

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\
 Data File : BM028814.D
 Acq On : 19 Feb 2021 10:30
 Operator : CG/JU
 Sample : M1379-09REDL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBGY9REDL

Manual Integrations
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 2/19/2021 1:20:29 PM

Quant Time: Feb 19 11:04:20 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 10:10:00 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	414	0.40	ng/ul	0.00
2) Naphthalene-d8	10.69	136	1649	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	884	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.27	188	1742	0.40	ng/ul	0.00
16) Chrysene-d12	21.43	240	3128	0.40	ng/ul	0.01
20) Perylene-d12	23.66	264	1638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.29	152	81	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	199	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.74	128	152	0.037	ng/ul#	27
7) Acenaphthylene	14.26	152	360	0.100	ng/ul#	20
9) Fluorene	15.58	166	119	0.037	ng/ul#	73
12) Phenanthrene	17.32	178	1036	0.213	ng/ul#	89
13) Anthracene	17.40	178	494	0.106	ng/ul#	65
15) Fluoranthene	19.32	202	1954	0.353	ng/ul	87
17) Pyrene	19.68	202	1771	0.156	ng/ul#	90
18) Benzo(a)anthracene	21.42	228	763	0.071	ng/ul#	1
19) Chrysene	21.47	228	1362m	0.128	ng/ul	
21) Benzo(b)fluoranthene	22.99	252	1368m	0.244	ng/ul	
22) Benzo(k)fluoranthene	23.03	252	414m	0.074	ng/ul	
23) Benzo(a)pyrene	23.57	252	673	0.135	ng/ul#	26
24) Indeno(1,2,3-cd)pyrene	25.92	276	614	0.094	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.92	278	180	0.033	ng/ul#	1
26) Benzo(g,h,i)perylene	26.61	276	552	0.102	ng/ul#	55

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

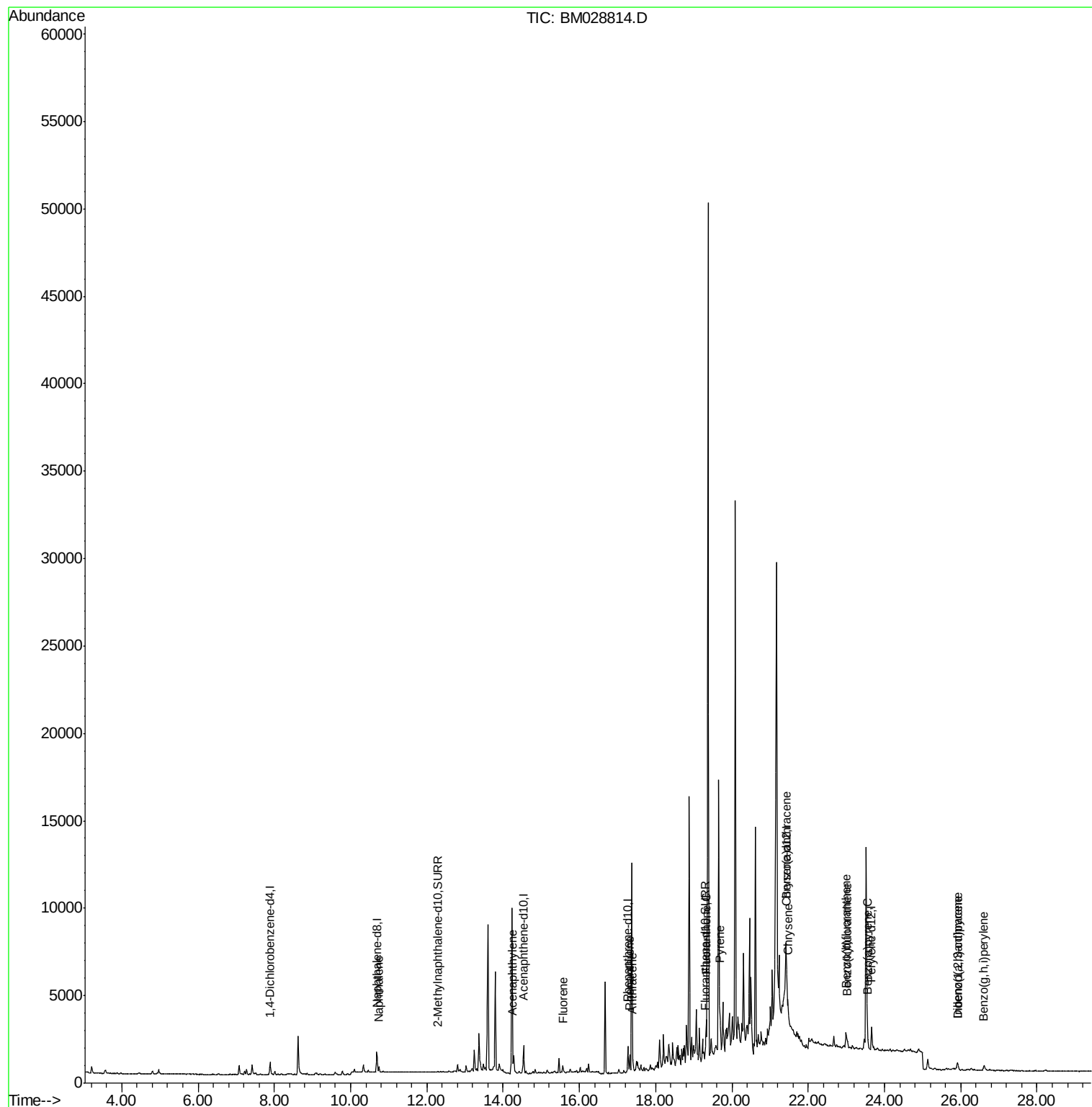
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\
Data File : BM028814.D
Acq On : 19 Feb 2021 10:30
Operator : CG/JU
Sample : M1379-09REDL 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

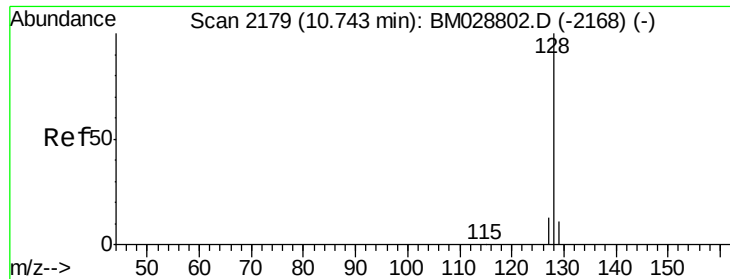
Instrument :
BNA_M
ClientSampleId :
DBGY9REDL

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Quant Time: Feb 19 11:04:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 10:10:00 2021
Response via : Initial Calibration





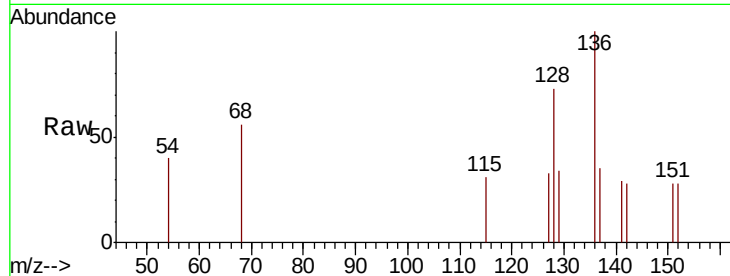
#3
Naphthalene
Concen: 0.037 ng/ul
RT: 10.74 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Instrument :
BNA_M
ClientSampleId :
DBGY9REDL

Tot Ion	Ratio	Lower	Upper
128	100		
129	46.2	11.4	17.2#
127	45.4	13.0	19.6#

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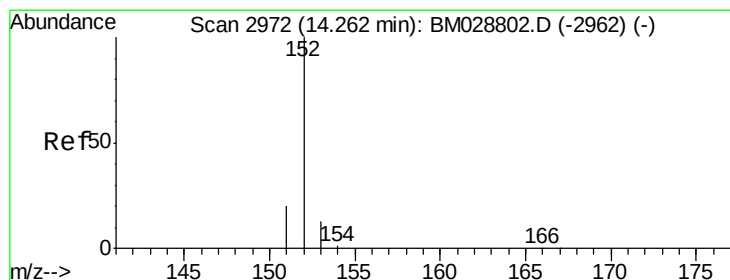
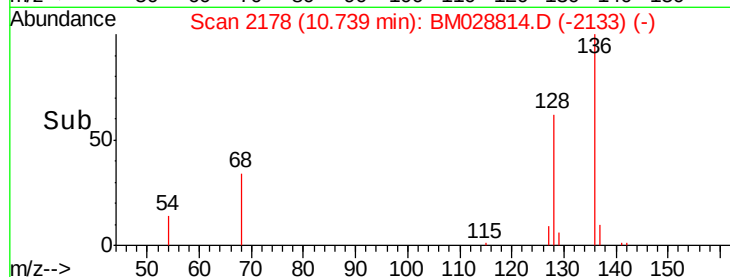
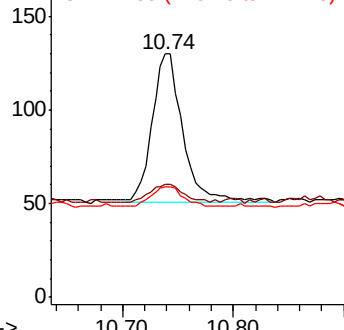


Abundance

Ion 128.00 (127.70 to 128.70): E

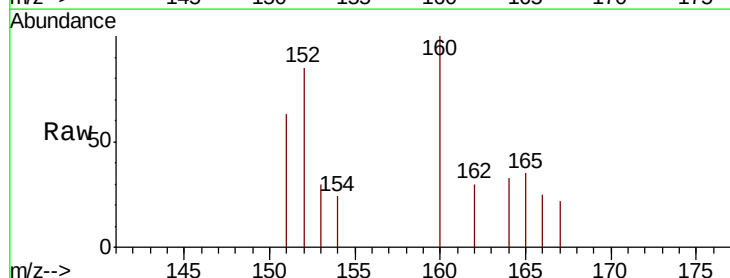
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7
Acenaphthylene
Concen: 0.100 ng/ul
RT: 14.26 min Scan# 2972
Delta R.T. 0.00 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	74.3	18.0	27.0#
153	35.4	13.4	20.0#

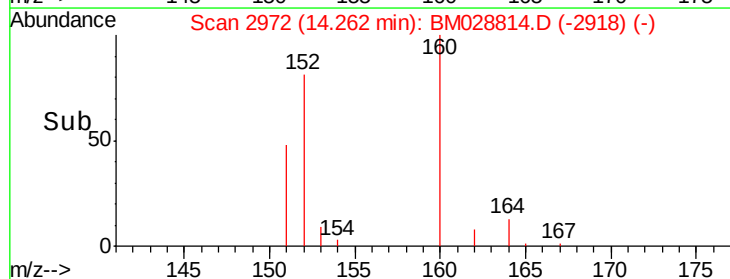
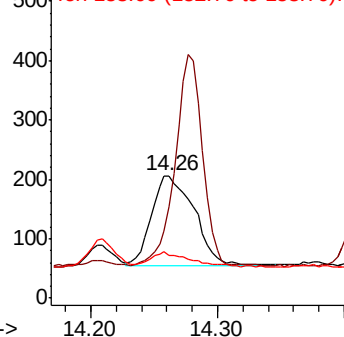


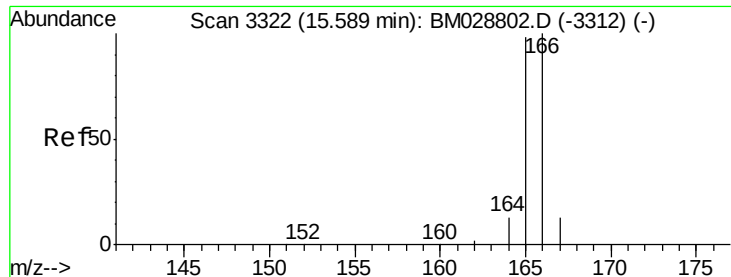
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Fluorene

Concen: 0.037 ng/ul

RT: 15.58 min Scan# 3320

Delta R.T. -0.00 min

Lab File: BM028814.D

Acq: 19 Feb 2021 10:30

Instrument :

BNA_M

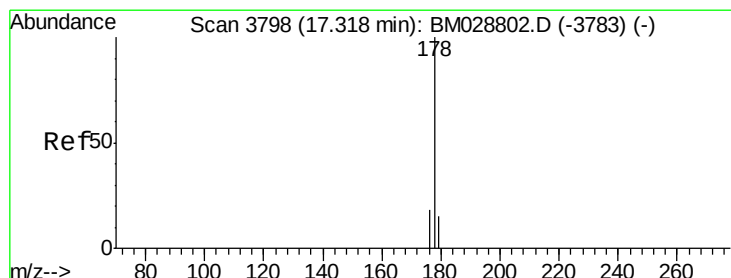
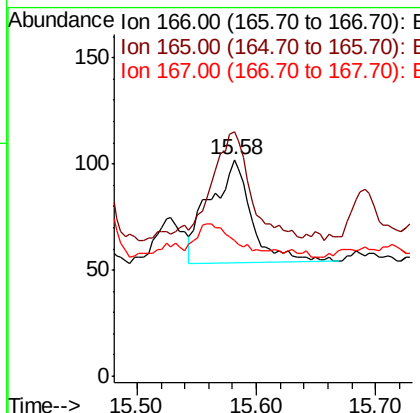
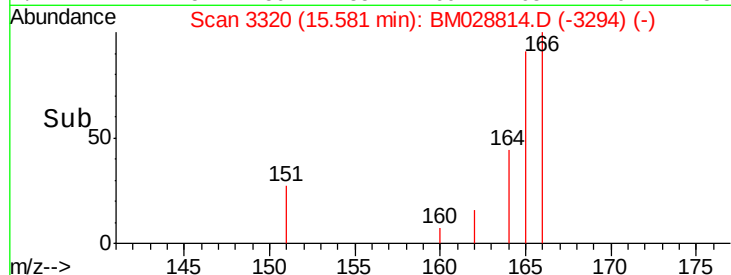
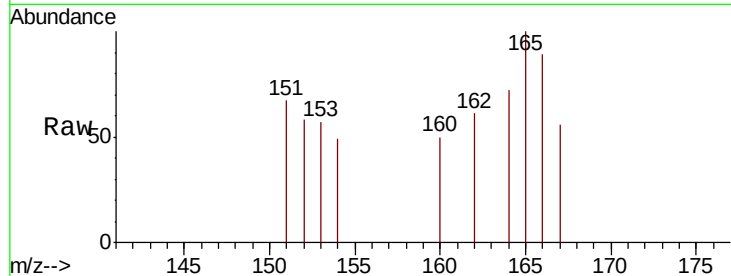
ClientSampleId :

DBGY9REDL

Tot Ion:	166	Resp:	119
Ion	Ratio	Lower	Upper
166	100		
165	112.7	79.6	119.4
167	62.7	13.9	20.9#

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#12

Phenanthrene

Concen: 0.213 ng/ul

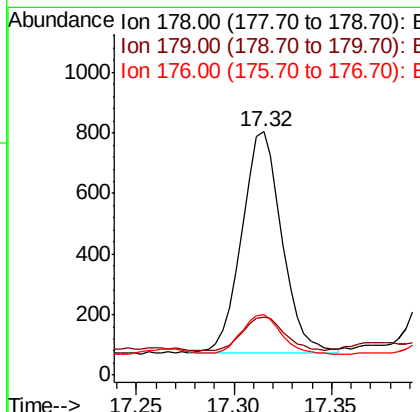
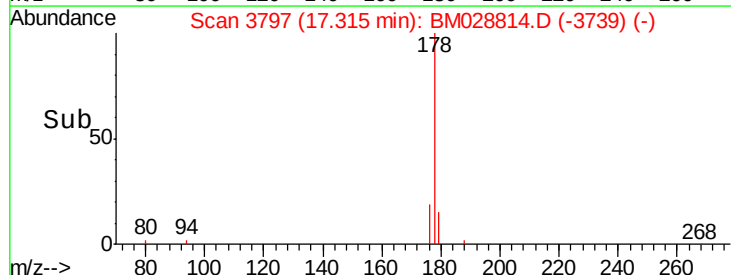
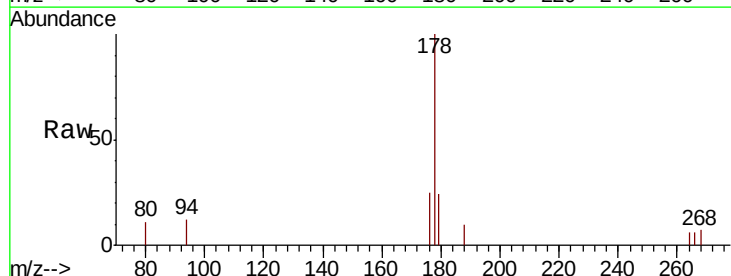
RT: 17.32 min Scan# 3797

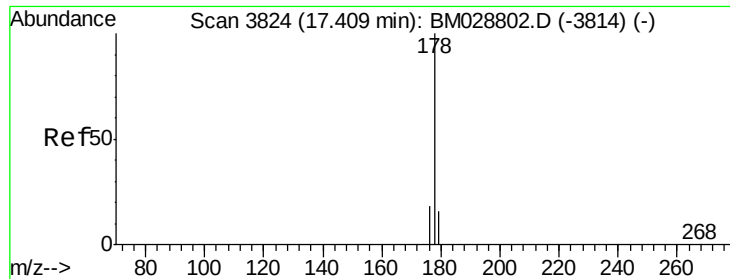
Delta R.T. 0.00 min

Lab File: BM028814.D

Acq: 19 Feb 2021 10:30

Tgt Ion:	178	Resp:	1036
Ion	Ratio	Lower	Upper
178	100		
179	24.0	14.7	22.1#
176	25.1	16.7	25.1#





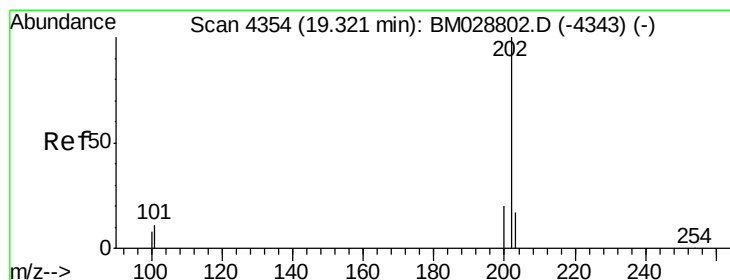
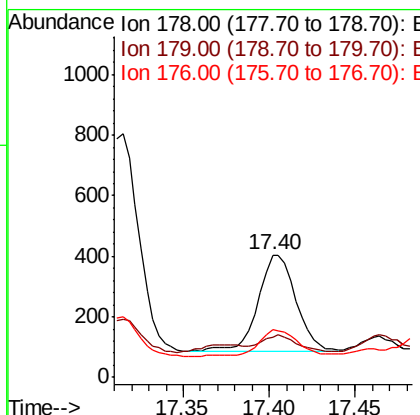
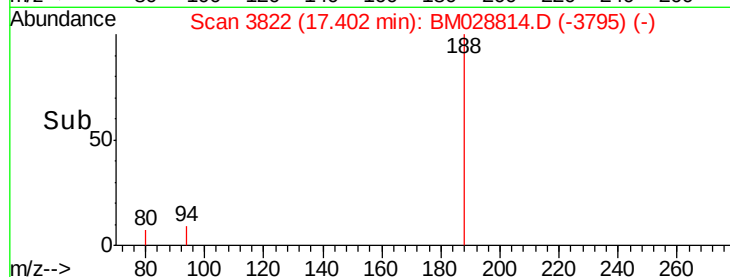
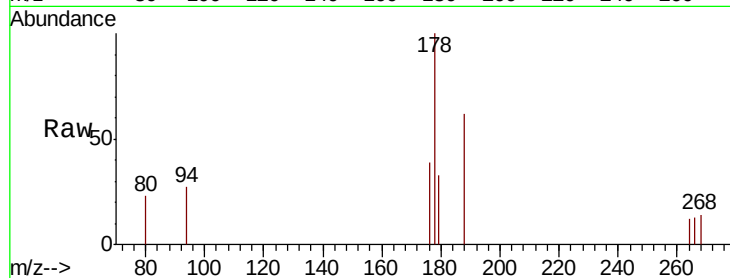
#13
 Anthracene
 Concen: 0.106 ng/ul
 RT: 17.40 min Scan# 3822
 Delta R.T. -0.01 min
 Lab File: BM028814.D
 Acq: 19 Feb 2021 10:30

Instrument :
 BNA_M
 ClientSampleId :
 DBGY9REDL

Tot Ion	Ratio	Lower	Upper
178	100		
179	33.1	15.0	22.4#
176	38.5	16.6	24.8#

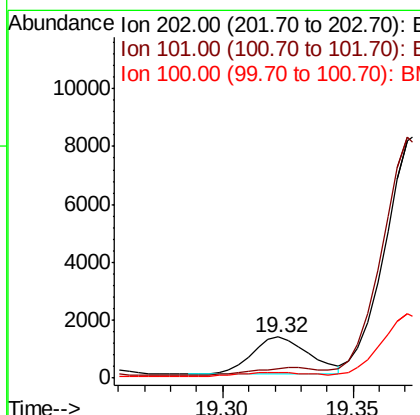
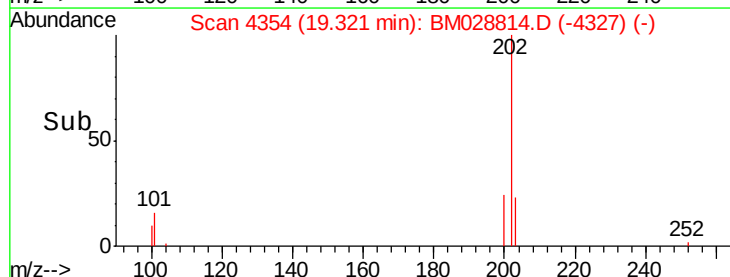
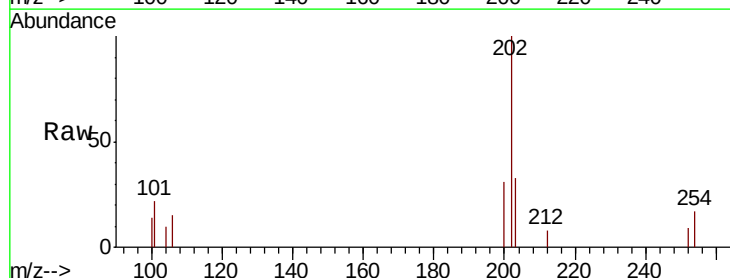
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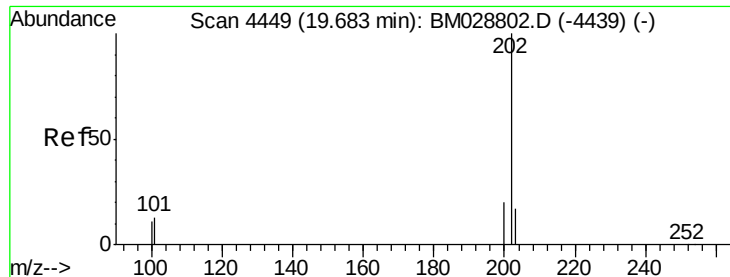
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#15
 Fluoranthene
 Concen: 0.353 ng/ul
 RT: 19.32 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: BM028814.D
 Acq: 19 Feb 2021 10:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	22.0	0.0	34.5
100	13.9	0.0	31.7





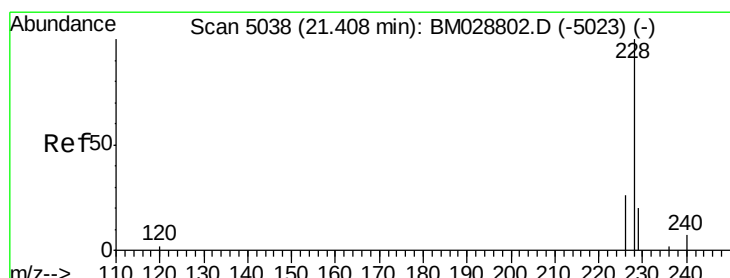
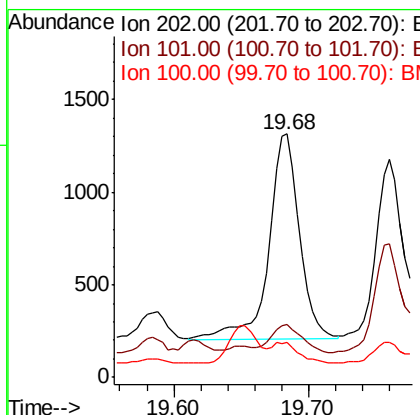
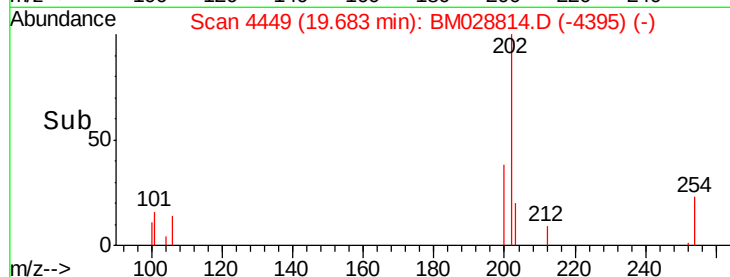
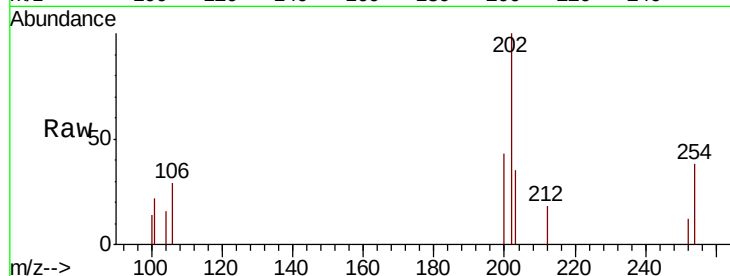
#17
Pvrene
Concen: 0.156 ng/ul
RT: 19.68 min Scan# 4449
Delta R.T. 0.00 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Instrument :
BNA_M
ClientSampleId :
DBGY9REDL

Tot Ion	Ratio	Lower	Upper
202	100		
101	22.0	12.7	19.1#
100	14.4	10.2	15.4

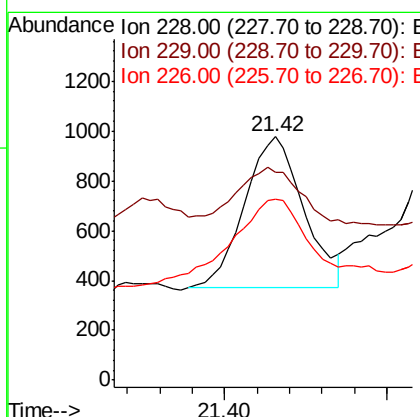
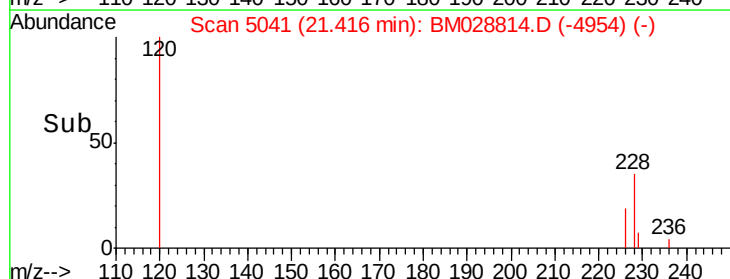
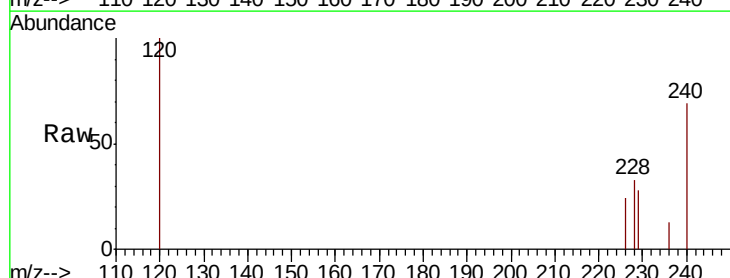
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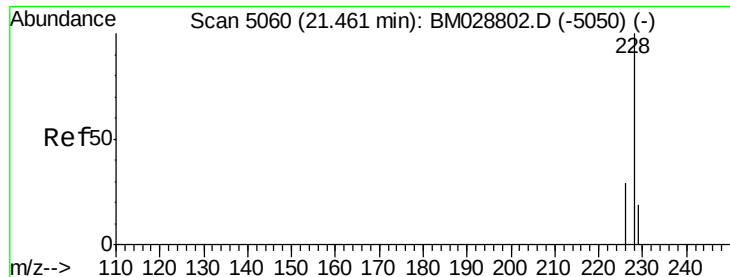
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#18
Benzo(a)anthracene
Concen: 0.071 ng/ul
RT: 21.42 min Scan# 5041
Delta R.T. 0.01 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	85.6	18.9	28.3#
226	74.4	22.6	34.0#





#19

Chrysene

Concen: 0.128 ng/ul m

RT: 21.47 min Scan# 5062

Delta R.T. 0.01 min

Lab File: BM028814.D

Acq: 19 Feb 2021 10:30

Instrument :

BNA_M

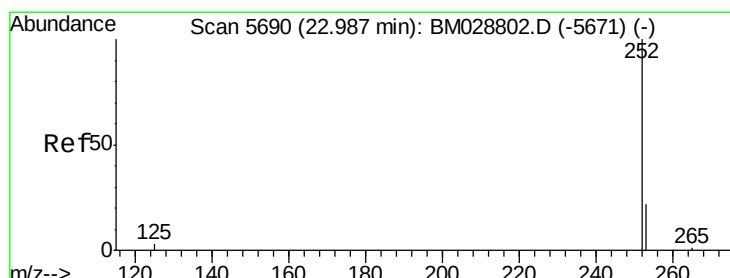
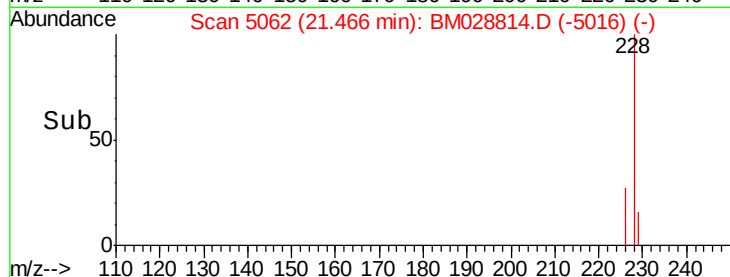
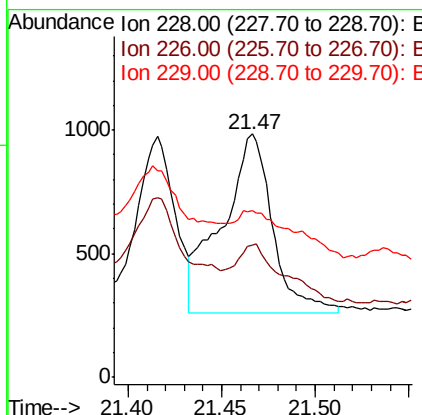
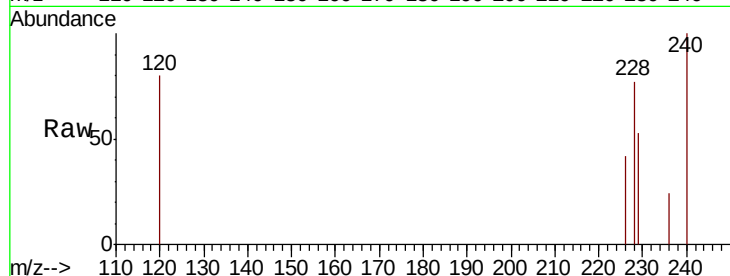
ClientSampleId :

DBGY9REDL

Tot Ion:	228	Resp:	1362
Ion Ratio	Lower	Upper	
228	100		
226	54.2	24.6	37.0#
229	68.6	18.8	28.2#

Manual Integrations
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#21

Benzo(b)fluoranthene

Concen: 0.244 ng/ul m

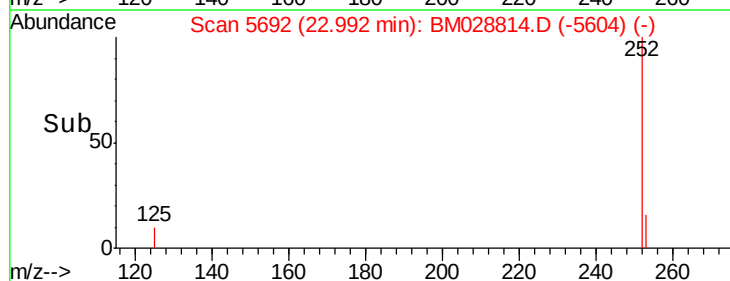
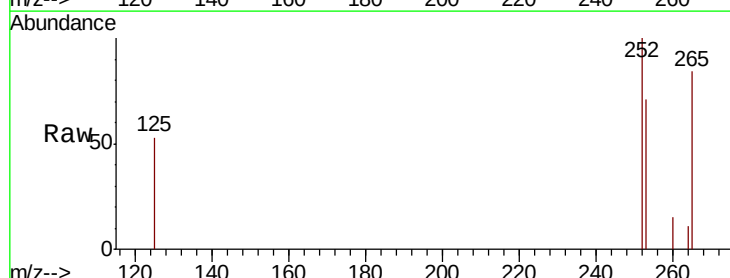
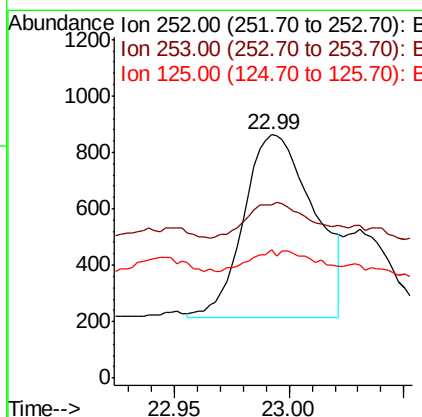
RT: 22.99 min Scan# 5692

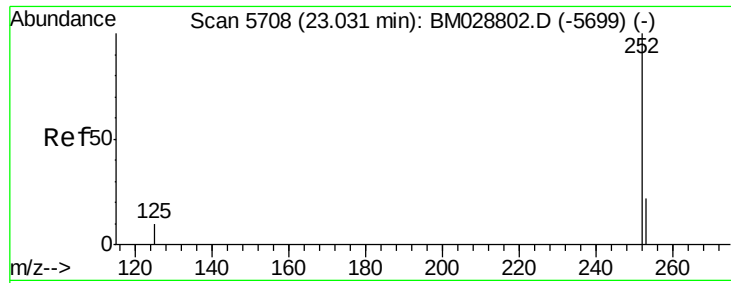
Delta R.T. 0.01 min

Lab File: BM028814.D

Acq: 19 Feb 2021 10:30

Tgt Ion:	252	Resp:	1368
Ion Ratio	Lower	Upper	
252	100		
253	71.1	0.0	67.0#
125	52.6	0.0	57.4





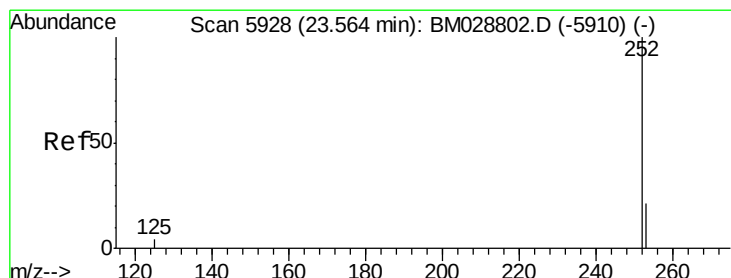
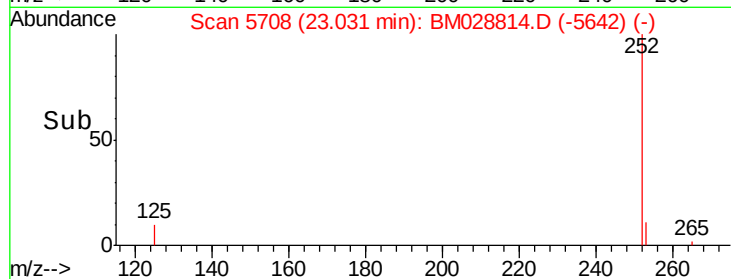
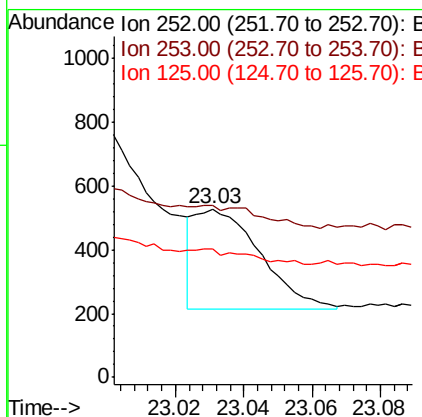
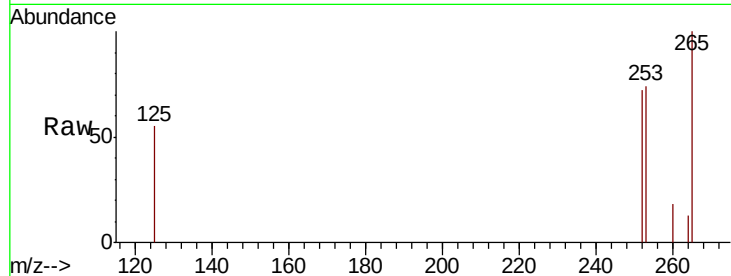
#22
Benzo(k)fluoranthene
Concen: 0.074 ng/ul m
RT: 23.03 min Scan# 5708
Delta R.T. 0.01 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Instrument :
BNA_M
ClientSampleID :
DBGY9REDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	102.5	26.3	39.5#
125	76.1	22.9	34.3#

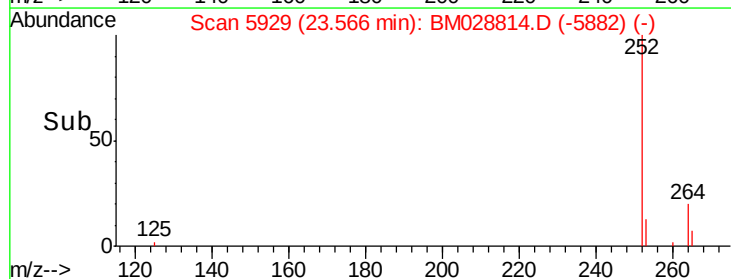
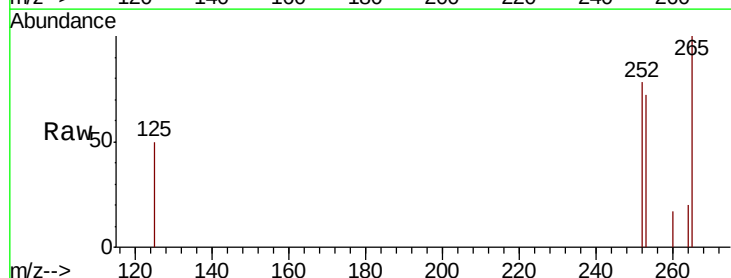
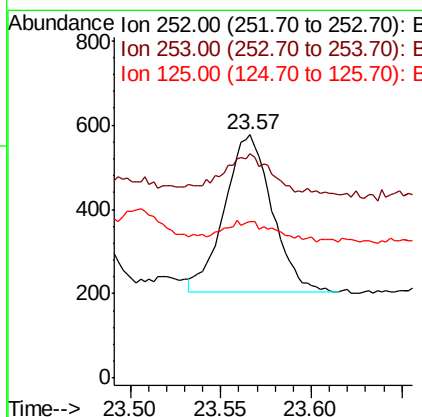
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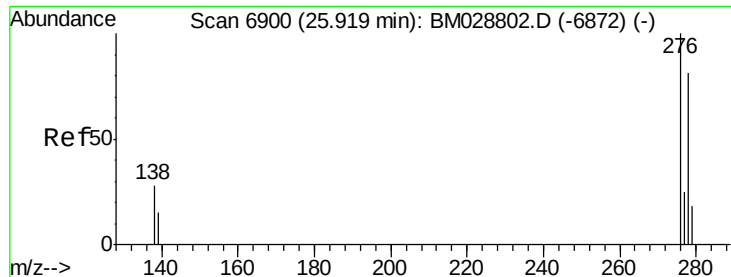
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#23
Benzo(a)pyrene
Concen: 0.135 ng/ul
RT: 23.57 min Scan# 5929
Delta R.T. 0.01 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	92.0	28.7	43.1#
125	64.5	27.9	41.9#





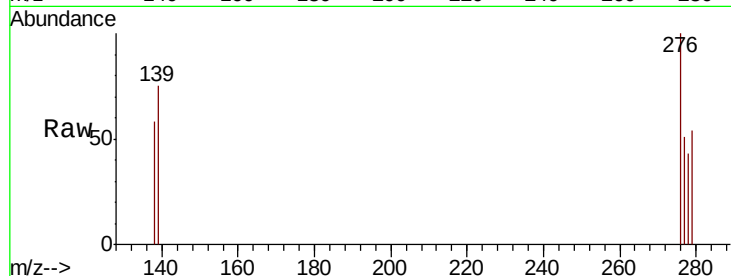
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.094 ng/ul
 RT: 25.92 min Scan# 6899
 Delta R.T. 0.01 min
 Lab File: BM028814.D
 Acq: 19 Feb 2021 10:30

Instrument :
 BNA_M
 ClientSampleId :
 DBGY9REDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	0.0	0.0#
227	0.0	0.0	0.0

Manual Integrations
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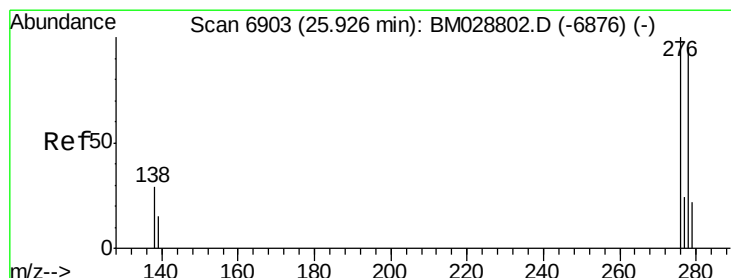
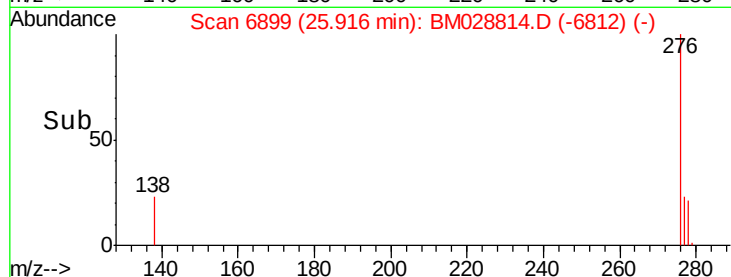
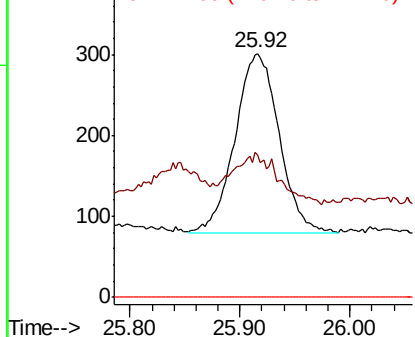


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25
 Dibenzo(a,h)anthracene
 Concen: 0.033 ng/ul
 RT: 25.92 min Scan# 6899
 Delta R.T. 0.00 min
 Lab File: BM028814.D
 Acq: 19 Feb 2021 10:30

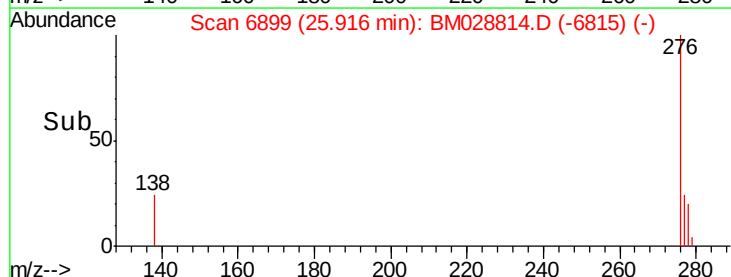
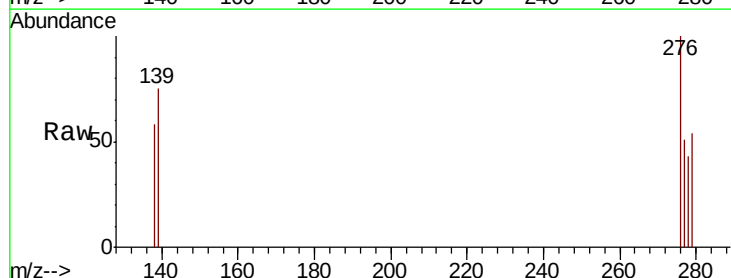
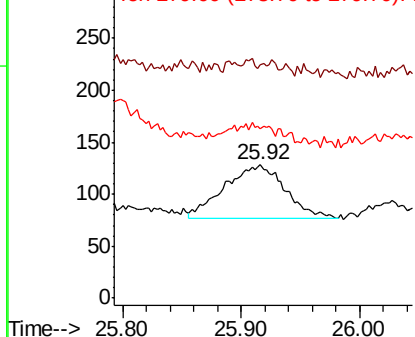
Tgt Ion	Ratio	Lower	Upper
278	100		
139	175.8	24.9	37.3#
279	127.3	28.3	42.5#

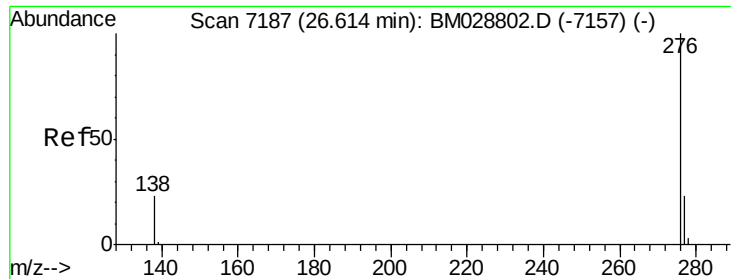
Abundance

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(a,h,i)perylene
Concen: 0.102 ng/ul
RT: 26.61 min Scan# 7185
Delta R.T. 0.01 min
Lab File: BM028814.D
Acq: 19 Feb 2021 10:30

Instrument :
BNA_M
ClientSampleId :
DBGY9REDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	59.7	25.4	38.2#
277	53.7	25.3	37.9#

Manual Integrations
APPROVED

mohammad
2/19/2021 1:20:29 PM

