

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027869.D
 Acq On : 21 Nov 2020 01:15
 Operator : JU/CG
 Sample : L4710-24
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ7

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:58:03 AM

Quant Time: Nov 21 03:22:31 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	893	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	3680	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2327	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.67	188	4676	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2879	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2107	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	1104	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	2388	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	482	0.044	ng/ul#	72
5) 2-Methylnaphthalene	12.80	142	308	0.041	ng/ul	98
8) Acenaphthene	15.01	153	225	0.026	ng/ul#	93
9) Fluorene	15.98	166	269	0.027	ng/ul#	91
11) Pentachlorophenol	17.31	266	35	0.022	ng/ul	92
12) Phenanthrene	17.70	178	7748	0.525	ng/ul	99
13) Anthracene	17.79	178	1130	0.079	ng/ul#	90
15) Fluoranthene	19.68	202	20200	1.233	ng/ul	99
17) Pyrene	20.04	202	16974	1.161	ng/ul	98
18) Benzo(a)anthracene	21.75	228	6881	0.592	ng/ul	98
19) Chrysene	21.80	228	8071	0.713	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	7992m	0.903	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	2873m	0.331	ng/ul	
23) Benzo(a)pyrene	24.08	252	4906	0.634	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.68	276	3098	0.370	ng/ul#	99
25) Dibenzo(a,h)anthracene	26.69	278	800	0.115	ng/ul#	38
26) Benzo(a,h,i)perylene	27.45	276	2674	0.380	ng/ul#	93

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

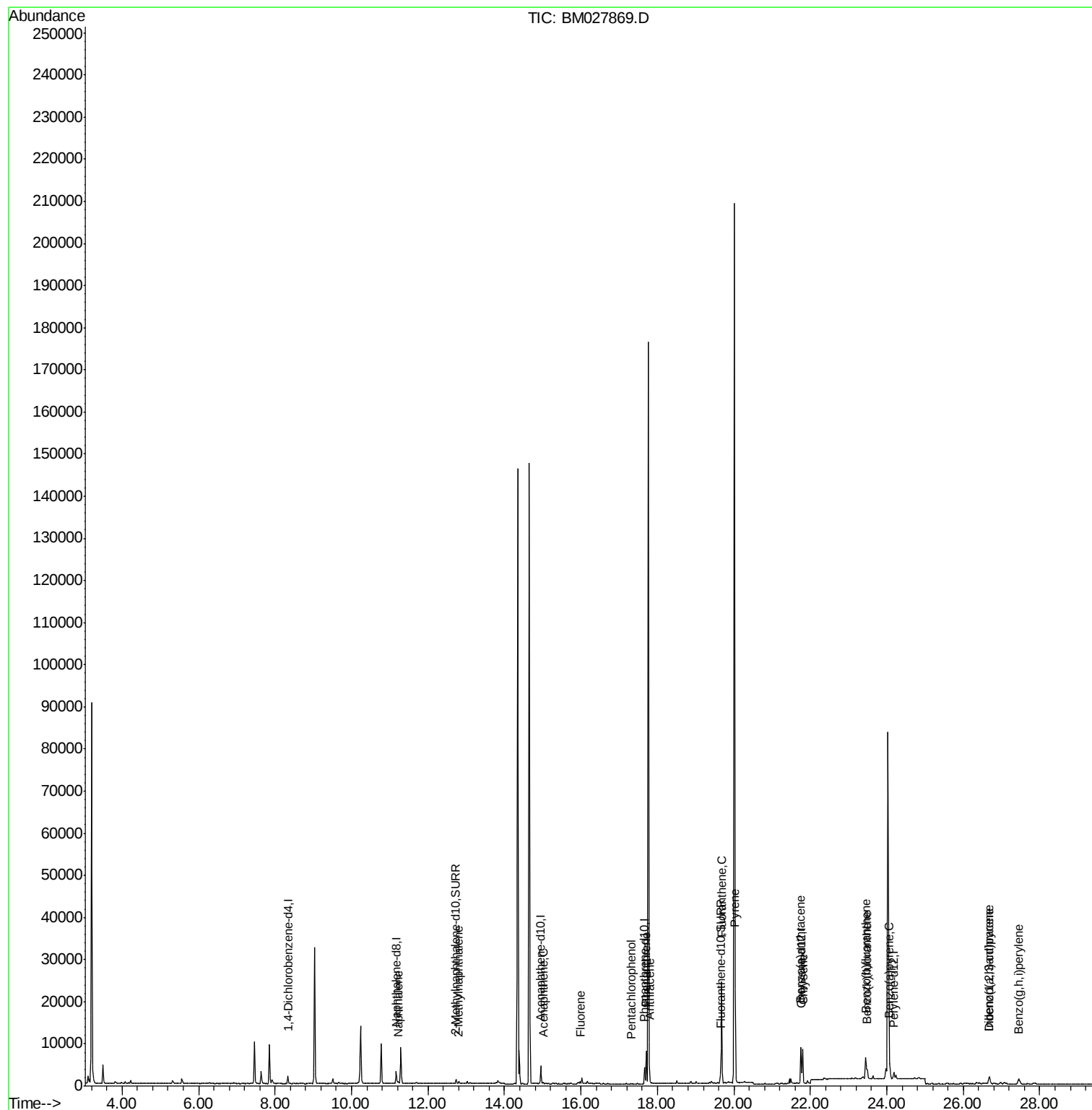
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027869.D
Acq On : 21 Nov 2020 01:15
Operator : JU/CG
Sample : L4710-24
Misc :
ALS Vial : 23 Sample Multiplier: 1

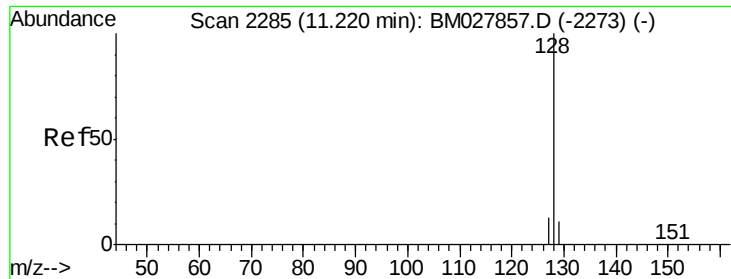
Instrument :
BNA_M
ClientSampleId :
C0AZ7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 AM

Quant Time: Nov 21 03:22:31 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





#3

Naphthalene

Concen: 0.044 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Instrument :

BNA_M

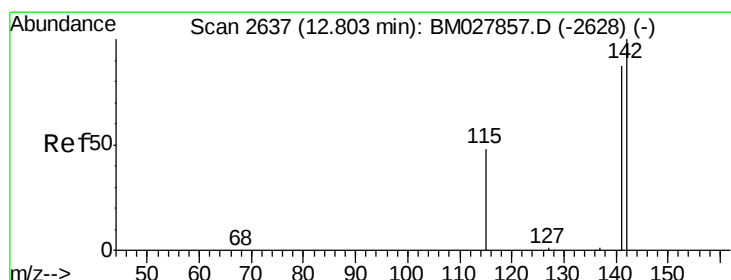
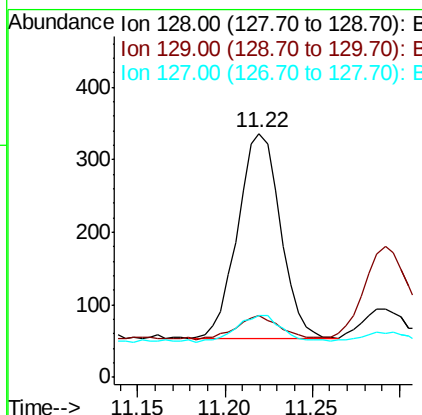
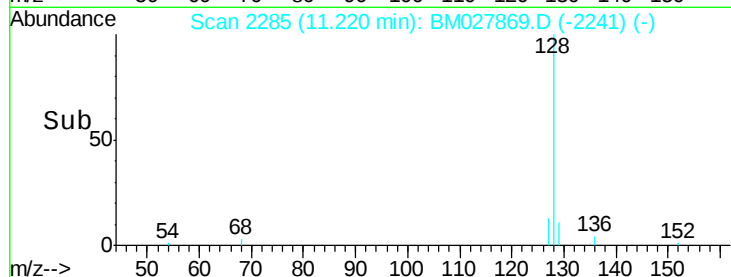
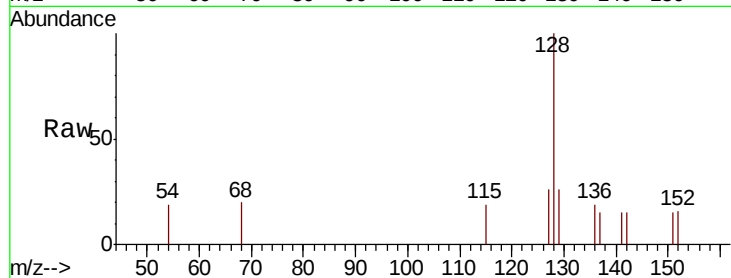
ClientSampleId :

C0AZ7

Tot Ion:	128	Resp:	482
Ion Ratio	Lower	Upper	
128	100		
129	25.6	10.4	15.6#
127	25.6	12.0	18.0#

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 AM



#5

2-Methylnaphthalene

Concen: 0.041 ng/ul

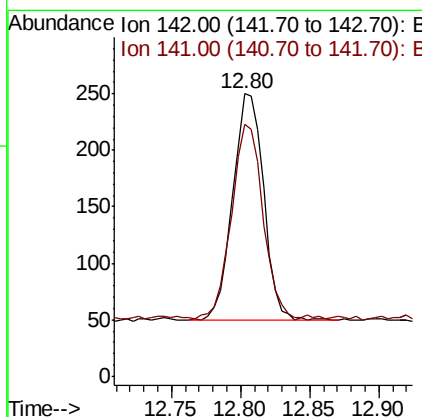
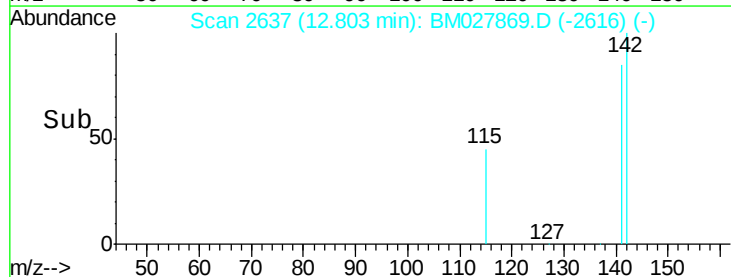
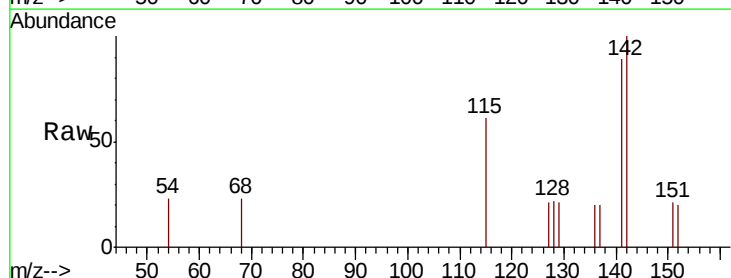
RT: 12.80 min Scan# 2637

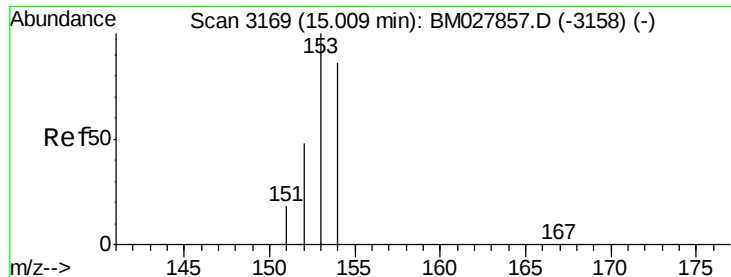
Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Tgt Ion:	142	Resp:	308
Ion Ratio	Lower	Upper	
142	100		
141	87.7	71.6	107.4





#8

Acenaphthene

Concen: 0.026 ng/ul

RT: 15.01 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Instrument :

BNA_M

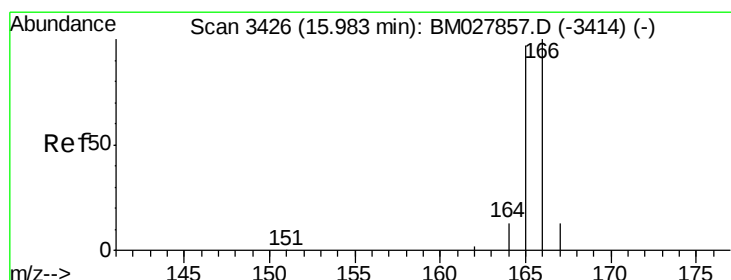
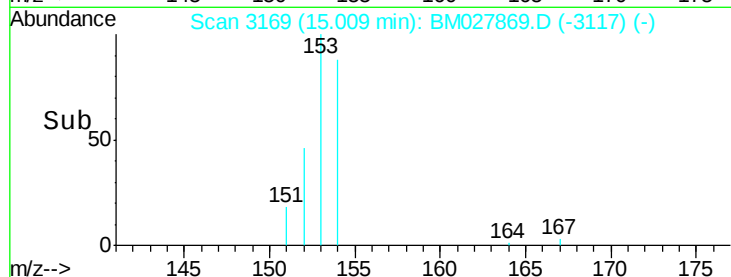
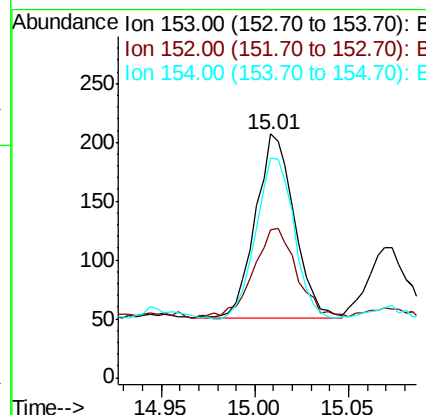
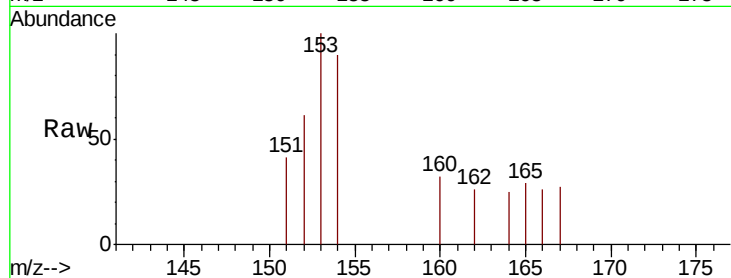
ClientSampleId :

C0AZ7

Tot Ion:	153	Resp:	225
Ion	Ratio	Lower	Upper
153	100		
152	60.9	39.0	58.6#
154	90.3	71.6	107.4

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 AM



#9

Fluorene

Concen: 0.027 ng/ul

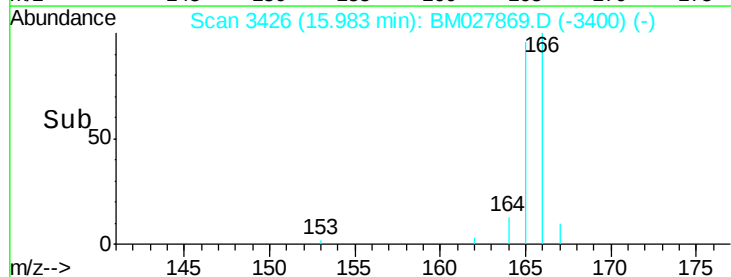
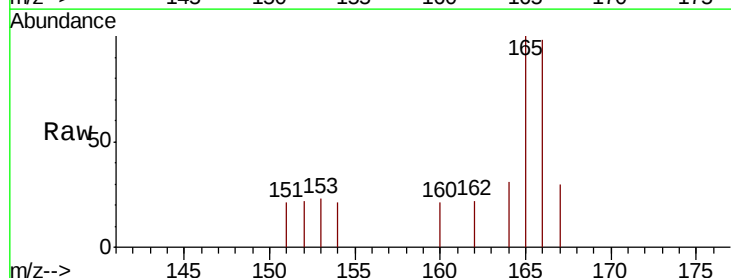
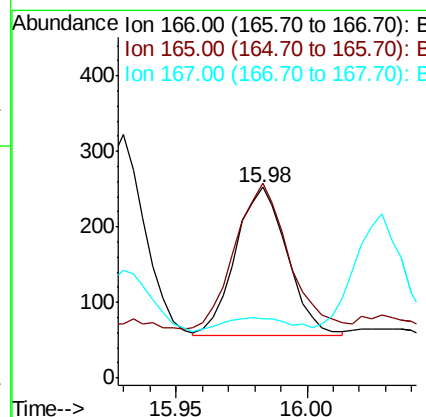
RT: 15.98 min Scan# 3426

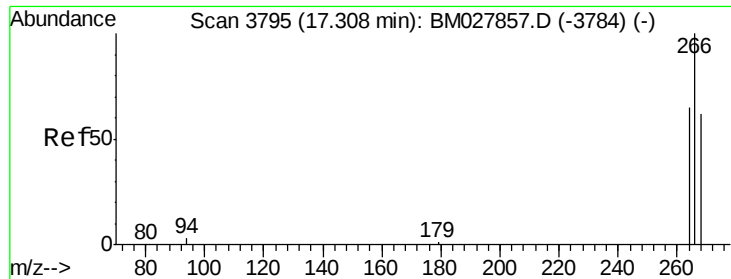
Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Tgt Ion:	166	Resp:	269
Ion	Ratio	Lower	Upper
166	100		
165	102.4	78.1	117.1
167	31.0	11.8	17.8#





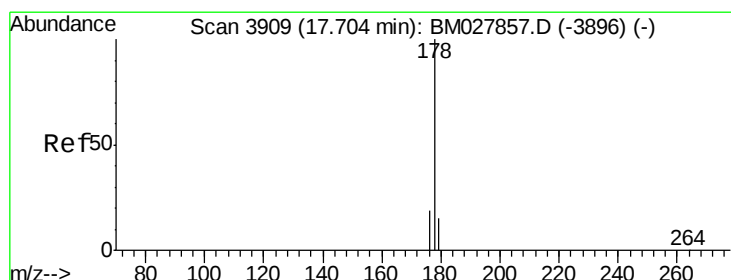
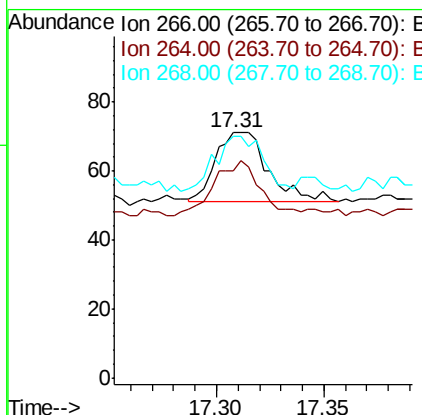
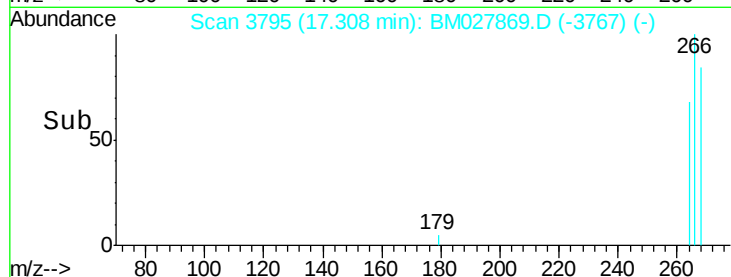
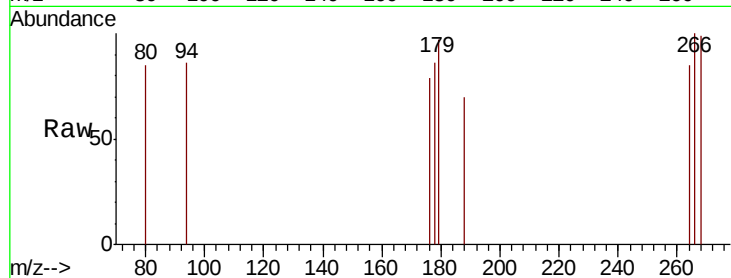
#11
 Pentachlorophenol
 Concen: 0.022 ng/ul
 RT: 17.31 min Scan# 3795
 Delta R.T. -0.00 min
 Lab File: BM027869.D
 Acq: 21 Nov 2020 01:15

Instrument :
 BNA_M
 ClientSampleId :
 C0AZ7

Tot Ion:	266	Resp:	35
Ion	Ratio	Lower	Upper
266	100		
264	68.6	49.6	74.4
268	71.4	52.1	78.1

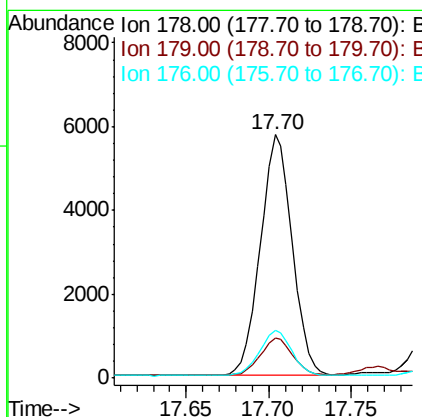
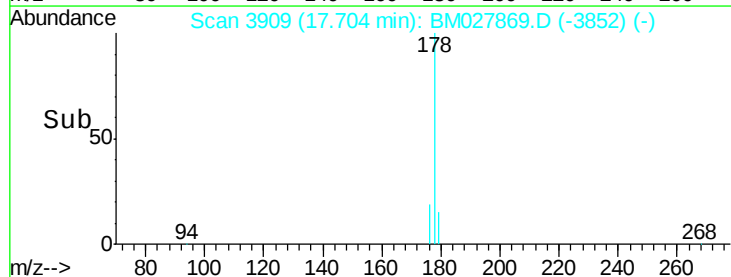
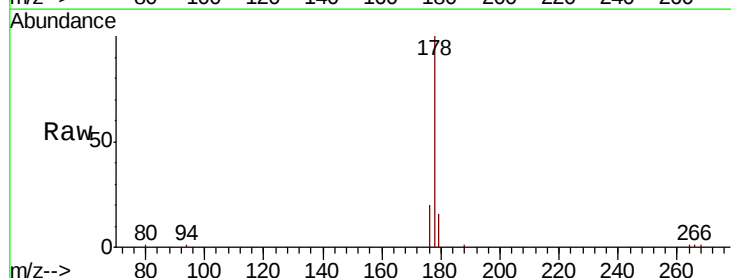
Manual Integrations
 APPROVED

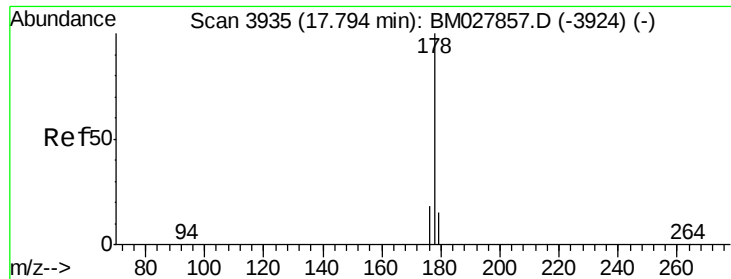
mohammad
 11/24/2020 8:58:03 AM



#12
 Phenanthrene
 Concen: 0.525 ng/ul
 RT: 17.70 min Scan# 3909
 Delta R.T. -0.00 min
 Lab File: BM027869.D
 Acq: 21 Nov 2020 01:15

Tgt Ion:	178	Resp:	7748
Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.6	20.4
176	19.7	16.1	24.1





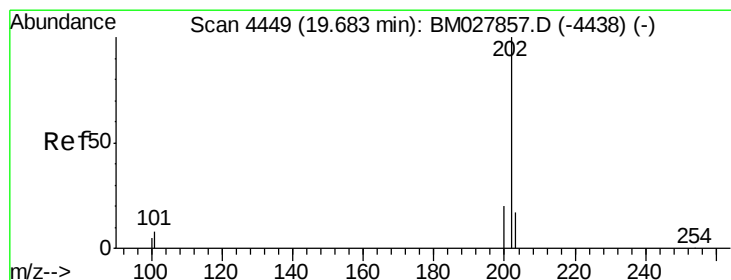
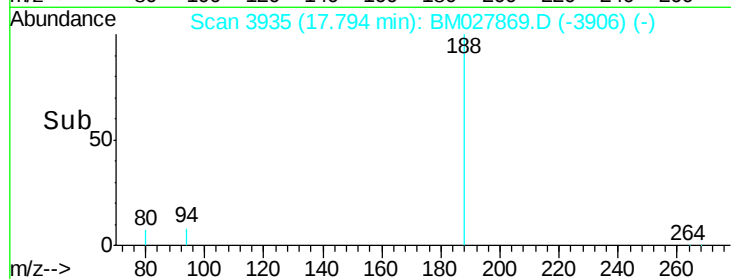
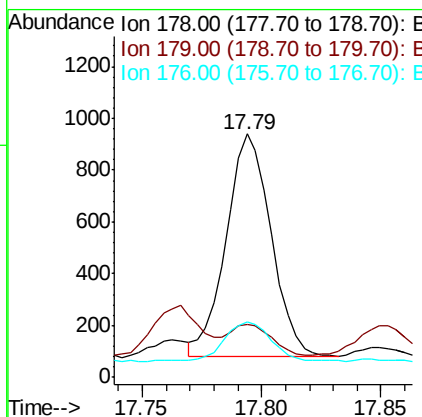
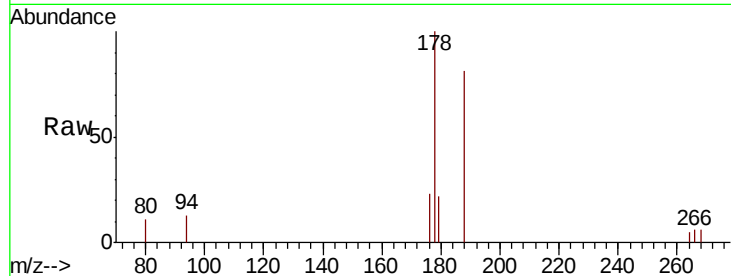
#13
 Anthracene
 Concen: 0.079 ng/ul
 RT: 17.79 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BM027869.D
 Acq: 21 Nov 2020 01:15

Instrument :
 BNA_M
 ClientSampleId :
 C0A27

Tot Ion	Ratio	Lower	Upper
178	100		
179	21.9	13.4	20.2#
176	22.7	15.0	22.6#

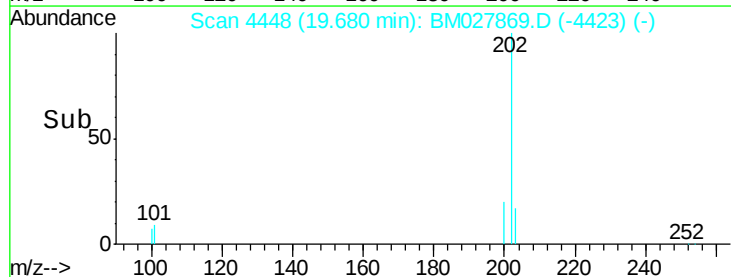
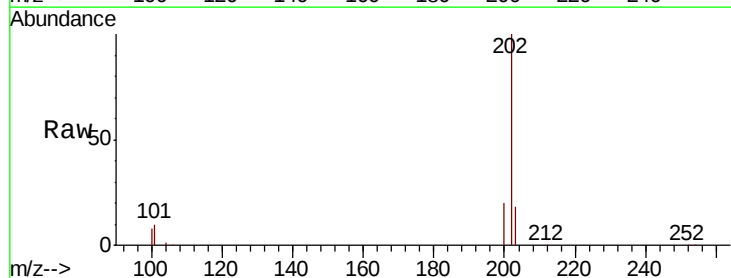
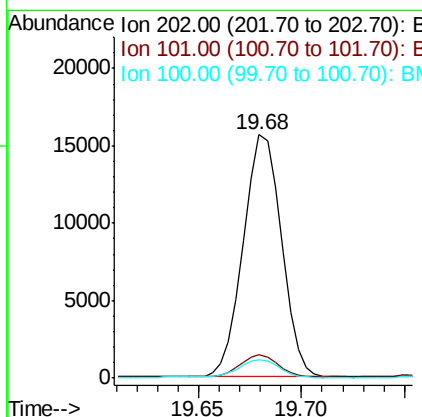
Manual Integrations
 APPROVED

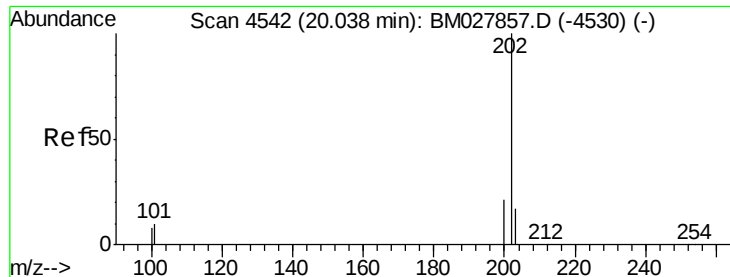
mohammad
 11/24/2020 8:58:03 AM



#15
 Fluoranthene
 Concen: 1.233 ng/ul
 RT: 19.68 min Scan# 4448
 Delta R.T. -0.00 min
 Lab File: BM027869.D
 Acq: 21 Nov 2020 01:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.3
100	7.6	0.0	27.4





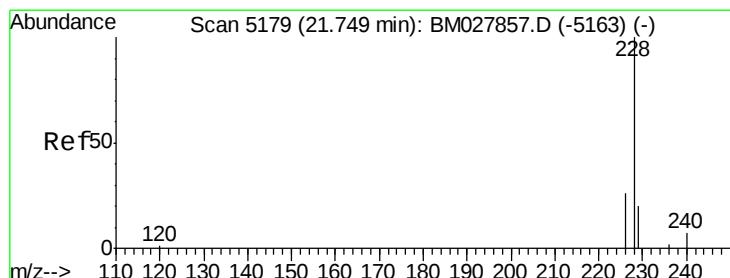
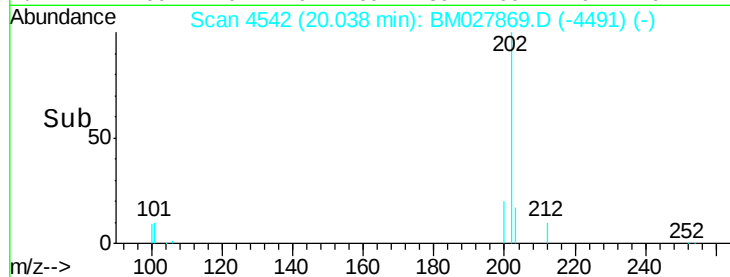
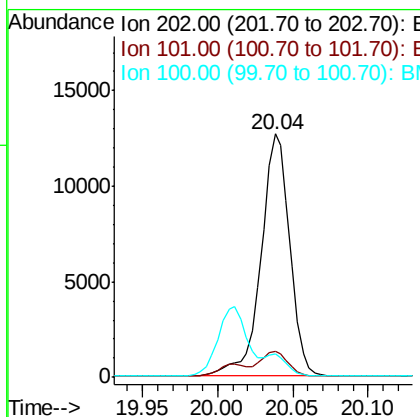
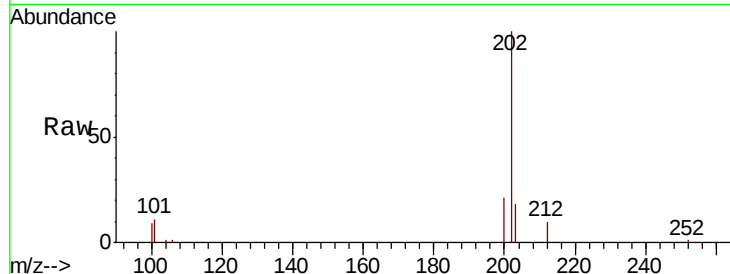
#17
Pvrene
Concen: 1.161 ng/ul
RT: 20.04 min Scan# 4542
Delta R.T. -0.00 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Instrument :
BNA_M
ClientSampleId :
C0AZ7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	8.2	12.2
100	9.4	6.9	10.3

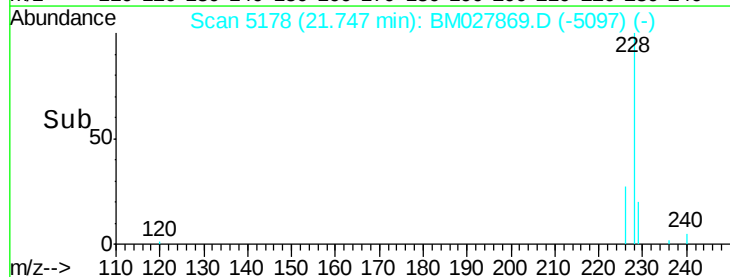
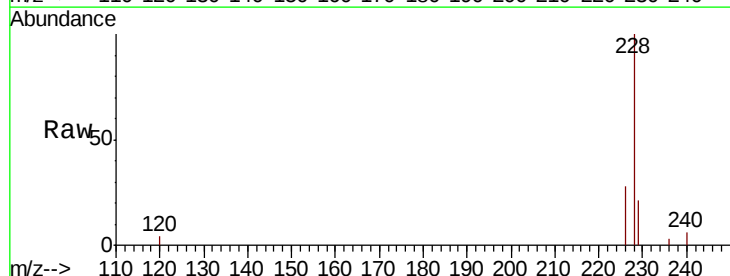
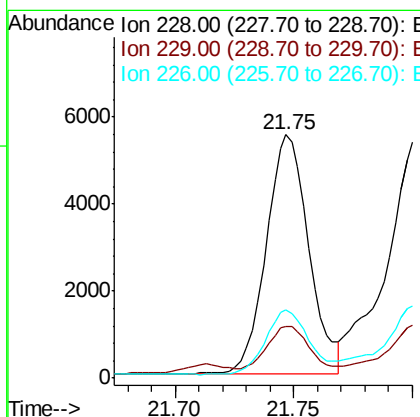
Manual Integrations
APPROVED

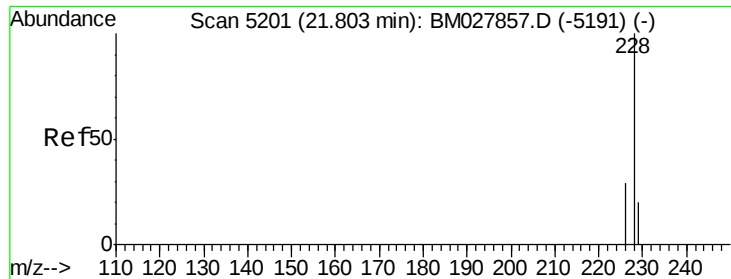
mohammad
11/24/2020 8:58:03 AM



#18
Benzo(a)anthracene
Concen: 0.592 ng/ul
RT: 21.75 min Scan# 5178
Delta R.T. -0.00 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.4	16.2	24.4
226	28.1	21.5	32.3





#19

Chrysene

Concen: 0.713 ng/ul

RT: 21.80 min Scan# 5201

Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Instrument :

BNA_M

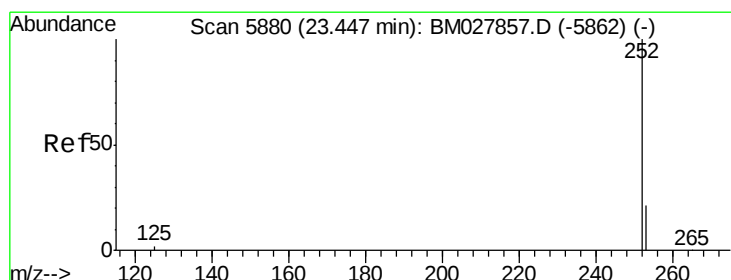
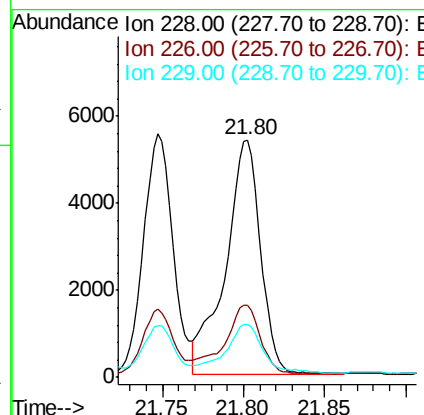
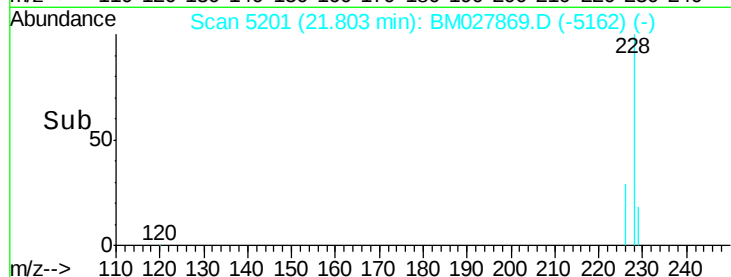
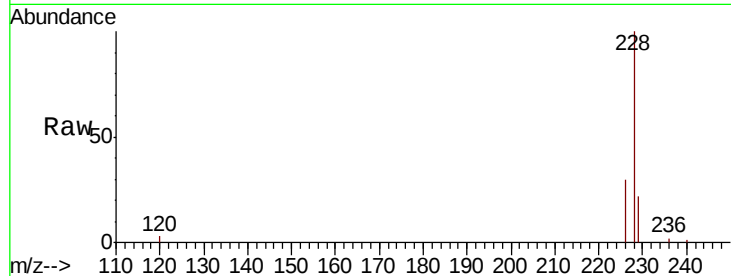
ClientSampleId :

C0A27

Tot Ion:	228	Resp:	8071
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	22.2	16.6	24.8

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 AM



#21

Benzo(b)fluoranthene

Concen: 0.903 ng/ul m

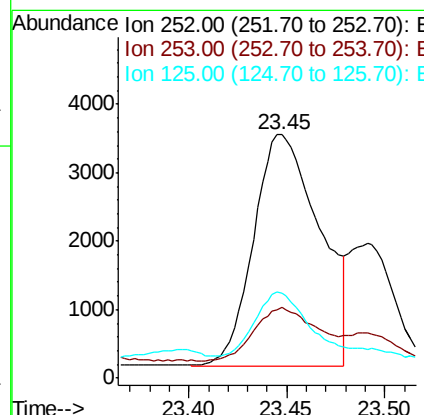
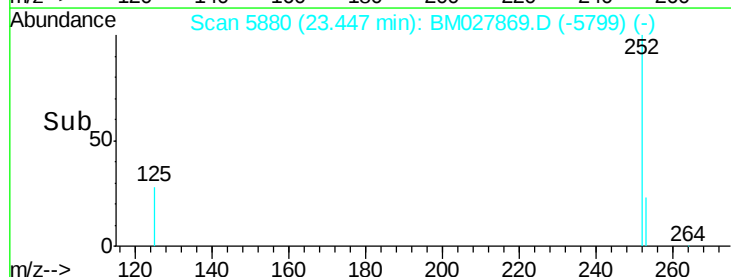
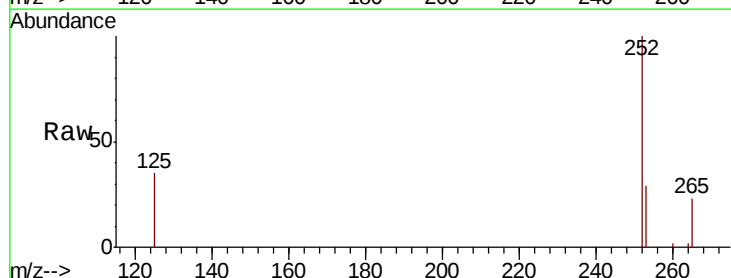
RT: 23.45 min Scan# 5880

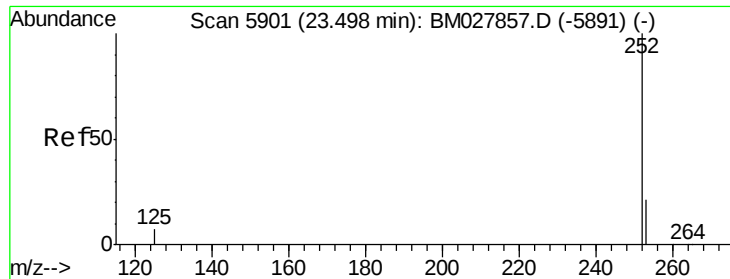
Delta R.T. -0.00 min

Lab File: BM027869.D

Acq: 21 Nov 2020 01:15

Tgt Ion:	252	Resp:	7992
Ion	Ratio	Lower	Upper
252	100		
253	28.9	0.0	59.6
125	34.9	0.0	28.4#





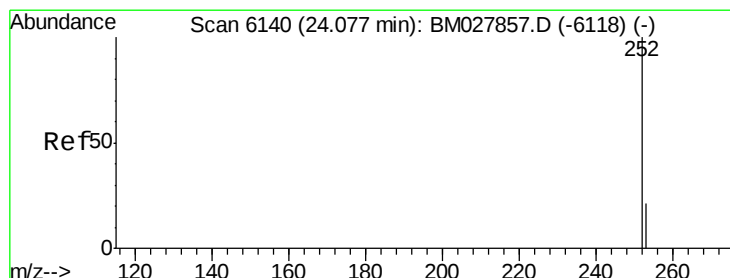
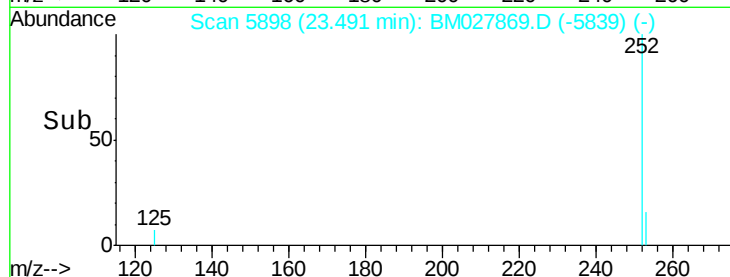
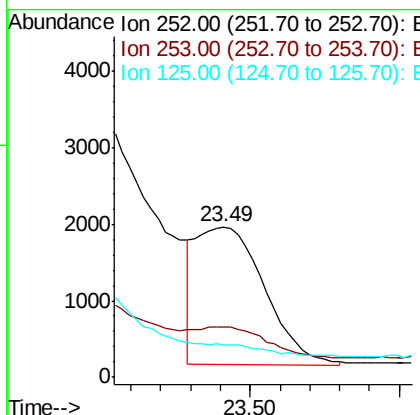
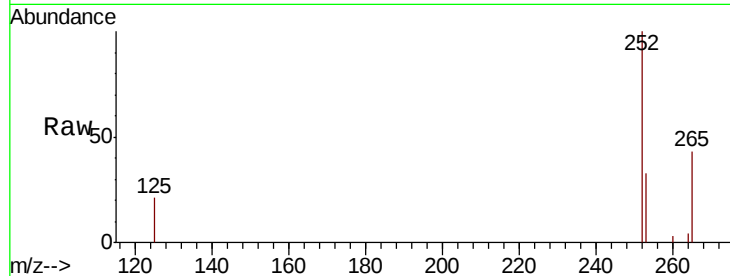
#22
Benzo(k)fluoranthene
Concen: 0.331 ng/u1 m
RT: 23.49 min Scan# 5898
Delta R.T. -0.01 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Instrument :
BNA_M
ClientSampleId :
C0AZ7

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.4	23.2	34.8
125	21.5	11.8	17.6

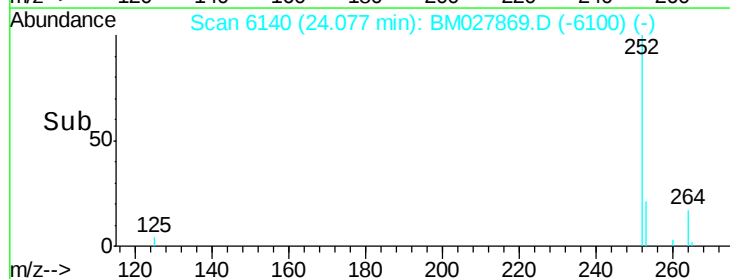
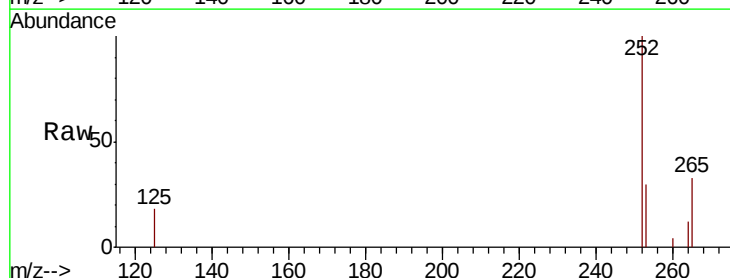
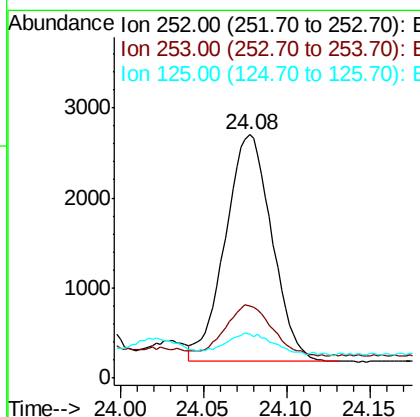
Manual Integrations
APPROVED

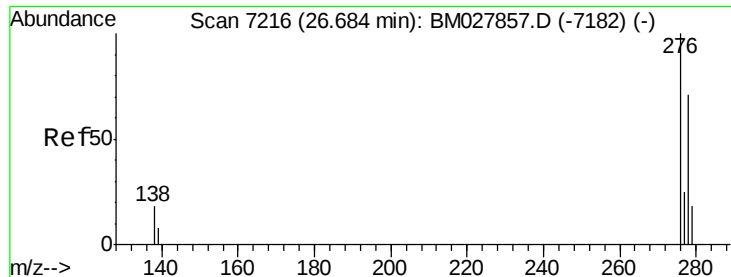
mohammad
11/24/2020 8:58:03 AM



#23
Benzo(a)pyrene
Concen: 0.634 ng/u1
RT: 24.08 min Scan# 6140
Delta R.T. -0.00 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	25.2	37.8
125	17.9	13.8	20.6





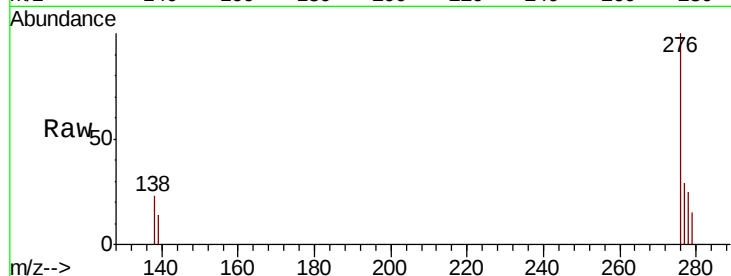
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng/uL
RT: 26.68 min Scan# 7213
Delta R.T. -0.01 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Instrument :
BNA_M
ClientSampled :
C0AZ7

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	15.7	23.5
227	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 AM

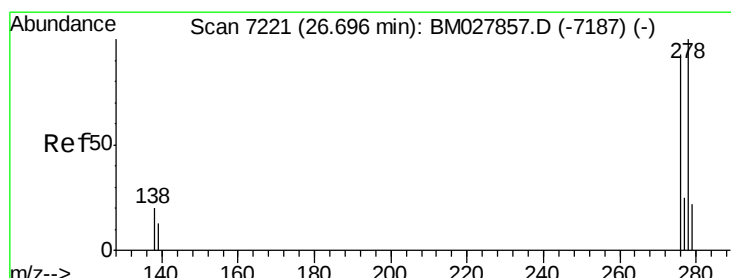
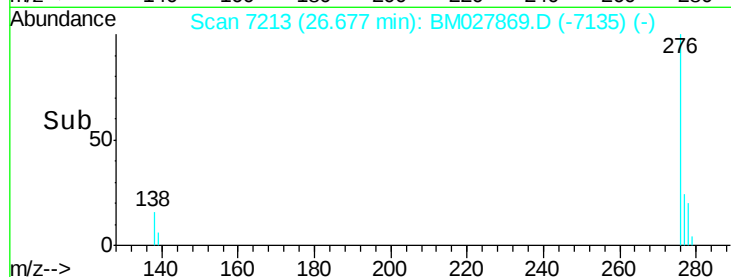
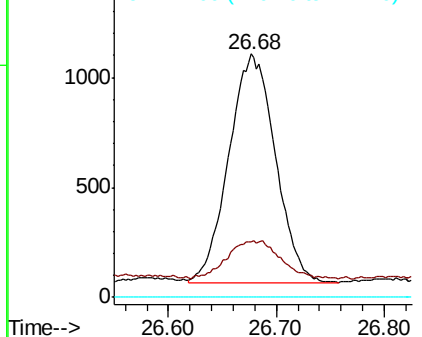


Abundance

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: 0.115 ng/uL
RT: 26.69 min Scan# 7217
Delta R.T. -0.01 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

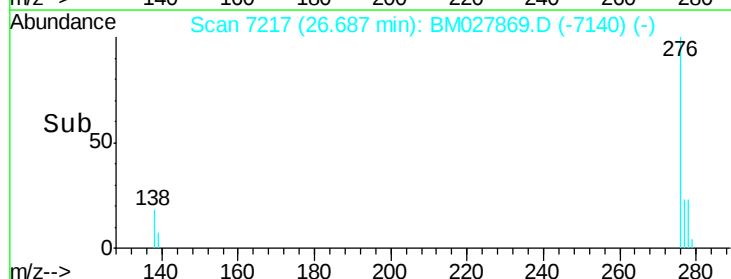
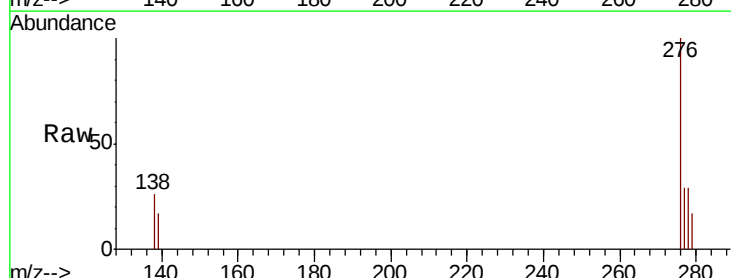
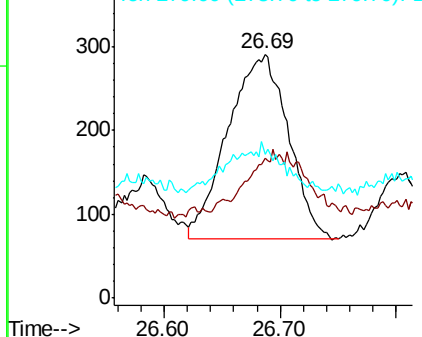
Tgt Ion	Ratio	Lower	Upper
278	100		
139	57.4	14.8	22.2#
279	58.8	25.8	38.6#

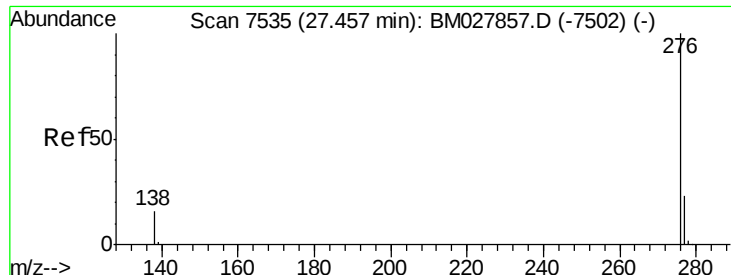
Abundance

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





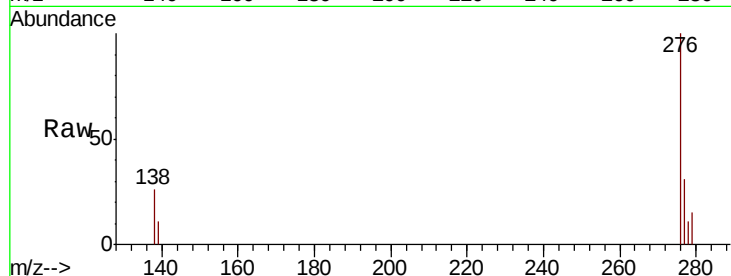
#26
Benzo(a,h,i)perylene
Concen: 0.380 ng/ul
RT: 27.45 min Scan# 7534
Delta R.T. -0.01 min
Lab File: BM027869.D
Acq: 21 Nov 2020 01:15

Instrument :
BNA_M
ClientSampleId :
C0AZ7

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	17.4	26.2#
277	30.9	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/24/2020 8:58:03 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

