

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM021971.D
 Acq On : 09 Aug 2019 15:24
 Operator : HP/JU
 Sample : K4029-19DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT8DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:35:51 AM

Quant Time: Aug 10 06:25:22 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 : Fri Aug 09 01:29:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	911	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3931	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2147	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4898	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4876	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	7424	0.40	ng/ul	-0.01

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.02	152	860	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2314	0.14	ng/ul	-0.02

Target Compounds

						Qvalue
3) Naphthalene	10.45	128	350	0.032	ng/ul#	64
7) Acenaphthylene	13.99	152	1327	0.133	ng/ul#	80
8) Acenaphthene	14.33	153	288	0.035	ng/ul#	94
9) Fluorene	15.33	166	410	0.045	ng/ul#	93
12) Phenanthrene	17.07	178	7823	0.549	ng/ul	99
13) Anthracene	17.16	178	2181	0.179	ng/ul	94
15) Fluoranthene	19.09	202	22871	1.198	ng/ul	99
17) Pyrene	19.46	202	23213	1.159	ng/ul	98
18) Benzo(a)anthracene	21.21	228	13588	0.779	ng/ul	98
19) Chrysene	21.27	228	15291	0.682	ng/ul	97
21) Benzo(b)fluoranthene	22.78	252	19946m	0.797	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	5654m	0.200	ng/ul	
23) Benzo(a)pyrene	23.34	252	12898	0.507	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.65	276	8781	0.289	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.66	278	2408	0.098	ng/ul#	80
26) Benzo(g,h,i)perylene	26.34	276	6976	0.255	ng/ul	97

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

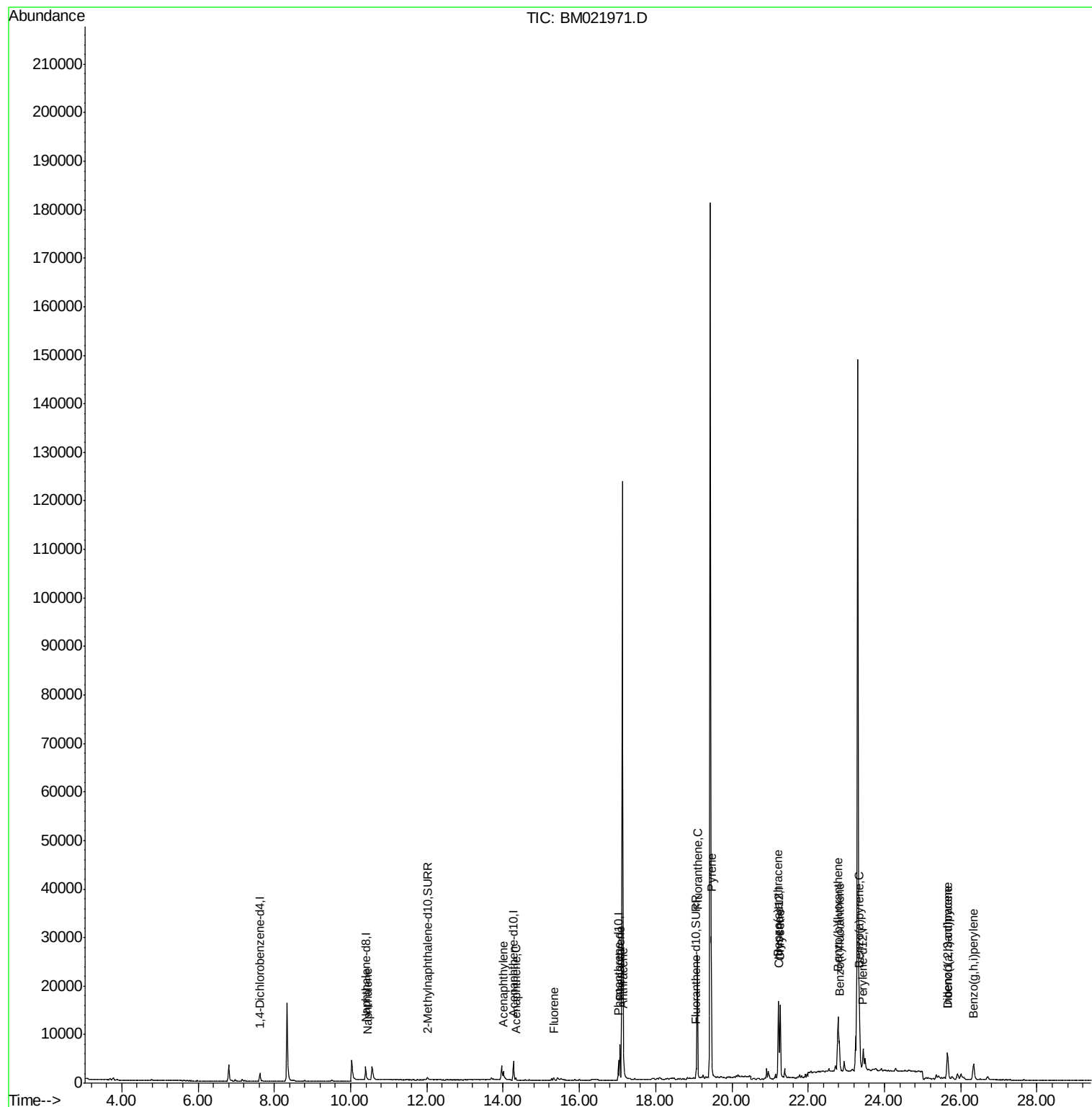
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM021971.D
Acq On : 09 Aug 2019 15:24
Operator : HP/JU
Sample : K4029-19DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

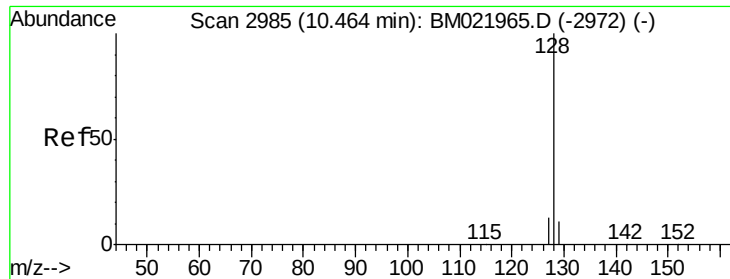
Instrument :
BNA_M
ClientSampleId :
BENT8DL

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Quant Time: Aug 10 06:25:22 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.032 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Instrument :

BNA_M

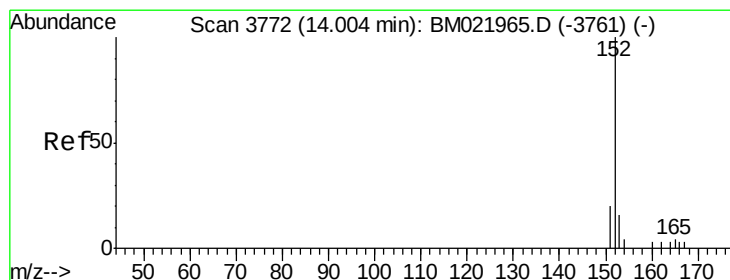
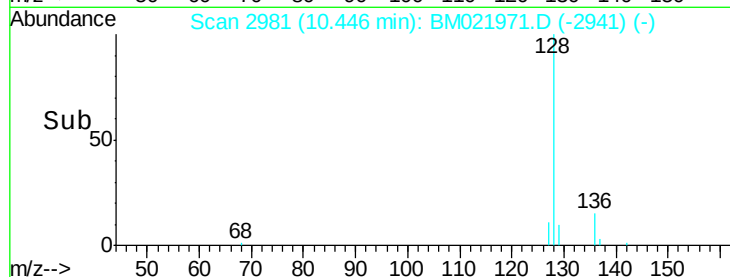
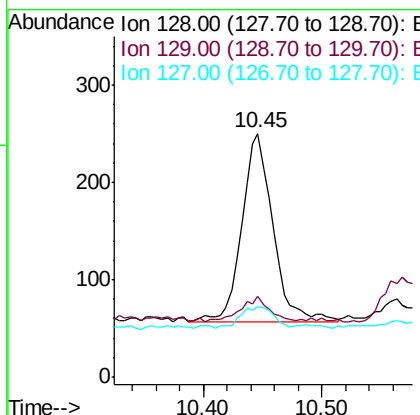
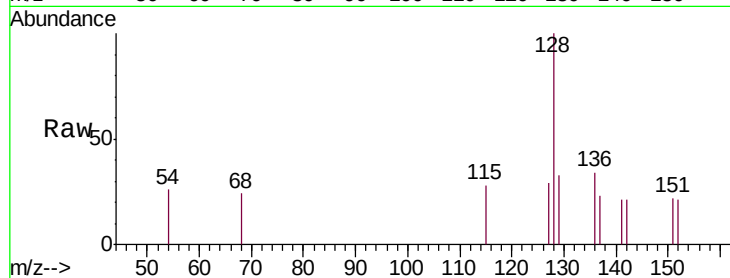
ClientSampleId :

BENT8DL

Tgt Ion:	128	Resp:	350
Ion Ratio	Lower	Upper	
128	100		
129	33.2	12.3	18.5#
127	28.8	13.0	19.6#

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#7

Acenaphthylene

Concen: 0.133 ng/ul

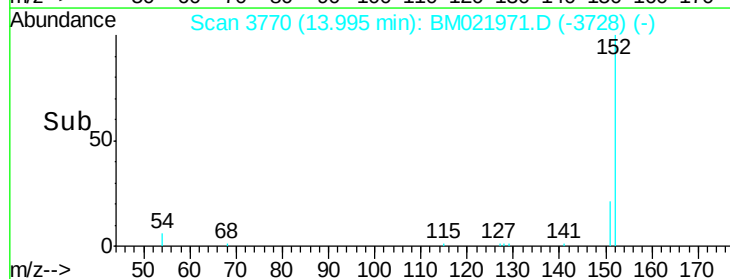
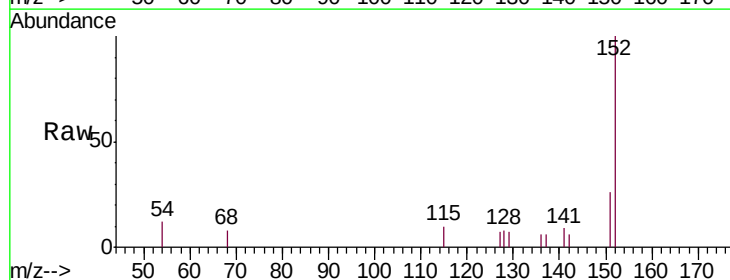
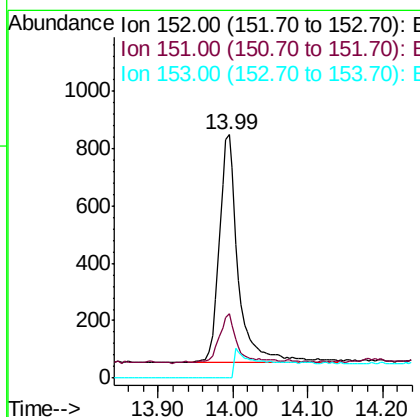
RT: 13.99 min Scan# 3770

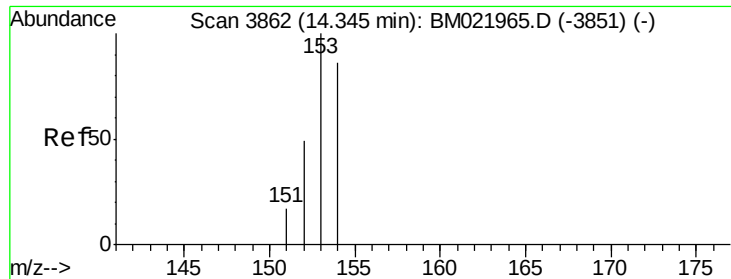
Delta R.T. -0.01 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Tgt Ion:	152	Resp:	1327
Ion Ratio	Lower	Upper	
152	100		
151	26.3	18.3	27.5
153	0.0	12.8	19.2#





#8

Acenaphthene

Concen: 0.035 ng/ul

RT: 14.33 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Instrument :

BNA_M

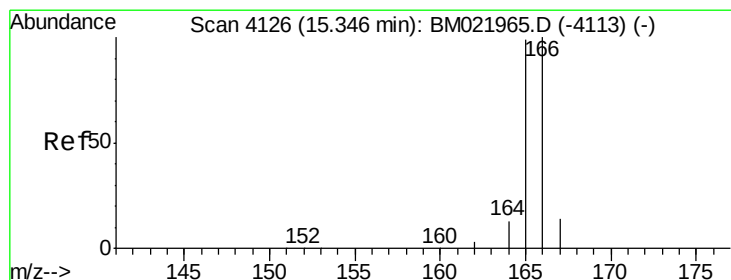
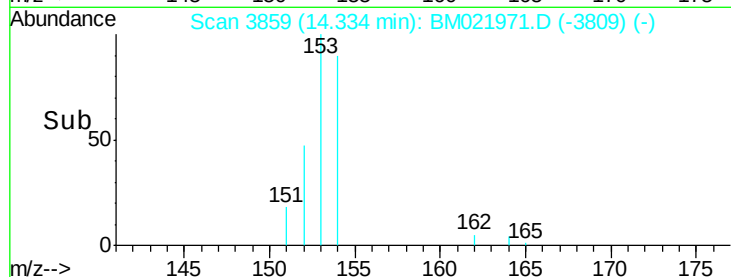
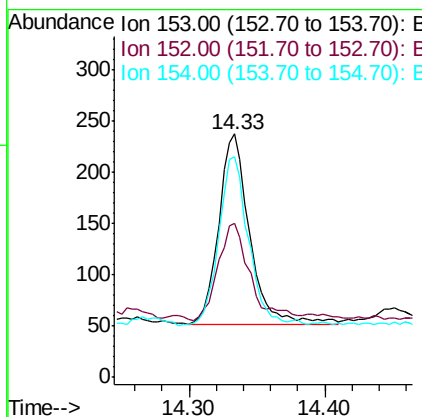
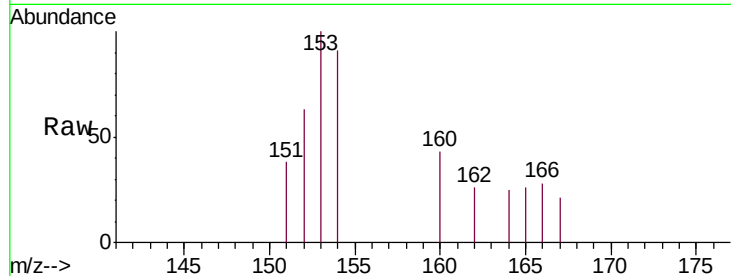
ClientSampleId :

BENT8DL

Tgt Ion:	153	Resp:	288
Ion Ratio	Lower	Upper	
153	100		
152	63.3	41.3	61.9#
154	90.7	72.3	108.5

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#9

Fluorene

Concen: 0.045 ng/ul

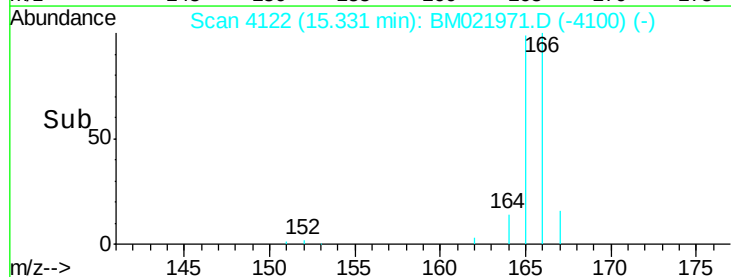
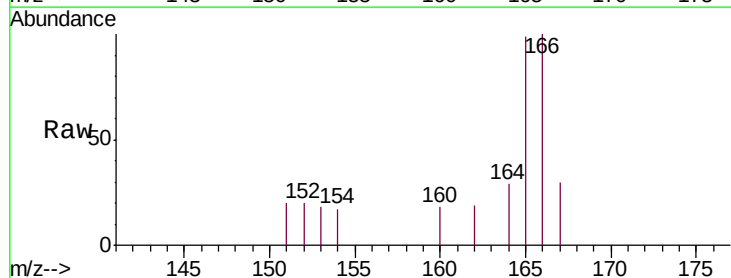
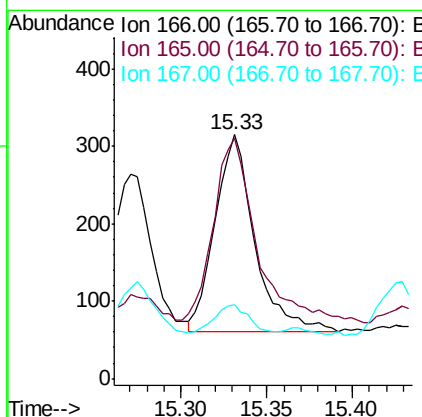
RT: 15.33 min Scan# 4122

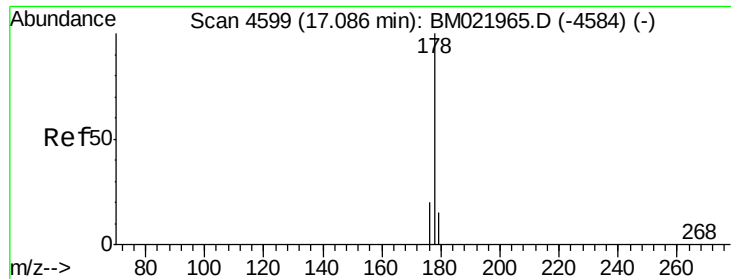
Delta R.T. -0.02 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Tgt Ion:	166	Resp:	410
Ion Ratio	Lower	Upper	
166	100		
165	98.7	81.4	122.0
167	30.5	13.7	20.5#





#12

Phenanthrene

Concen: 0.549 ng/ul

RT: 17.07 min Scan# 4593

Delta R.T. -0.02 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Instrument :

BNA_M

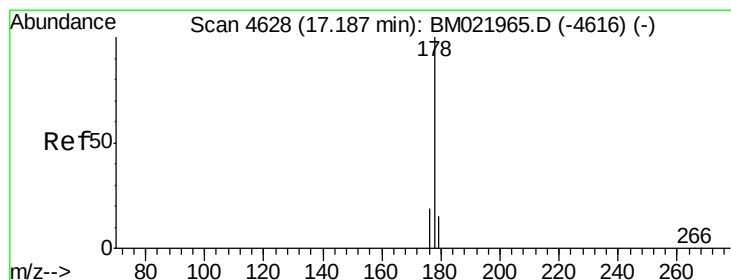
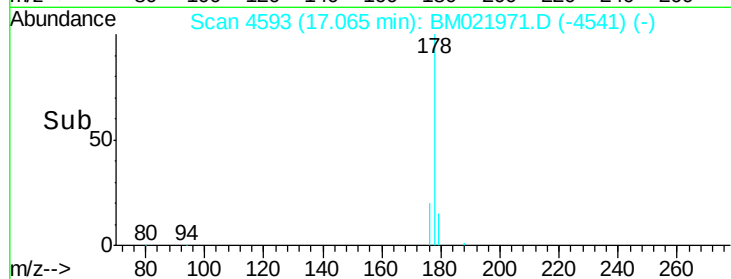
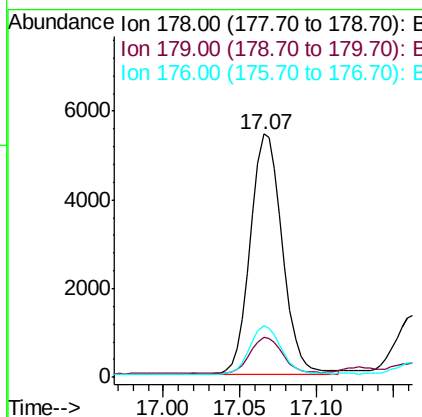
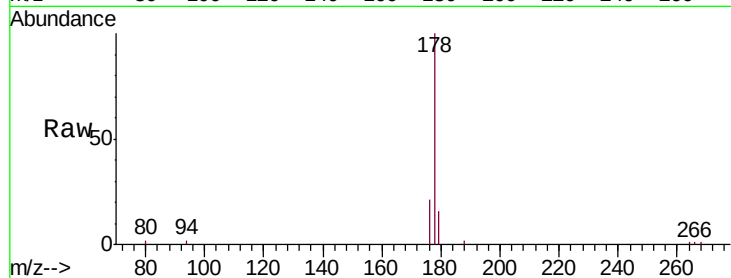
ClientSampleId :

BENT8DL

Tgt Ion:	178	Resp:	7823
Ion Ratio	Lower	Upper	
178	100		
179	16.4	14.2	21.2
176	21.1	16.8	25.2

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#13

Anthracene

Concen: 0.179 ng/ul

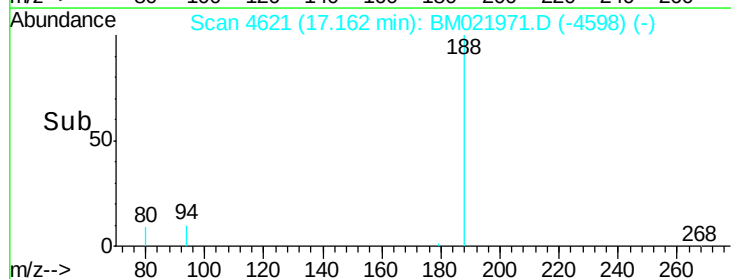
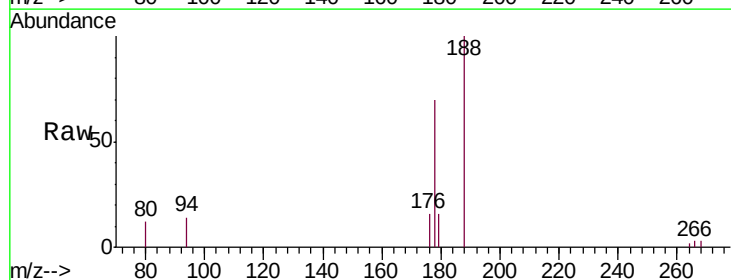
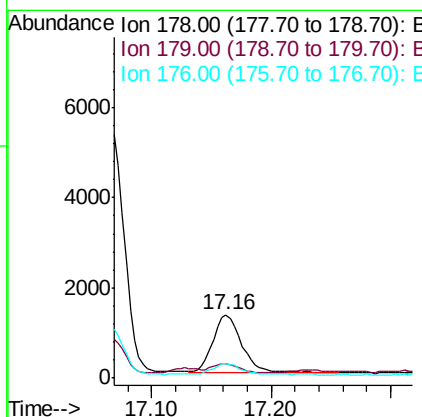
RT: 17.16 min Scan# 4621

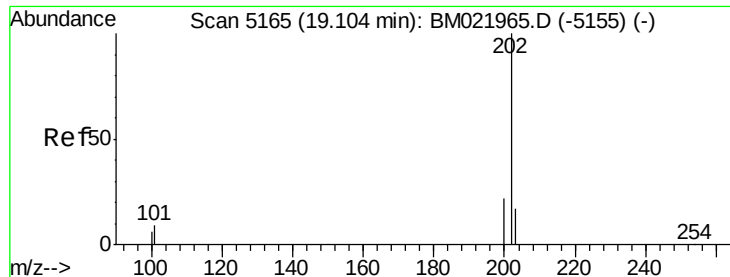
Delta R.T. -0.02 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Tgt Ion:	178	Resp:	2181
Ion Ratio	Lower	Upper	
178	100		
179	22.6	15.5	23.3
176	22.9	16.6	25.0





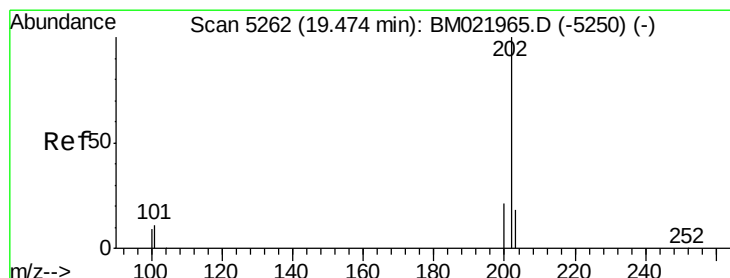
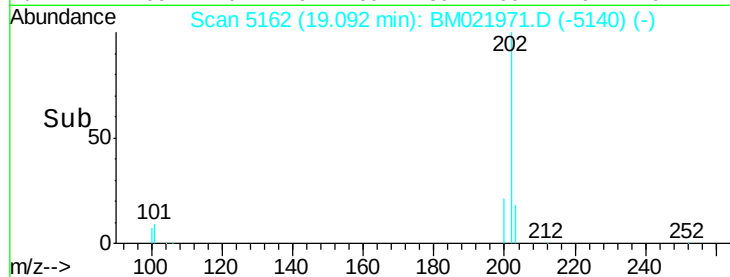
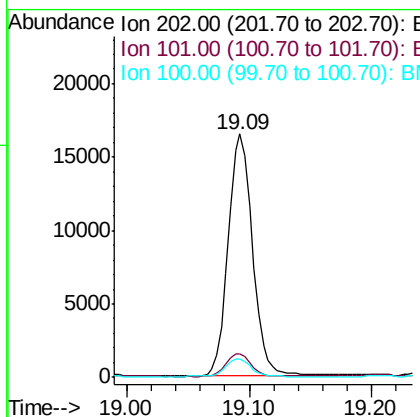
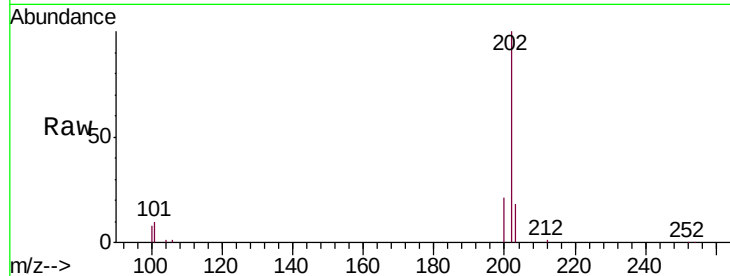
#15
Fluoranthene
 Concen: 1.198 ng/ul
 RT: 19.09 min Scan# 5162
 Delta R.T. -0.02 min
 Lab File: BM021971.D
 Acq: 09 Aug 2019 15:24

Instrument :
 BNA_M
 ClientSampleId :
 BENT8DL

Tgt Ion:	202	Resp:	22871
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	30.2
100	7.7	0.0	28.1

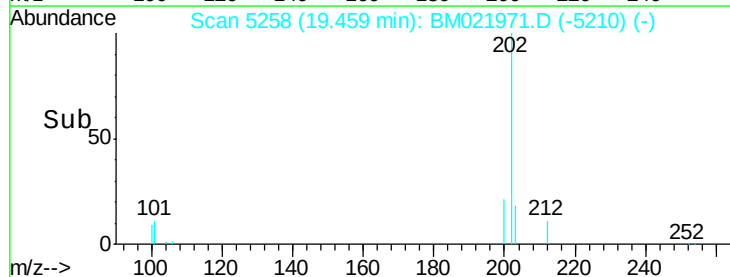
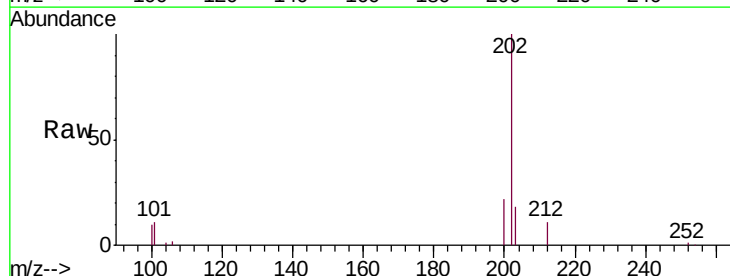
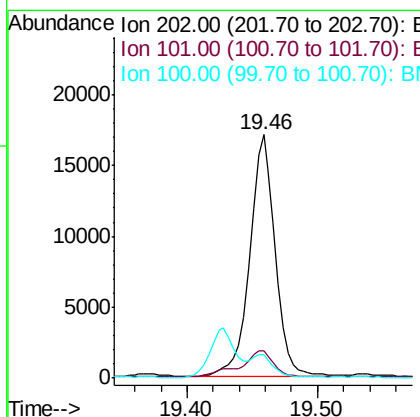
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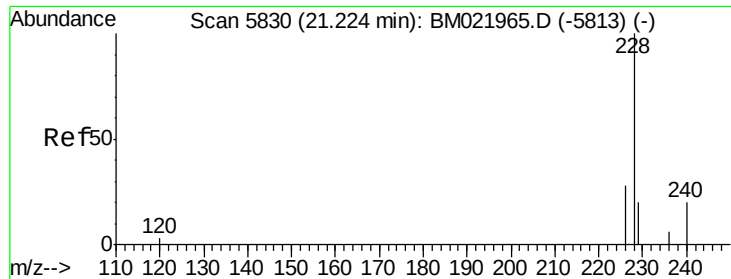
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#17
Pyrene
 Concen: 1.159 ng/ul
 RT: 19.46 min Scan# 5258
 Delta R.T. -0.02 min
 Lab File: BM021971.D
 Acq: 09 Aug 2019 15:24

Tgt Ion:	202	Resp:	23213
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.3	12.5
100	9.6	7.2	10.8





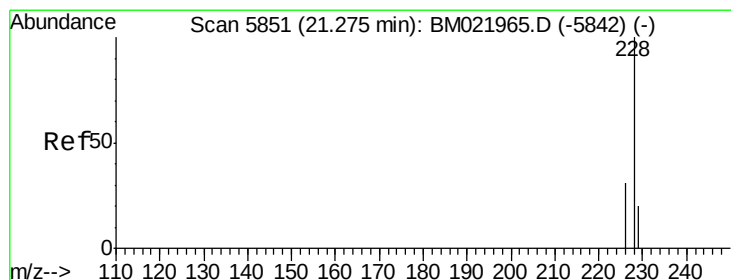
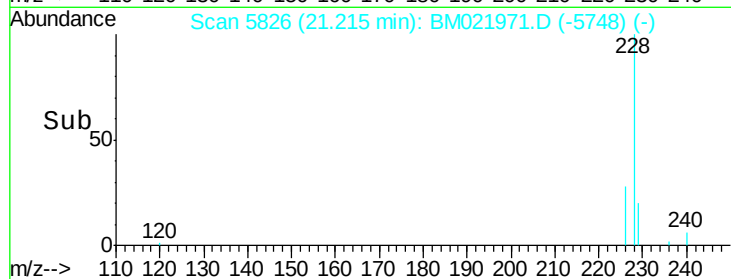
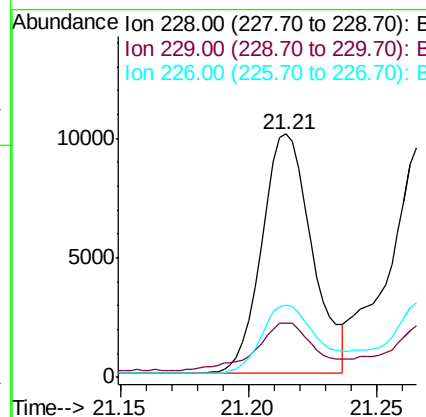
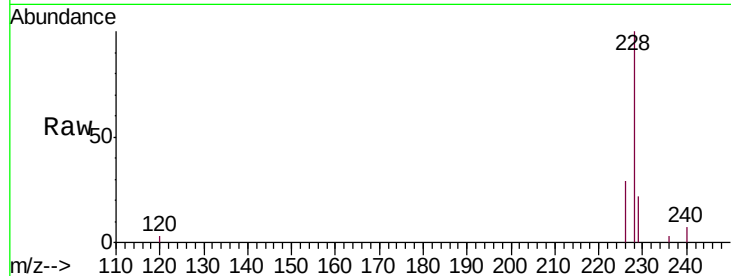
#18
Benzo(a)anthracene
Concen: 0.779 ng/ul
RT: 21.21 min Scan# 5826
Delta R.T. -0.01 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Instrument :
BNA_M
ClientSampled :
BENT8DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.5	17.2	25.8
226	29.5	22.6	34.0

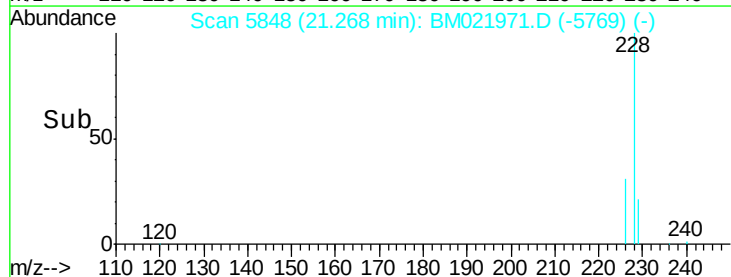
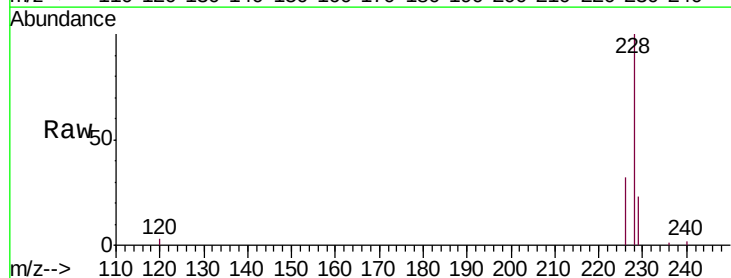
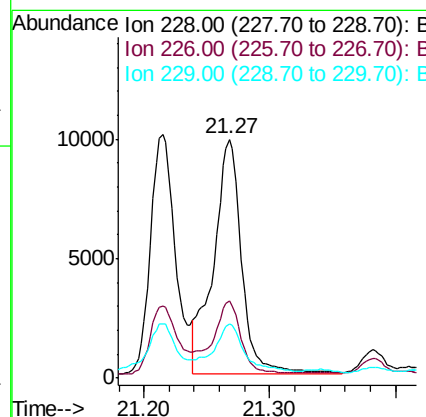
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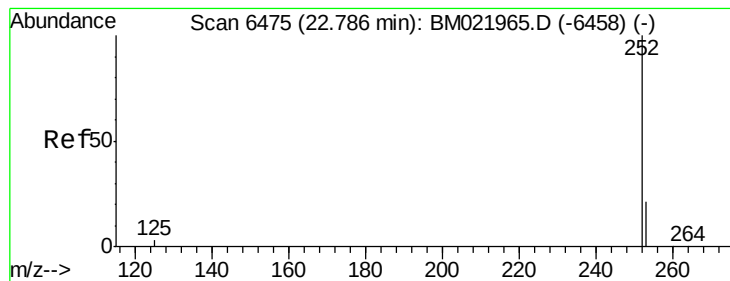
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#19
Chrysene
Concen: 0.682 ng/ul
RT: 21.27 min Scan# 5848
Delta R.T. -0.01 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	22.6	16.6	25.0





#21

Benzo(b)fluoranthene

Concen: 0.797 ng/ul m

RT: 22.78 min Scan# 6473

Delta R.T. -0.01 min

Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Instrument :

BNA_M

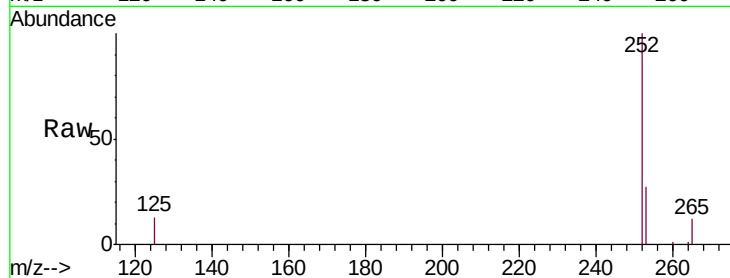
ClientSampleId :

BENT8DL

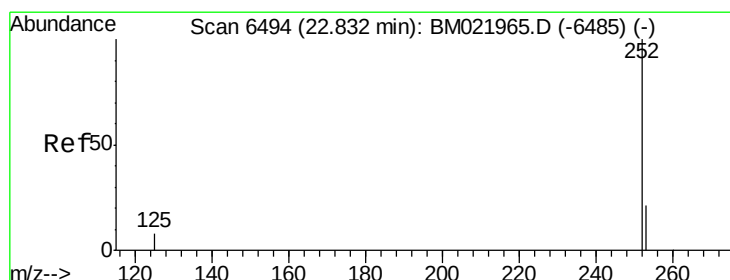
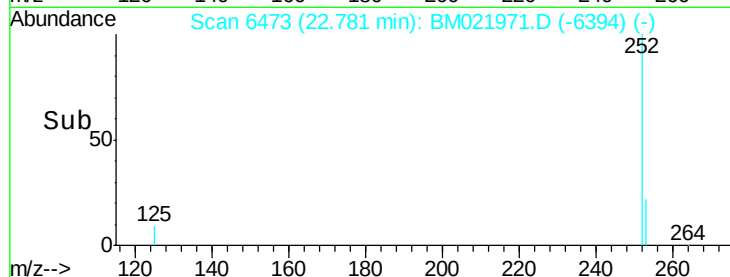
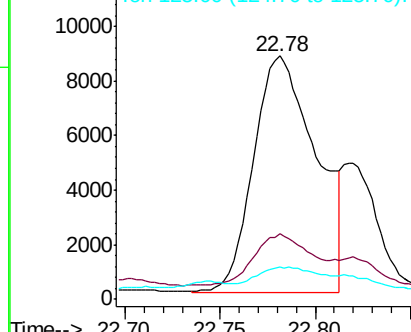
Tgt Ion:	252	Resp:	19946
Ion Ratio	Lower	Upper	
252	100		
253	26.7	0.0	67.4
125	13.3	0.0	31.0

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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



#22

Benzo(k)fluoranthene

Concen: 0.200 ng/ul m

RT: 22.82 min Scan# 6488

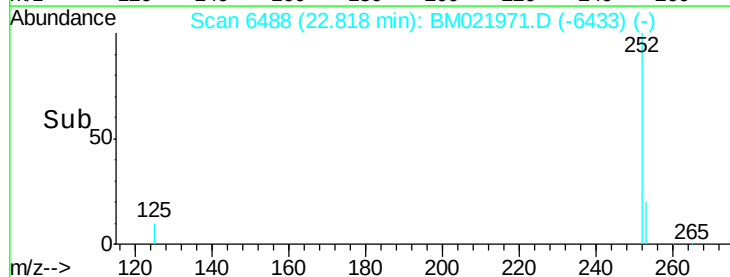
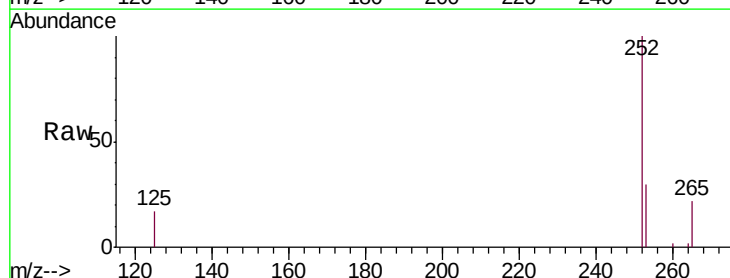
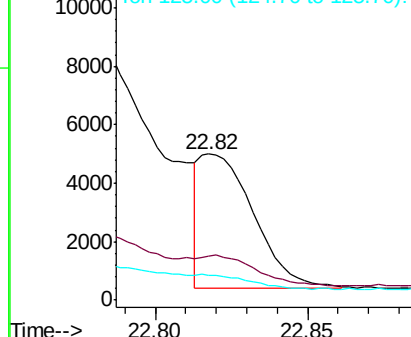
Delta R.T. -0.02 min

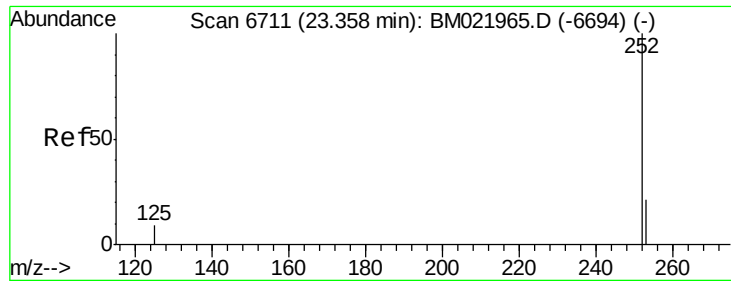
Lab File: BM021971.D

Acq: 09 Aug 2019 15:24

Tgt Ion:	252	Resp:	5654
Ion Ratio	Lower	Upper	
252	100		
253	30.2	27.0	40.4
125	16.8	12.2	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





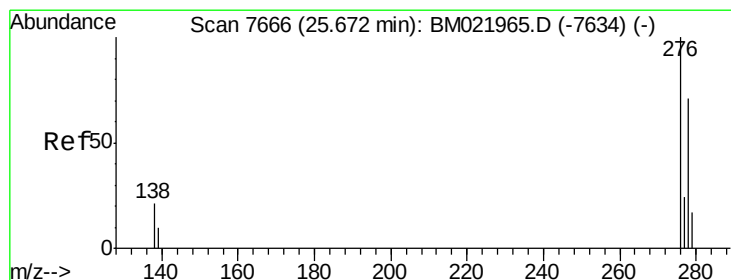
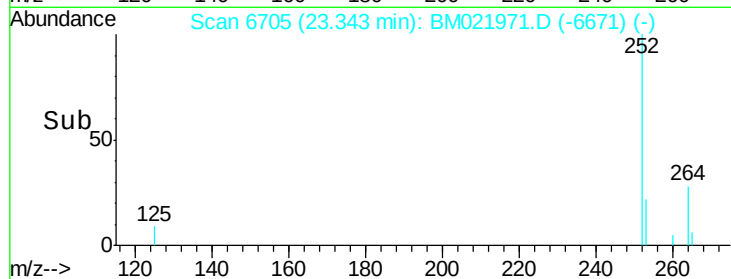
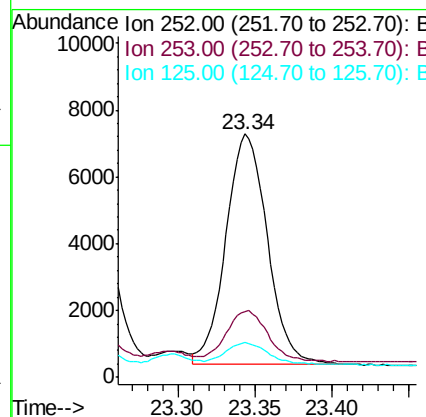
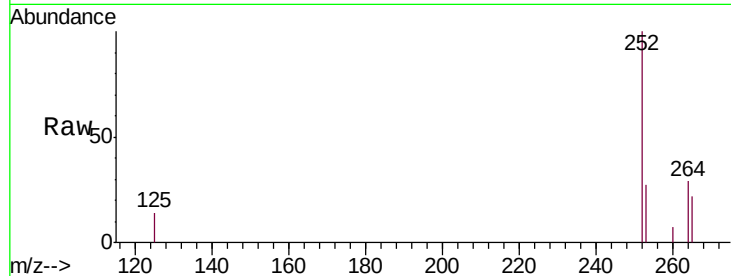
#23
Benzo(a)pyrene
Concen: 0.507 ng/ul
RT: 23.34 min Scan# 6705
Delta R.T. -0.02 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Instrument :
BNA_M
ClientSampleId :
BENT8DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.2	31.7	47.5#
125	14.3	14.6	21.8#

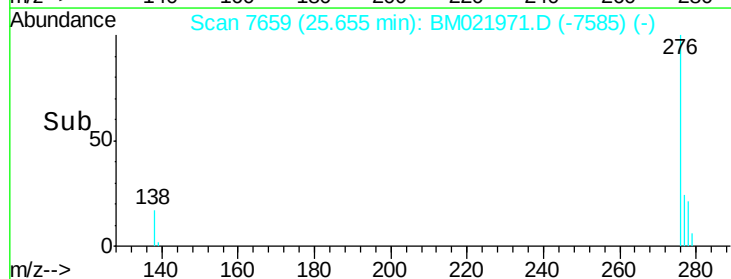
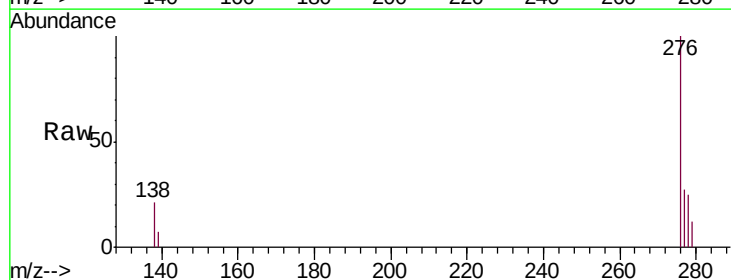
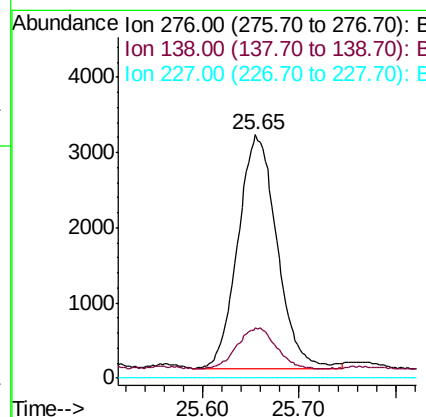
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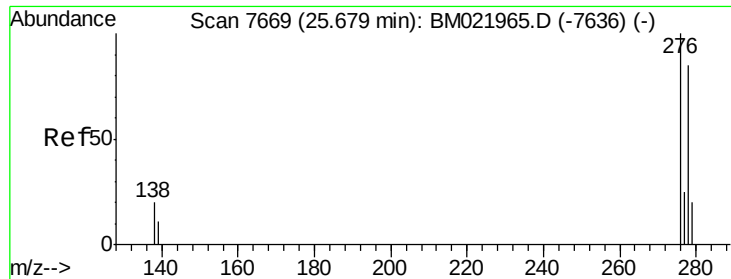
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8/13/2019 8:35:51 AM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.289 ng/ul
RT: 25.65 min Scan# 7659
Delta R.T. -0.02 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	17.5	15.1	22.7
227	0.0	0.0	0.0





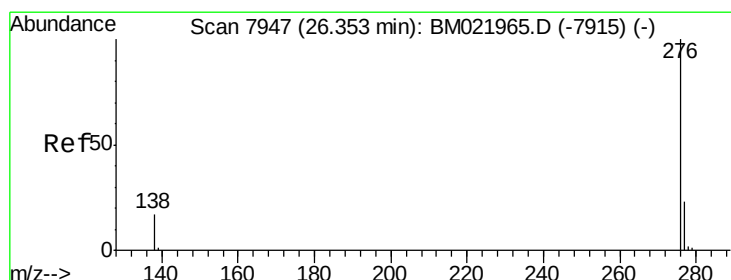
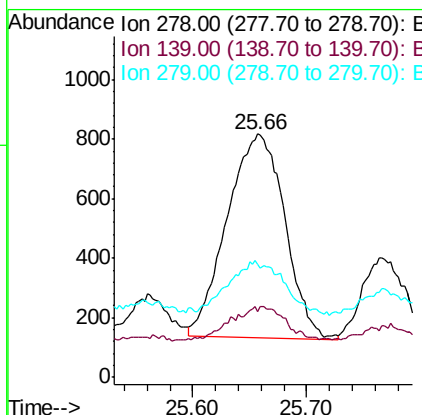
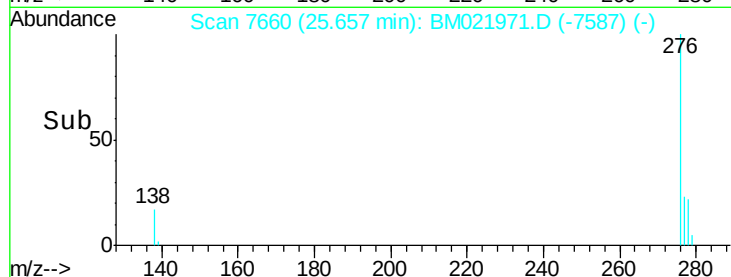
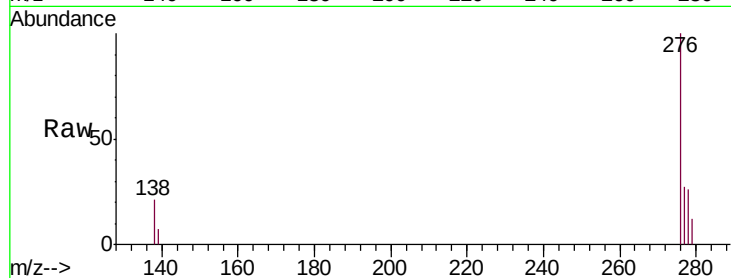
#25
Dibenzo(a,h)anthracene
Concen: 0.098 ng/ul
RT: 25.66 min Scan# 7660
Delta R.T. -0.02 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Instrument :
BNA_M
ClientSampleId :
BENT8DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.0	14.2	21.2#
279	46.3	28.3	42.5#

Manual Integrations
APPROVED

Sohil
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#26
Benzo(g,h,i)perylene
Concen: 0.255 ng/ul
RT: 26.34 min Scan# 7940
Delta R.T. -0.02 min
Lab File: BM021971.D
Acq: 09 Aug 2019 15:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	15.5	23.3
277	27.3	21.4	32.2

