

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027881.D
 Acq On : 21 Nov 2020 14:58
 Operator : JU/CG
 Sample : L4854-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Manual Integrations
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 11/24/2020 8:58:42 AM

Quant Time: Nov 23 03:52:37 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 02:58:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1175	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4800	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2926	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5586	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	2969	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2597	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1107	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1956	0.13	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	16406	1.140	ng/ul	97
5) 2-Methylnaphthalene	12.80	142	30952	3.162	ng/ul	99
7) Acenaphthylene	14.67	152	1227	0.086	ng/ul#	41
8) Acenaphthene	15.02	153	1272	0.119	ng/ul#	59
9) Fluorene	15.98	166	1796	0.145	ng/ul#	82
12) Phenanthrene	17.70	178	34737	1.969	ng/ul	99
13) Anthracene	17.79	178	2920m	0.172	ng/ul	
15) Fluoranthene	19.68	202	14194	0.725	ng/ul	98
17) Pyrene	20.04	202	17017	1.129	ng/ul	97
18) Benzo(a)anthracene	21.75	228	5552	0.463	ng/ul#	60
19) Chrysene	21.80	228	8938	0.766	ng/ul#	70
21) Benzo(b)fluoranthene	23.45	252	7004m	0.642	ng/ul	
22) Benzo(k)fluoranthene	23.50	252	2455m	0.230	ng/ul	
23) Benzo(a)pyrene	24.08	252	4450	0.466	ng/ul#	43
24) Indeno(1,2,3-cd)pyrene	26.68	276	3441	0.333	ng/ul#	91
25) Dibenzo(a,h)anthracene	26.69	278	1002	0.116	ng/ul#	1
26) Benzo(a,h,i)perylene	27.46	276	5233	0.604	ng/ul#	79

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

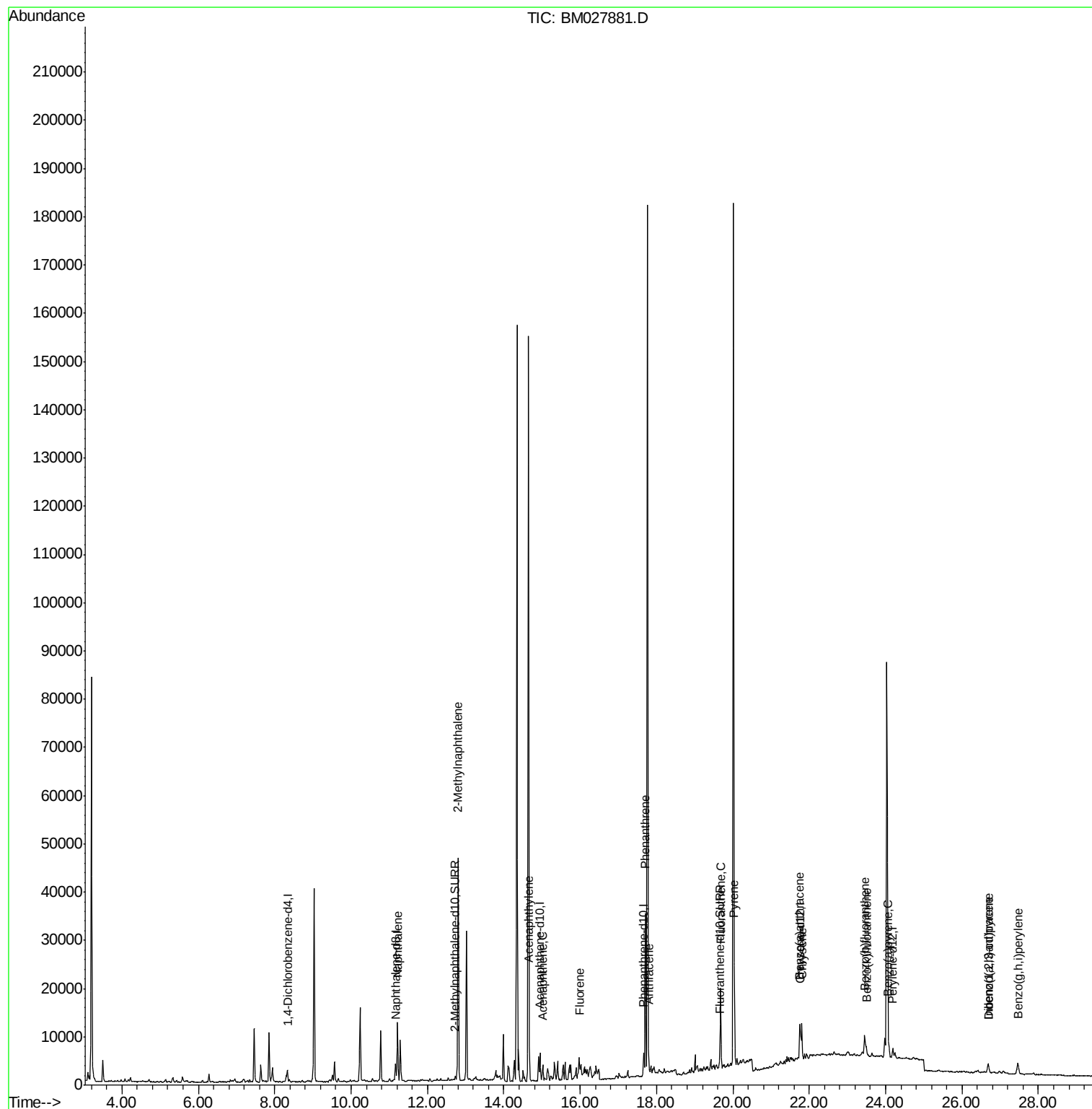
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027881.D
Acq On : 21 Nov 2020 14:58
Operator : JU/CG
Sample : L4854-06
Misc :
ALS Vial : 35 Sample Multiplier: 1

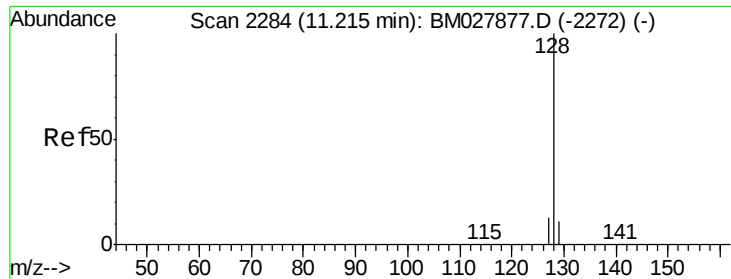
Instrument :
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Quant Time: Nov 23 03:52:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 02:58:43 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.140 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

ClientSampleId :

C0AD4

Tot Ion:128 Resp: 16406

Ion Ratio Lower Upper

128 100

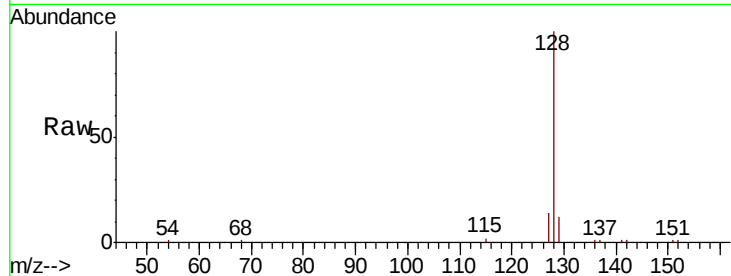
129 12.0 10.4 15.6

127 13.8 12.0 18.0

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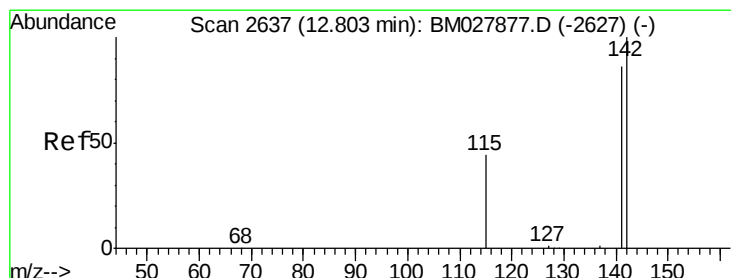
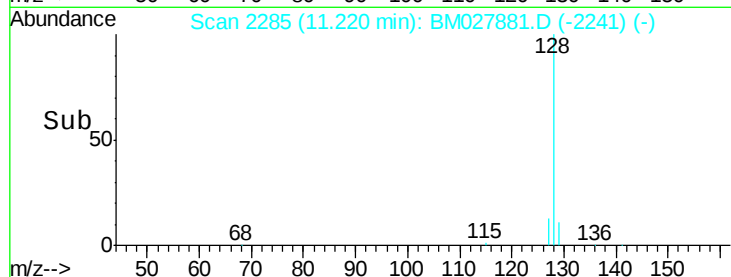
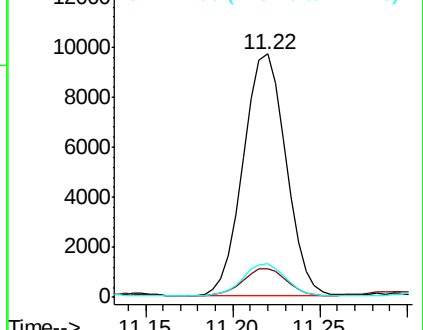
11/24/2020 8:58:42 AM



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: 3.162 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027881.D

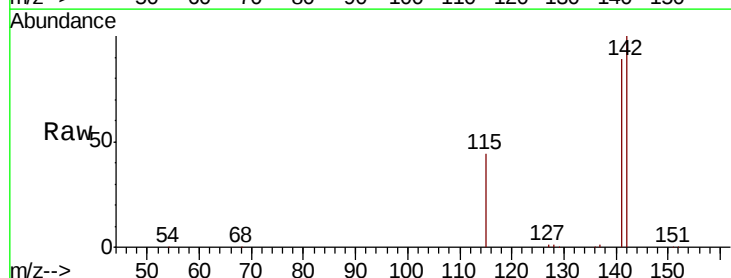
Acq: 21 Nov 2020 14:58

Tgt Ion:142 Resp: 30952

Ion Ratio Lower Upper

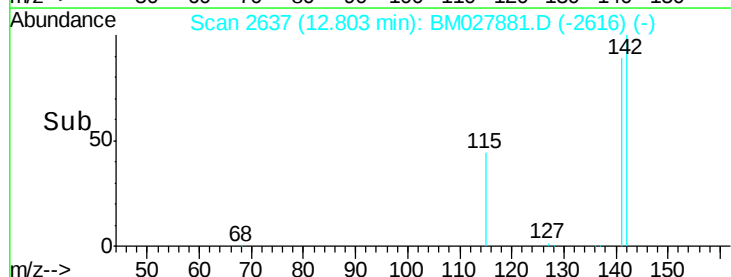
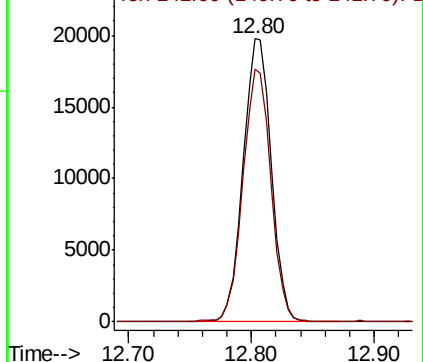
142 100

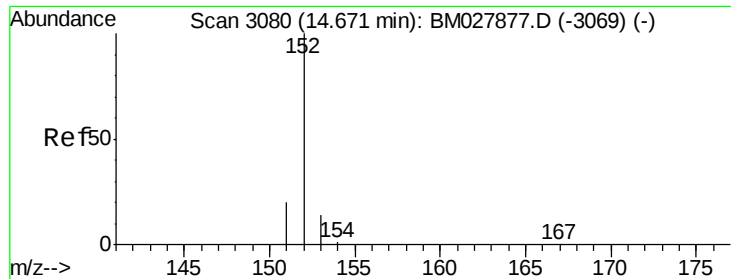
141 88.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.086 ng/ul

RT: 14.67 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

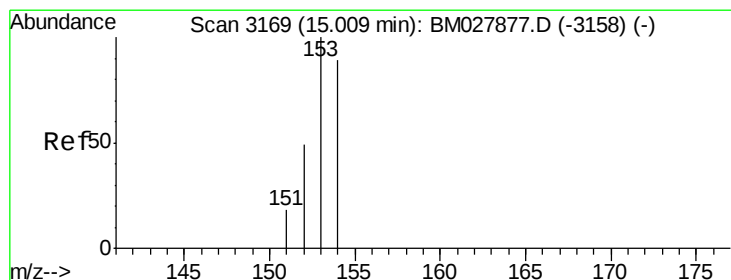
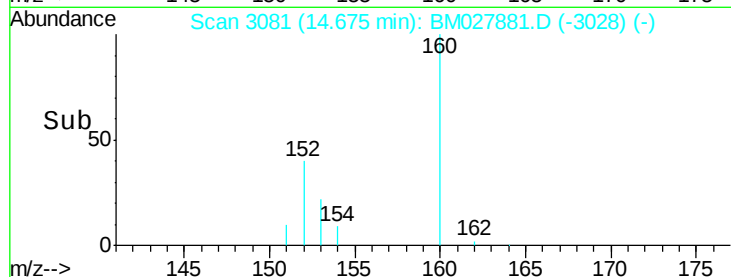
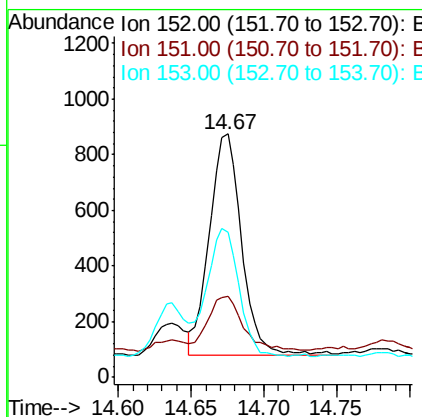
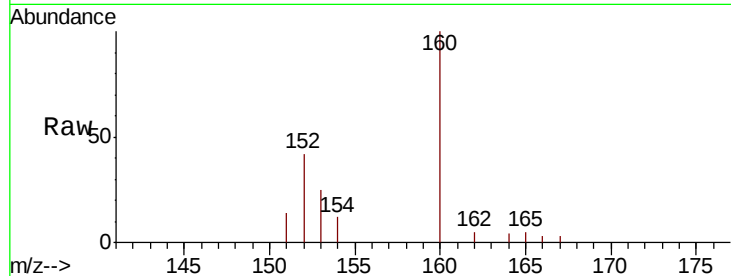
ClientSampleId :

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Tot Ion:	152	Resp:	1227
Ion Ratio	Lower	Upper	
152	100		
151	33.5	17.1	25.7#
153	59.7	12.0	18.0#

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#8

Acenaphthene

Concen: 0.119 ng/ul

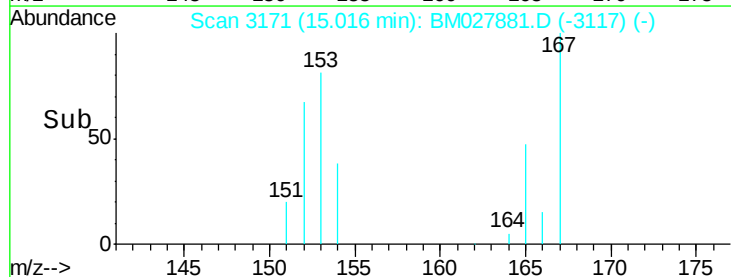
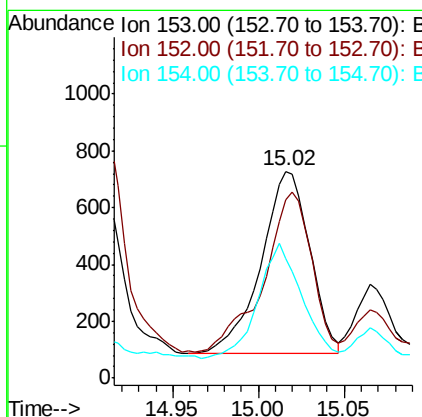
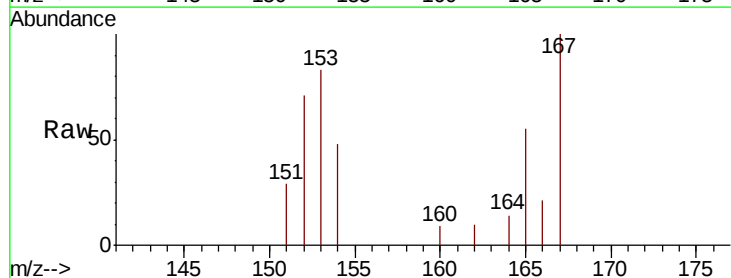
RT: 15.02 min Scan# 3171

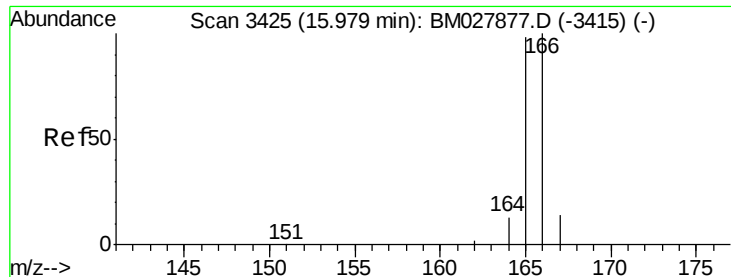
Delta R.T. 0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Tgt Ion:	153	Resp:	1272
Ion Ratio	Lower	Upper	
153	100		
152	86.4	39.0	58.6#
154	57.8	71.6	107.4#





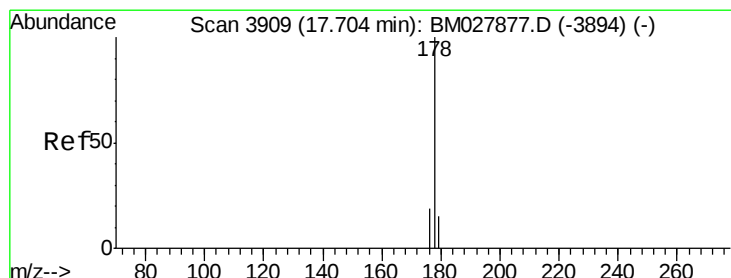
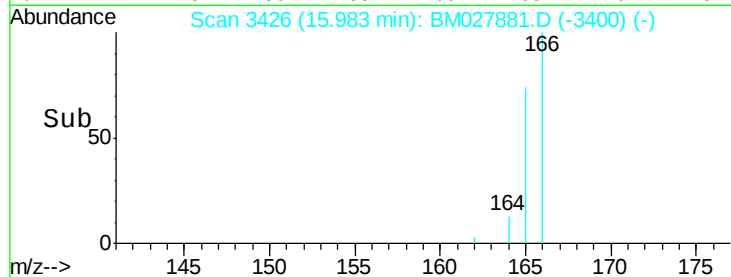
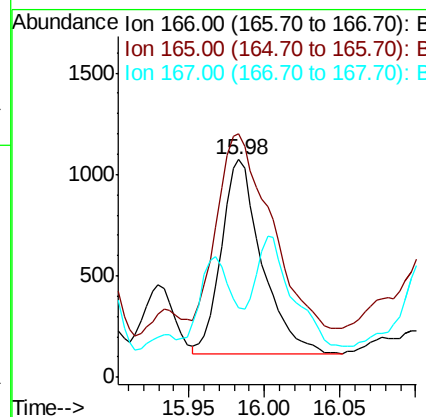
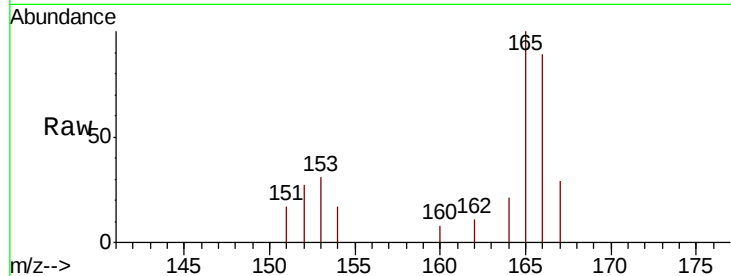
#9
Fluorene
 Concen: 0.145 ng/ul
 RT: 15.98 min Scan# 3426
 Delta R.T. -0.00 min
 Lab File: BM027881.D
 Acq: 21 Nov 2020 14:58

Instrument :
 BNA_M
 ClientSampleId :
 C0AD4

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.8	78.1	117.1
167	32.0	11.8	17.8

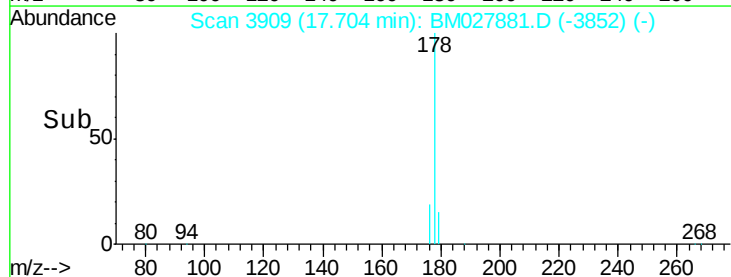
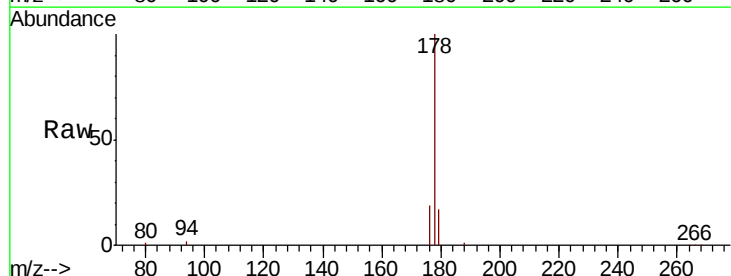
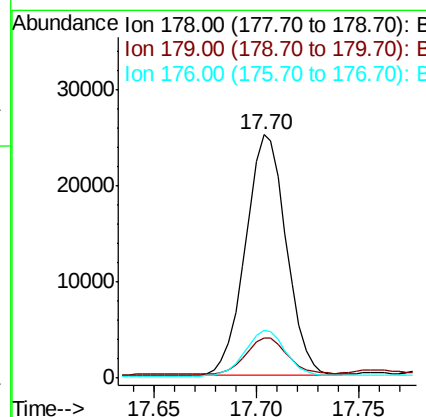
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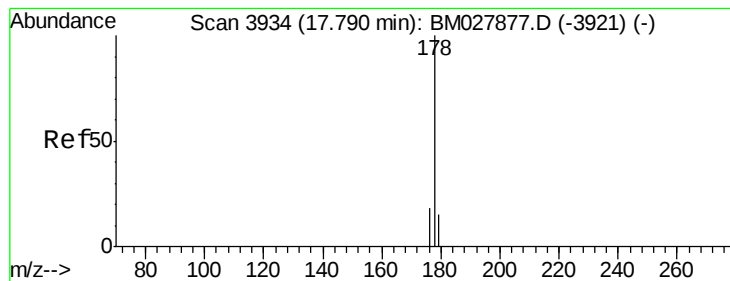
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#12
Phenanthrene
 Concen: 1.969 ng/ul
 RT: 17.70 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM027881.D
 Acq: 21 Nov 2020 14:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.6	20.4
176	19.5	16.1	24.1





#13

Anthracene

Concen: 0.172 ng/ul m

RT: 17.79 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

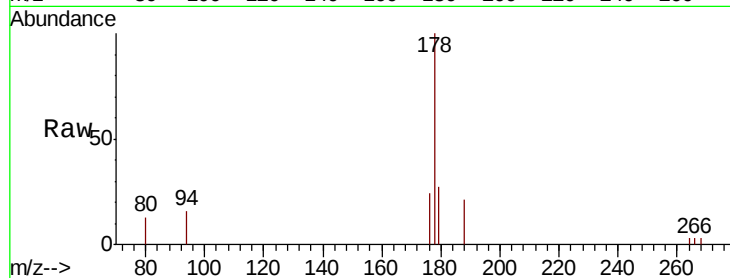
ClientSampleId :

C0AD4

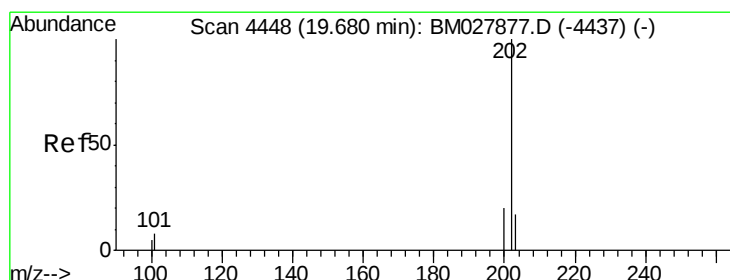
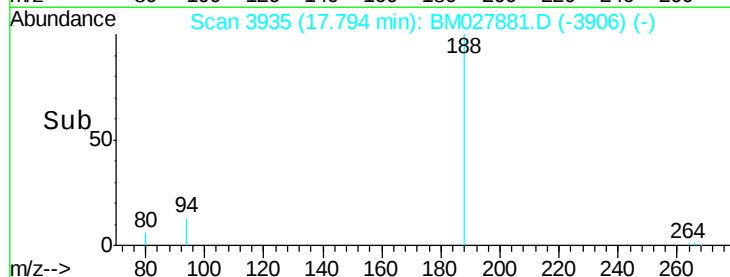
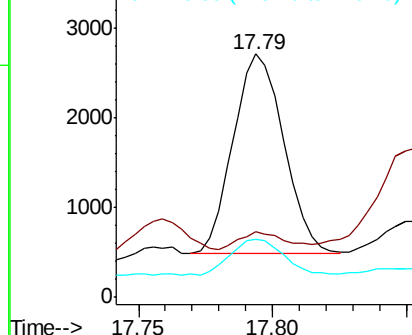
Tot Ion:	178	Resp:	2920
Ion Ratio	Lower	Upper	
178	100		
179	26.9	13.4	20.2#
176	24.1	15.0	22.6#

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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: 0.725 ng/ul

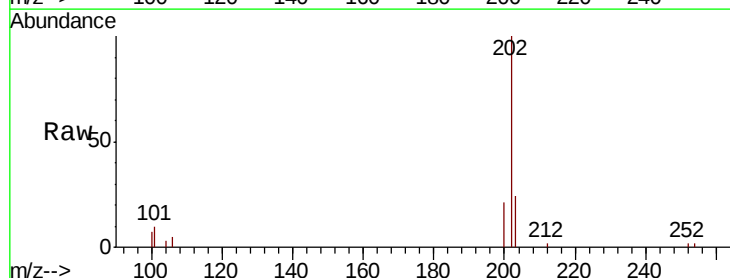
RT: 19.68 min Scan# 4449

Delta R.T. -0.00 min

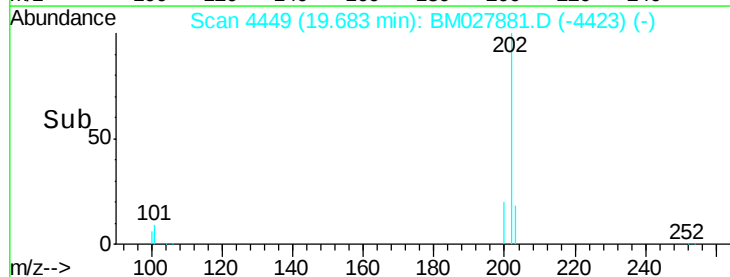
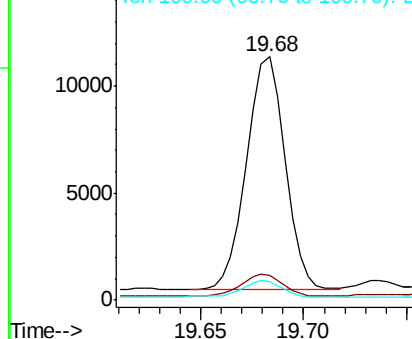
Lab File: BM027881.D

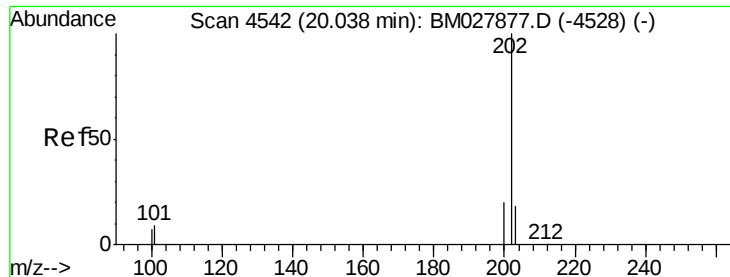
Acq: 21 Nov 2020 14:58

Tgt Ion:	202	Resp:	14194
Ion Ratio	Lower	Upper	
202	100		
101	10.3	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: 1.129 ng/ul

RT: 20.04 min Scan# 4543

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

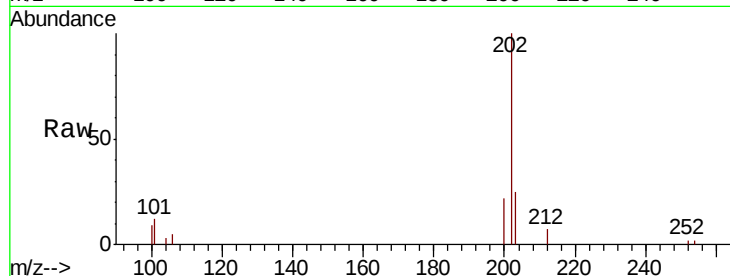
ClientSampleId :

C0AD4

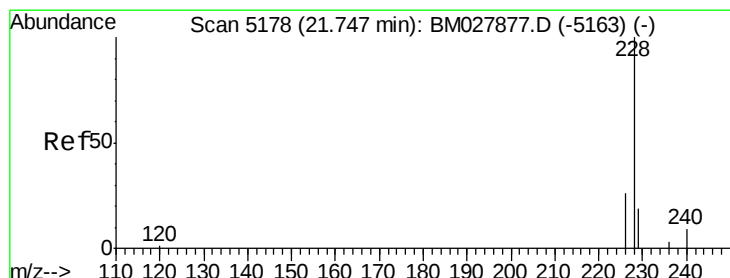
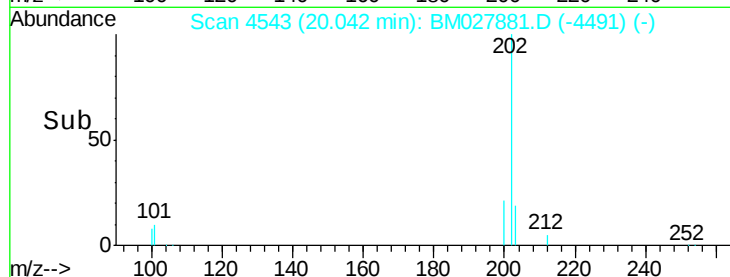
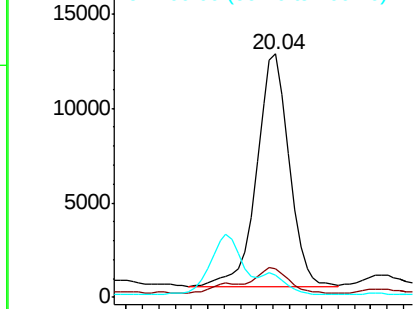
Tot Ion:	202	Resp:	17017
Ion Ratio	Lower	Upper	
202	100		
101	11.7	8.2	12.2
100	9.0	6.9	10.3

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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



#18

Benzo(a)anthracene

Concen: 0.463 ng/ul

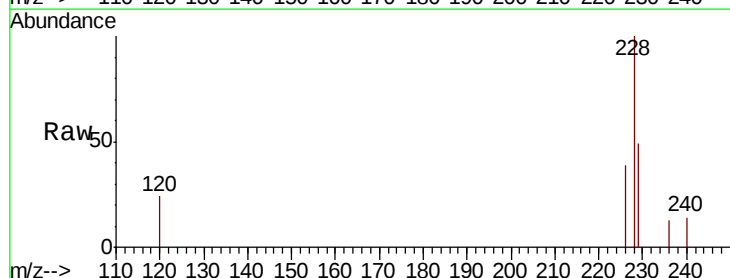
RT: 21.75 min Scan# 5179

Delta R.T. -0.00 min

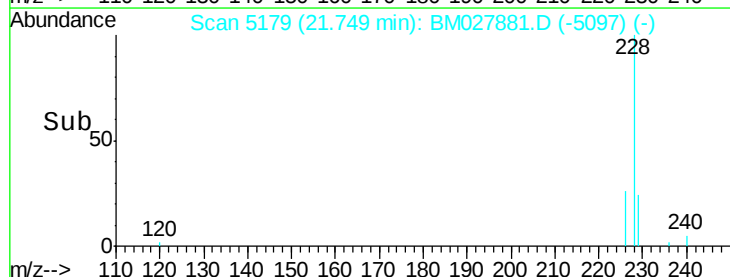
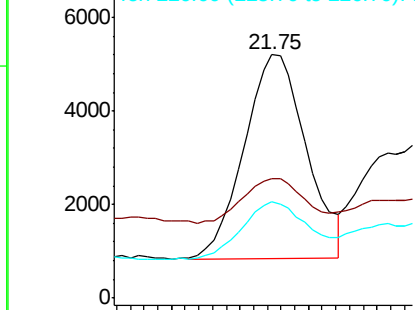
Lab File: BM027881.D

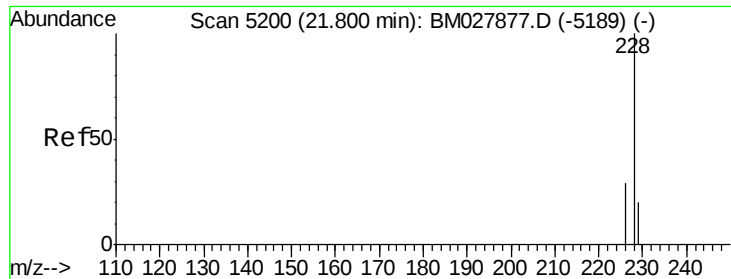
Acq: 21 Nov 2020 14:58

Tgt Ion:	228	Resp:	5552
Ion Ratio	Lower	Upper	
228	100		
229	49.0	16.2	24.4#
226	39.4	21.5	32.3#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.766 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

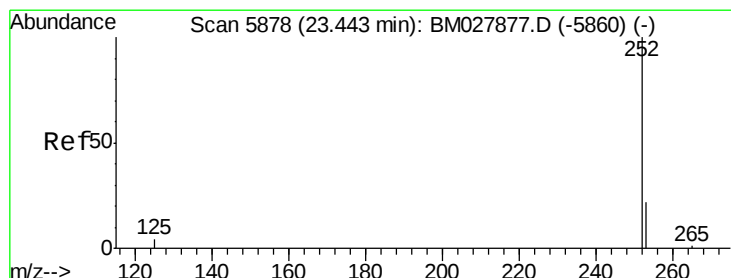
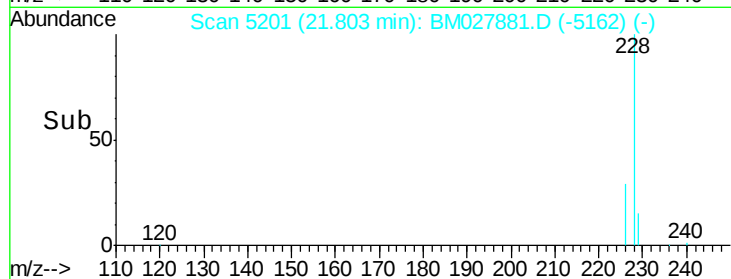
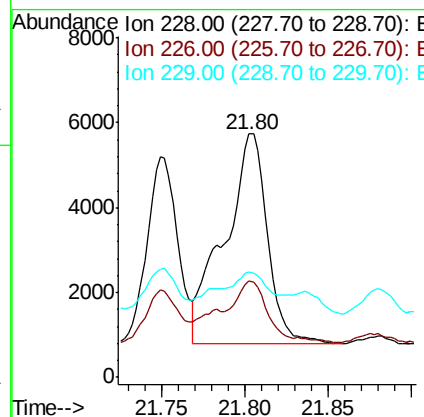
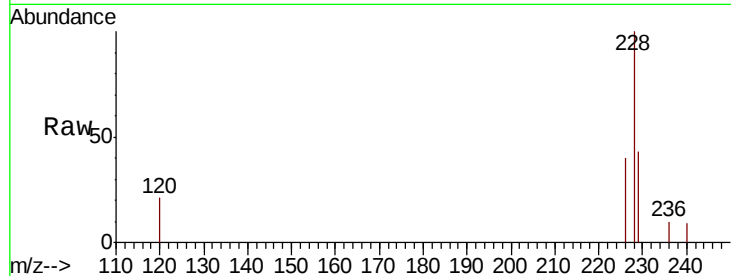
ClientSampleId :

C0AD4

Tot Ion:228	Resp:	8938
Ion Ratio	Lower	Upper
228 100		
226 39.7	24.1	36.1#
229 43.2	16.6	24.8#

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#21

Benzo(b)fluoranthene

Concen: 0.642 ng/ul m

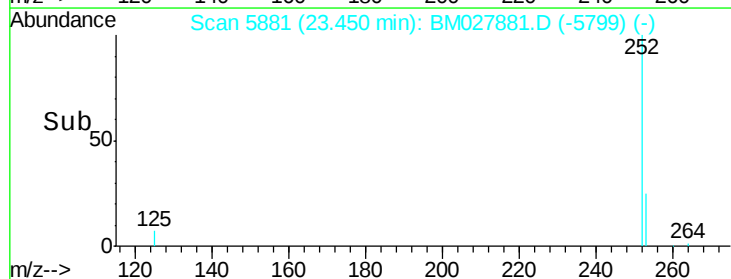
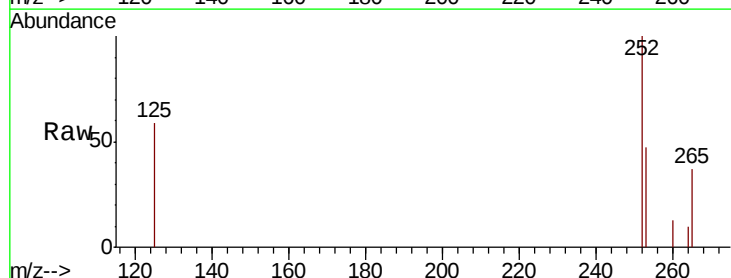
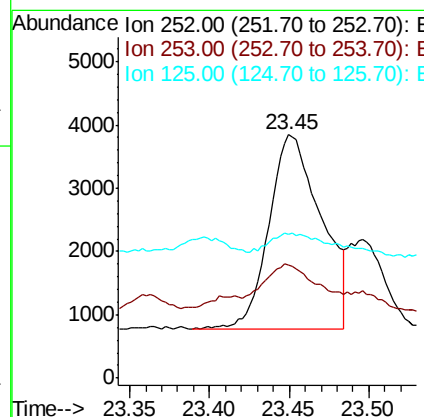
RT: 23.45 min Scan# 5881

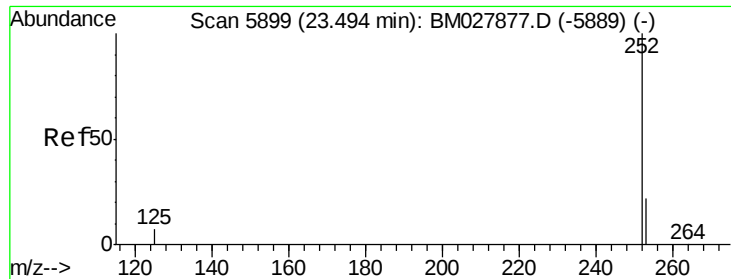
Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Tgt Ion:252	Resp:	7004
Ion Ratio	Lower	Upper
252 100		
253 46.6	0.0	59.6
125 59.1	0.0	28.4#





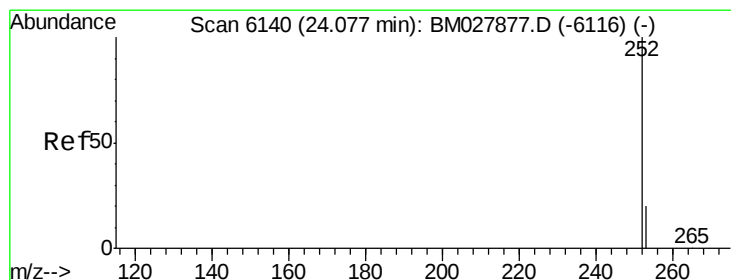
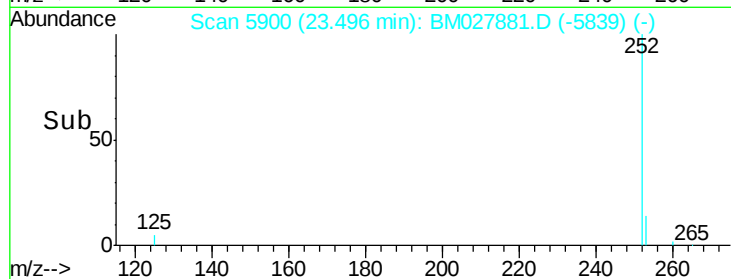
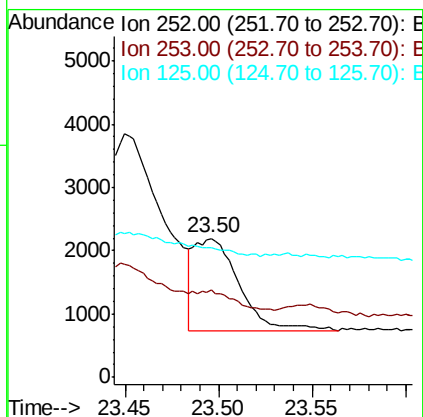
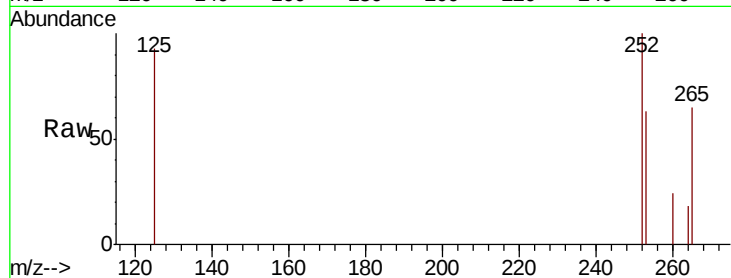
#22
Benzo(k)fluoranthene
Concen: 0.230 ng/ul m
RT: 23.50 min Scan# 5900
Delta R.T. -0.00 min
Lab File: BM027881.D
Acq: 21 Nov 2020 14:58

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tot Ion	Ratio	Lower	Upper
252	100		
253	62.6	23.2	34.8#
125	93.4	11.8	17.6#

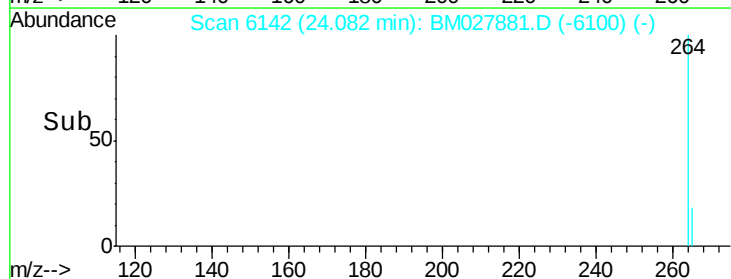
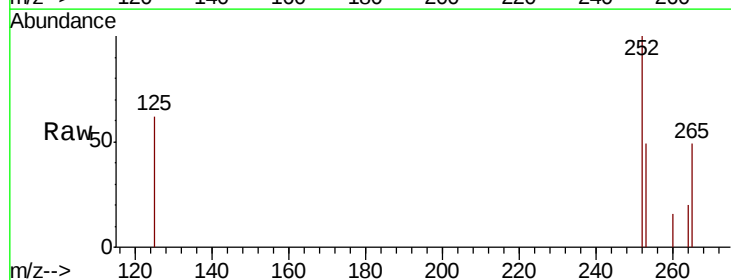
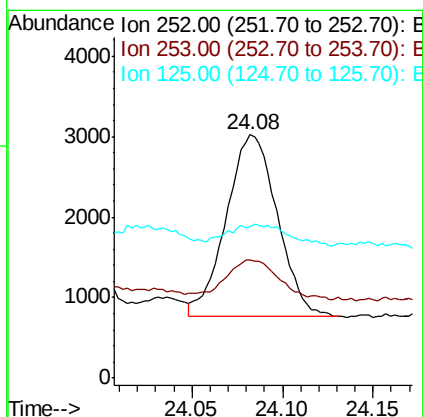
Manual Integrations
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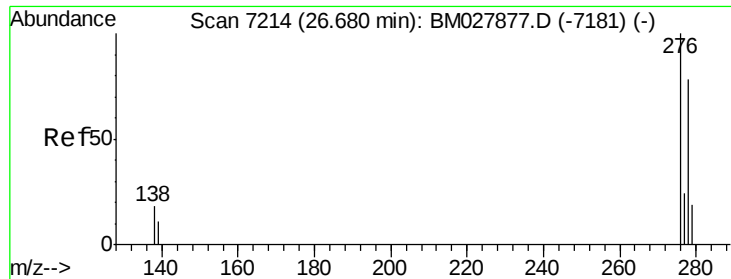
mohammad
11/24/2020 8:58:42 AM



#23
Benzo(a)pyrene
Concen: 0.466 ng/ul
RT: 24.08 min Scan# 6142
Delta R.T. 0.00 min
Lab File: BM027881.D
Acq: 21 Nov 2020 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	48.6	25.2	37.8#
125	62.4	13.8	20.6#





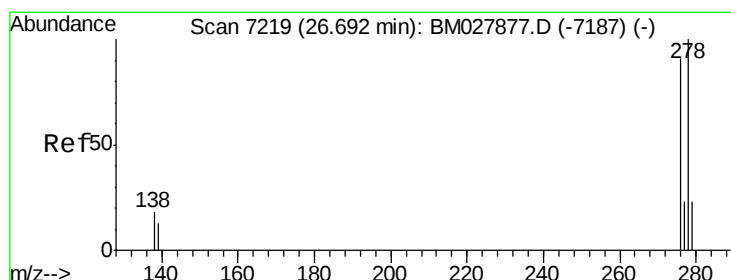
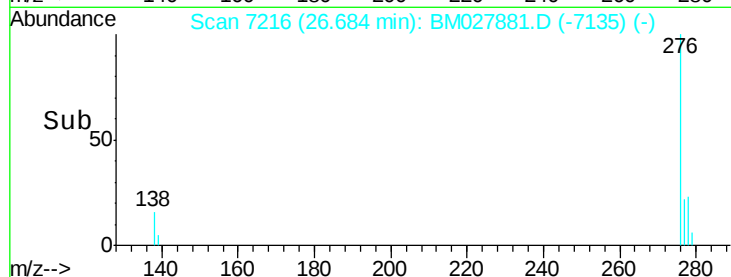
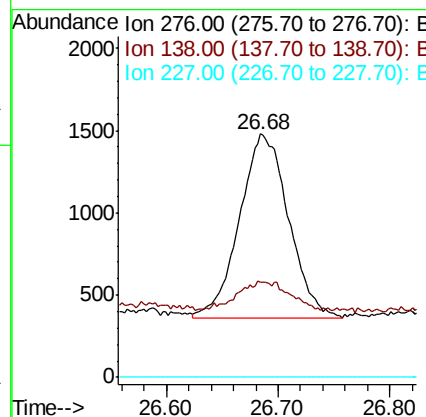
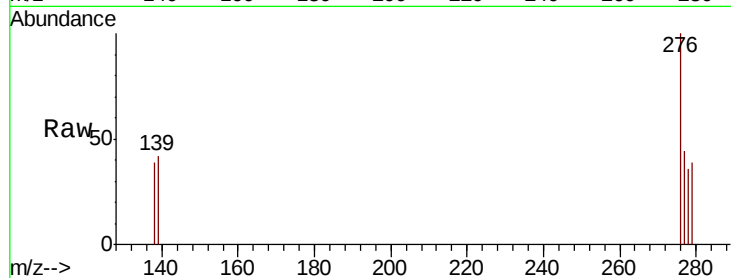
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.333 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027881.D
Acq: 21 Nov 2020 14:58

Instrument :
BNA_M
ClientSampleId :
C0AD4

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	15.7	23.5#
227	0.0	0.0	0.0

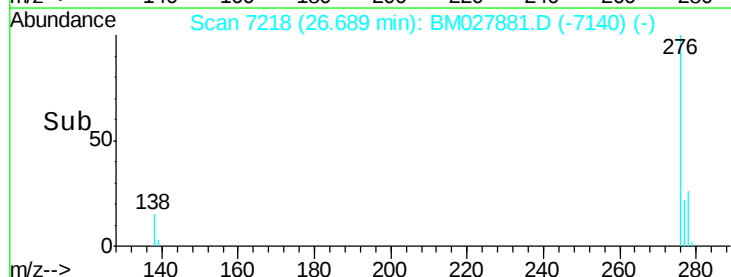
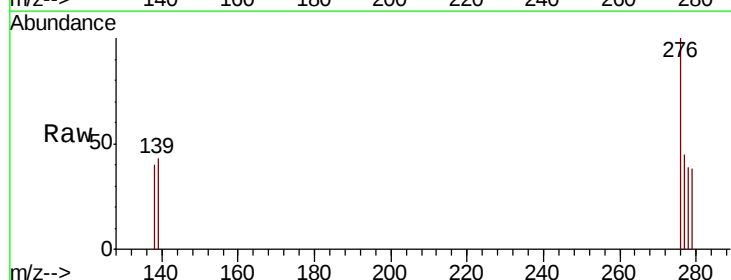
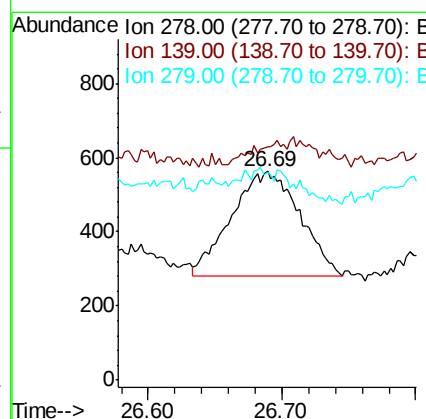
Manual Integrations
APPROVED

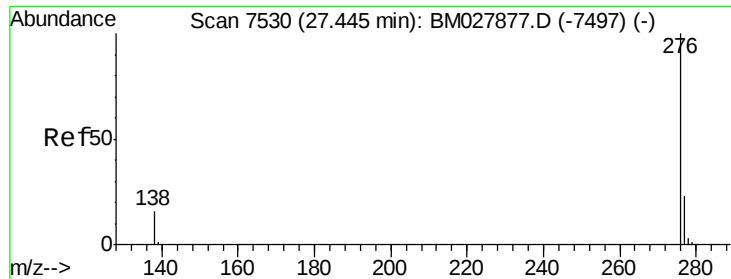
mohammad
11/24/2020 8:58:42 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.116 ng/ul
RT: 26.69 min Scan# 7218
Delta R.T. -0.01 min
Lab File: BM027881.D
Acq: 21 Nov 2020 14:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	111.7	14.8	22.2#
279	99.3	25.8	38.6#





#26

Benzo(a,h,i)perylene

Concen: 0.604 ng/ul

RT: 27.46 min Scan# 7537

Delta R.T. -0.00 min

Lab File: BM027881.D

Acq: 21 Nov 2020 14:58

Instrument :

BNA_M

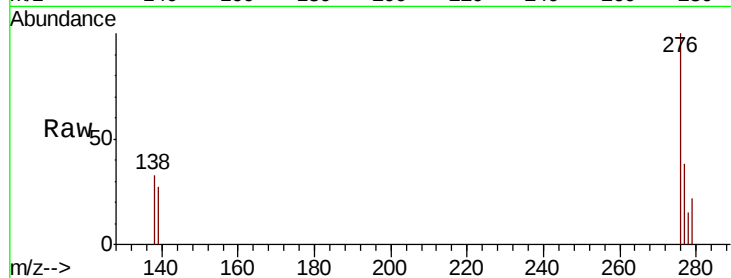
ClientSampleId :

C0AD4

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.2	17.4	26.2#
277	38.0	22.5	33.7#

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:42 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

