

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027867.D
 Acq On : 21 Nov 2020 00:02
 Operator : JU/CG
 Sample : L4710-19
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AW5

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:58:00 AM

Quant Time: Nov 21 03:16:41 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 : Sat Nov 21 02:40:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1101	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4517	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2872	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5652	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	3398	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2519	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1328	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	3258	0.22	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.22	128	1629	0.120	ng/ul#	93
5) 2-Methylnaphthalene	12.80	142	516	0.056	ng/ul	98
7) Acenaphthylene	14.68	152	546	0.039	ng/ul#	77
8) Acenaphthene	15.01	153	2007	0.191	ng/ul	99
9) Fluorene	15.98	166	1822	0.150	ng/ul	99
12) Phenanthrene	17.70	178	46786	2.620	ng/ul	97
13) Anthracene	17.79	178	4041	0.235	ng/ul	97
15) Fluoranthene	19.68	202	101771	5.141	ng/ul	98
17) Pyrene	20.04	202	83673	4.849	ng/ul	99
18) Benzo(a)anthracene	21.75	228	31524	2.299	ng/ul	100
19) Chrysene	21.80	228	40544	3.036	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	46110m	4.356	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	15569m	1.502	ng/ul	
23) Benzo(a)pyrene	24.08	252	28031	3.028	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.68	276	19616	1.957	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.68	278	4533	0.543	ng/ul#	94
26) Benzo(a,h,i)perylene	27.46	276	18191	2.164	ng/ul	93

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

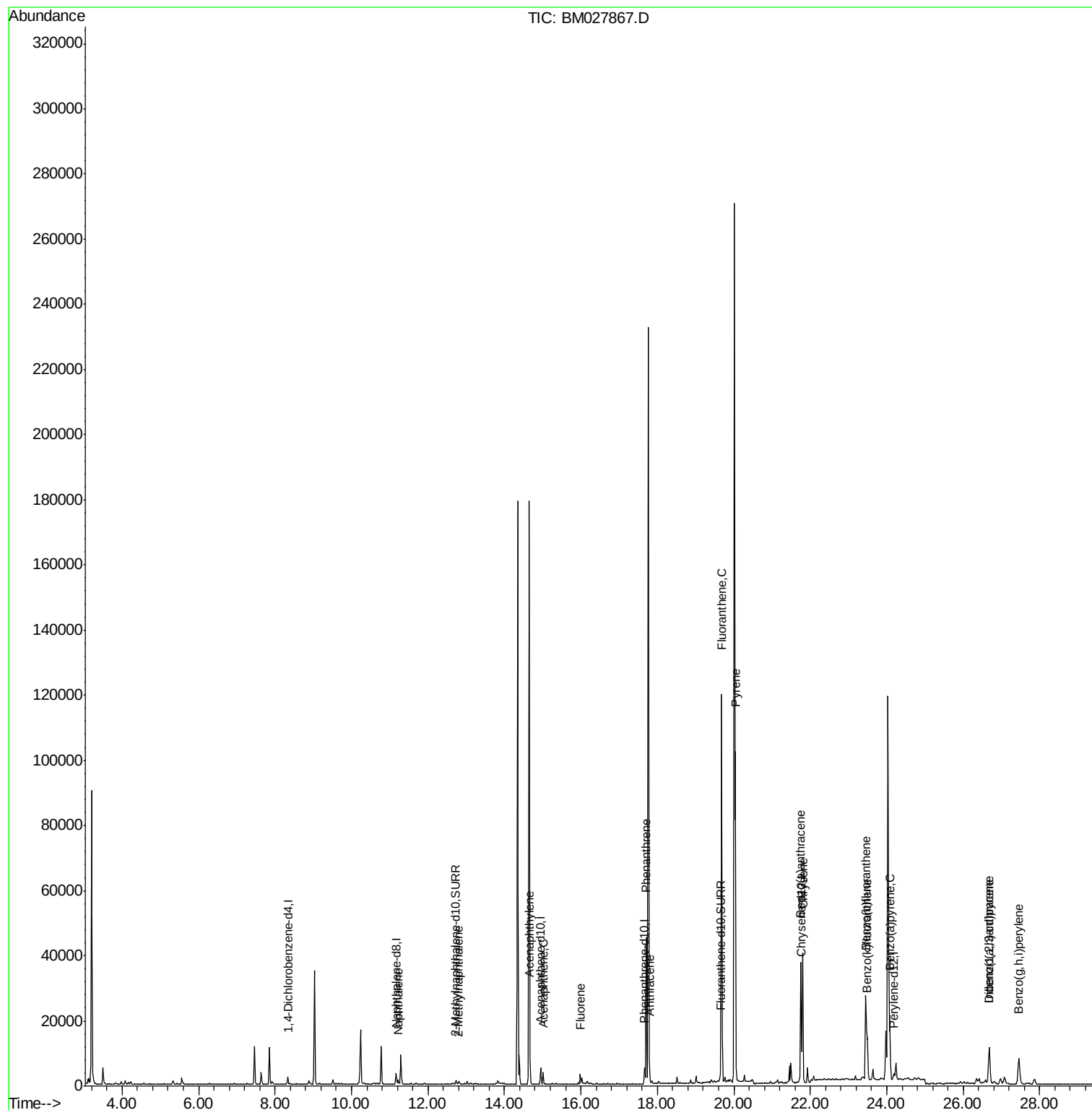
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027867.D
Acq On : 21 Nov 2020 00:02
Operator : JU/CG
Sample : L4710-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

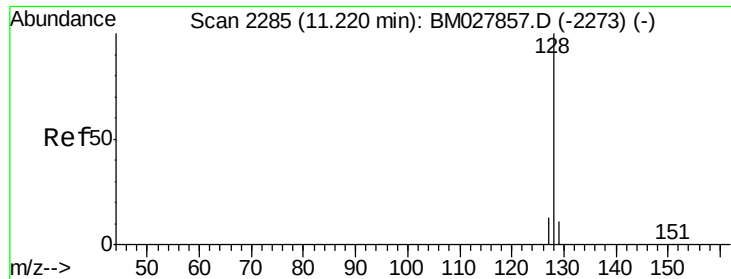
Instrument :
BNA_M
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Quant Time: Nov 21 03:16:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
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QLast Update : Sat Nov 21 02:40:49 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.120 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Instrument :

BNA_M

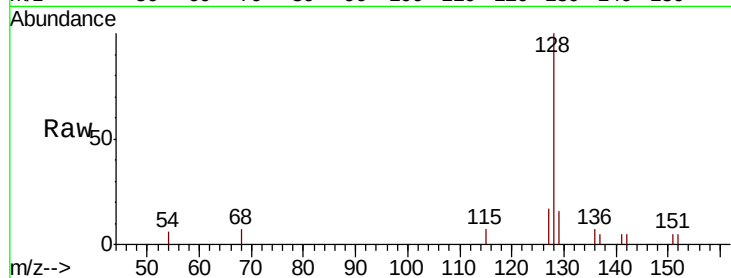
ClientSampleId :

C0AW5

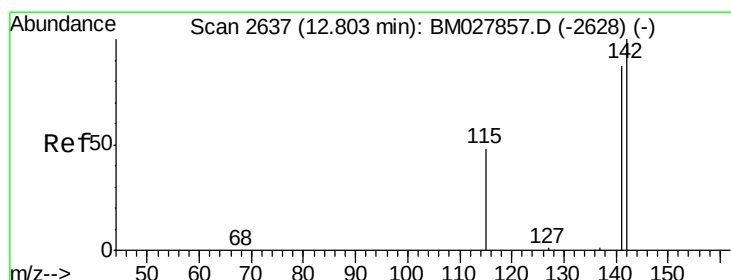
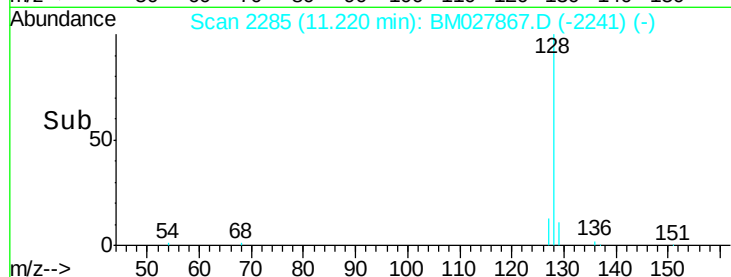
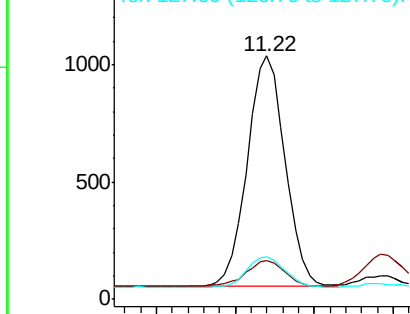
Tot Ion:	128	Resp:	1629
Ion	Ratio	Lower	Upper
128	100		
129	16.0	10.4	15.6#
127	17.5	12.0	18.0

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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: 0.056 ng/ul

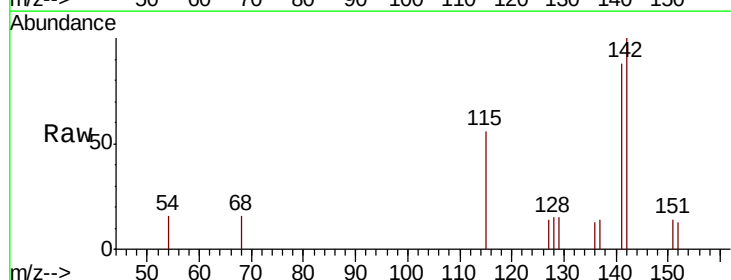
RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

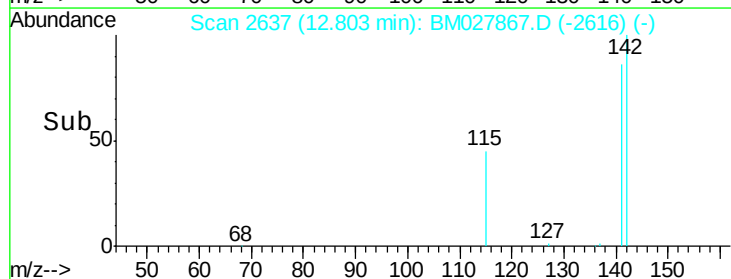
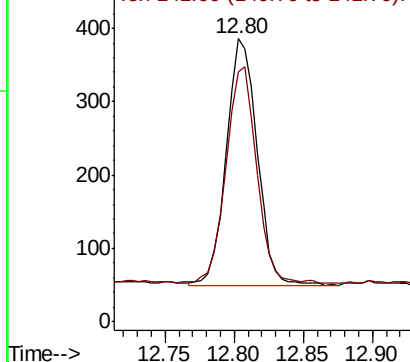
Lab File: BM027867.D

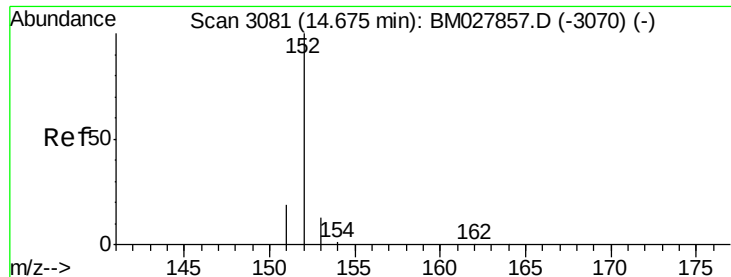
Acq: 21 Nov 2020 00:02

Tgt Ion:	142	Resp:	516
Ion	Ratio	Lower	Upper
142	100		
141	87.4	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: 0.039 ng/ul

RT: 14.68 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Instrument :

BNA_M

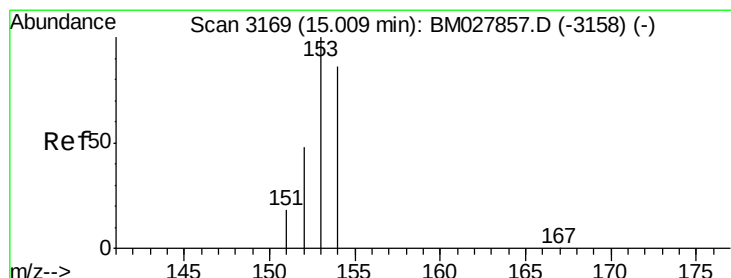
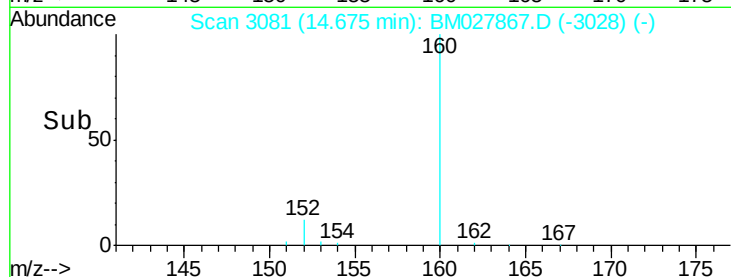
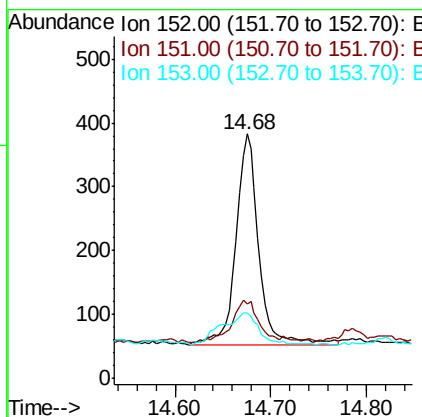
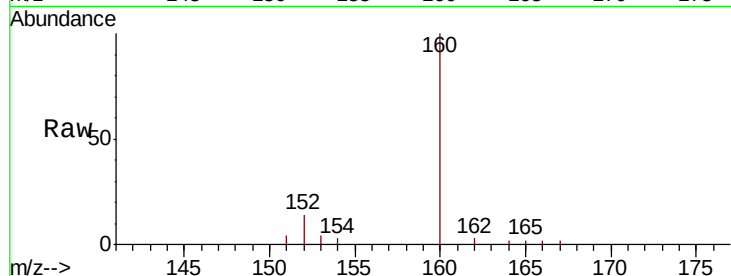
ClientSampleId :

C0AW5

Tot Ion:	152	Resp:	546
Ion Ratio	Lower	Upper	
152	100		
151	30.3	17.1	25.7#
153	26.6	12.0	18.0#

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#8

Acenaphthene

Concen: 0.191 ng/ul

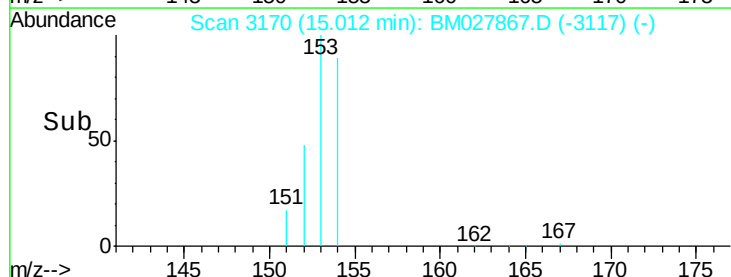
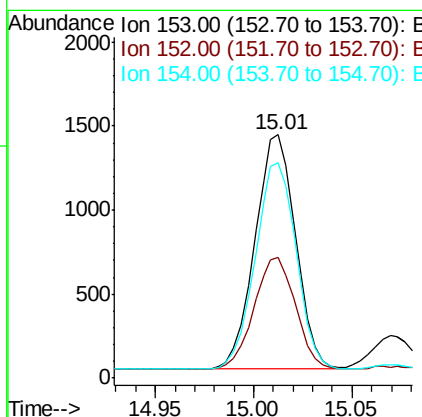
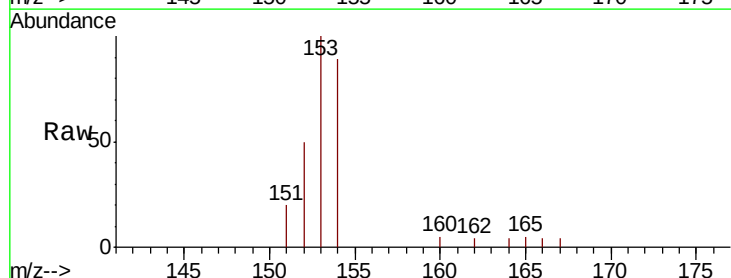
RT: 15.01 min Scan# 3170

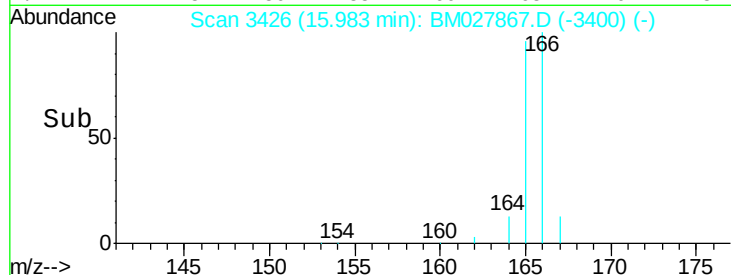
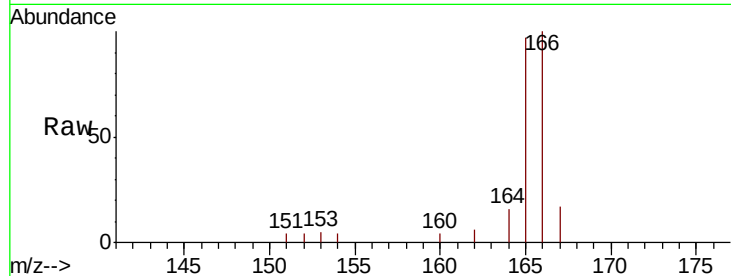
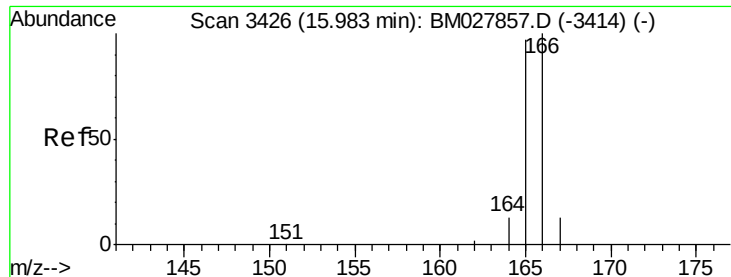
Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Tgt Ion:	153	Resp:	2007
Ion Ratio	Lower	Upper	
153	100		
152	49.7	39.0	58.6
154	88.7	71.6	107.4





#9

Fluorene

Concen: 0.150 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Tot Ion:	166	Resp:	1822
Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	16.7	11.8	17.8

Instrument :

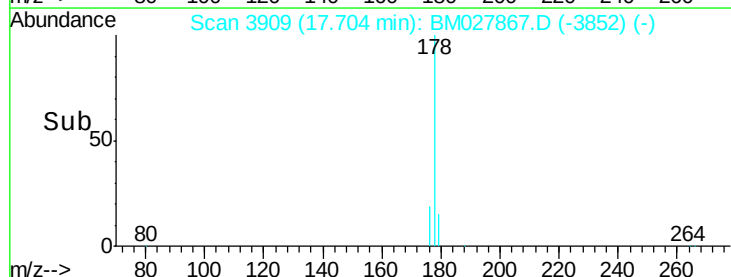
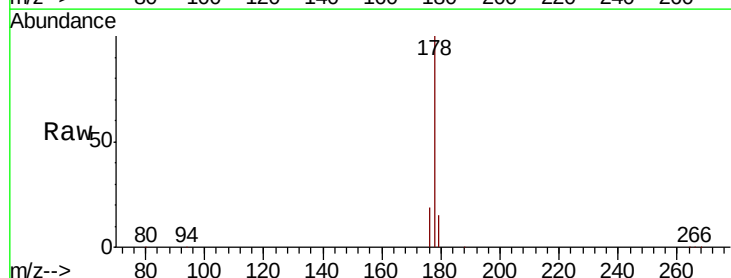
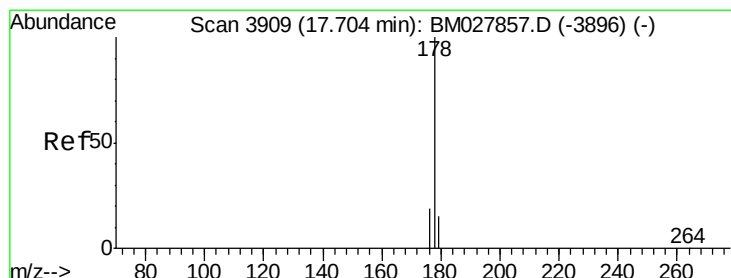
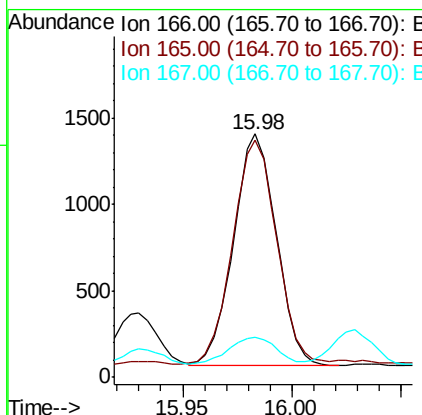
BNA_M

ClientSampleId :

C0AW5

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#12

Phenanthrene

Concen: 2.620 ng/ul

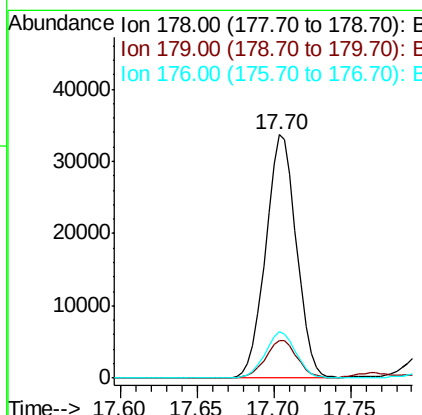
RT: 17.70 min Scan# 3909

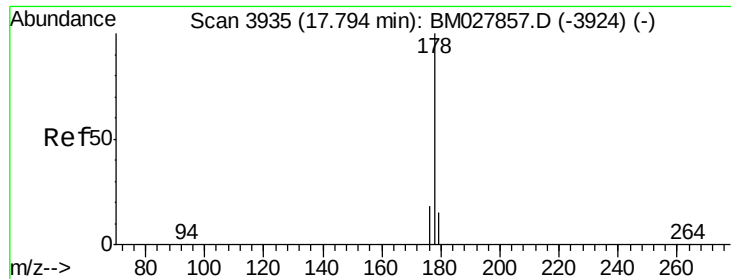
Delta R.T. -0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Tgt Ion:	178	Resp:	46786
Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.6	20.4
176	19.1	16.1	24.1





#13

Anthracene

Concen: 0.235 ng/ul

RT: 17.79 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Instrument :

BNA_M

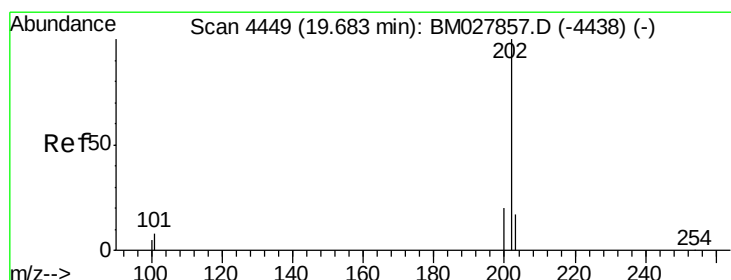
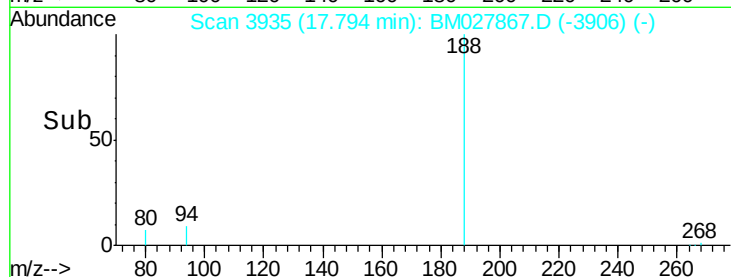
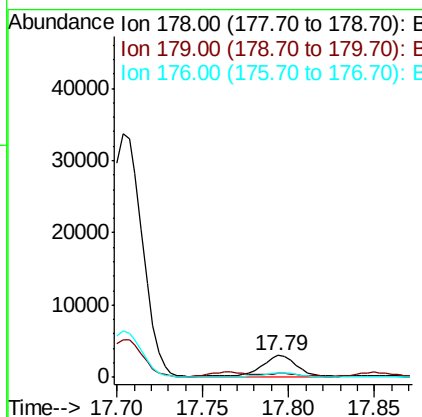
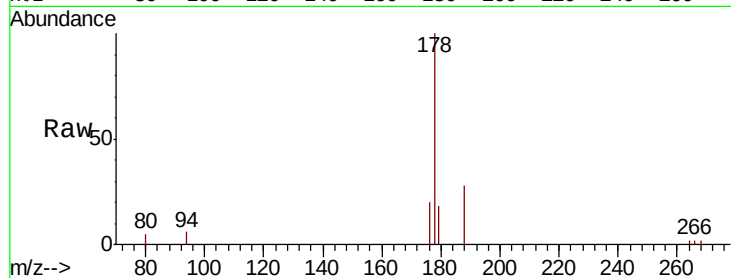
ClientSampleId :

C0AW5

Tot Ion:	178	Resp:	4041
Ion Ratio	Lower	Upper	
178	100		
179	17.9	13.4	20.2
176	20.0	15.0	22.6

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#15

Fluoranthene

Concen: 5.141 ng/ul

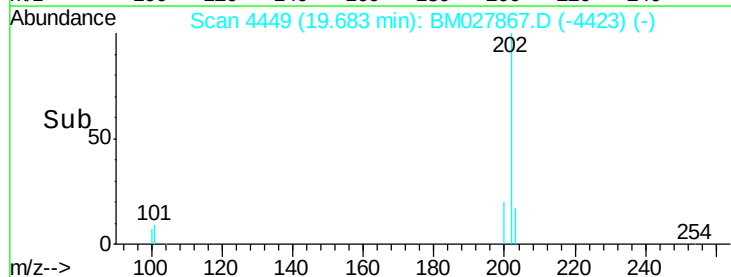
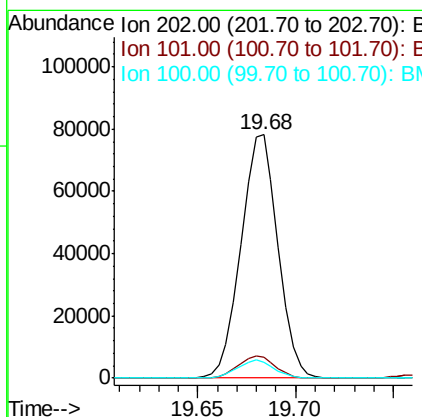
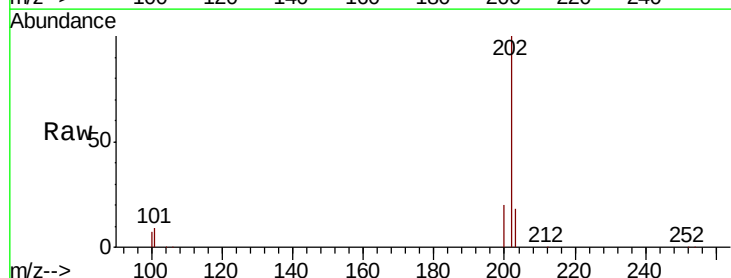
RT: 19.68 min Scan# 4449

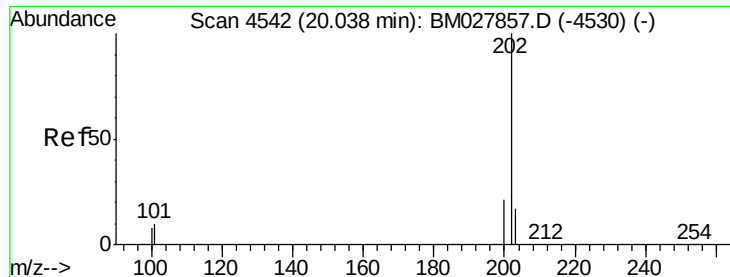
Delta R.T. 0.00 min

Lab File: BM027867.D

Acq: 21 Nov 2020 00:02

Tgt Ion:	202	Resp:	101771
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	29.3
100	6.6	0.0	27.4





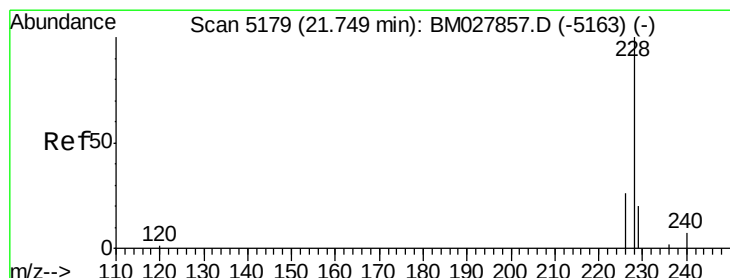
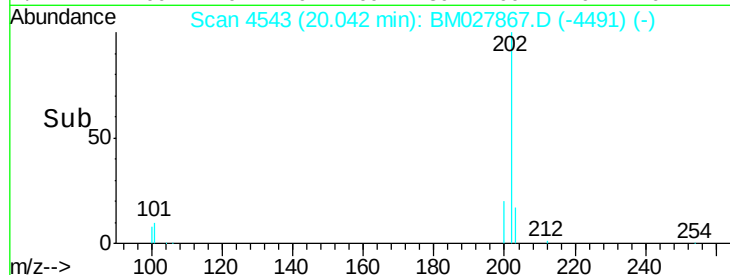
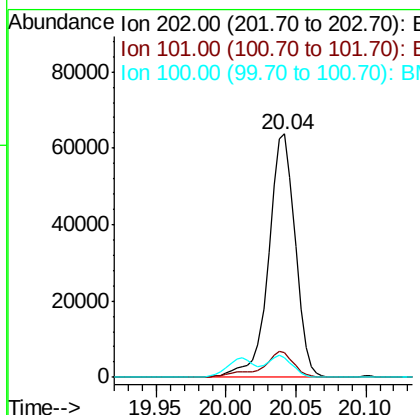
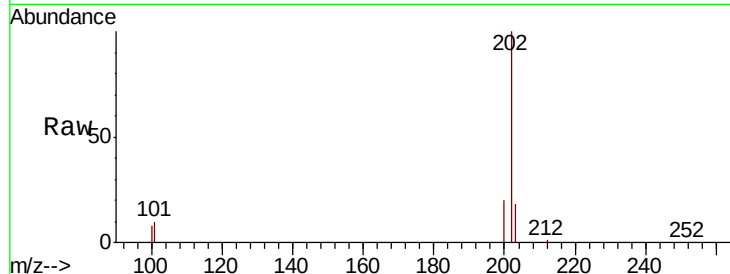
#17
Pvrene
Concen: 4.849 ng/ul
RT: 20.04 min Scan# 4543
Delta R.T. 0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Instrument :
BNA_M
ClientSampleId :
C0AW5

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.2	12.2
100	8.1	6.9	10.3

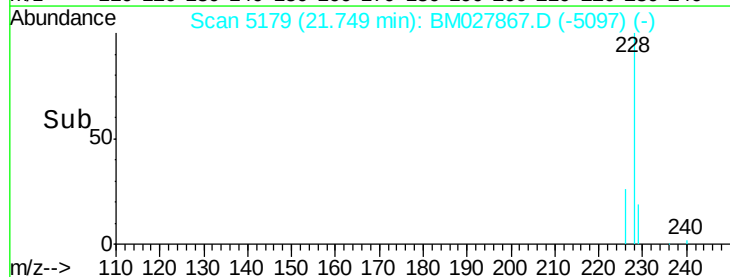
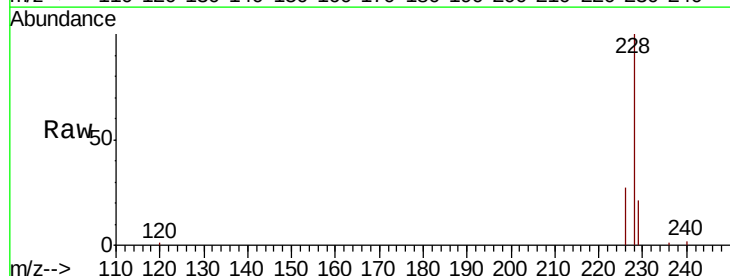
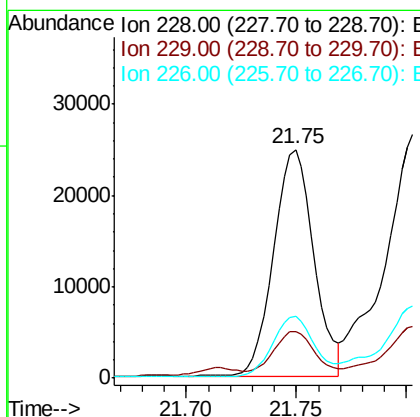
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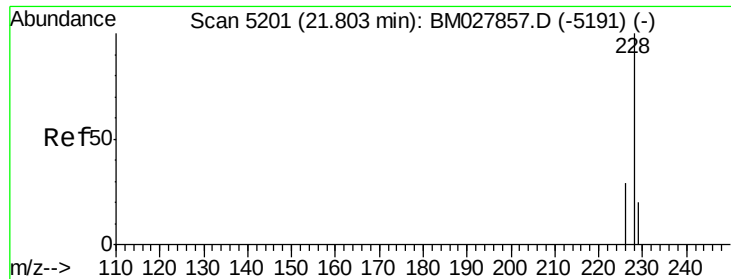
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#18
Benzo(a)anthracene
Concen: 2.299 ng/ul
RT: 21.75 min Scan# 5179
Delta R.T. -0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.2	24.4
226	26.8	21.5	32.3





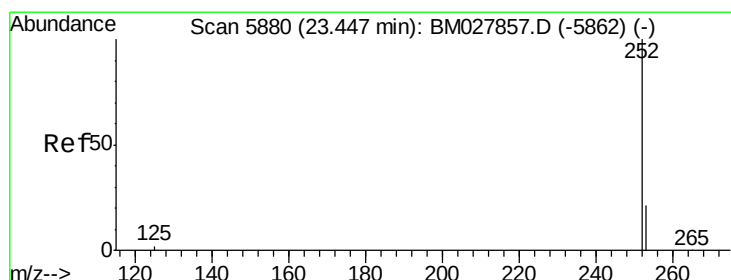
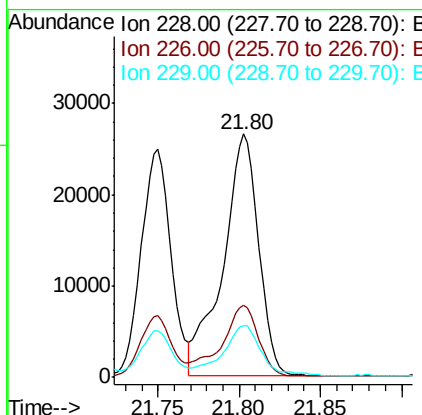
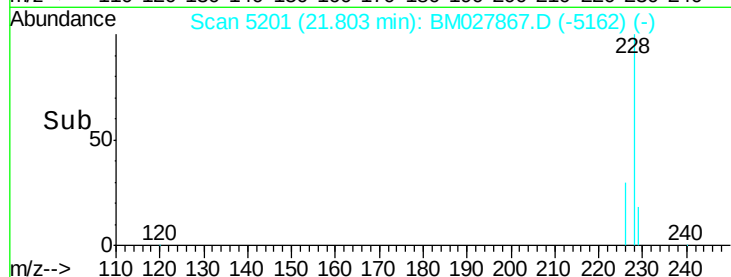
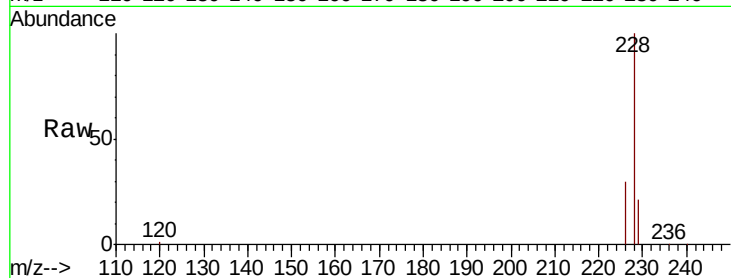
#19
Chrysene
Concen: 3.036 ng/ul
RT: 21.80 min Scan# 5201
Delta R.T. -0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Instrument :
BNA_M
ClientSampleId :
C0AW5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	21.4	16.6	24.8

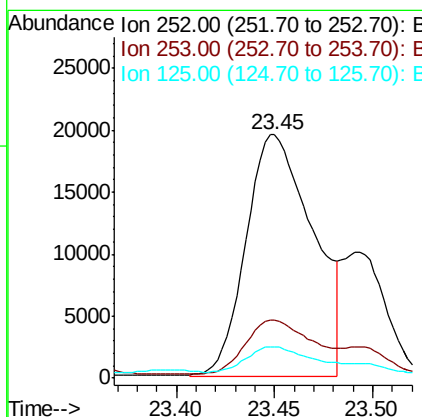
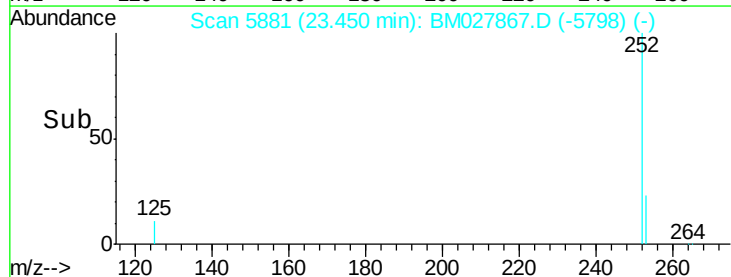
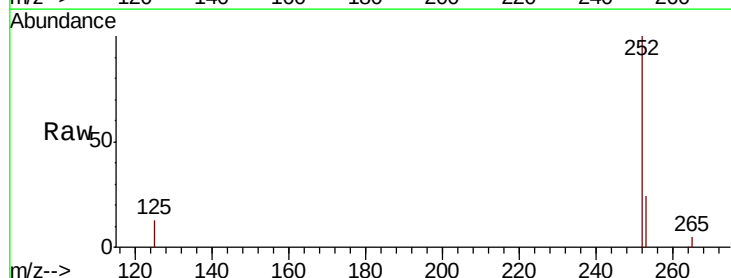
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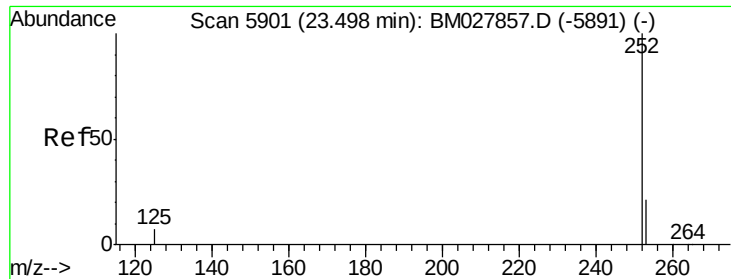
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#21
Benzo(b)fluoranthene
Concen: 4.356 ng/ul m
RT: 23.45 min Scan# 5881
Delta R.T. 0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	0.0	59.6
125	12.7	0.0	28.4





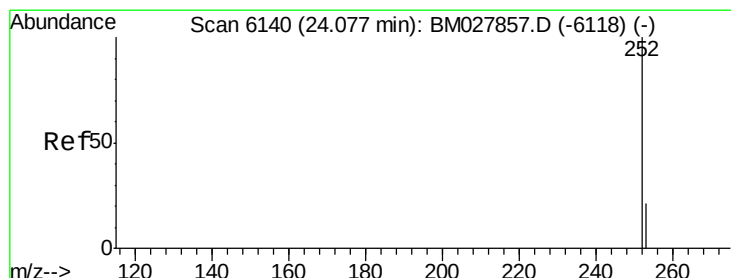
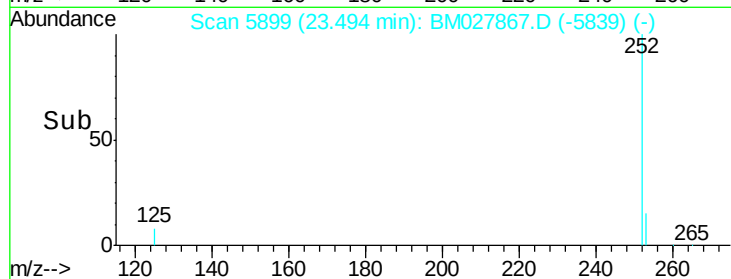
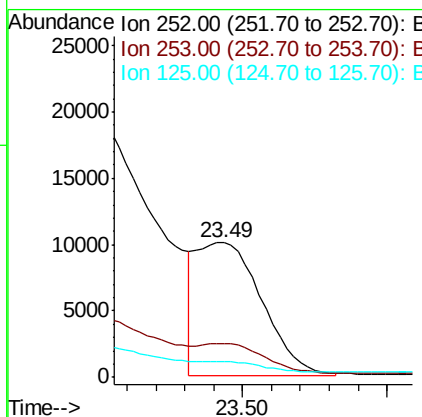
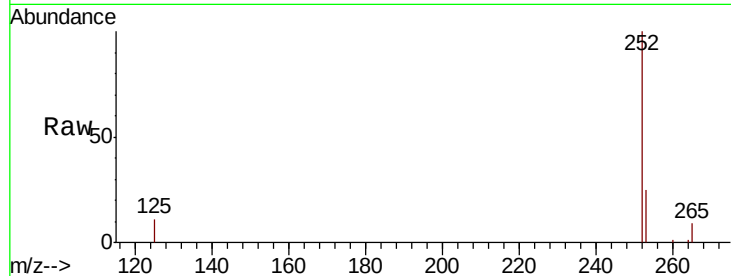
#22
Benzo(k)fluoranthene
Concen: 1.502 ng/ul
RT: 23.49 min Scan# 5899
Delta R.T. -0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Instrument :
BNA_M
ClientSampleId :
C0AW5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	23.2	34.8
125	11.4	11.8	17.6

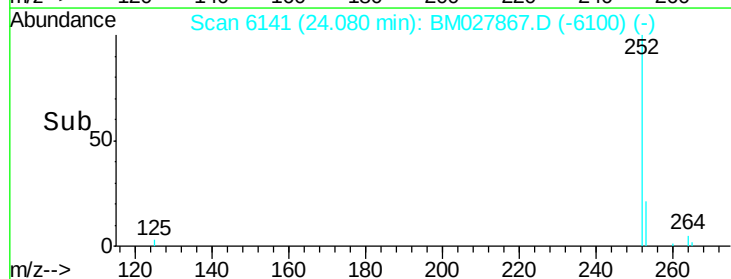
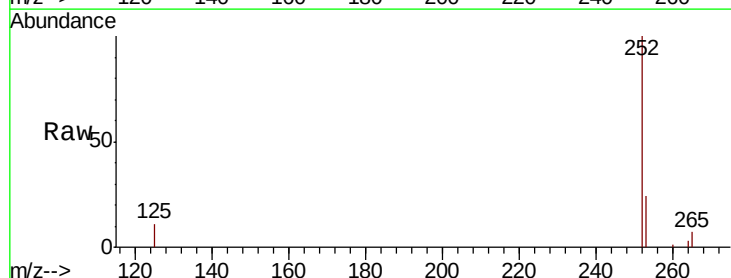
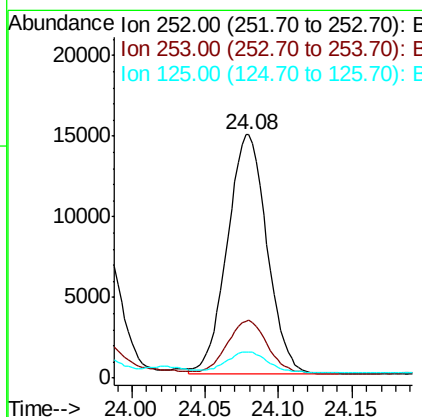
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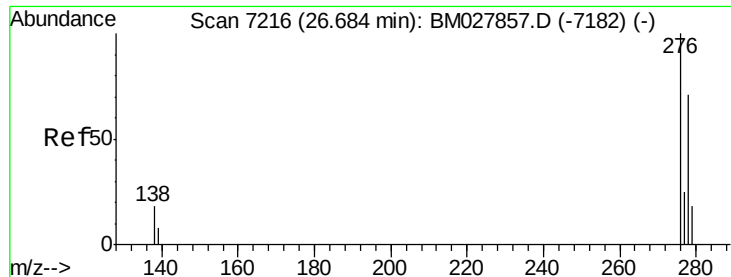
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#23
Benzo(a)pyrene
Concen: 3.028 ng/ul
RT: 24.08 min Scan# 6141
Delta R.T. 0.00 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	25.2	37.8
125	10.8	13.8	20.6





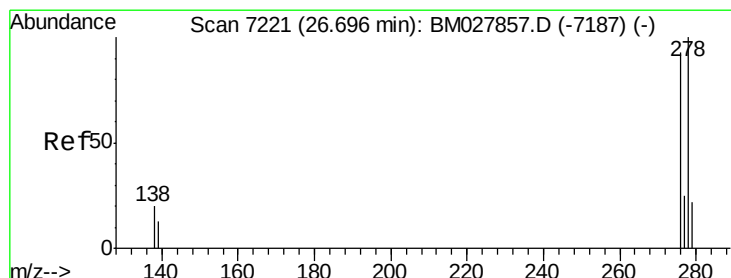
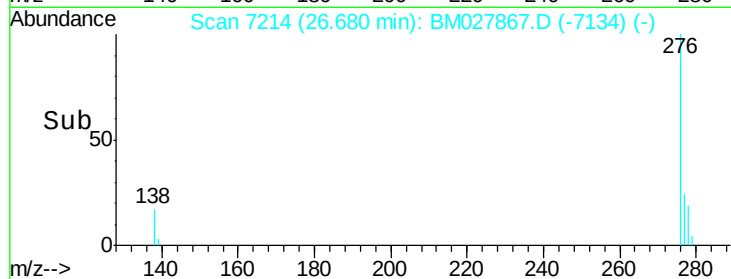
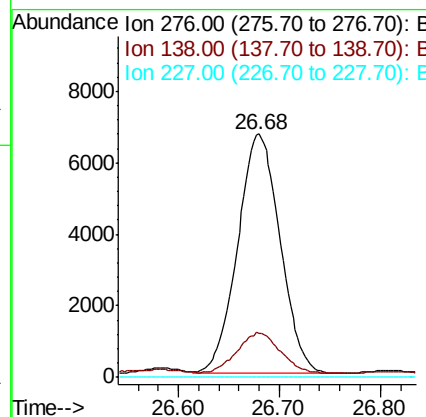
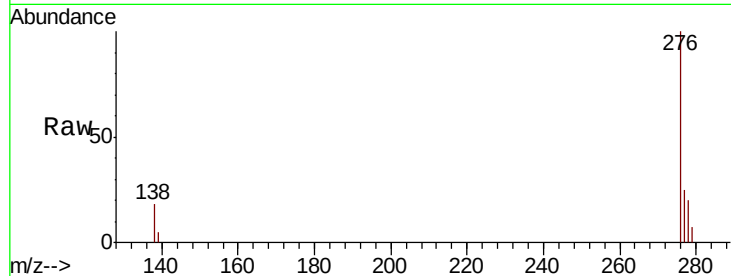
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.957 ng/ul
RT: 26.68 min Scan# 7214
Delta R.T. -0.01 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Instrument :
BNA_M
ClientSampleId :
C0AW5

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.2	15.7	23.5
227	0.0	0.0	0.0

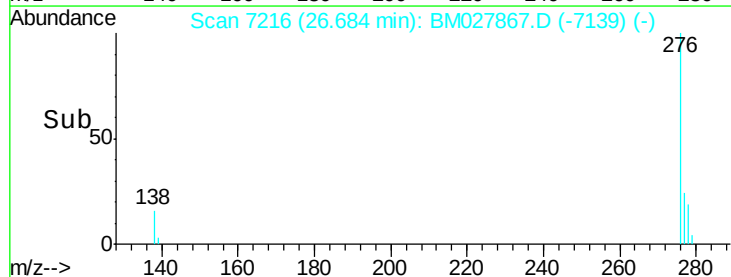
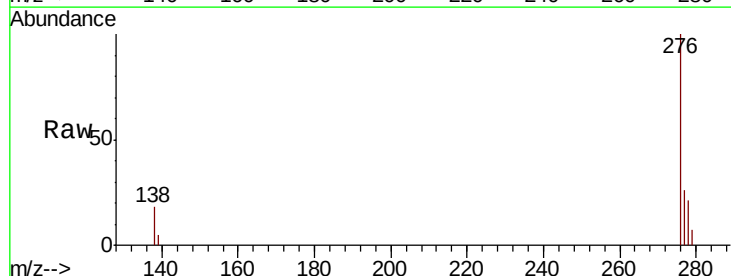
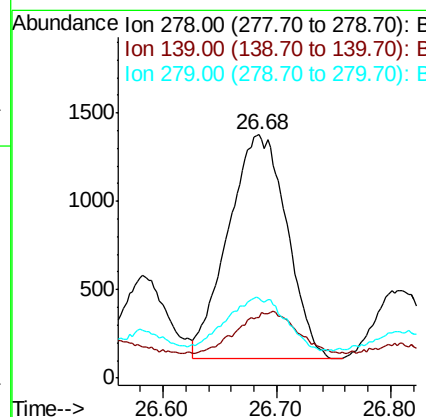
Manual Integrations
APPROVED

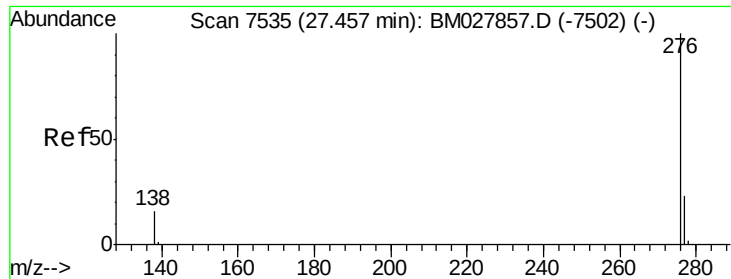
mohammad
11/24/2020 8:58:00 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.543 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.01 min
Lab File: BM027867.D
Acq: 21 Nov 2020 00:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.7	14.8	22.2#
279	32.8	25.8	38.6





#26

Benzo(a,h,i)perylene

Concen: 2.164 ng/ul

RT: 27.46 min Scan# 7535

Delta R.T. -0.00 min

Lab File: BM027867.D

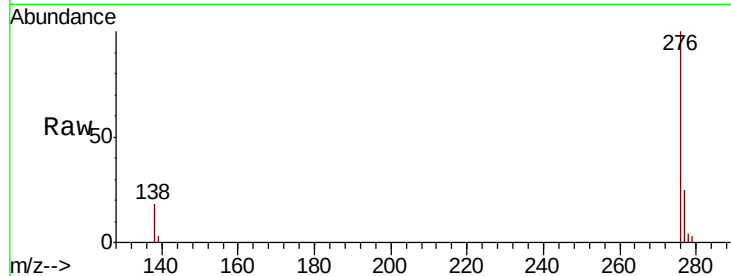
Acq: 21 Nov 2020 00:02

Instrument :

BNA_M

ClientSampleId :

C0AW5



Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	17.4	26.2
277	24.8	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:00 AM

