

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027939.D
 Acq On : 24 Nov 2020 12:54
 Operator : JU/CG
 Sample : L4749-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B71

Manual Integrations
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Quant Time: Nov 24 13:33:22 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 : Mon Nov 23 11:35:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1025	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	3884	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2081	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	3292	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	2252	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	3257	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1015	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1411	0.16	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.21	128	1564	0.134	ng/ul#	93
5) 2-Methylnaphthalene	12.80	142	1295	0.164	ng/ul	98
7) Acenaphthylene	14.67	152	3332	0.328	ng/ul	98
8) Acenaphthene	15.00	153	16030	2.107	ng/ul	98
9) Fluorene	15.98	166	22138	2.508	ng/ul	99
12) Phenanthrene	17.70	178	646877	62.205	ng/ul	97
13) Anthracene	17.79	178	109699	10.936	ng/ul	98
15) Fluoranthene	19.69	202	1550416	134.462	ng/ul	99
17) Pyrene	20.04	202	1235343	108.011	ng/ul	96
18) Benzo(a)anthracene	21.75	228	590418	64.979	ng/ul	100
19) Chrysene	21.81	228	670020	75.706	ng/ul	99
21) Benzo(b)fluoranthene	23.46	252	823860m	60.189	ng/ul	
22) Benzo(k)fluoranthene	23.50	252	309816m	23.113	ng/ul	
23) Benzo(a)pyrene	24.09	252	526300	43.976	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.70	276	392064	30.258	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.70	278	100712m	9.334	ng/ul	
26) Benzo(a,h,i)perylene	27.47	276	336963	30.995	ng/ul	93

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

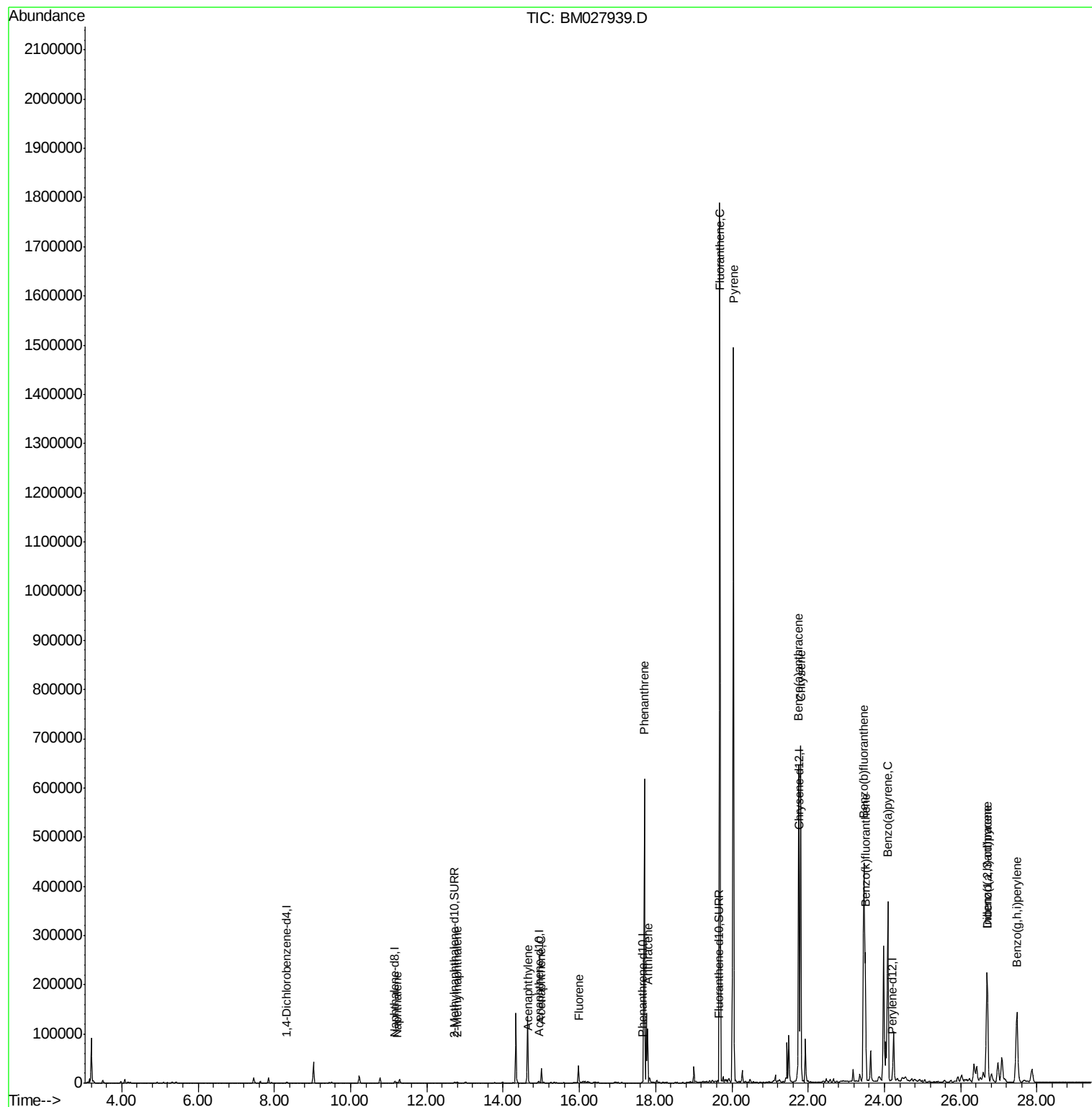
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
Data File : BM027939.D
Acq On : 24 Nov 2020 12:54
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Sample : L4749-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

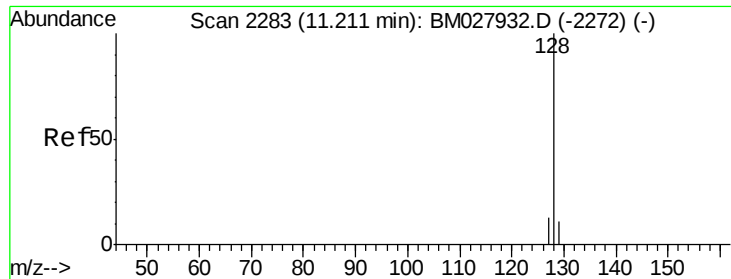
Instrument :
BNA_M
ClientSampleId :
C0B71

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Quant Time: Nov 24 13:33:22 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 : Mon Nov 23 11:35:49 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.134 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Instrument :

BNA_M

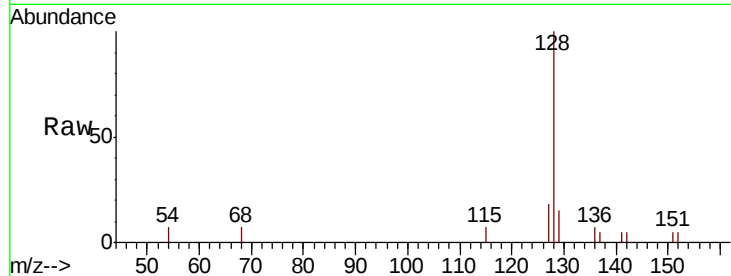
ClientSampled :

C0B71

Tot Ion:	128	Resp:	1564
Ion	Ratio	Lower	Upper
128	100		
129	15.5	10.4	15.6
127	18.1	12.0	18.0#

Manual Integrations
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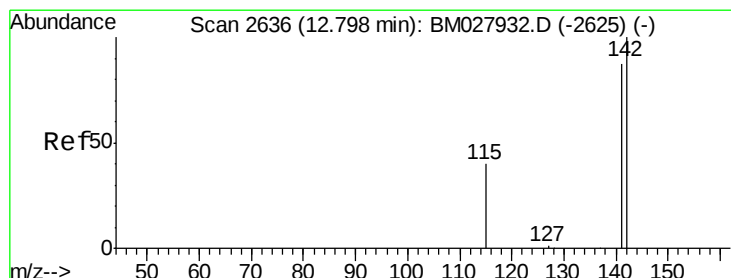
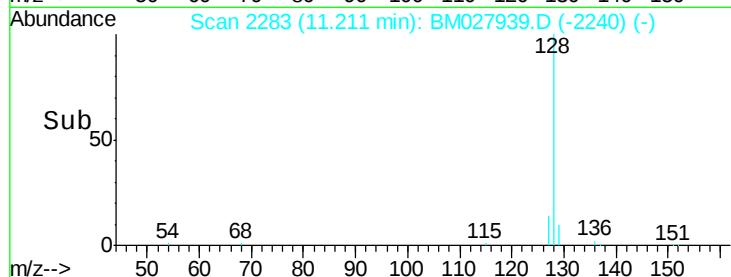
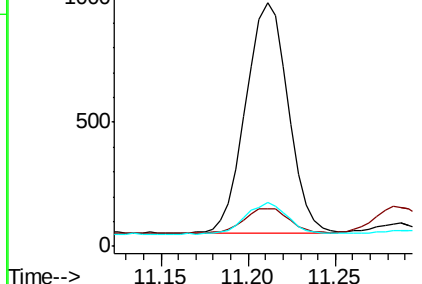
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.164 ng/ul

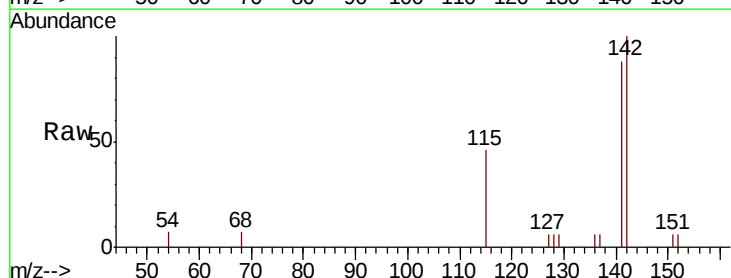
RT: 12.80 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BM027939.D

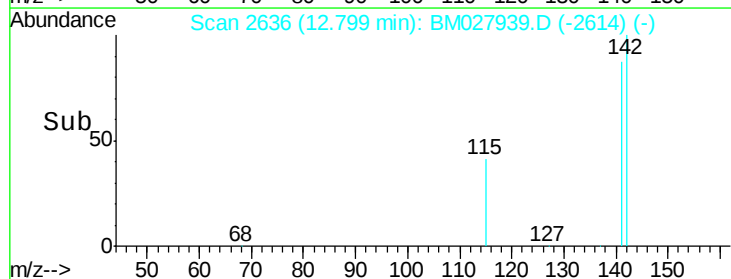
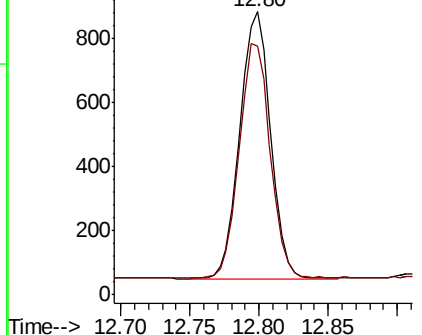
Acq: 24 Nov 2020 12:54

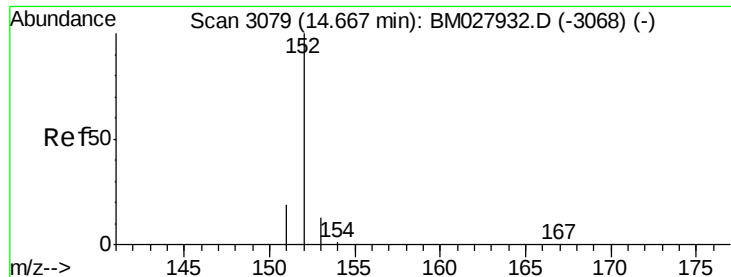
Tgt Ion:	142	Resp:	1295
Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.6	107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.328 ng/ul

RT: 14.67 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Instrument :

BNA_M

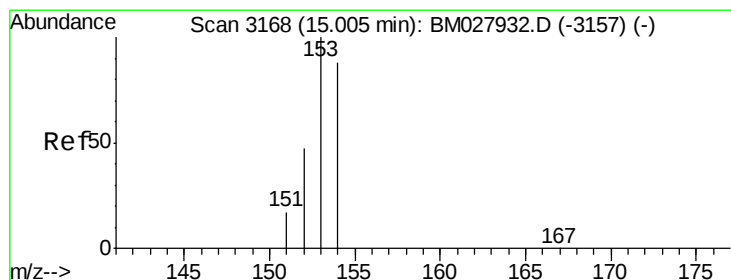
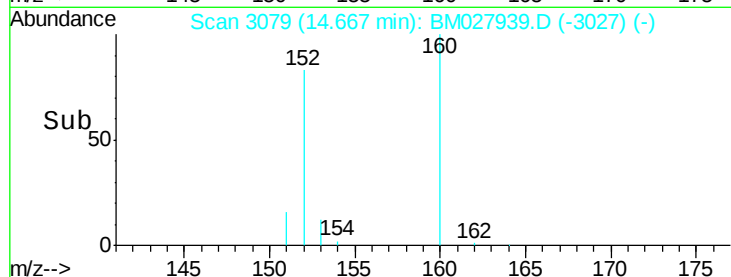
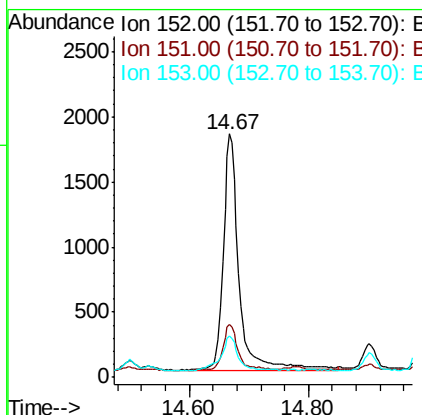
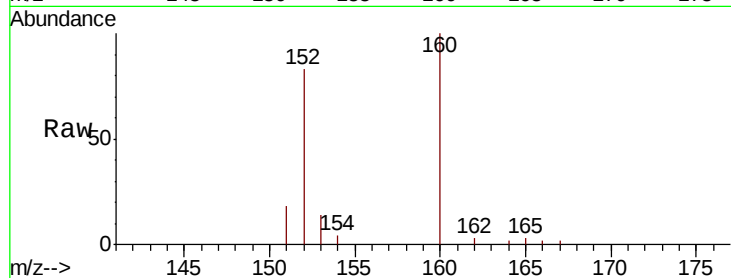
ClientSampled :

C0B71

Tot Ion:	152	Resp:	3332
Ion Ratio	Lower	Upper	
152	100		
151	21.8	17.1	25.7
153	16.9	12.0	18.0

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#8

Acenaphthene

Concen: 2.107 ng/ul

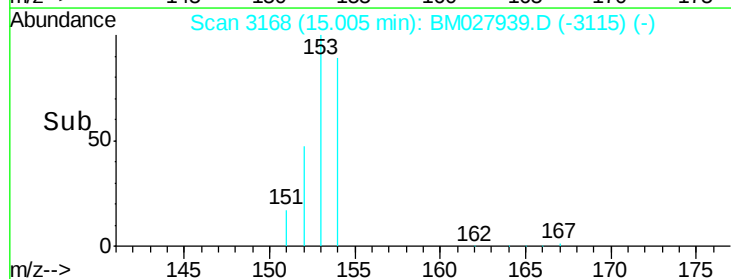
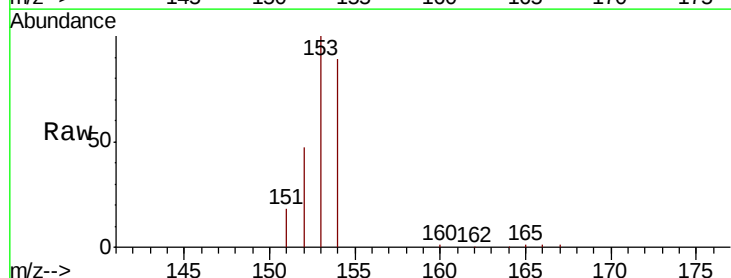
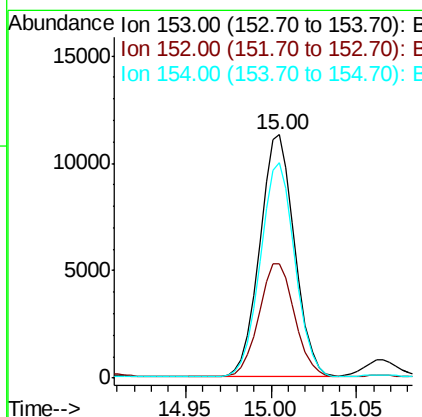
RT: 15.00 min Scan# 3168

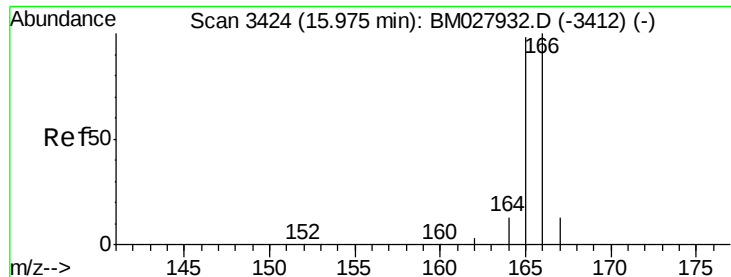
Delta R.T. 0.00 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Tgt Ion:	153	Resp:	16030
Ion Ratio	Lower	Upper	
153	100		
152	47.0	39.0	58.6
154	88.6	71.6	107.4





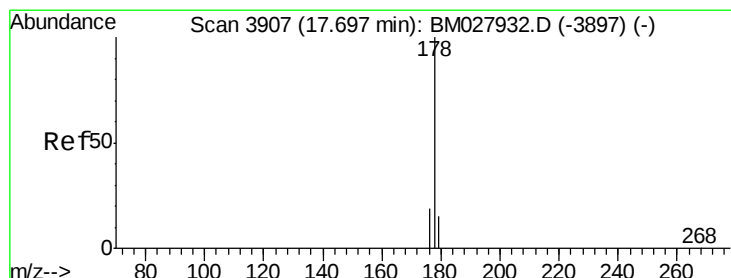
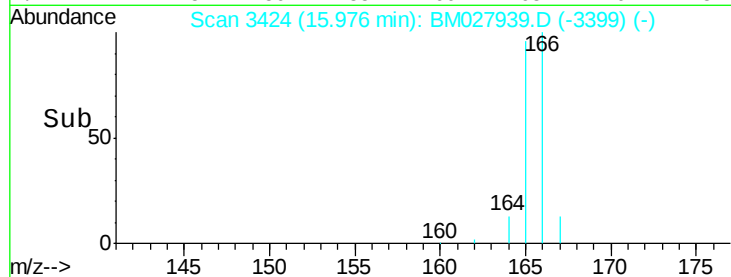
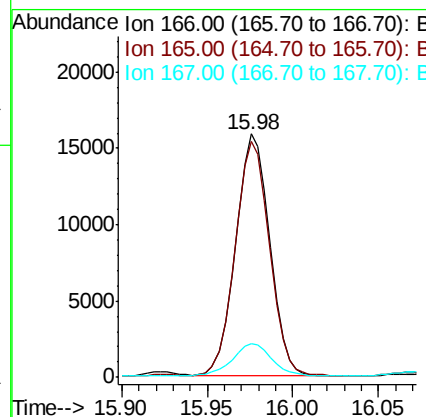
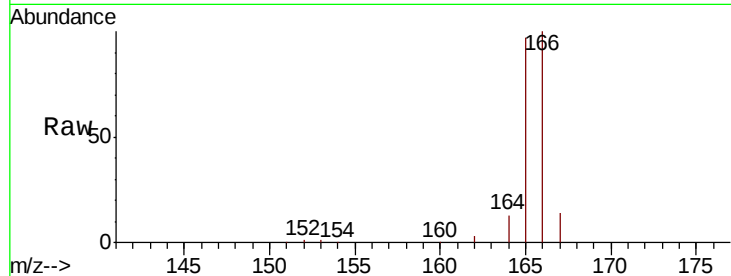
#9
Fluorene
 Concen: 2.508 ng/ul
 RT: 15.98 min Scan# 3424
 Delta R.T. -0.00 min
 Lab File: BM027939.D
 Acq: 24 Nov 2020 12:54

Instrument :
 BNA_M
 ClientSampleId :
 C0B71

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	14.0	11.8	17.8

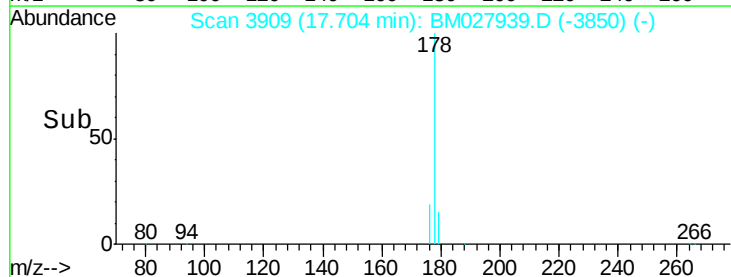
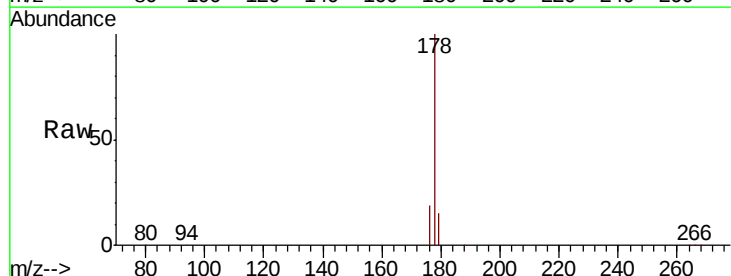
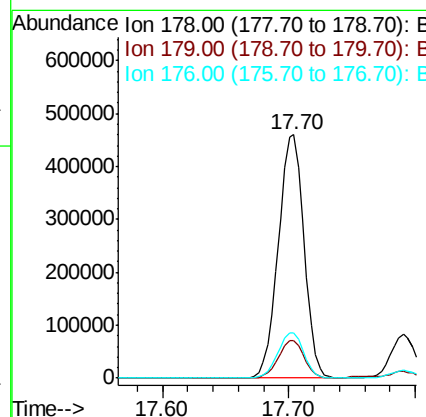
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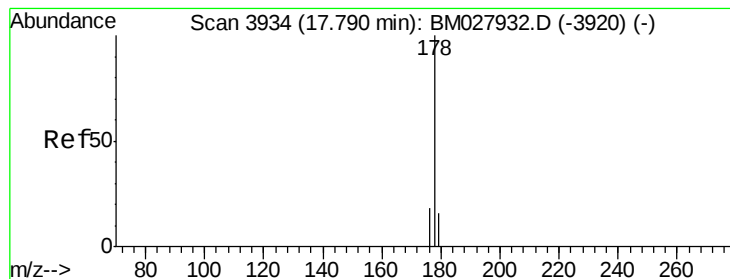
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#12
Phenanthrene
 Concen: 62.205 ng/ul
 RT: 17.70 min Scan# 3909
 Delta R.T. 0.00 min
 Lab File: BM027939.D
 Acq: 24 Nov 2020 12:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.6	20.4
176	18.7	16.1	24.1





#13

Anthracene

Concen: 10.936 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. 0.00 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Instrument :

BNA_M

ClientSampleId :

C0B71

Tot Ion:178 Resp: 109699

Ion Ratio Lower Upper

178 100

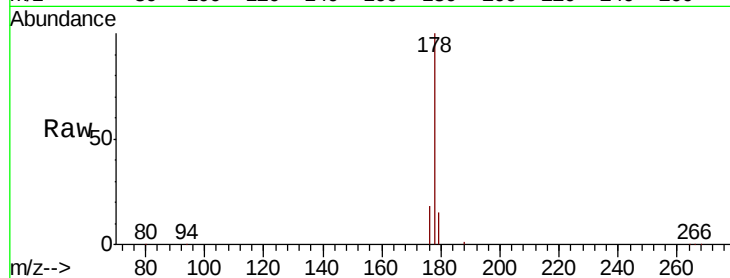
179 15.5 13.4 20.2

176 18.1 15.0 22.6

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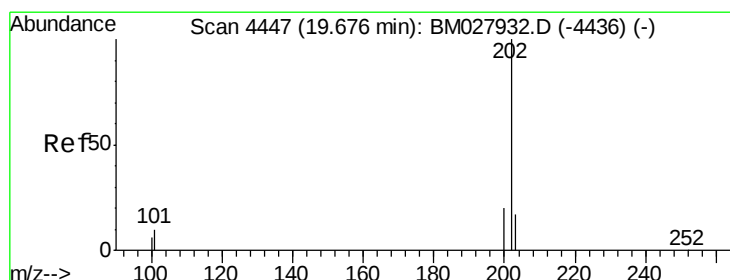
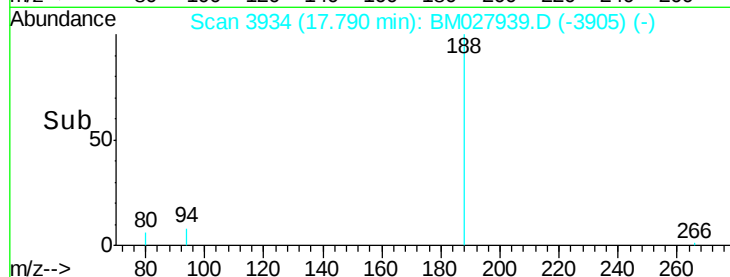
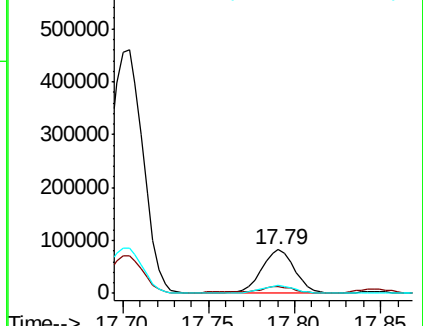
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 134.462 ng/ul

RT: 19.69 min Scan# 4450

Delta R.T. 0.01 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

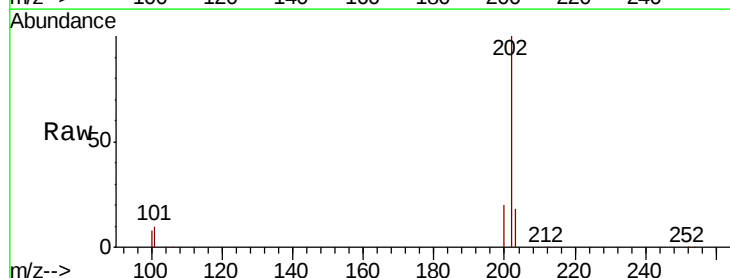
Tgt Ion:202 Resp: 1550416

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.3

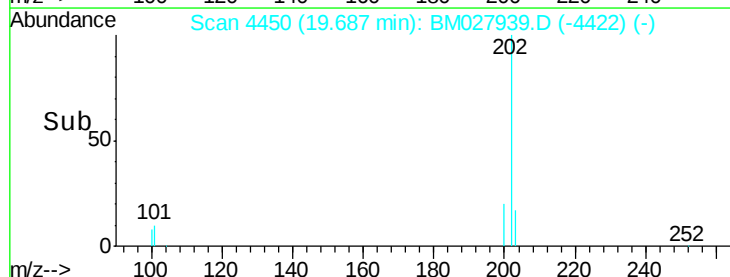
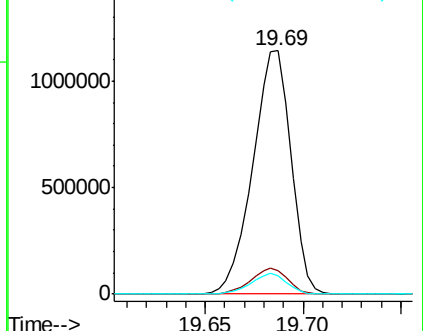
100 7.5 0.0 27.4

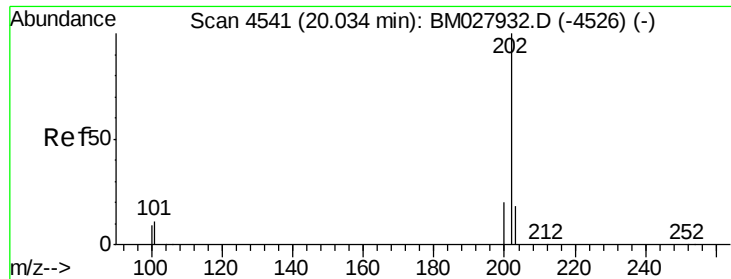


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





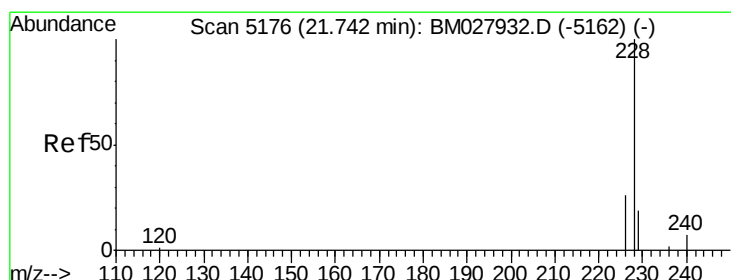
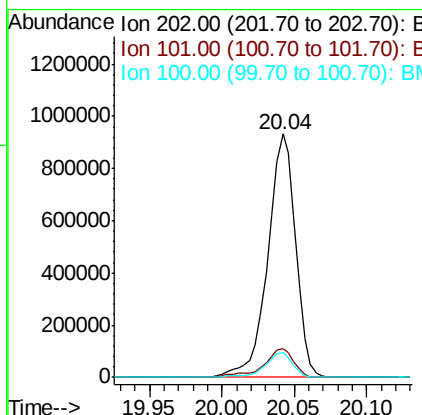
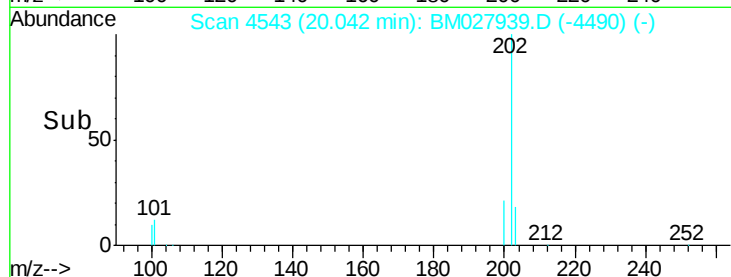
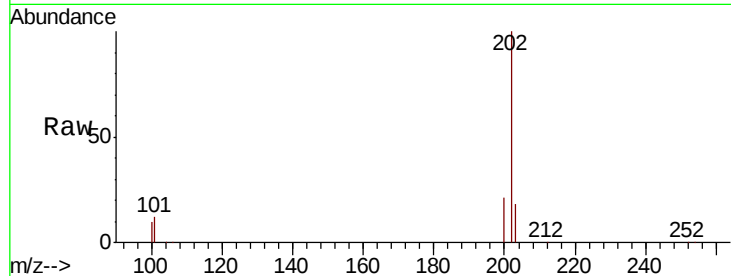
#17
Pvrene
Concen: 108.011 ng/ul
RT: 20.04 min Scan# 4543
Delta R.T. 0.00 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Instrument :
BNA_M
ClientSampleId :
C0B71

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.2	12.2
100	10.0	6.9	10.3

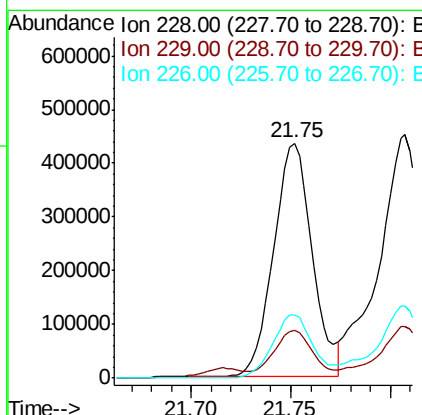
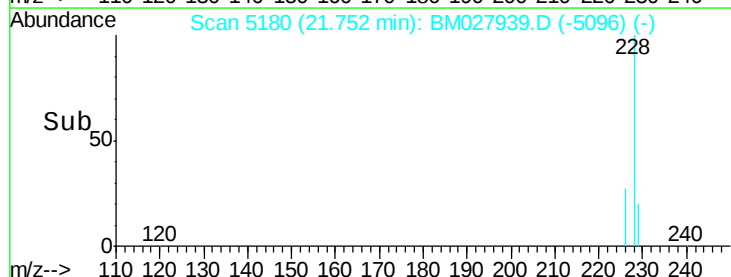
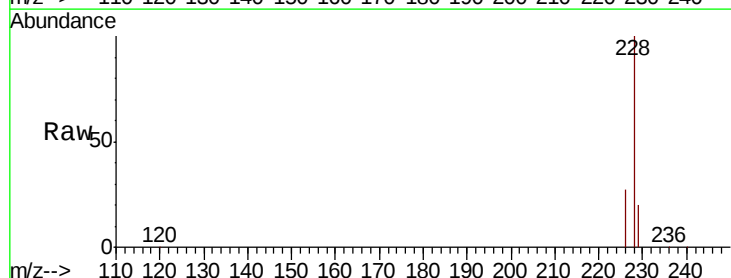
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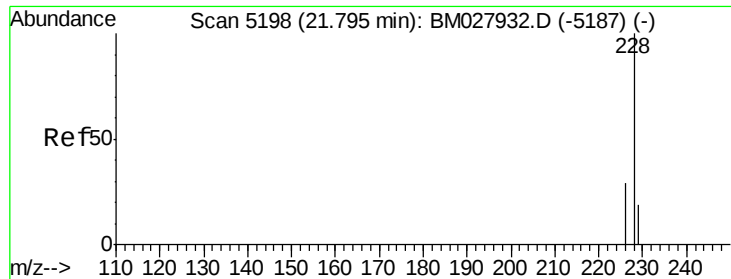
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#18
Benzo(a)anthracene
Concen: 64.979 ng/ul
RT: 21.75 min Scan# 5180
Delta R.T. 0.00 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.2	24.4
226	27.1	21.5	32.3





#19

Chrysene

Concen: 75.706 ng/ul

RT: 21.81 min Scan# 5203

Delta R.T. 0.00 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Instrument :

BNA_M

ClientSampleId :

C0B71

Tot Ion:228 Resp: 670020

Ion Ratio Lower Upper

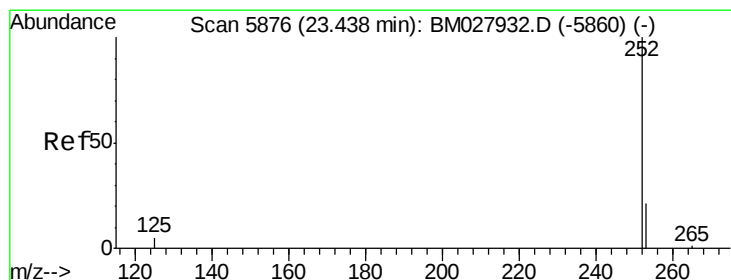
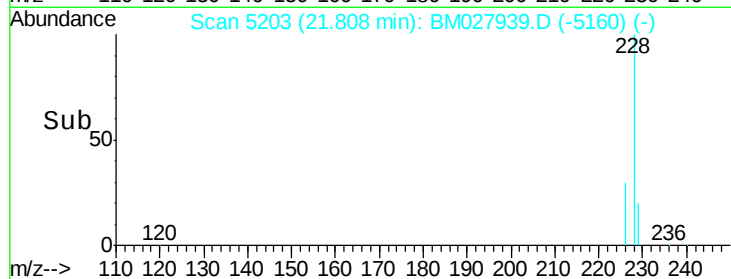
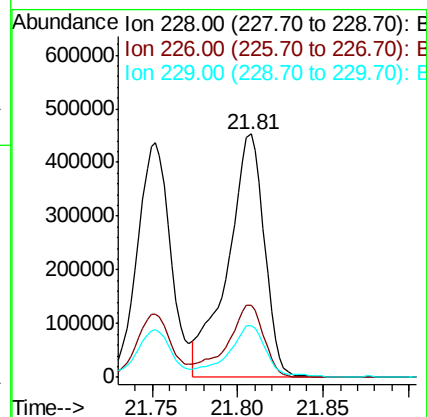
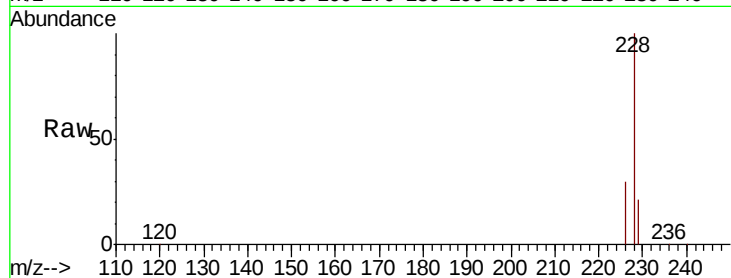
228 100

226 29.6 24.1 36.1

229 21.4 16.6 24.8

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#21

Benzo(b)fluoranthene

Concen: 60.189 ng/ul m

RT: 23.46 min Scan# 5885

Delta R.T. 0.01 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

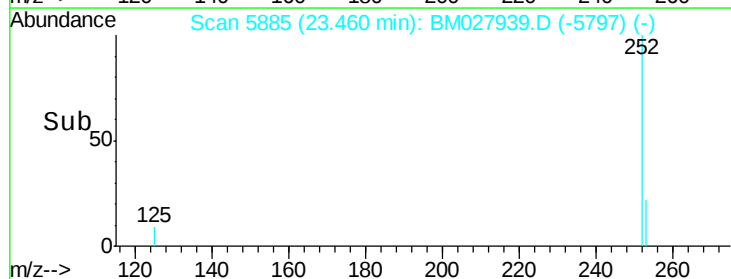
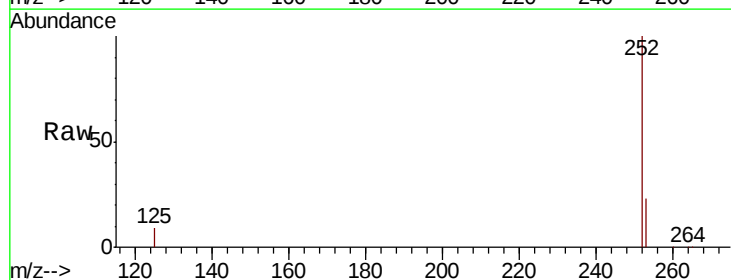
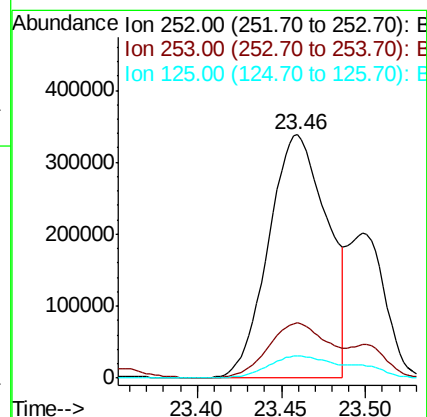
Tgt Ion:252 Resp: 823860

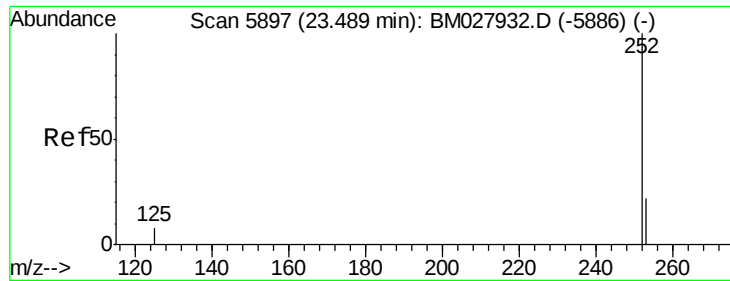
Ion Ratio Lower Upper

252 100

253 22.6 0.0 59.6

125 9.3 0.0 28.4





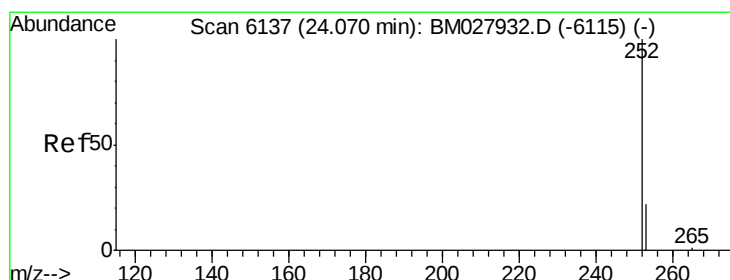
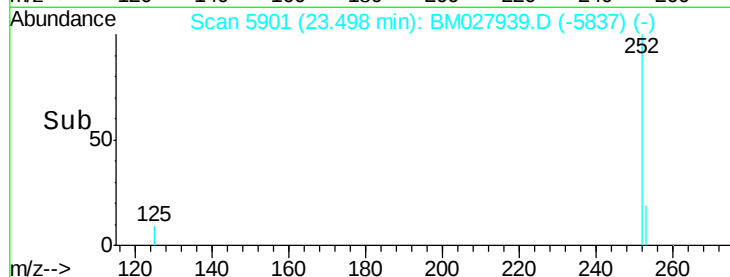
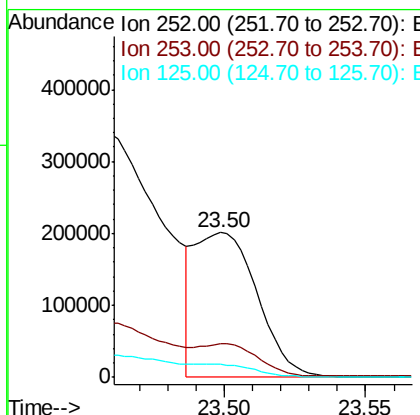
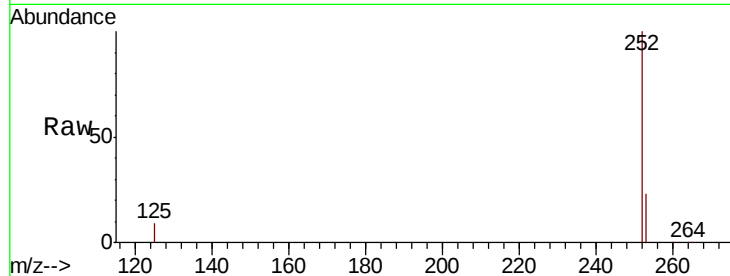
#22
Benzo(k)fluoranthene
Concen: 23.113 ng/ul m
RT: 23.50 min Scan# 5901
Delta R.T. 0.00 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Instrument :
BNA_M
ClientSampled :
C0B71

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	23.2	34.8#
125	8.8	11.8	17.6#

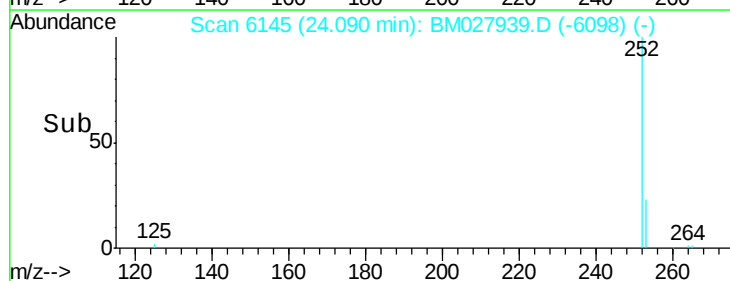
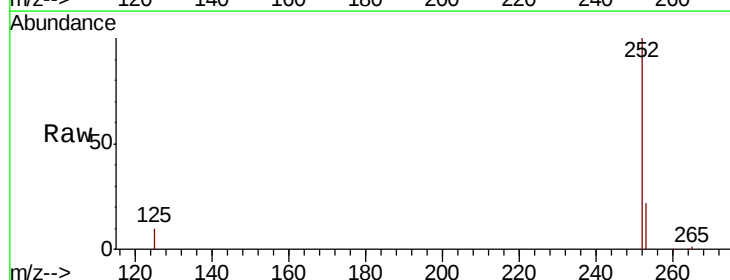
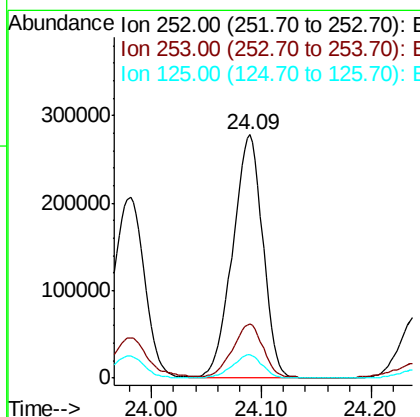
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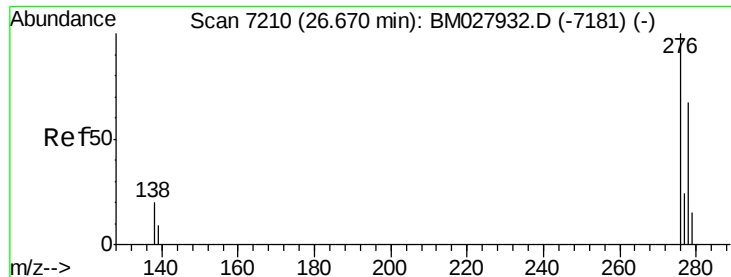
mohammad
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#23
Benzo(a)pyrene
Concen: 43.976 ng/ul
RT: 24.09 min Scan# 6145
Delta R.T. 0.01 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	25.2	37.8#
125	9.5	13.8	20.6#





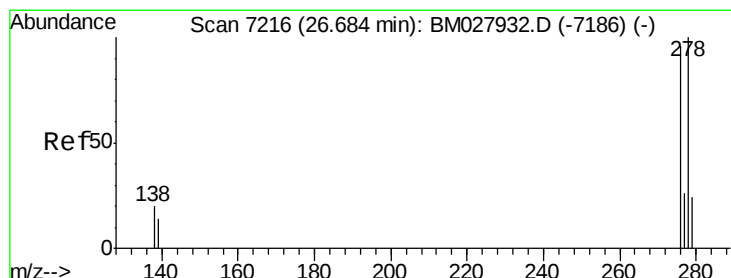
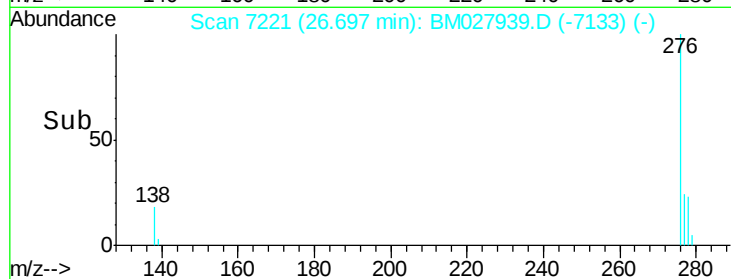
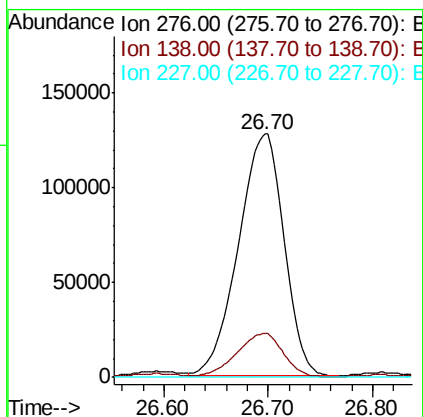
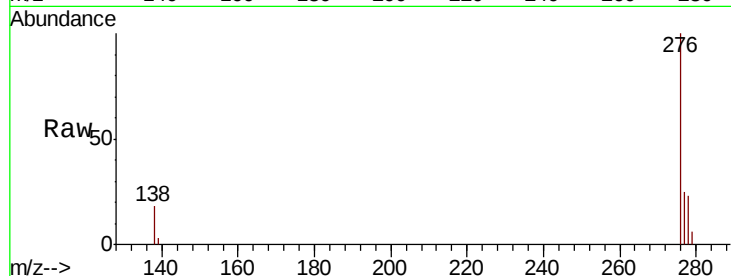
#24
Indeno(1,2,3-cd)pyrene
Concen: 30.258 ng/ul
RT: 26.70 min Scan# 7221
Delta R.T. 0.01 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Instrument :
BNA_M
ClientSampleId :
C0B71

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	15.7	23.5
227	0.0	0.0	0.0

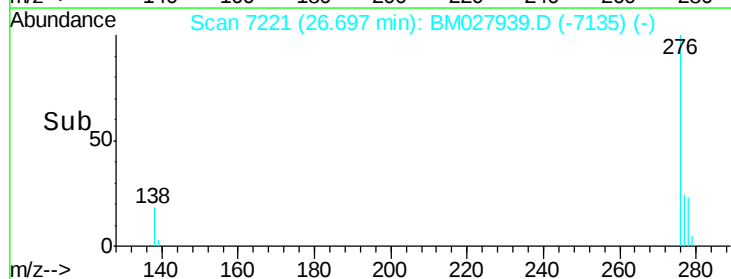
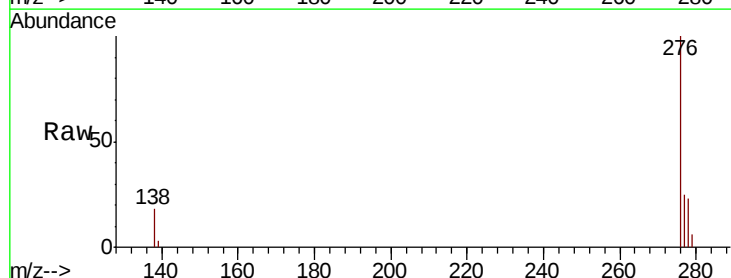
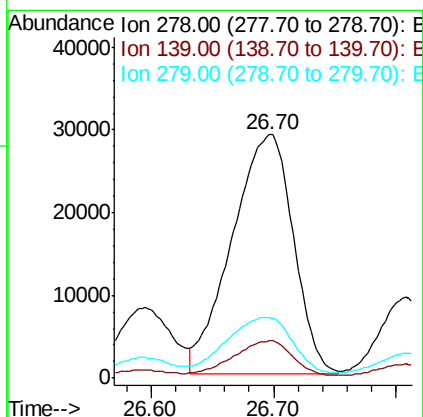
Manual Integrations
APPROVED

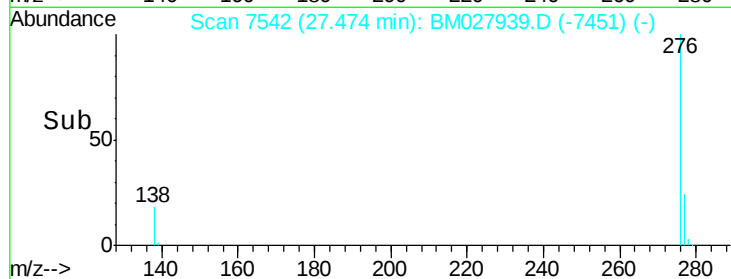
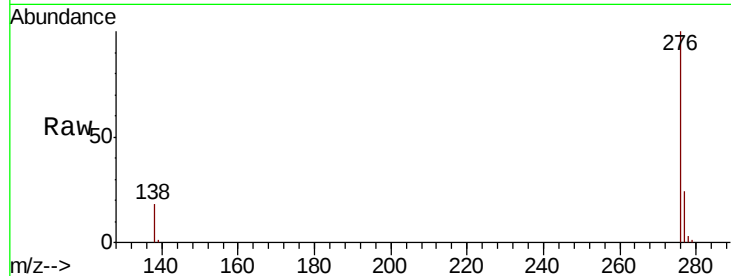
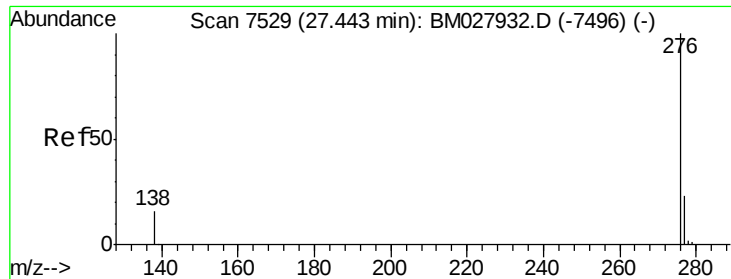
mohammad
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#25
Dibenzo(a,h)anthracene
Concen: 9.334 ng/ul m
RT: 26.70 min Scan# 7221
Delta R.T. 0.01 min
Lab File: BM027939.D
Acq: 24 Nov 2020 12:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	14.8	22.2
279	24.7	25.8	38.6#





#26

Benzo(a,h,i)perylene

Concen: 30.995 ng/ul

RT: 27.47 min Scan# 7542

Delta R.T. 0.02 min

Lab File: BM027939.D

Acq: 24 Nov 2020 12:54

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.4	26.2
277	24.2	22.5	33.7

Instrument :

BNA_M

ClientSampleId :

C0B71

Manual Integrations
APPROVED

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