

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021926.D
 Acq On : 08 Aug 2019 10:41
 Operator : HP/JU
 Sample : K4029-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY2

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:12:11 AM

Quant Time: Aug 08 14:14:16 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 : Thu Aug 08 06:54:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	814	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3553	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1988	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4668m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4550m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4096m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2543	0.43	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	6726m	0.43	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	584	0.058	ng/ul#	79
5) 2-Methylnaphthalene	12.08	142	339	0.051	ng/ul	96
7) Acenaphthylene	14.00	152	1388	0.150	ng/ul#	73
8) Acenaphthene	14.34	153	326	0.043	ng/ul	93
9) Fluorene	15.33	166	433	0.051	ng/ul#	93
12) Phenanthrene	17.07	178	8963	0.660	ng/ul	97
13) Anthracene	17.16	178	2770m	0.239	ng/ul	
15) Fluoranthene	19.10	202	23399m	1.286	ng/ul	
17) Pyrene	19.46	202	23144	1.238	ng/ul	98
18) Benzo(a)anthracene	21.22	228	13252	0.814	ng/ul	99
19) Chrysene	21.27	228	15589	0.745	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	20662m	1.496	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	6985m	0.447	ng/ul	
23) Benzo(a)pyrene	23.35	252	13181m	0.938	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	9220m	0.550	ng/ul	
25) Dibenzo(a,h)anthracene	25.67	278	2699m	0.199	ng/ul	
26) Benzo(a,h,i)perylene	26.35	276	7473m	0.495	ng/ul	

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

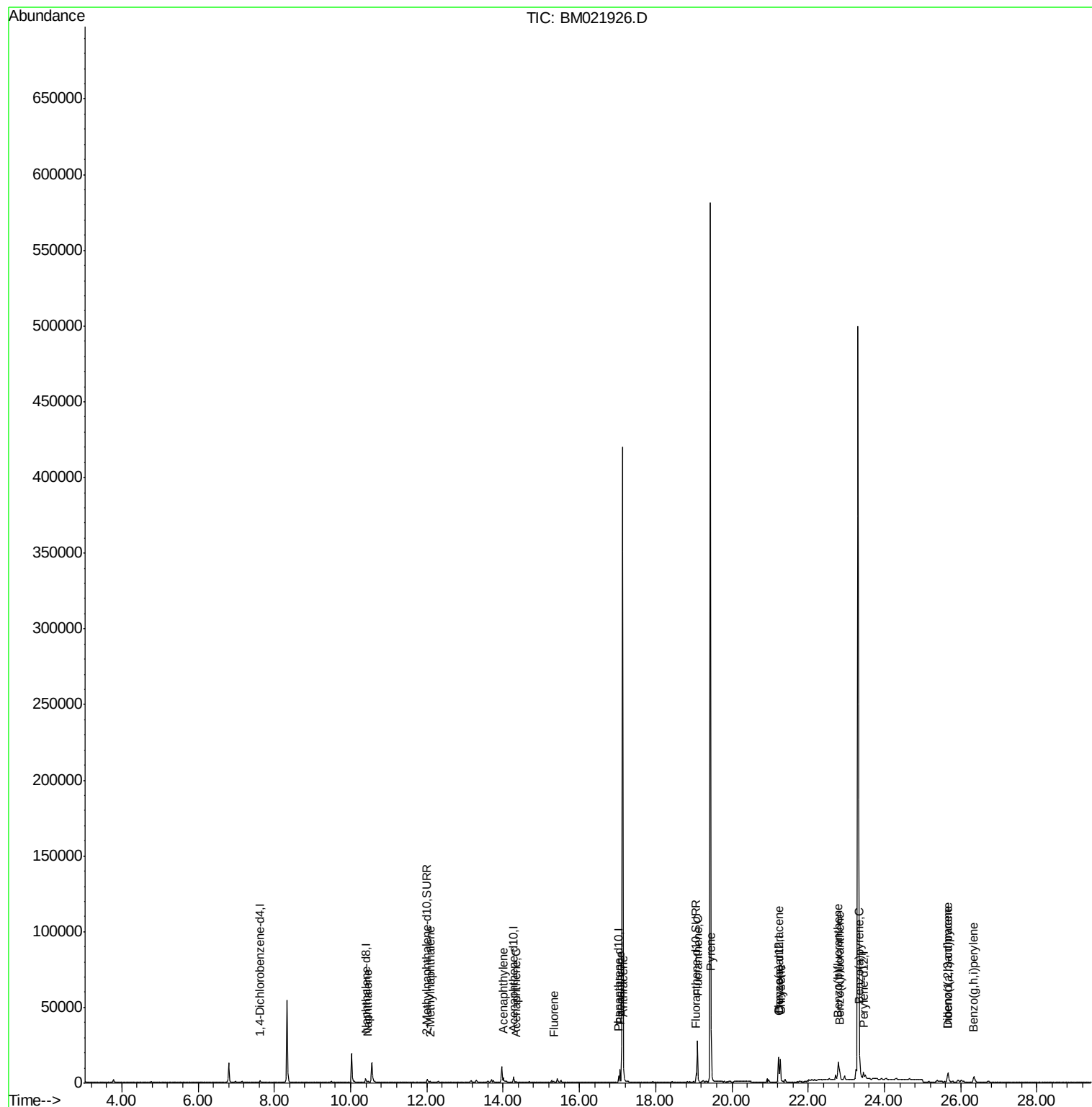
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021926.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

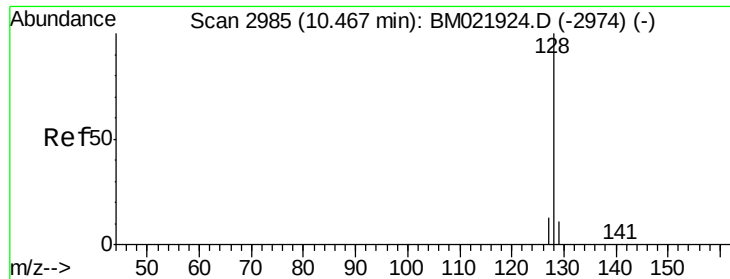
Instrument :
BNA_M
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BENY2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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QLast Update : Thu Aug 08 06:54:24 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

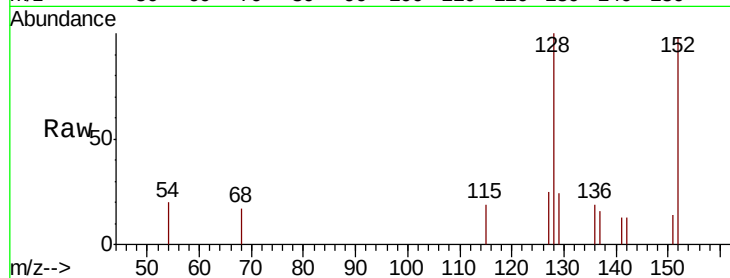
ClientSampled :

BENY2

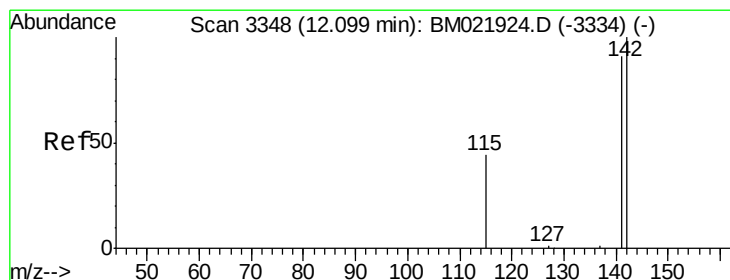
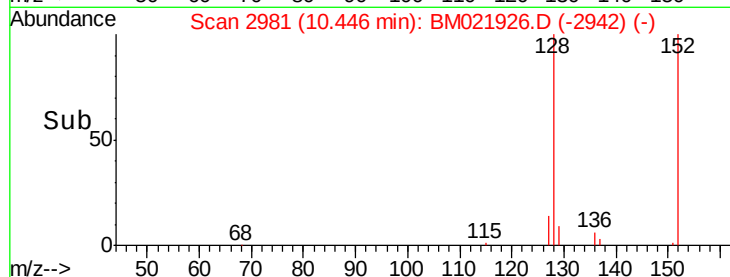
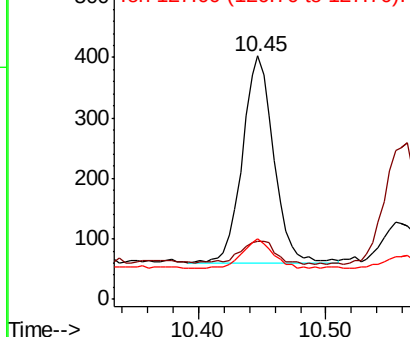
Tot Ion:	128	Resp:	584
Ion Ratio	Lower	Upper	
128	100		
129	24.1	12.3	18.5#
127	25.1	13.0	19.6#

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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: 0.051 ng/ul

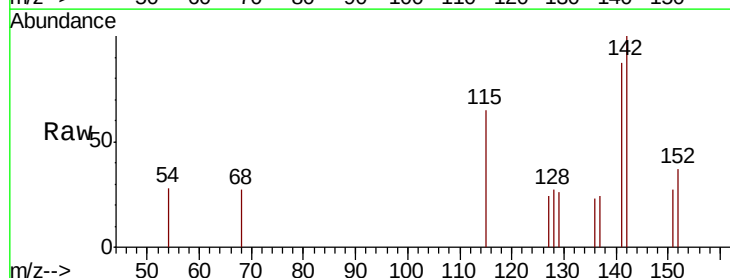
RT: 12.08 min Scan# 3345

Delta R.T. -0.02 min

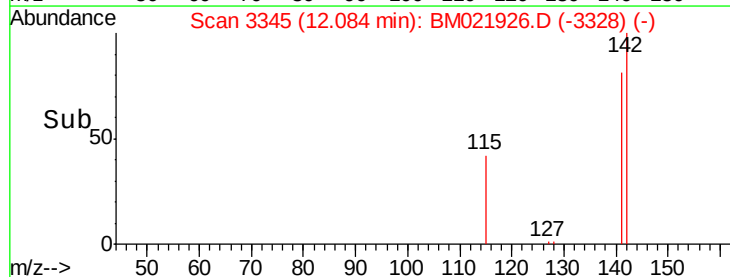
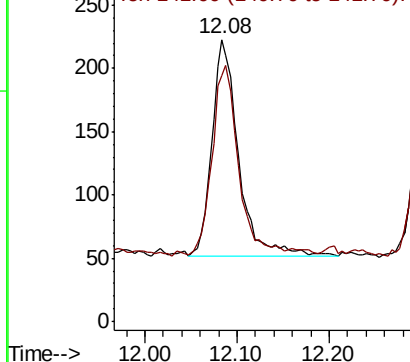
Lab File: BM021926.D

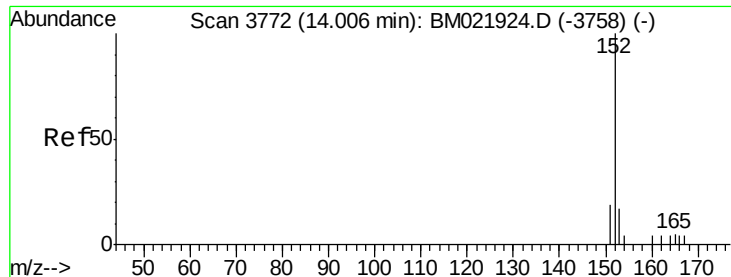
Acq: 08 Aug 2019 10:41

Tgt Ion:	142	Resp:	339
Ion Ratio	Lower	Upper	
142	100		
141	89.4	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.150 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

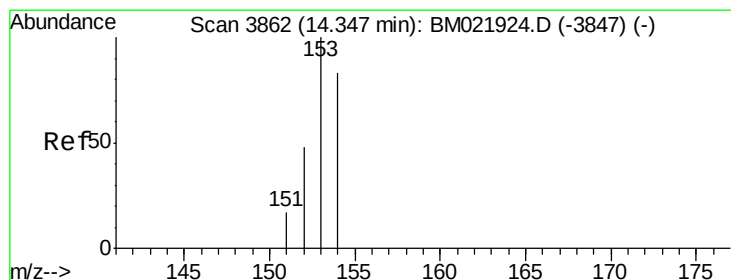
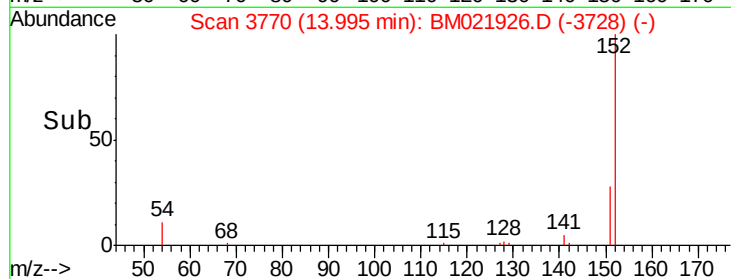
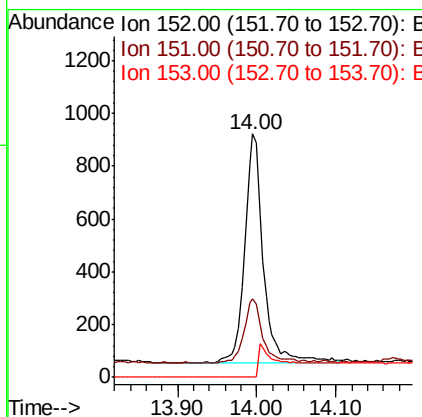
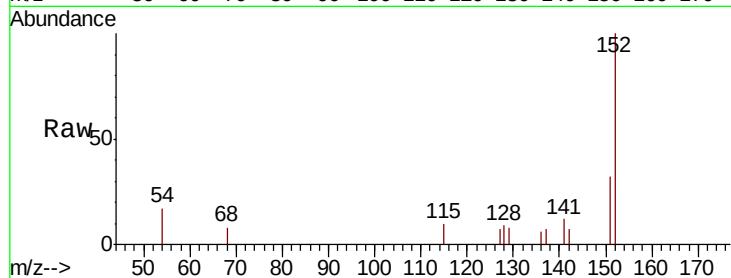
ClientSampleId :

BENY2

Tot Ion:	152	Resp:	1388
Ion Ratio	Lower	Upper	
152	100		
151	32.4	18.3	27.5#
153	0.0	12.8	19.2#

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#8

Acenaphthene

Concen: 0.043 ng/ul

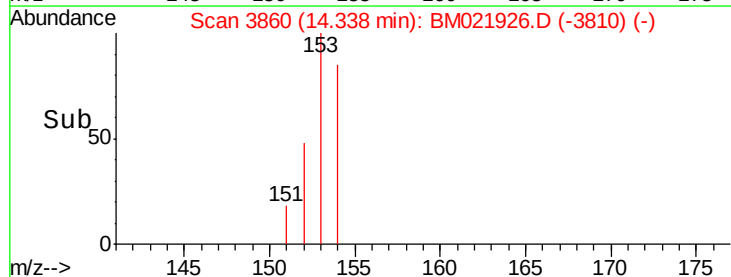
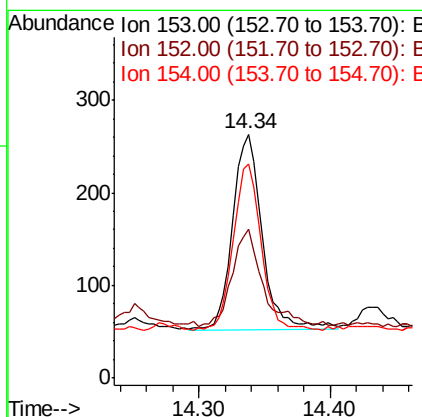
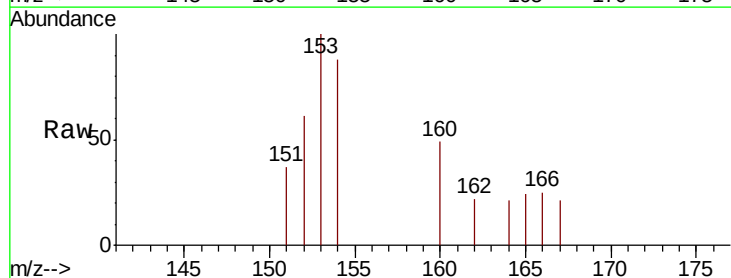
RT: 14.34 min Scan# 3860

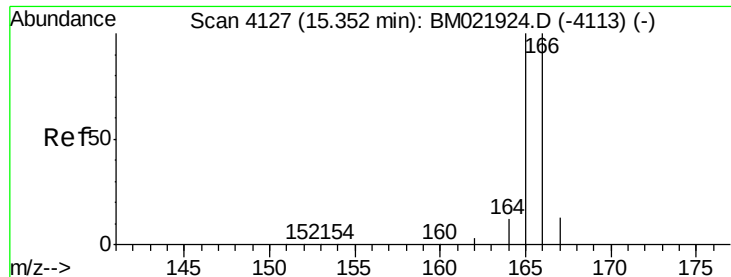
Delta R.T. -0.01 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Tgt Ion:	153	Resp:	326
Ion Ratio	Lower	Upper	
153	100		
152	61.2	41.3	61.9
154	87.8	72.3	108.5





#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.02 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

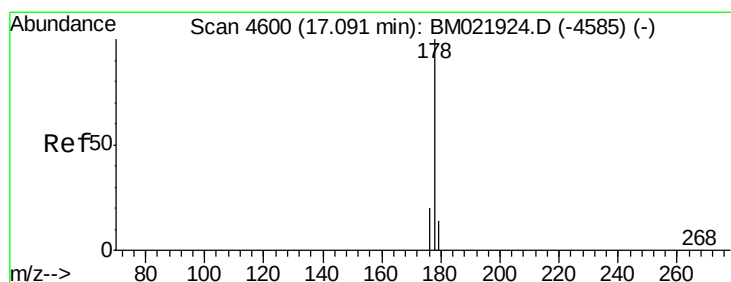
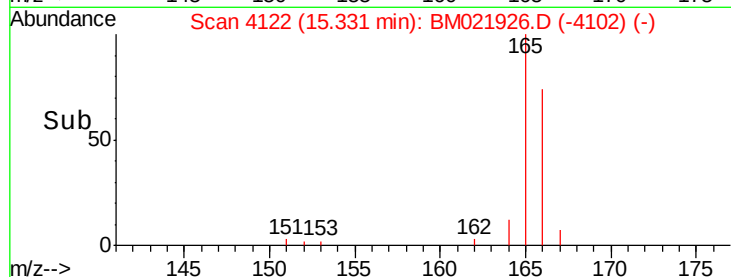
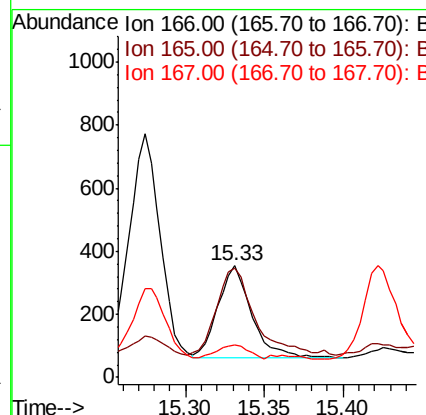
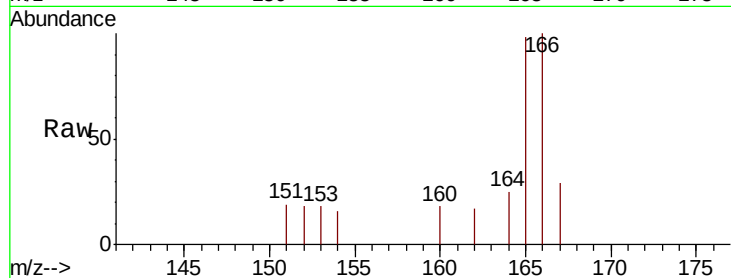
ClientSampled :

BENY2

Tot Ion:	166	Resp:	433
Ion Ratio	Lower	Upper	
166	100		
165	98.0	81.4	122.0
167	29.2	13.7	20.5#

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#12

Phenanthrene

Concen: 0.660 ng/ul

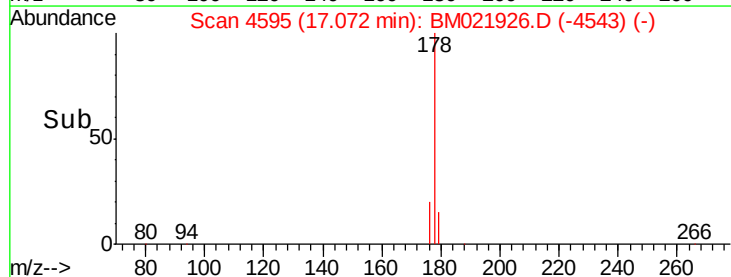
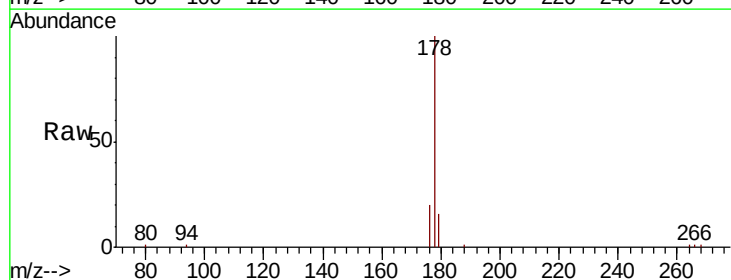
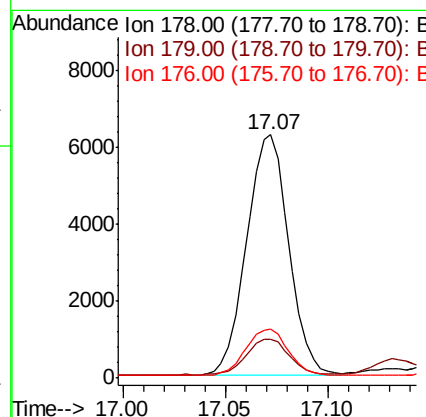
RT: 17.07 min Scan# 4595

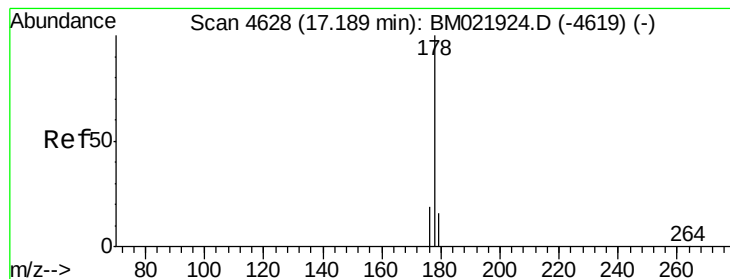
Delta R.T. -0.02 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Tgt Ion:	178	Resp:	8963
Ion Ratio	Lower	Upper	
178	100		
179	16.0	14.2	21.2
176	20.3	16.8	25.2





#13

Anthracene

Concen: 0.239 ng/ul m

RT: 17.16 min Scan# 4621

Delta R.T. -0.03 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

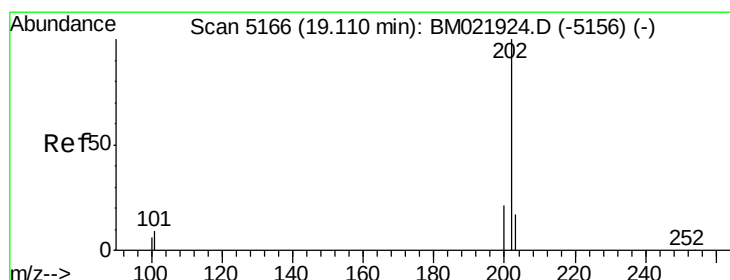
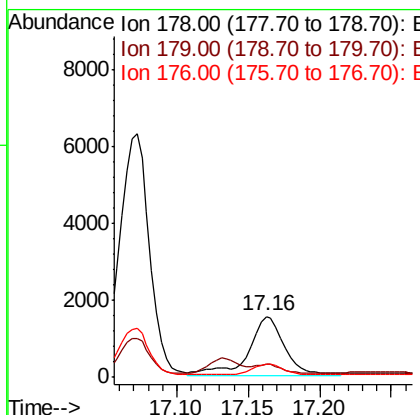
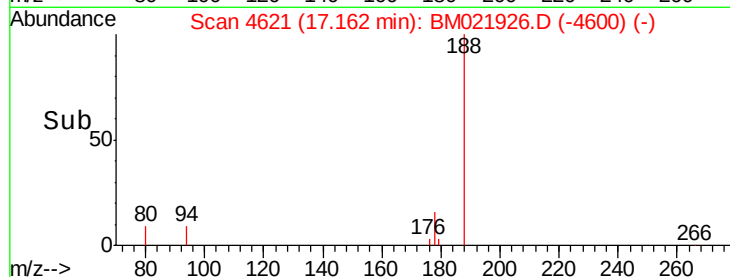
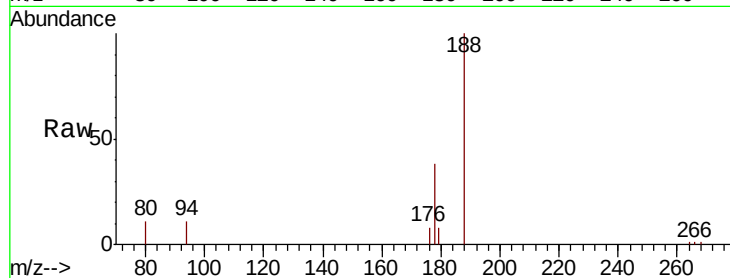
ClientSampleId :

BENY2

Tot Ion:	178	Resp:	2770
Ion	Ratio	Lower	Upper
178	100		
179	21.3	15.5	23.3
176	22.2	16.6	25.0

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#15

Fluoranthene

Concen: 1.286 ng/ul m

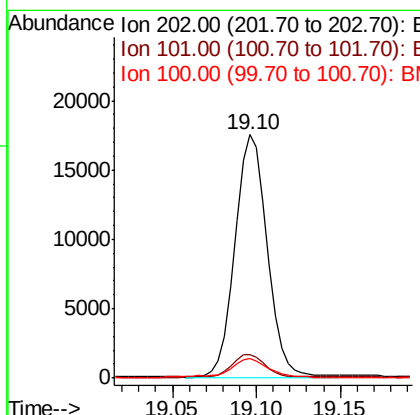
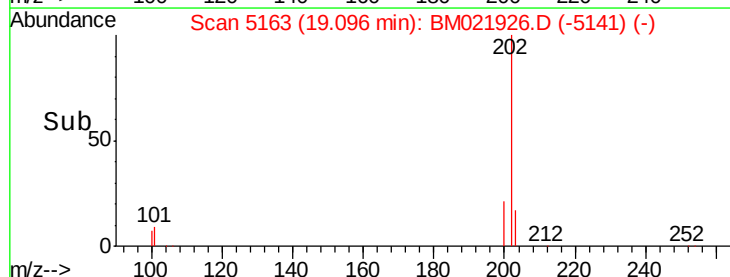
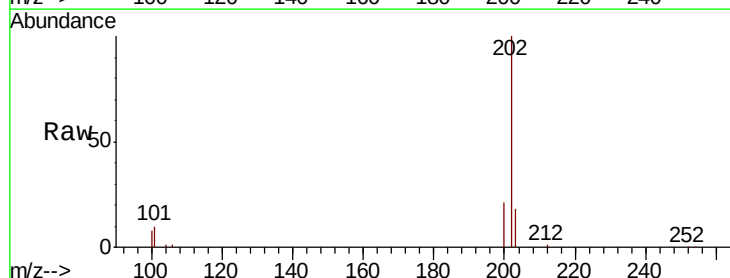
RT: 19.10 min Scan# 5163

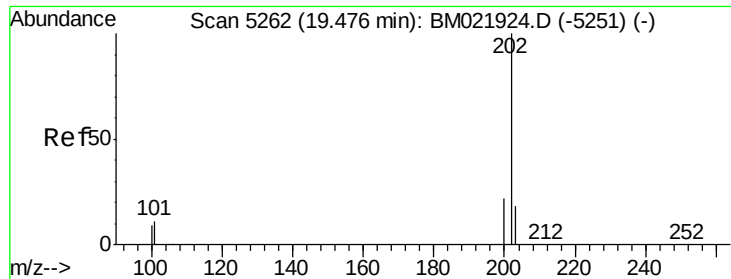
Delta R.T. -0.02 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Tgt Ion:	202	Resp:	23399
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.2
100	7.8	0.0	28.1





#17

Pvrene

Concen: 1.238 ng/ul

RT: 19.46 min Scan# 5259

Delta R.T. -0.01 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

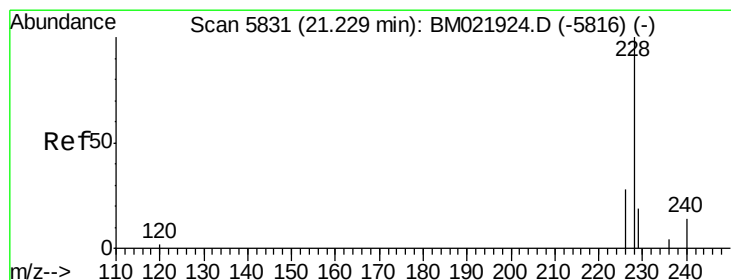
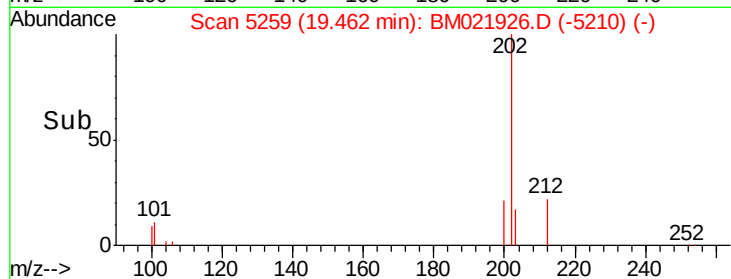
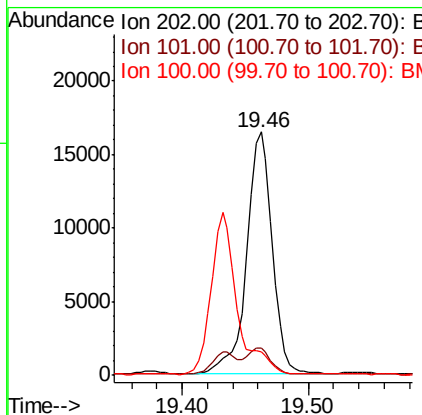
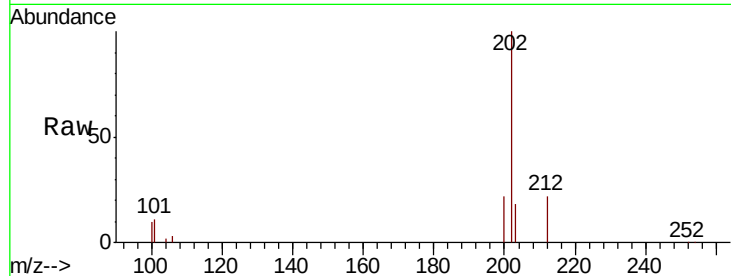
ClientSampleId :

BENY2

Tot Ion:	202	Resp:	23144
Ion Ratio	Lower	Upper	
202	100		
101	11.0	8.3	12.5
100	9.6	7.2	10.8

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#18

Benzo(a)anthracene

Concen: 0.814 ng/ul

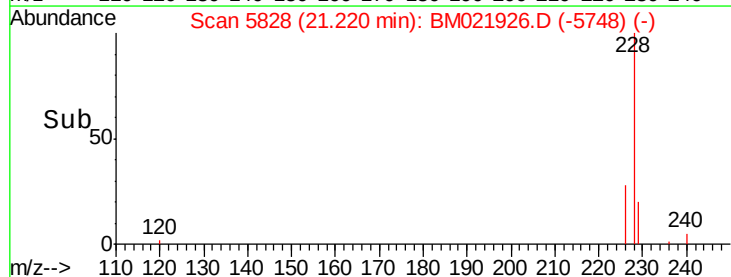
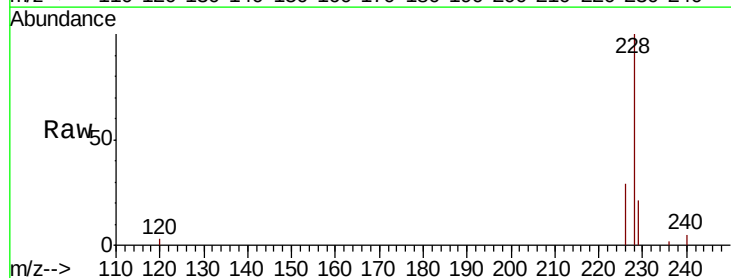
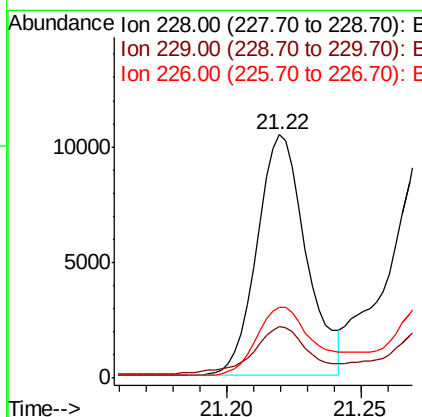
RT: 21.22 min Scan# 5828

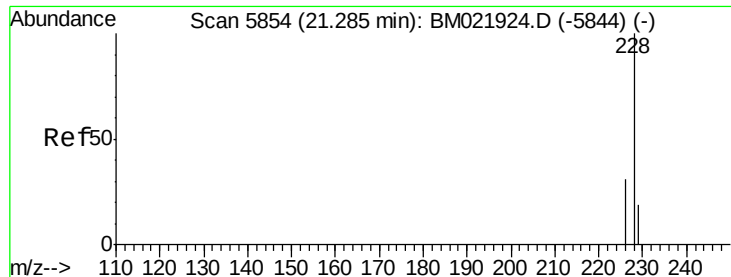
Delta R.T. -0.01 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Tgt Ion:	228	Resp:	13252
Ion Ratio	Lower	Upper	
228	100		
229	21.4	17.2	25.8
226	29.3	22.6	34.0





#19

Chrysene

Concen: 0.745 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.00 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Instrument :

BNA_M

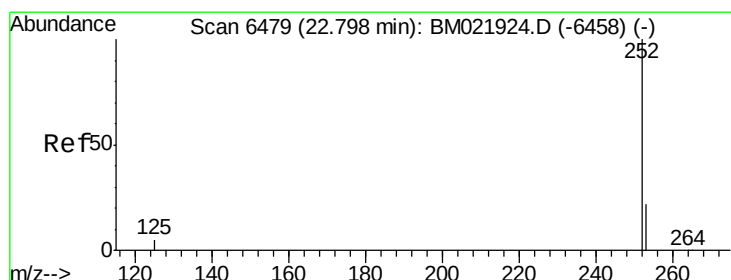
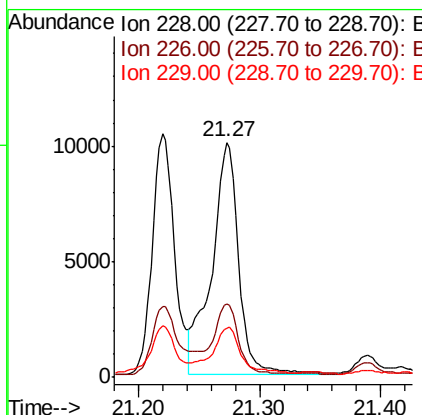
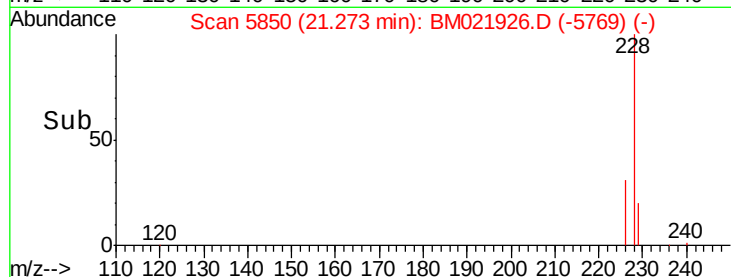
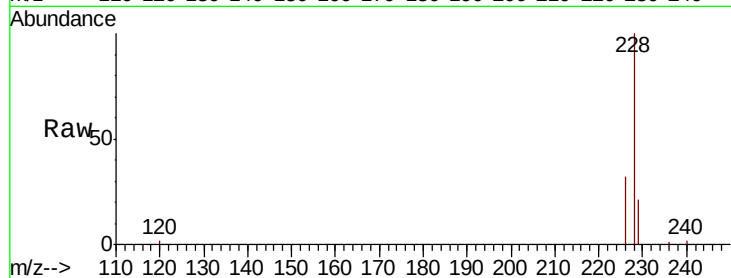
ClientSampleId :

BENY2

Tot Ion:	228	Resp:	15589
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.9	37.3
229	21.1	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 1.496 ng/ul m

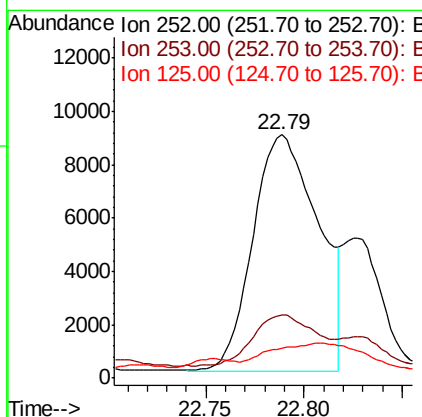
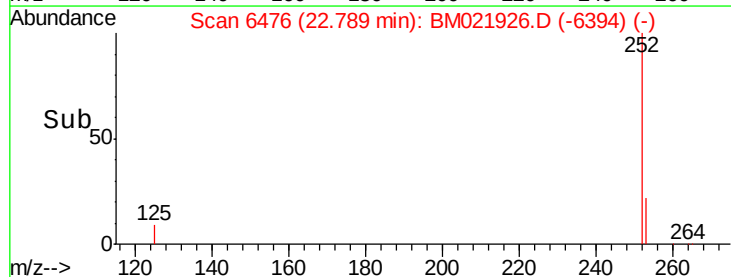
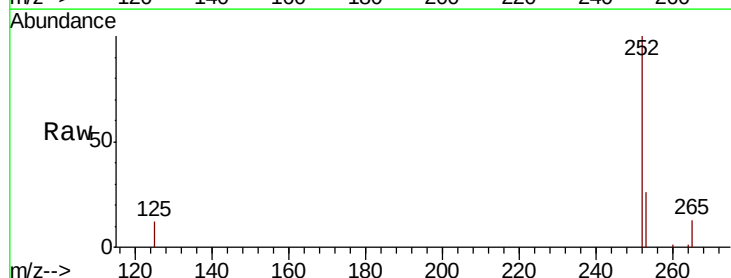
RT: 22.79 min Scan# 6476

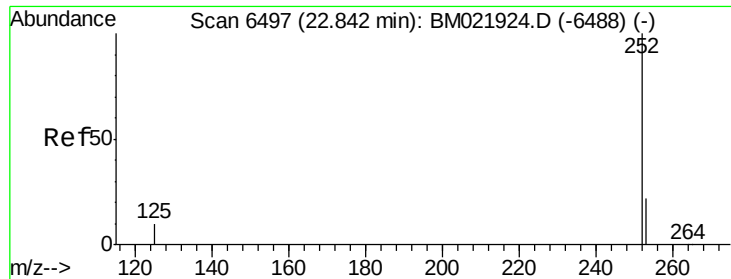
Delta R.T. -0.00 min

Lab File: BM021926.D

Acq: 08 Aug 2019 10:41

Tgt Ion:	252	Resp:	20662
Ion Ratio	Lower	Upper	
252	100		
253	26.0	0.0	67.4
125	12.4	0.0	31.0





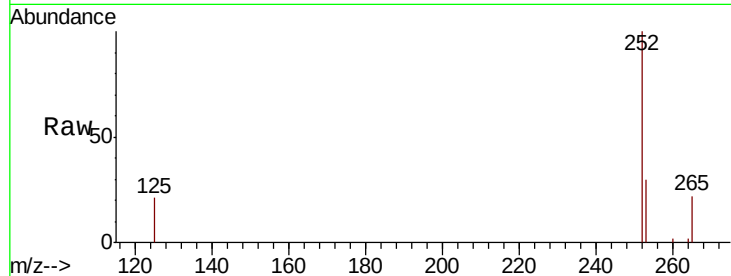
#22
Benzo(k)fluoranthene
Concen: 0.447 ng/ul m
RT: 22.82 min Scan# 6491
Delta R.T. -0.01 min
Lab File: BM021926.D
Acq: 08 Aug 2019 10:41

Instrument :
BNA_M
ClientSampleId :
BENY2

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	27.0	40.4
125	20.7	12.2	18.2#

Manual Integrations
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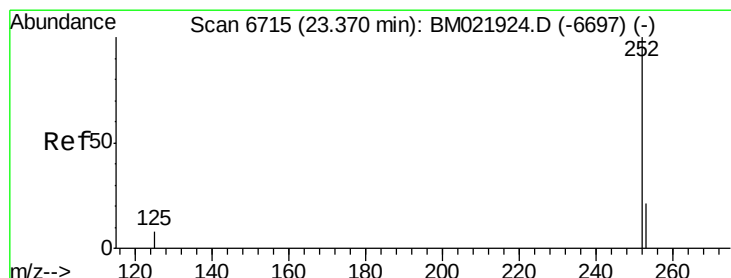
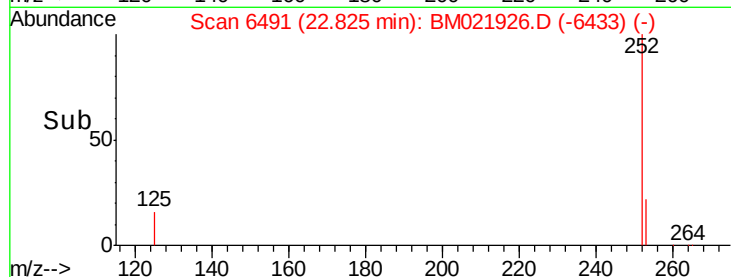
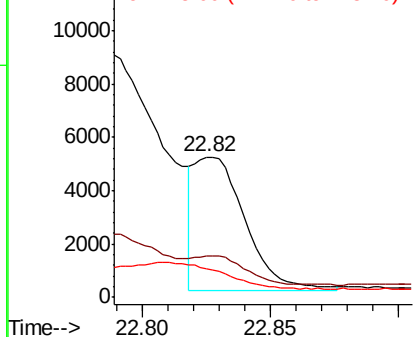


Abundance

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



#23
Benzo(a)pyrene
Concen: 0.938 ng/ul m
RT: 23.35 min Scan# 6708
Delta R.T. -0.01 min
Lab File: BM021926.D
Acq: 08 Aug 2019 10:41

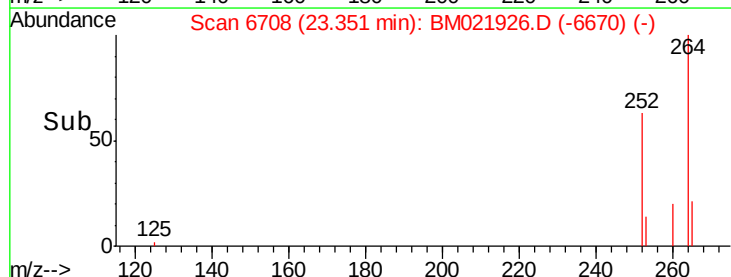
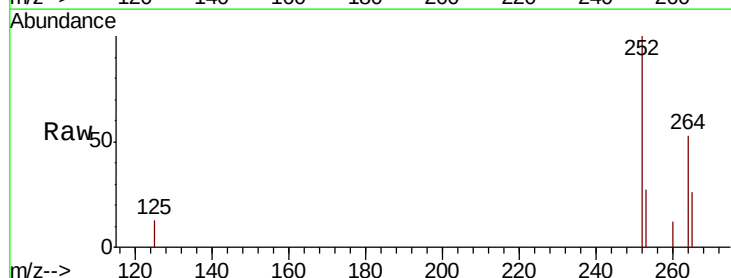
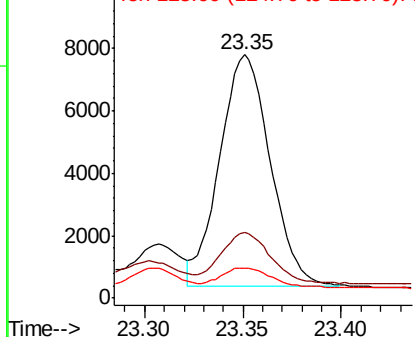
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	31.7	47.5#
125	12.5	14.6	21.8#

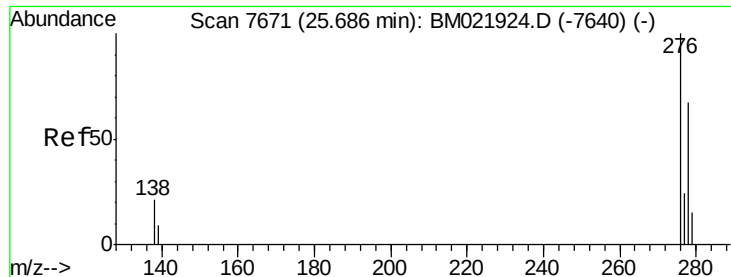
Abundance

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





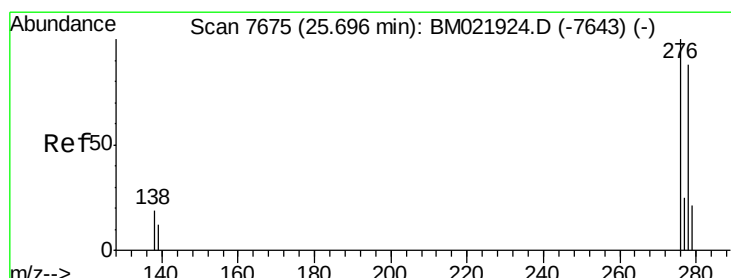
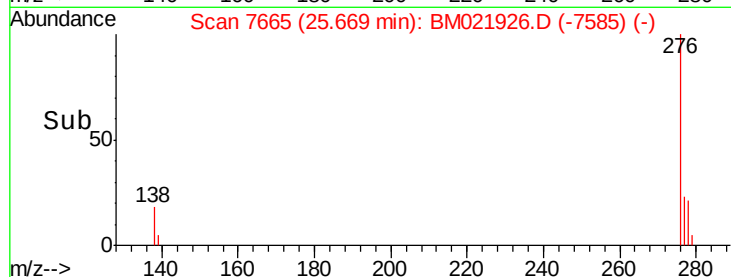
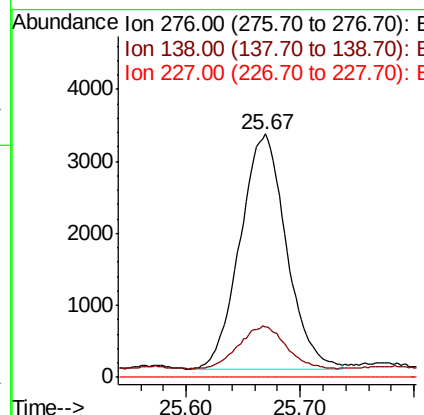
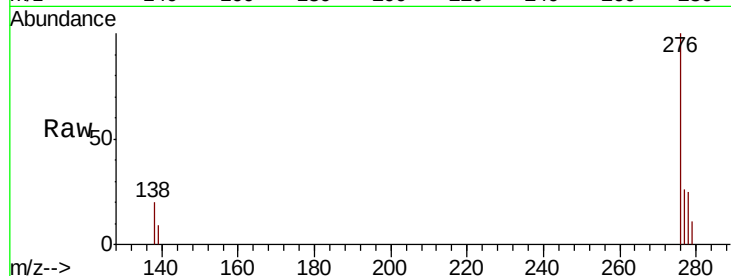
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.550 ng/ul m
 RT: 25.67 min Scan# 7665
 Delta R.T. -0.01 min
 Lab File: BM021926.D
 Acq: 08 Aug 2019 10:41

Instrument :
 BNA_M
 ClientSampleId :
 BENY2

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.7	15.1	22.7#
227	0.0	0.0	0.0

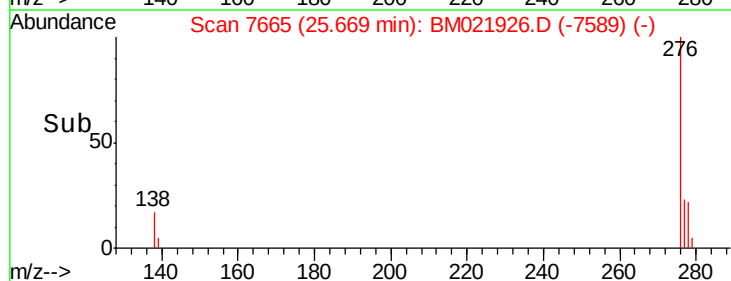
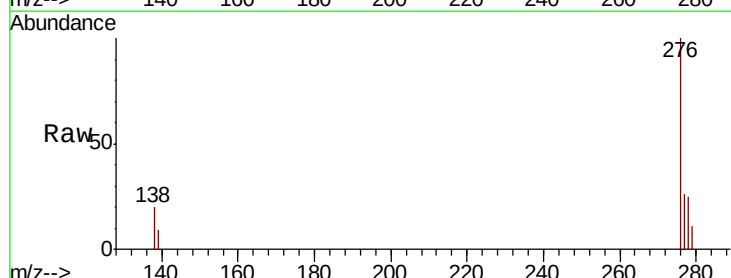
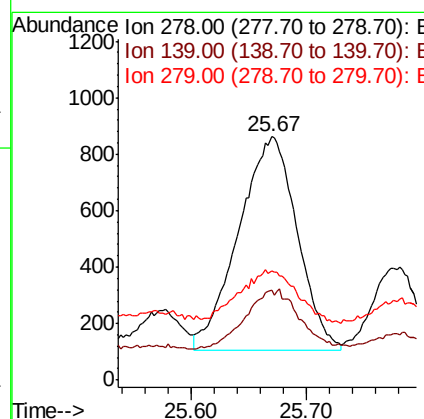
Manual Integrations
 APPROVED

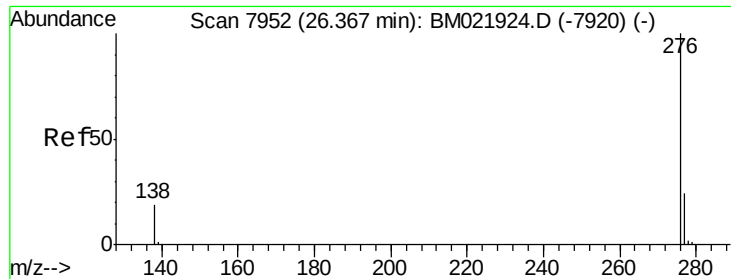
mohammad
 8/9/2019 6:12:11 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.199 ng/ul m
 RT: 25.67 min Scan# 7665
 Delta R.T. -0.02 min
 Lab File: BM021926.D
 Acq: 08 Aug 2019 10:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.8	14.2	21.2#
279	44.7	28.3	42.5#





#26
 Benzo(a,h,i)perylene
 Concen: 0.495 ng/ul m
 RT: 26.35 min Scan# 7944
 Delta R.T. -0.01 min
 Lab File: BM021926.D
 Acq: 08 Aug 2019 10:41

Instrument :
 BNA_M
 ClientSampleId :
 BENY2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.5	23.3
277	26.9	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:12:11 AM

