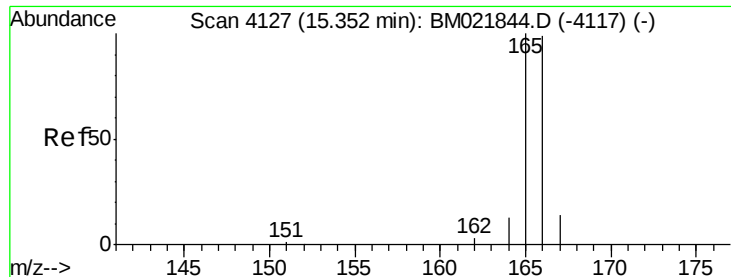
Delta R.T. -0.01 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt Ion:	153	Resp:	6642
Ion Ratio	Lower	Upper	
153	100		
152	49.4	41.3	61.9
154	85.7	72.3	108.5





#9

Fluorene

Concen: 0.750 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

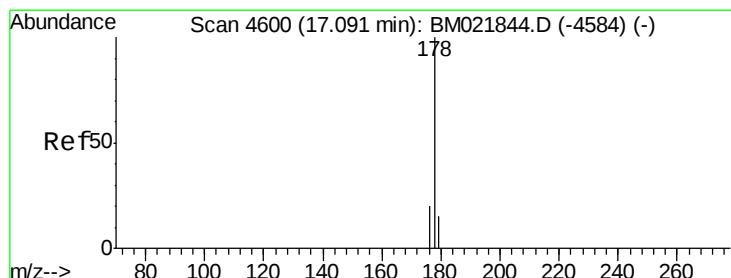
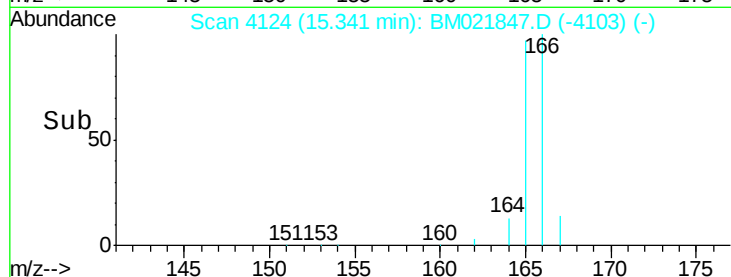
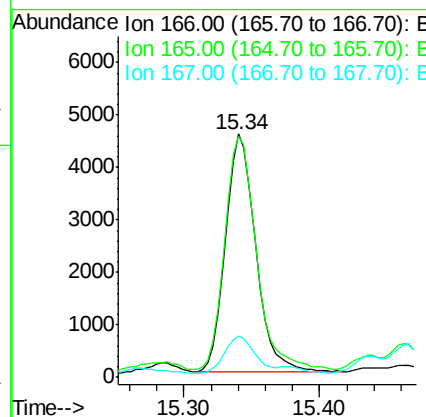
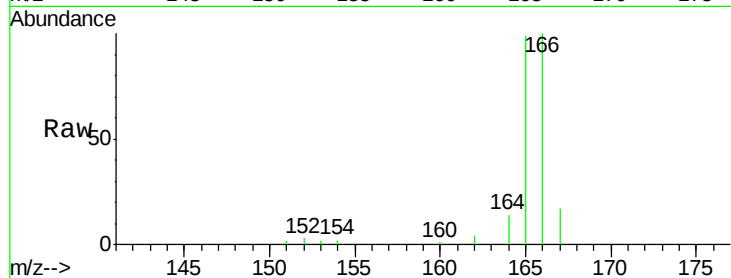
ClientSampleId :

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Tgt Ion:	166	Resp:	6927
Ion Ratio	Lower	Upper	
166	100		
165	99.1	81.4	122.0
167	16.9	13.7	20.5

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#12

Phenanthrene

Concen: 8.631 ng/ul

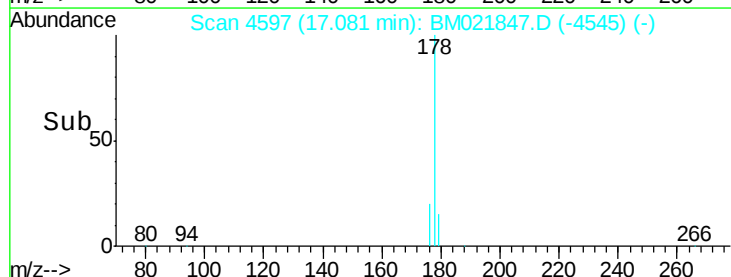
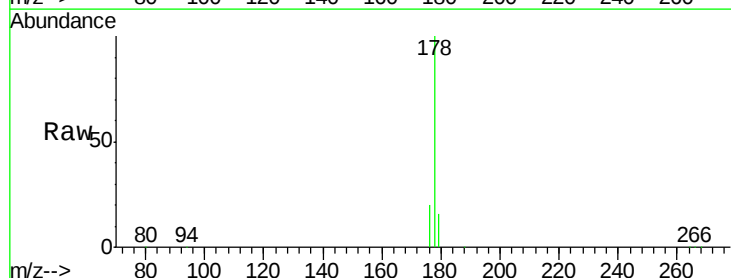
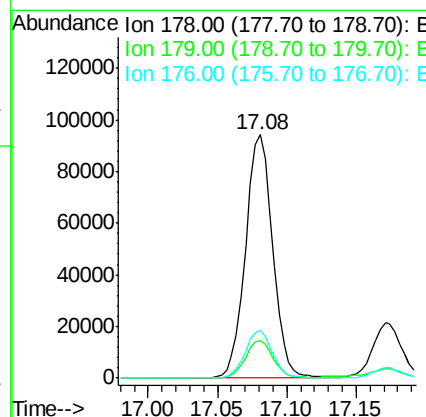
RT: 17.08 min Scan# 4597

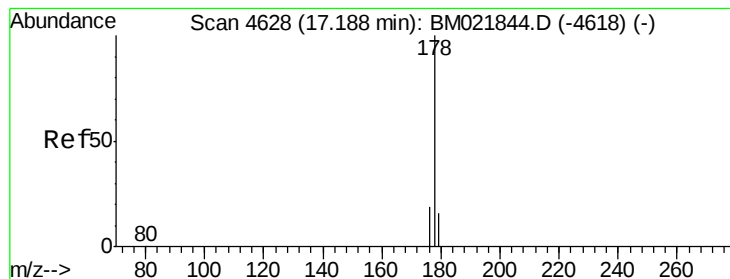
Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt Ion:	178	Resp:	128830
Ion Ratio	Lower	Upper	
178	100		
179	15.5	14.2	21.2
176	19.6	16.8	25.2





#13

Anthracene

Concen: 2.257 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.03 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

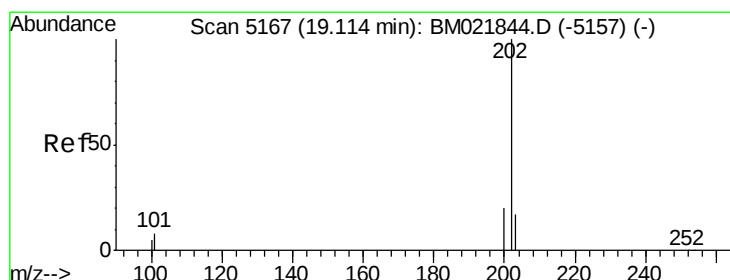
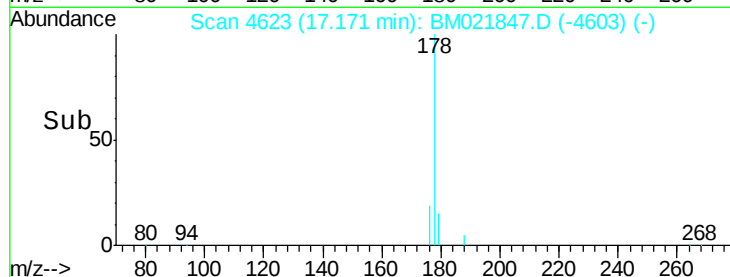
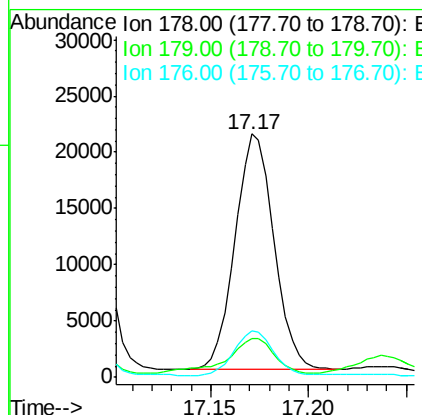
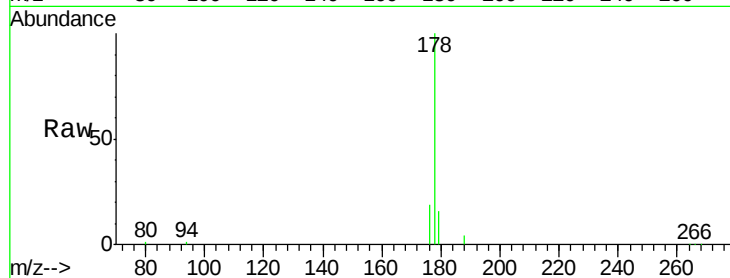
ClientSampleId :

BENP5DL

Tgt	Ion	178	Resp:	28738
Ion	Ratio	100	Lower	Upper
178	100			
179	16.1	15.5	23.3	
176	19.3	16.6	25.0	

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#15

Fluoranthene

Concen: 12.487 ng/ul

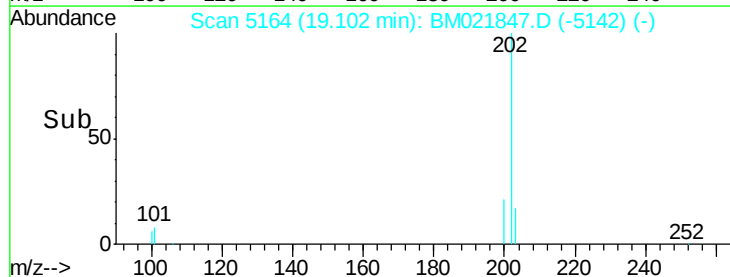
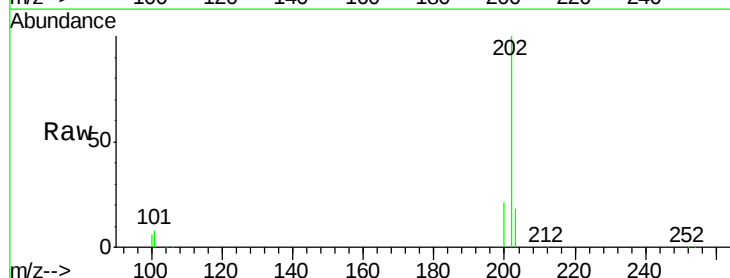
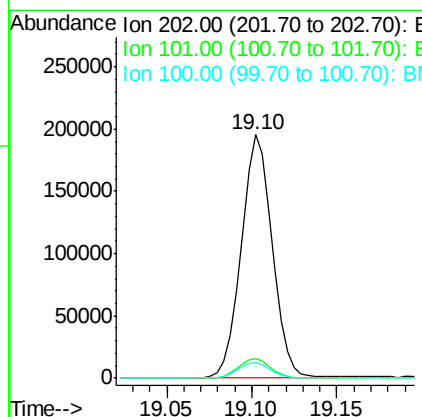
RT: 19.10 min Scan# 5164

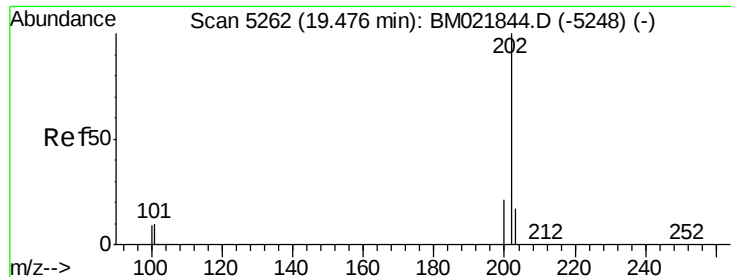
Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt	Ion	202	Resp:	249674
Ion	Ratio	100	Lower	Upper
202	100			
101	8.3	0.0	30.2	
100	6.3	0.0	28.1	





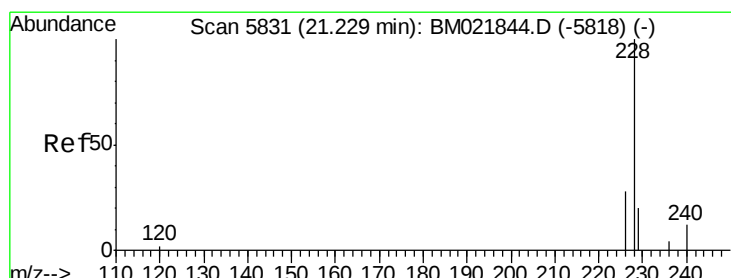
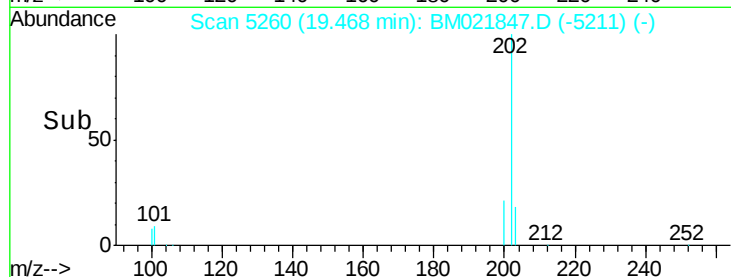
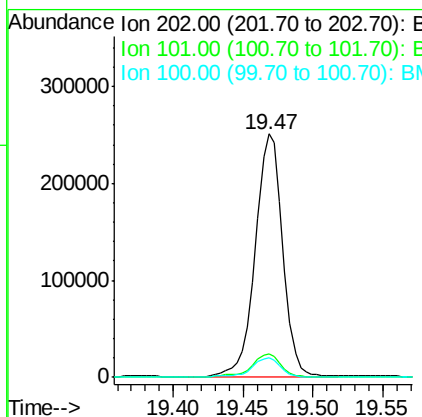
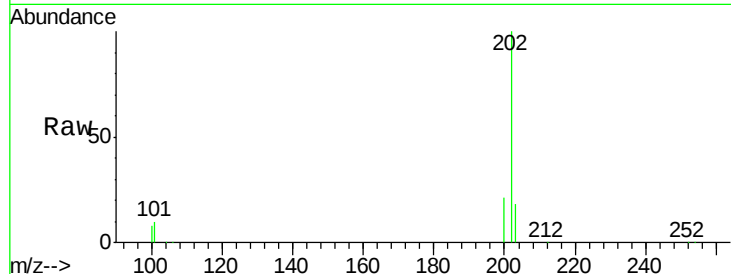
#17
Pyrene
Concen: 16.838 ng/u1
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021847.D
Acq: 05 Aug 2019 18:03

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.5	8.3	12.5
100	7.9	7.2	10.8

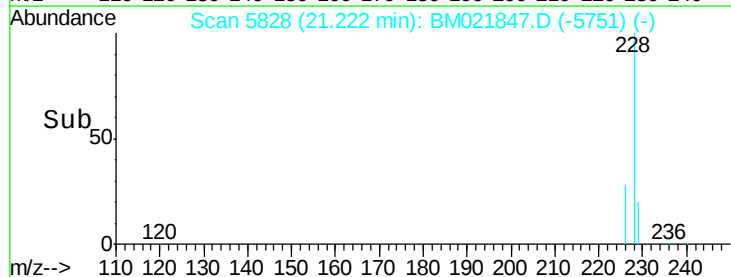
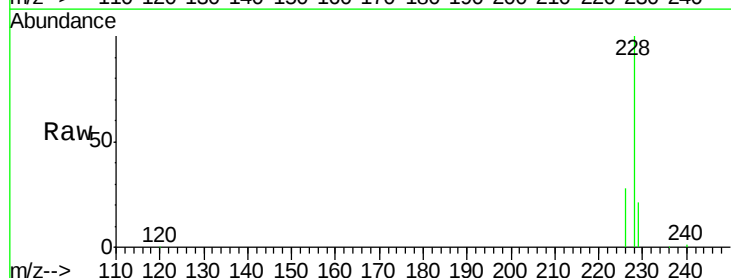
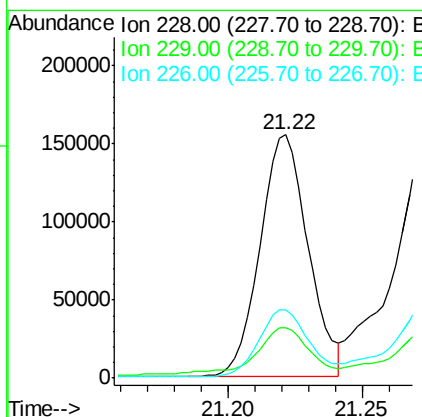
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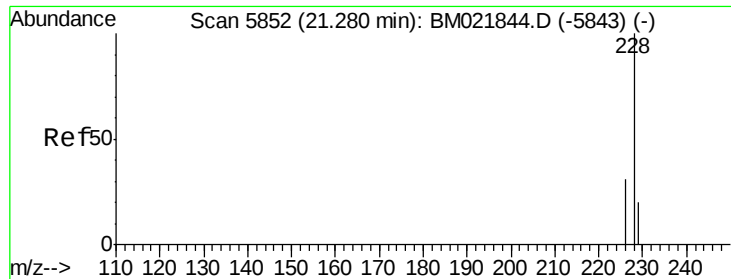
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#18
Benzo(a)anthracene
Concen: 10.925 ng/u1
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021847.D
Acq: 05 Aug 2019 18:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.9	17.2	25.8
226	28.3	22.6	34.0





#19

Chrysene

Concen: 9.471 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

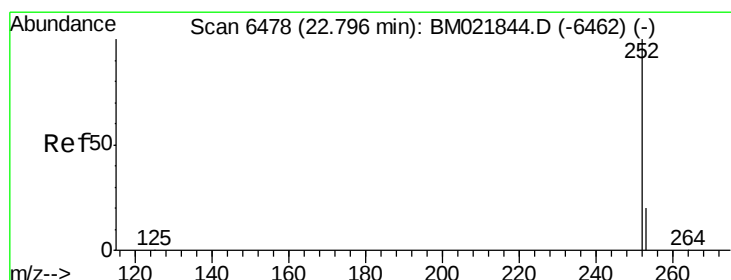
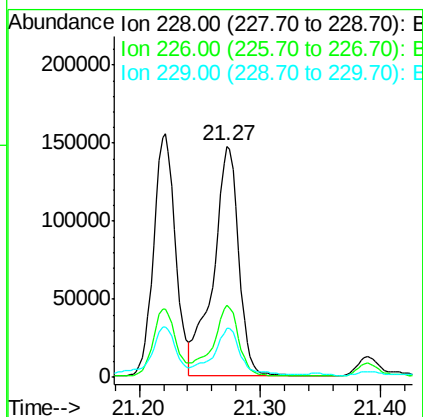
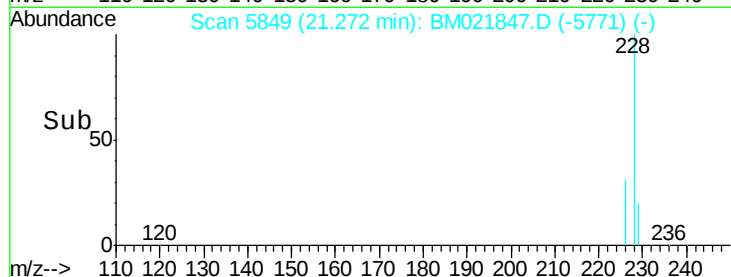
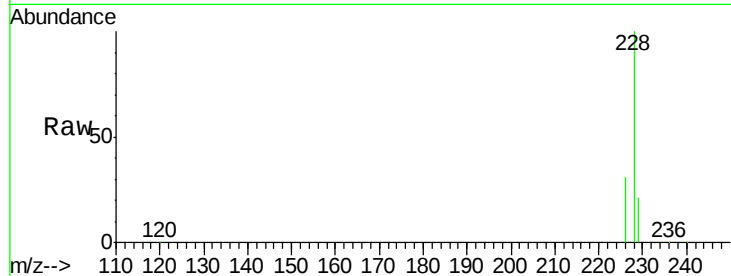
ClientSampleId :

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Tgt	Ion:228	Resp:	214832
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	21.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 9.889 ng/ul m

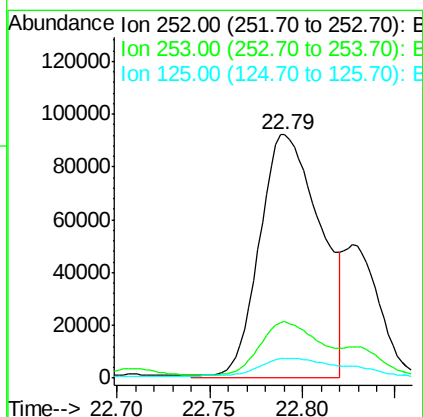
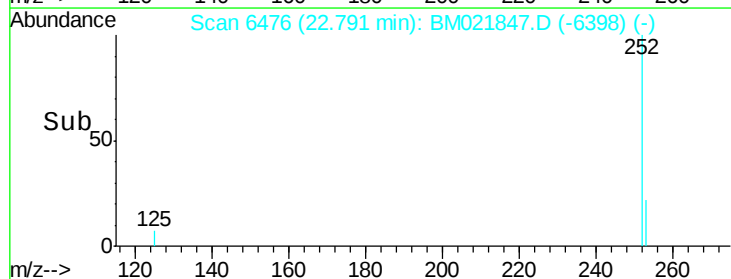
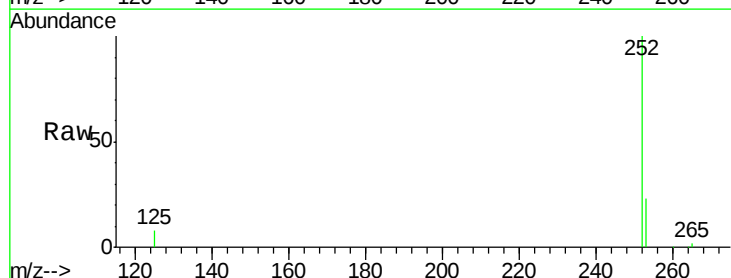
RT: 22.79 min Scan# 6476

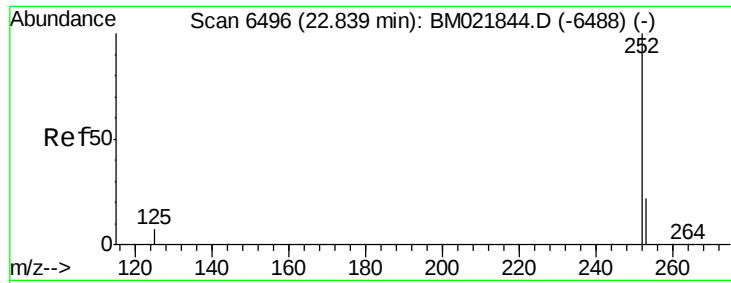
Delta R.T. -0.01 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt	Ion:252	Resp:	209948
Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	67.4
125	8.0	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 3.224 ng/ul m

RT: 22.83 min Scan# 6491

Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Instrument :

BNA_M

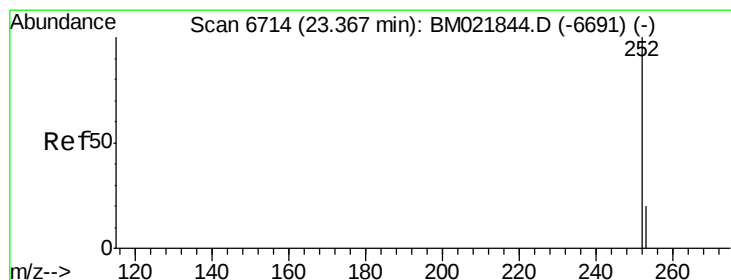
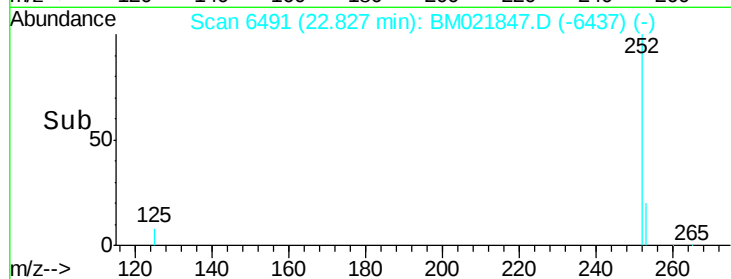
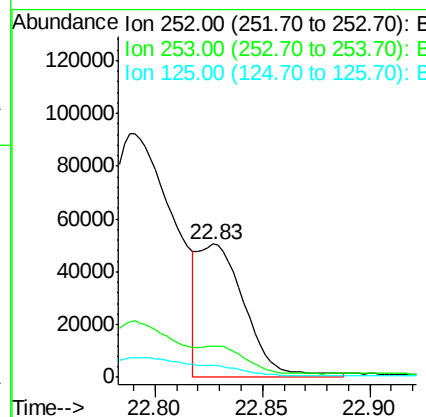
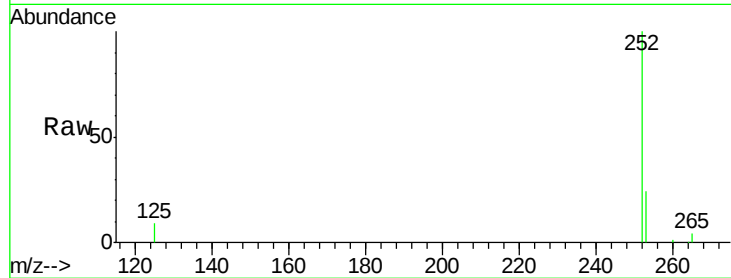
ClientSampleId :

BENP5DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	27.0	40.4#
125	8.8	12.2	18.2#

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#23

Benzo(a)pyrene

Concen: 7.781 ng/ul

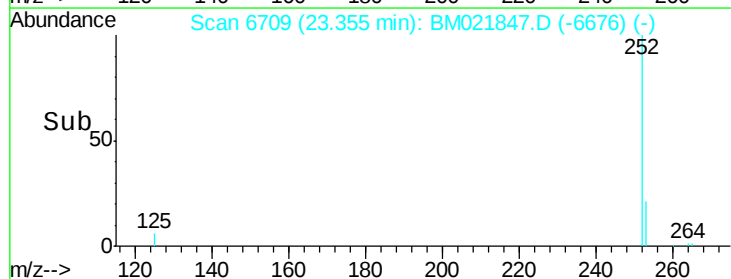
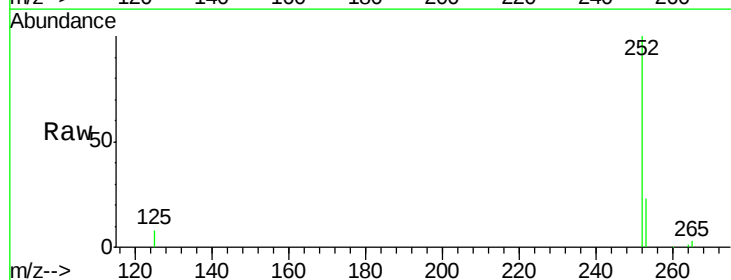
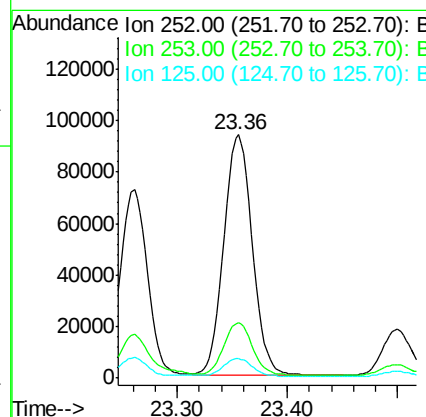
RT: 23.36 min Scan# 6709

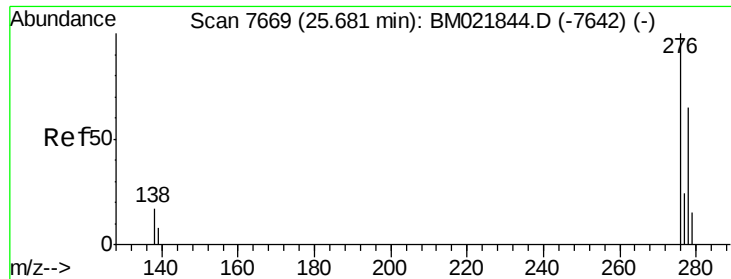
Delta R.T. -0.02 min

Lab File: BM021847.D

Acq: 05 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	31.7	47.5#
125	8.2	14.6	21.8#





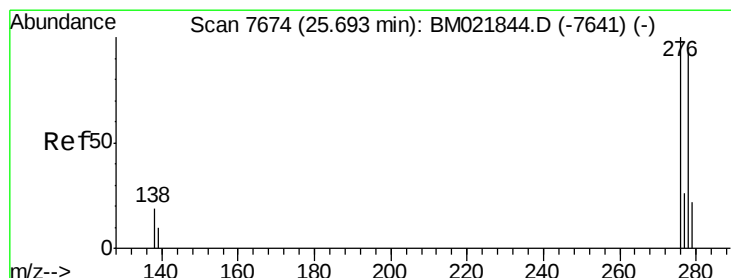
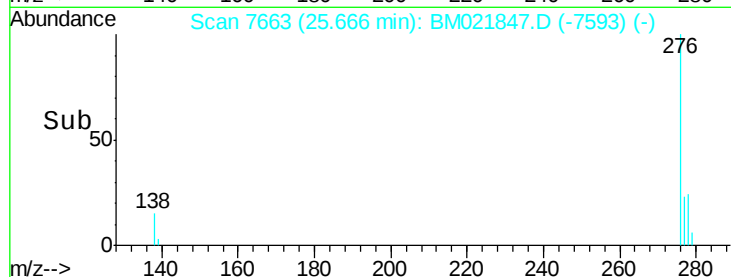
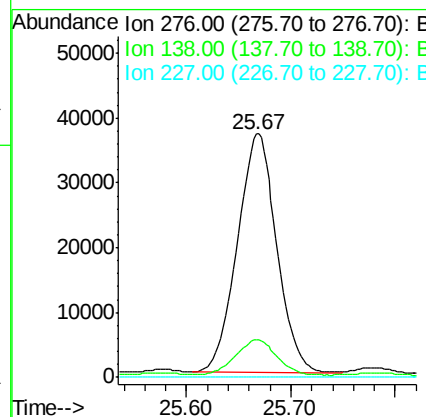
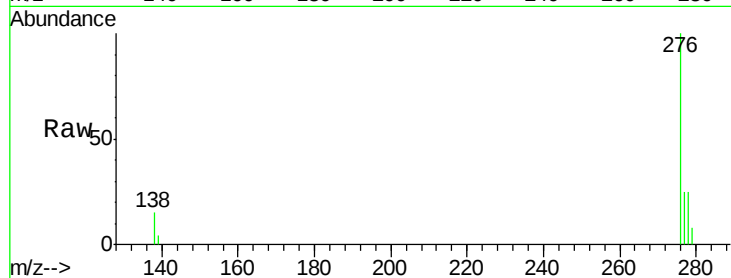
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.774 ng/u1
 RT: 25.67 min Scan# 7663
 Delta R.T. -0.03 min
 Lab File: BM021847.D
 Acq: 05 Aug 2019 18:03

Instrument :
 BNA_M
 ClientSampleID :
 BENP5DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	15.1	22.7
227	0.0	0.0	0.0

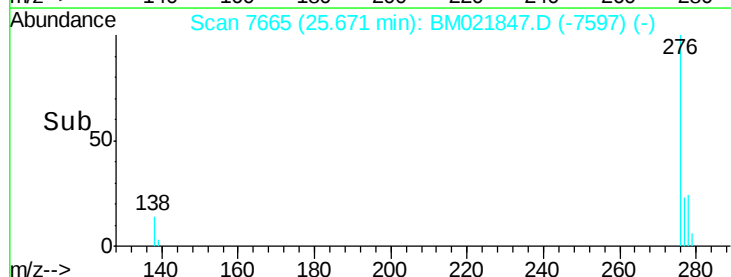
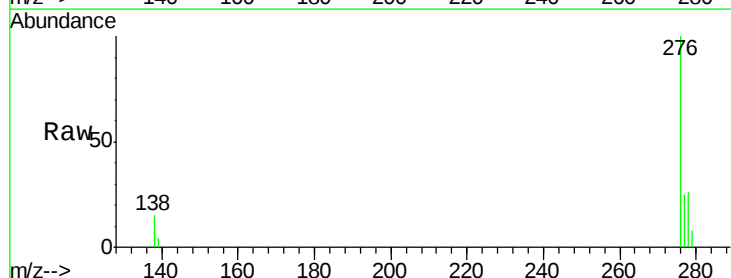
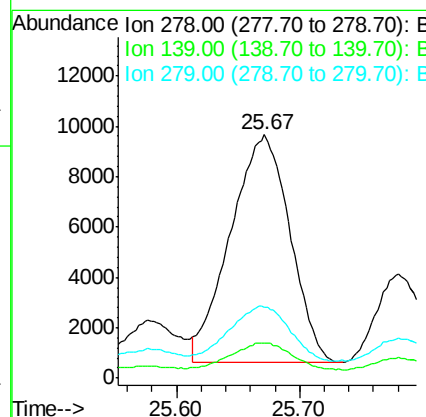
Manual Integrations
 APPROVED

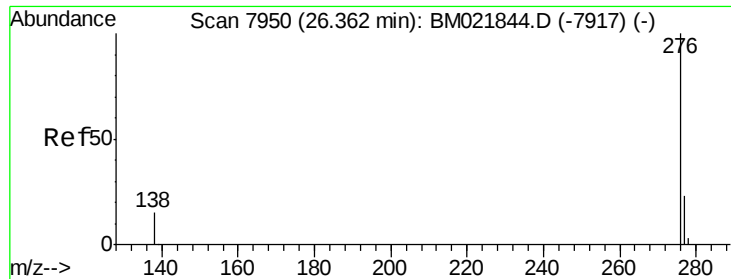
mohammad
 8/5/2019 10:17:35 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.458 ng/u1
 RT: 25.67 min Scan# 7665
 Delta R.T. -0.03 min
 Lab File: BM021847.D
 Acq: 05 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.3	14.2	21.2
279	29.3	28.3	42.5





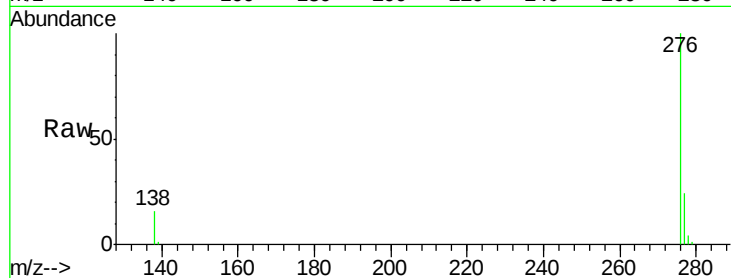
#26
 Benzo(g,h,i)perylene
 Concen: 4.547 ng/ul
 RT: 26.35 min Scan# 7945
 Delta R.T. -0.02 min
 Lab File: BM021847.D
 Acq: 05 Aug 2019 18:03

Instrument :
 BNA_M
 ClientSampleId :
 BENP5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.7	15.5	23.3
277	24.2	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/5/2019 10:17:35 PM



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

