

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027946.D
 Acq On : 24 Nov 2020 17:08
 Operator : JU/CG
 Sample : L4749-20
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:46:15 PM

Quant Time: Nov 25 00:58:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 15:00:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	909	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	3603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2101	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3807	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	2118	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	1926	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	856	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1418	0.14	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	990	0.092	ng/ul#	89
5) 2-Methylnaphthalene	12.79	142	742	0.101	ng/ul	99
7) Acenaphthylene	14.67	152	1942	0.189	ng/ul#	92
8) Acenaphthene	15.00	153	3587	0.467	ng/ul	99
9) Fluorene	15.98	166	4368	0.490	ng/ul	99
12) Phenanthrene	17.70	178	88501	7.359	ng/ul	97
13) Anthracene	17.79	178	18719	1.614	ng/ul	99
15) Fluoranthene	19.68	202	134087	10.056	ng/ul	99
17) Pyrene	20.03	202	114082	10.606	ng/ul	97
18) Benzo(a)anthracene	21.75	228	49896	5.839	ng/ul	100
19) Chrysene	21.80	228	46385	5.573	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	51769m	6.396	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	17823m	2.248	ng/ul	
23) Benzo(a)pyrene	24.08	252	37358	5.279	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.68	276	23595	3.079	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.68	278	6259	0.981	ng/ul	95
26) Benzo(a,h,i)perylene	27.45	276	20153	3.135	ng/ul	94

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

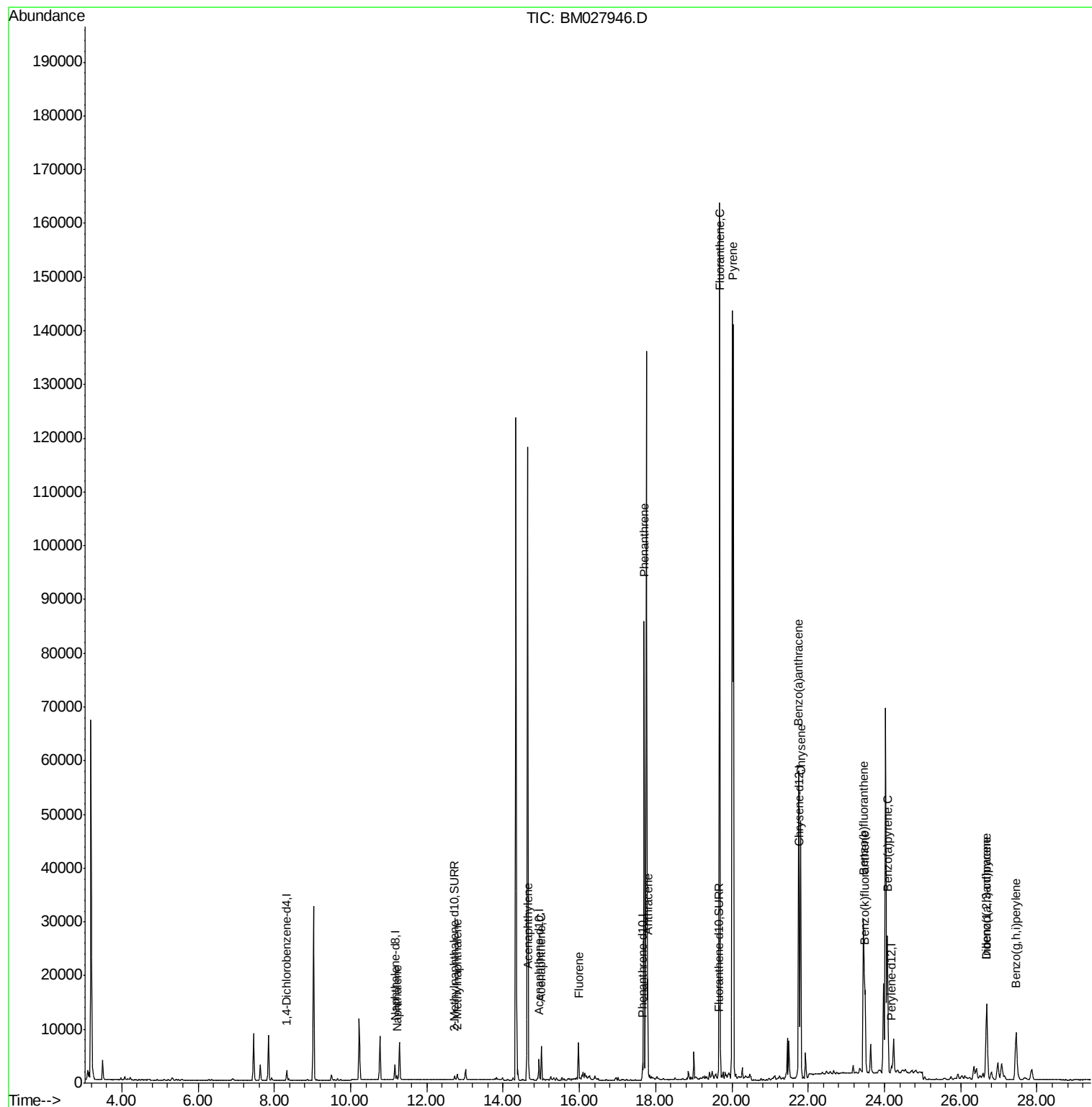
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
Data File : BM027946.D
Acq On : 24 Nov 2020 17:08
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ALS Vial : 40 Sample Multiplier: 1

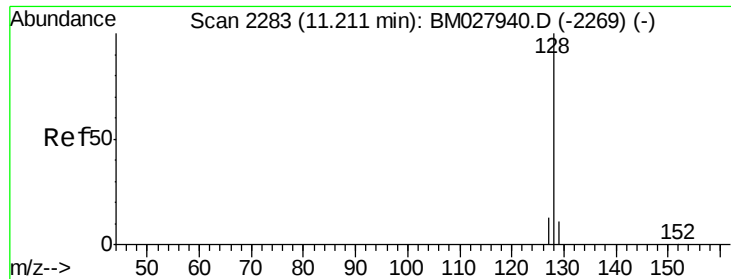
Instrument :
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Quant Time: Nov 25 00:58:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 15:00:24 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.092 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

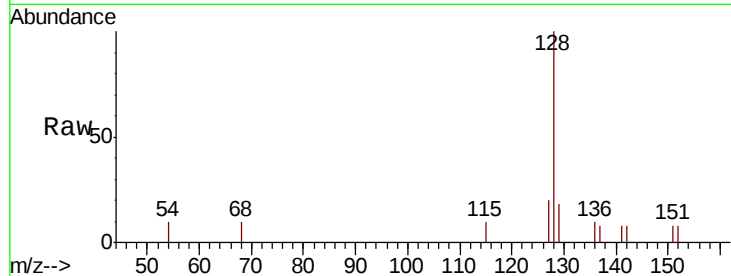
ClientSampleId :

C0B22

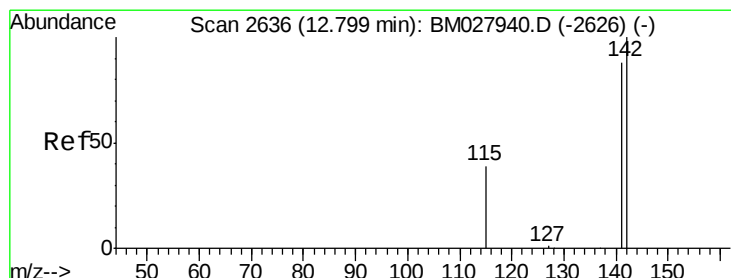
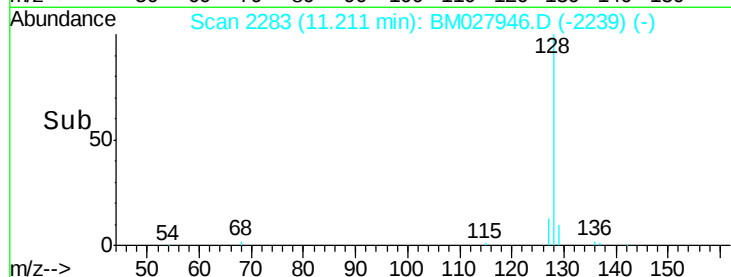
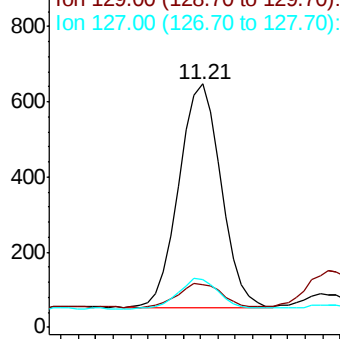
Tot Ion:128	Resp:	990
Ion Ratio	Lower	Upper
128 100		
129 17.6	10.4	15.6#
127 19.8	12.0	18.0#

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Abundance Ion 128.00 (127.70 to 128.70): E



#5

2-Methylnaphthalene

Concen: 0.101 ng/ul

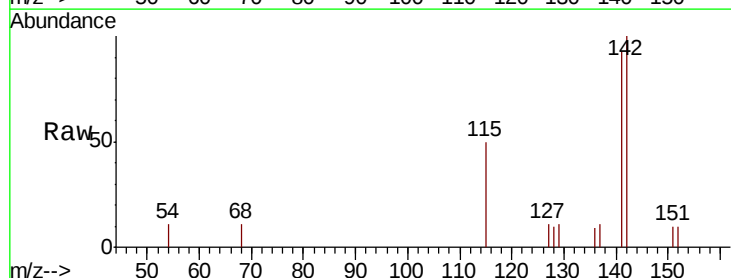
RT: 12.79 min Scan# 2635

Delta R.T. -0.00 min

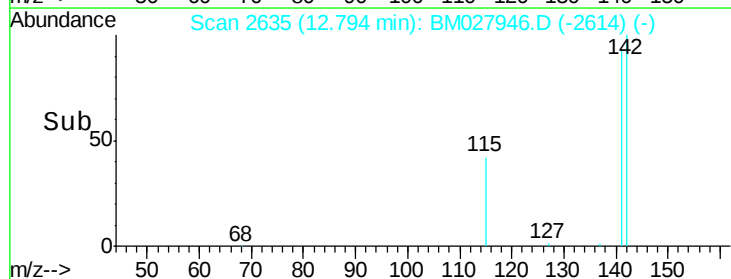
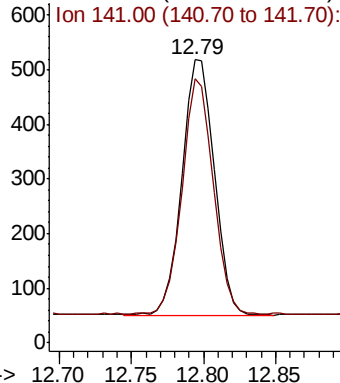
Lab File: BM027946.D

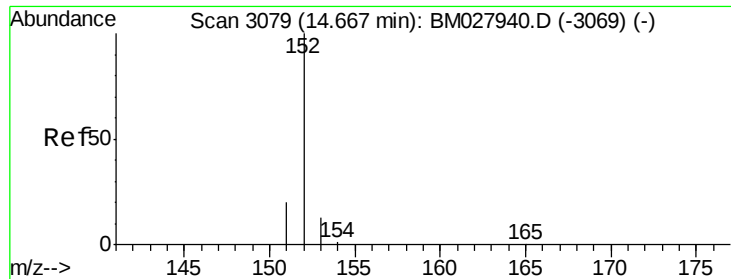
Acq: 24 Nov 2020 17:08

Tgt Ion:142	Resp:	742
Ion Ratio	Lower	Upper
142 100		
141 88.7	71.6	107.4



Abundance Ion 142.00 (141.70 to 142.70): E





#7

Acenaphthylene

Concen: 0.189 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

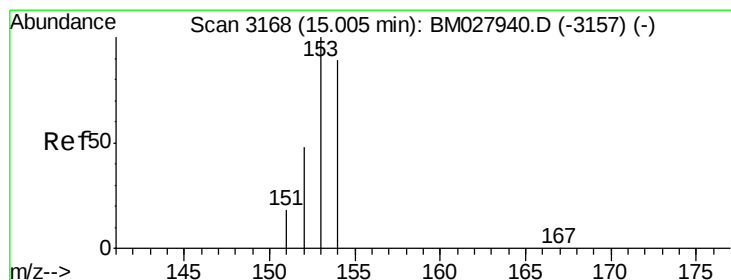
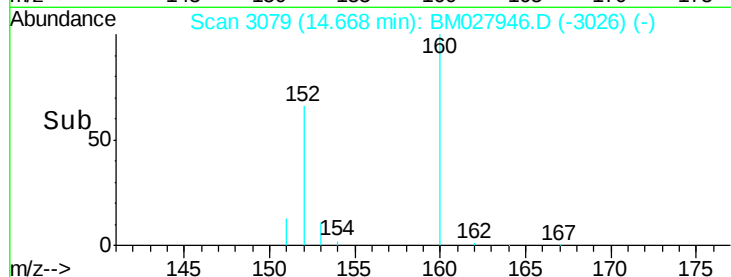
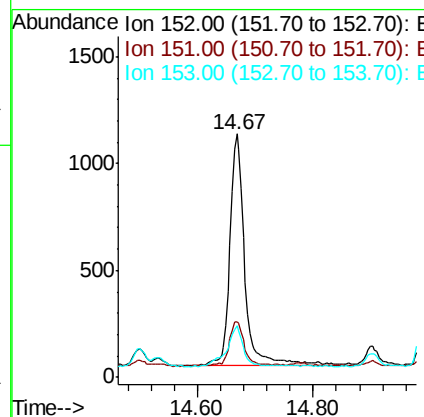
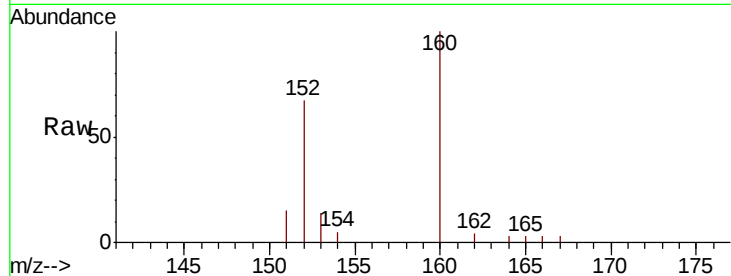
ClientSampleId :

C0B22

Tot Ion:	152	Resp:	1942
Ion Ratio	Lower	Upper	
152	100		
151	22.9	17.1	25.7
153	21.2	12.0	18.0

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#8

Acenaphthene

Concen: 0.467 ng/ul

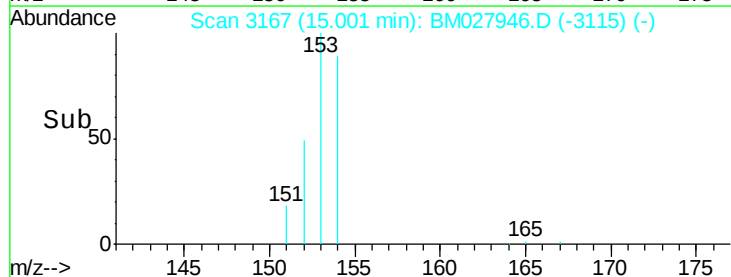
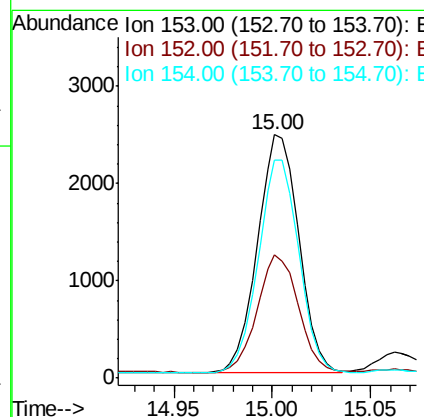
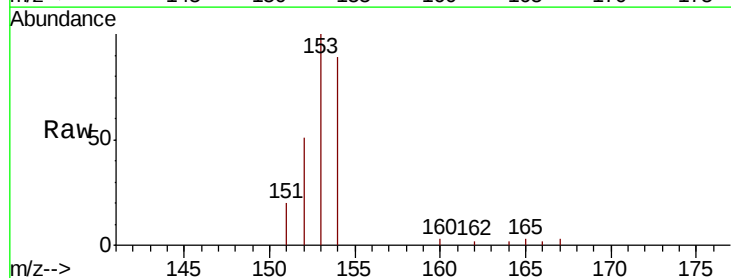
RT: 15.00 min Scan# 3167

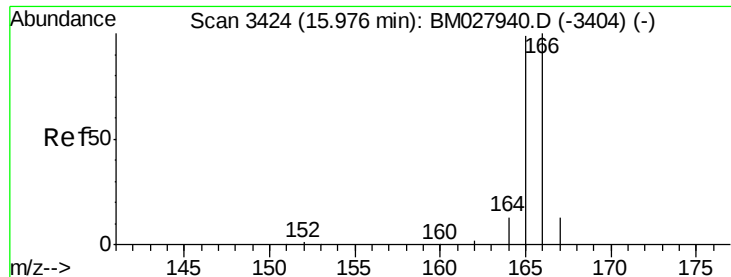
Delta R.T. -0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Tgt Ion:	153	Resp:	3587
Ion Ratio	Lower	Upper	
153	100		
152	50.8	39.0	58.6
154	89.3	71.6	107.4





#9

Fluorene

Concen: 0.490 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. 0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

ClientSampleId :

C0B22

Tot Ion:166 Resp: 4368

Ion Ratio Lower Upper

166 100

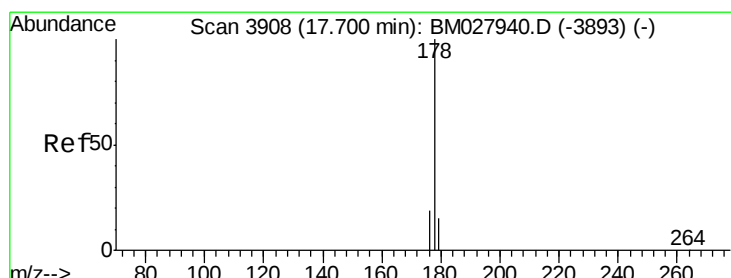
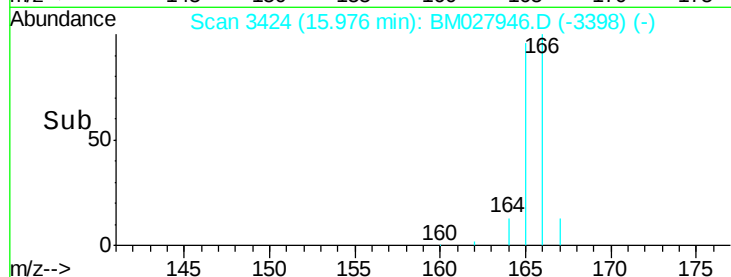
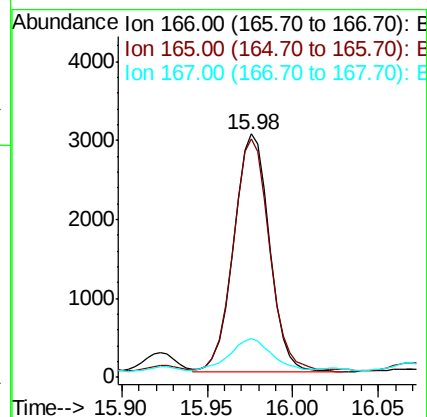
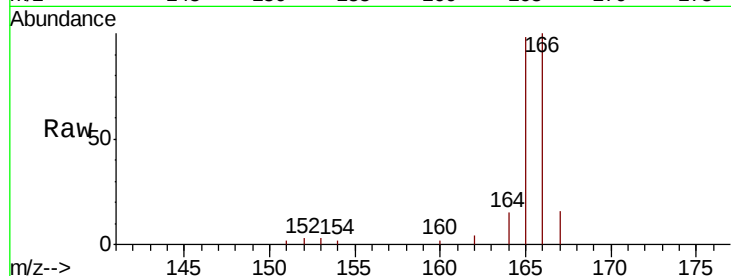
165 98.1 78.1 117.1

167 15.9 11.8 17.8

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#12

Phenanthrene

Concen: 7.359 ng/ul

RT: 17.70 min Scan# 3907

Delta R.T. -0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

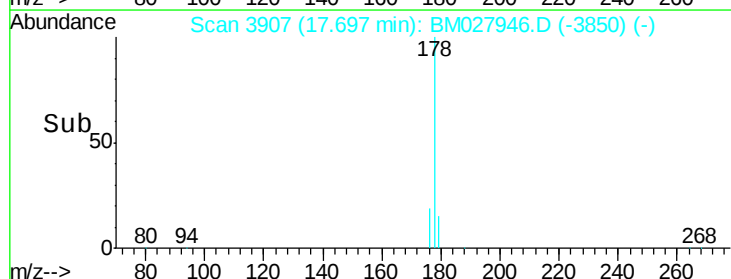
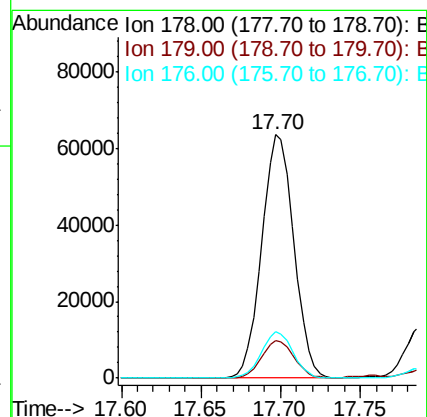
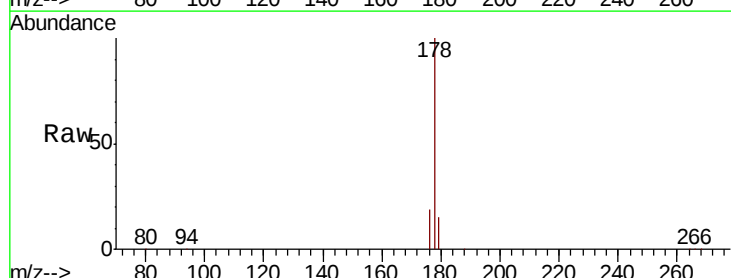
Tgt Ion:178 Resp: 88501

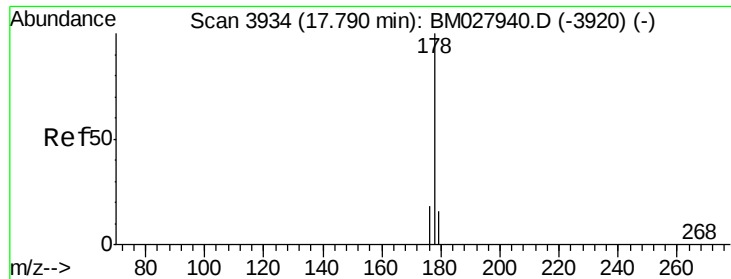
Ion Ratio Lower Upper

178 100

179 15.5 13.6 20.4

176 19.0 16.1 24.1





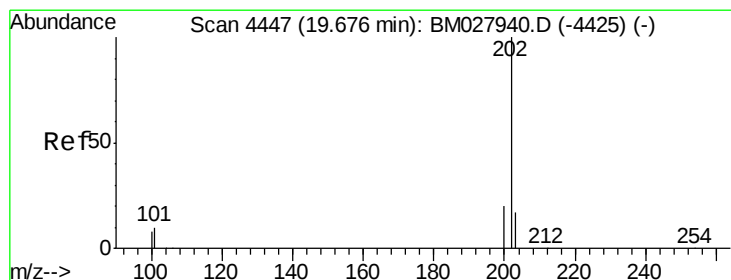
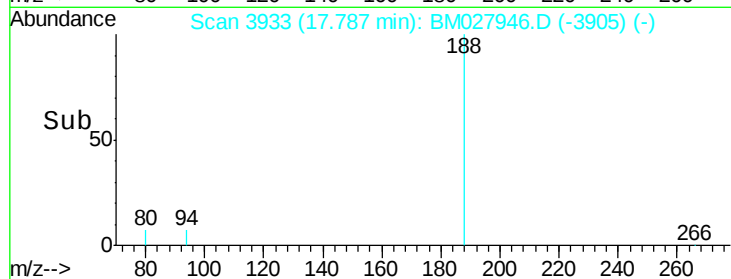
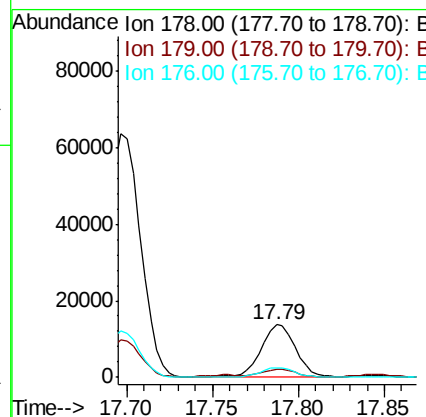
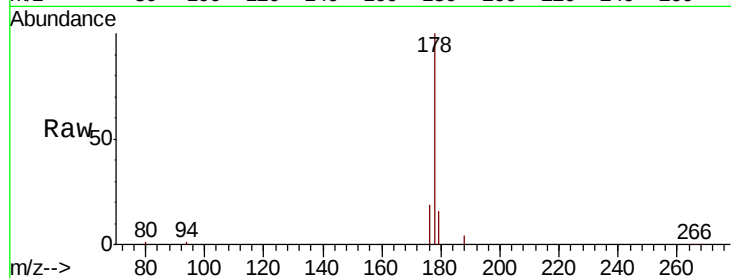
#13
 Anthracene
 Concen: 1.614 ng/ul
 RT: 17.79 min Scan# 3933
 Delta R.T. -0.00 min
 Lab File: BM027946.D
 Acq: 24 Nov 2020 17:08

Instrument :
 BNA_M
 ClientSampleId :
 C0B22

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.4	20.2
176	18.7	15.0	22.6

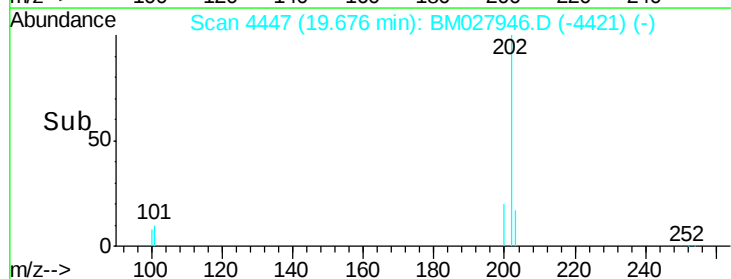
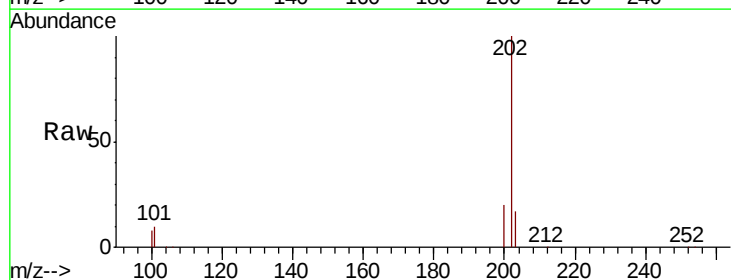
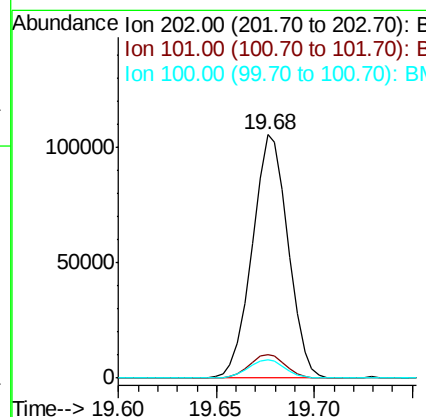
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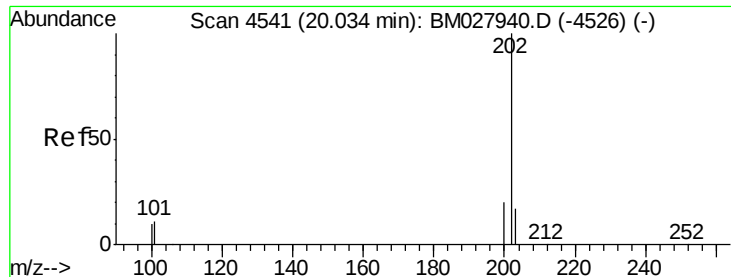
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#15
 Fluoranthene
 Concen: 10.056 ng/ul
 RT: 19.68 min Scan# 4447
 Delta R.T. 0.00 min
 Lab File: BM027946.D
 Acq: 24 Nov 2020 17:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.3
100	7.7	0.0	27.4





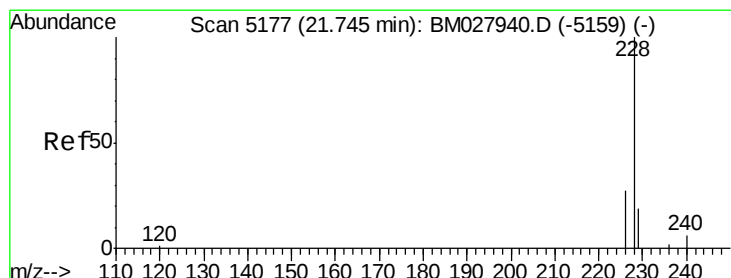
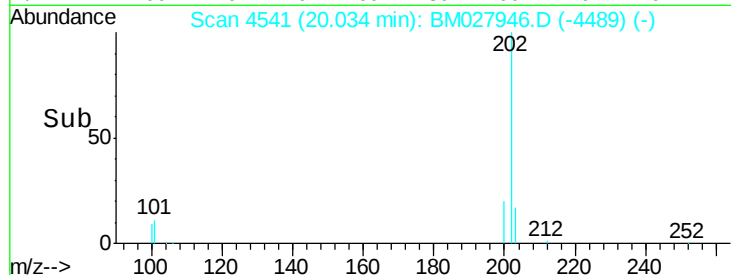
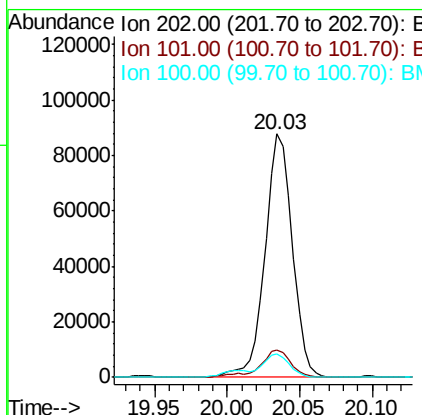
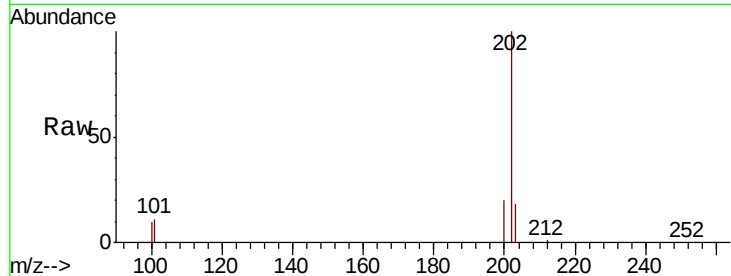
#17
Pvrene
Concen: 10.606 ng/ul
RT: 20.03 min Scan# 4541
Delta R.T. 0.00 min
Lab File: BM027946.D
Acq: 24 Nov 2020 17:08

Instrument :
BNA_M
ClientSampleId :
C0B22

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.2	12.2
100	9.5	6.9	10.3

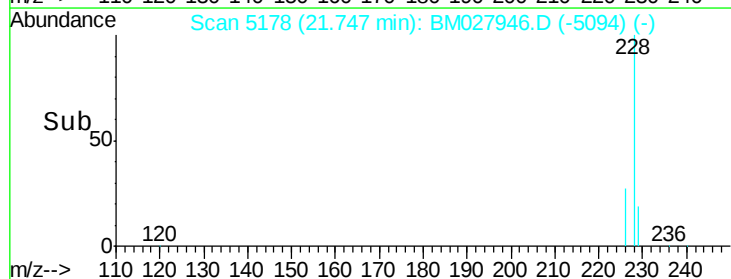
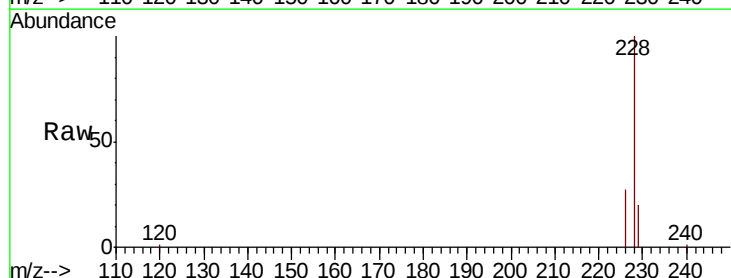
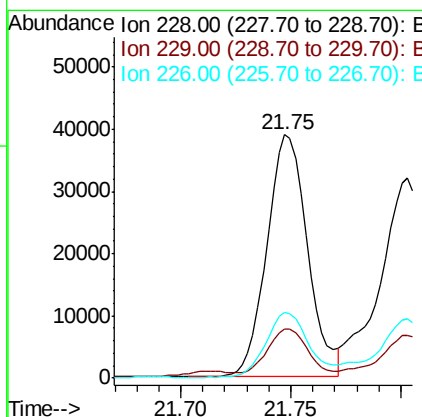
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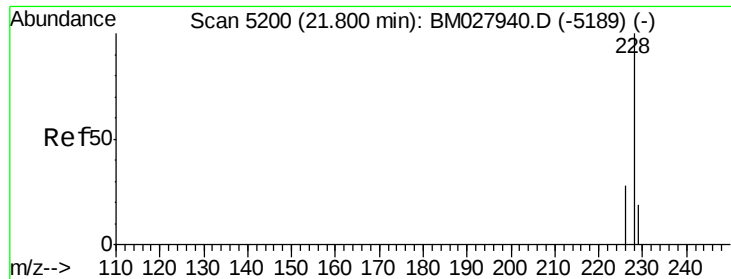
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#18
Benzo(a)anthracene
Concen: 5.839 ng/ul
RT: 21.75 min Scan# 5178
Delta R.T. 0.00 min
Lab File: BM027946.D
Acq: 24 Nov 2020 17:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.2	24.4
226	26.9	21.5	32.3





#19

Chrysene

Concen: 5.573 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. 0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

ClientSampled :

C0B22

Tot Ion:228 Resp: 46385

Ion Ratio Lower Upper

228 100

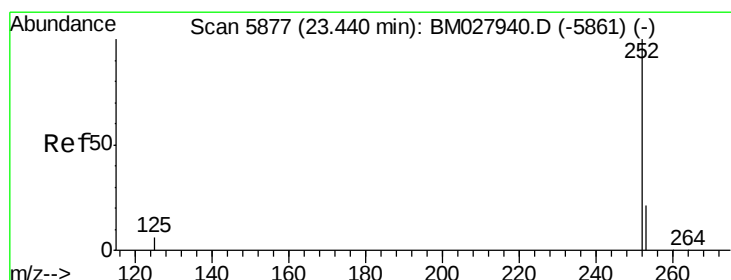
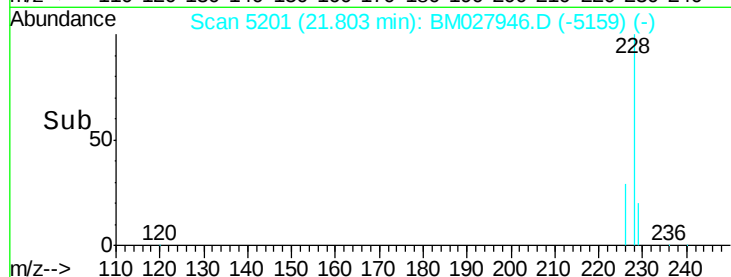
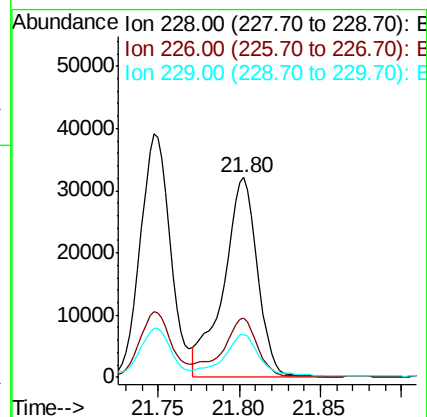
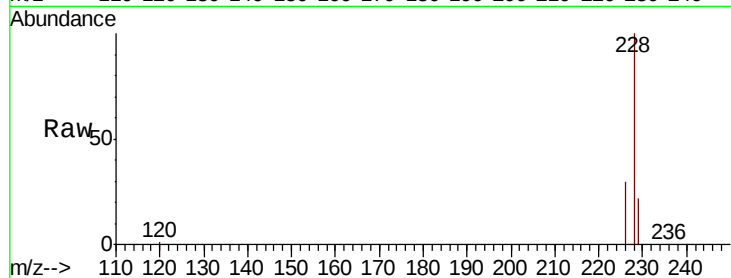
226 29.5 24.1 36.1

229 21.6 16.6 24.8

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#21

Benzo(b)fluoranthene

Concen: 6.396 ng/ul m

RT: 23.45 min Scan# 5881

Delta R.T. 0.01 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

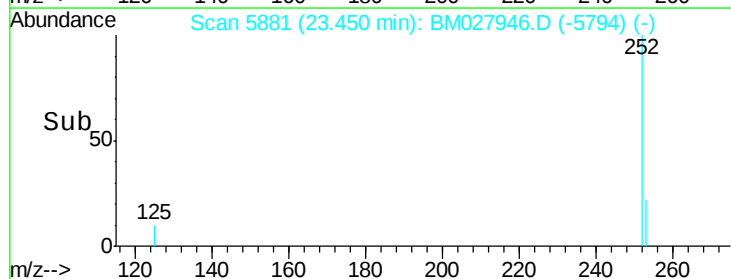
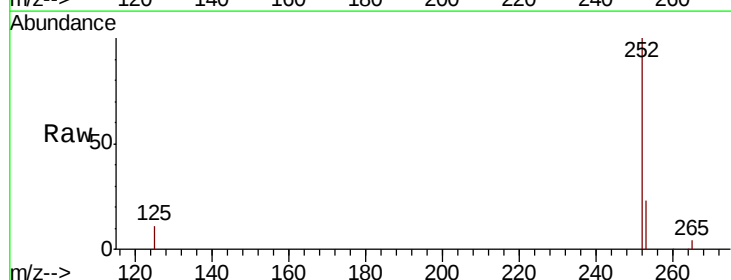
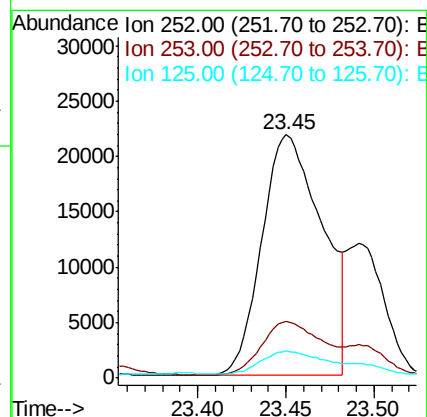
Tgt Ion:252 Resp: 51769

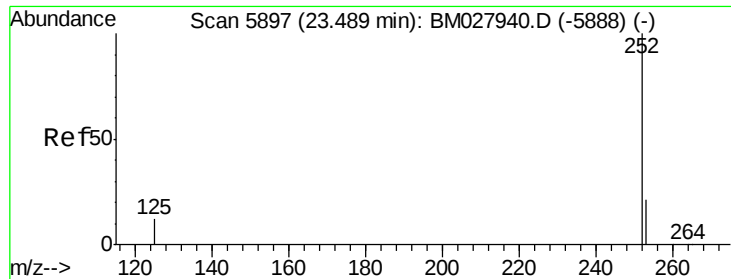
Ion Ratio Lower Upper

252 100

253 23.2 0.0 59.6

125 11.0 0.0 28.4





#22

Benzo(k)fluoranthene

Concen: 2.248 ng/ul m

RT: 23.49 min Scan# 5898

Delta R.T. 0.00 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

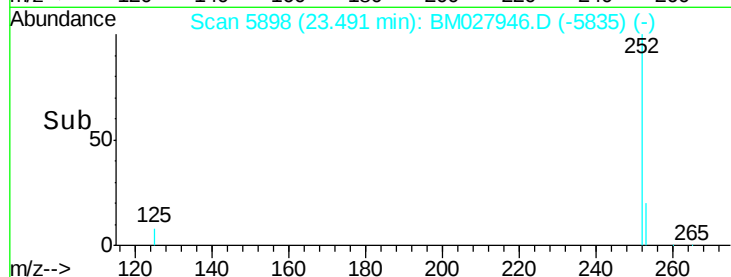
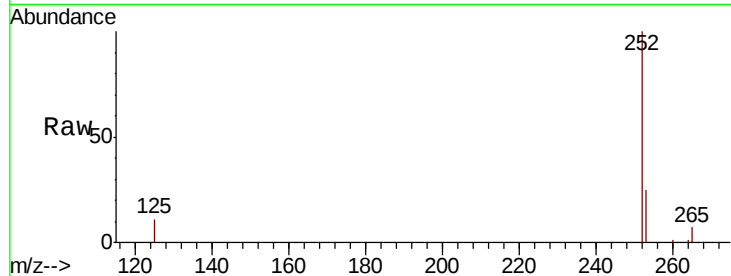
ClientSampleId :

C0B22

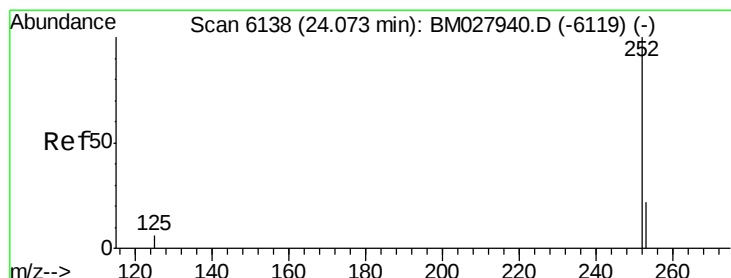
Tot Ion:	252	Resp:	17823
Ion Ratio	Lower	Upper	
252	100		
253	24.7	23.2	34.8
125	10.8	11.8	17.6#

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Time-->



#23

Benzo(a)pyrene

Concen: 5.279 ng/ul

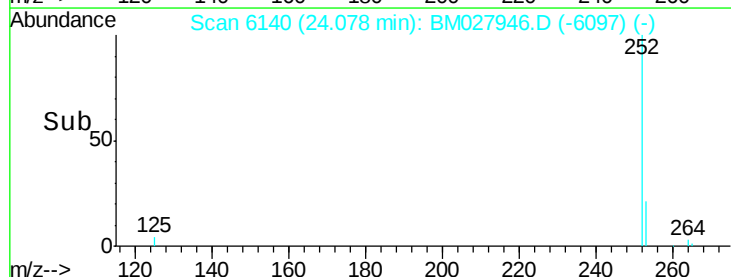
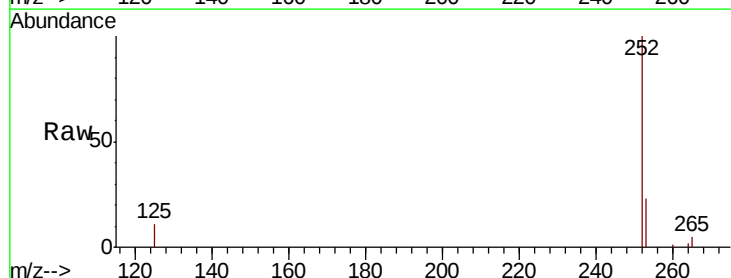
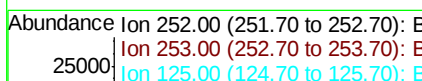
RT: 24.08 min Scan# 6140

Delta R.T. 0.00 min

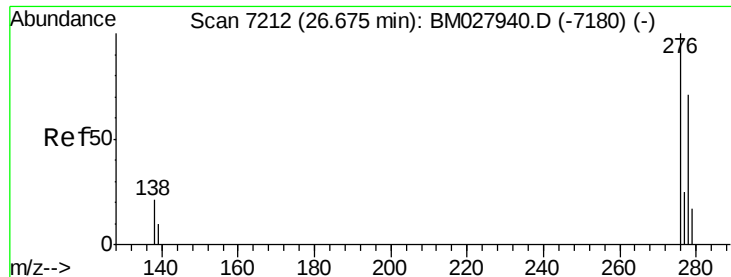
Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Tgt Ion:	252	Resp:	37358
Ion Ratio	Lower	Upper	
252	100		
253	22.9	25.2	37.8#
125	10.6	13.8	20.6#



Time-->



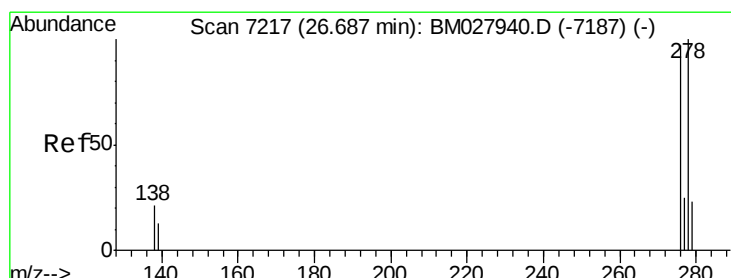
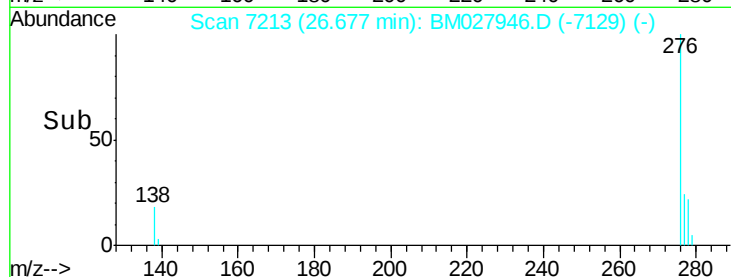
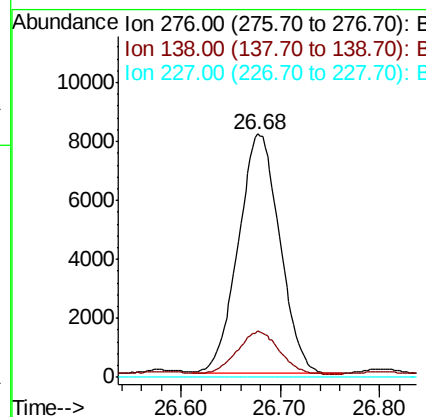
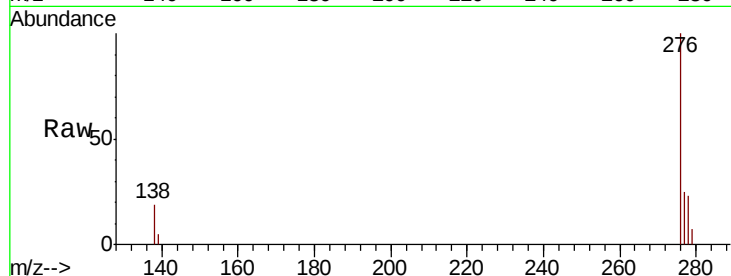
#24
Indeno(1,2,3-cd)pyrene
Concen: 3.079 ng/uL
RT: 26.68 min Scan# 7213
Delta R.T. 0.00 min
Lab File: BM027946.D
Acq: 24 Nov 2020 17:08

Instrument :
BNA_M
ClientSampled :
C0B22

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	15.7	23.5
227	0.0	0.0	0.0

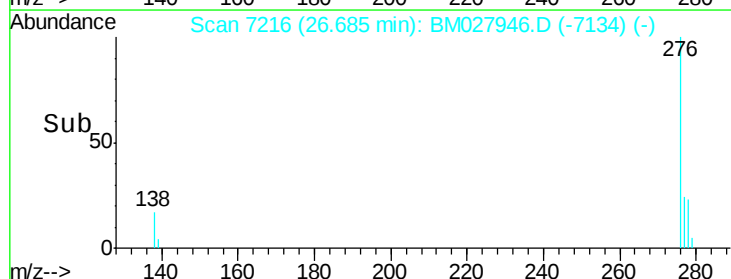
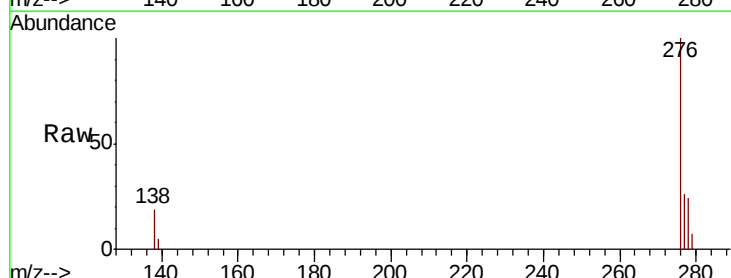
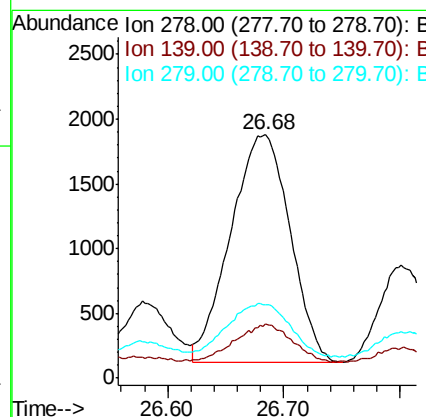
Manual Integrations
APPROVED

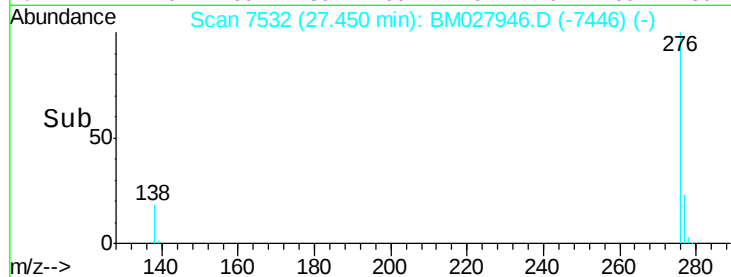
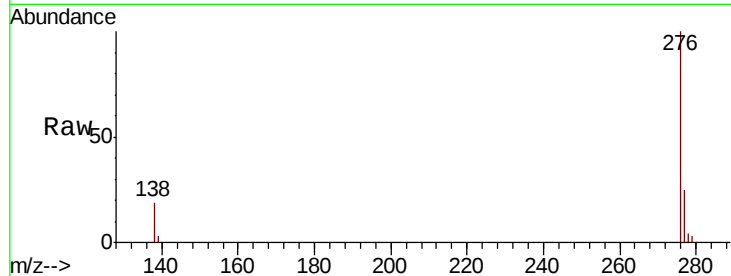
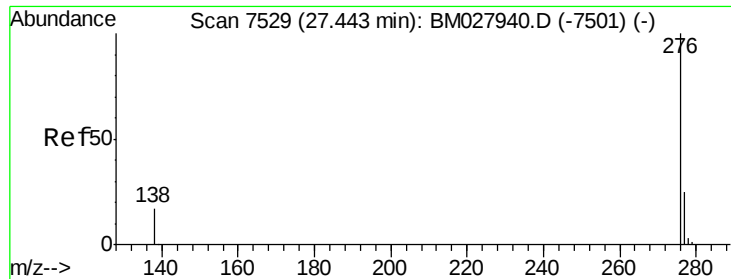
mohammad
11/25/2020 12:46:15 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.981 ng/uL
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027946.D
Acq: 24 Nov 2020 17:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.1	14.8	22.2
279	30.0	25.8	38.6





#26

Benzo(a,h,i)perylene

Concen: 3.135 ng/ul

RT: 27.45 min Scan# 7532

Delta R.T. 0.01 min

Lab File: BM027946.D

Acq: 24 Nov 2020 17:08

Instrument :

BNA_M

ClientSampleId :

C0B22

Tot Ion:	276	Resp:	20153
Ion Ratio	Lower	Upper	
276	100		
138	19.2	17.4	26.2
277	24.7	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/25/2020 12:46:15 PM

