

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027902.D
 Acq On : 22 Nov 2020 05:01
 Operator : JU/CG
 Sample : L4711-14
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B66

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:59:35 AM

Quant Time: Nov 23 06:05:18 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 05:39:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1106	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4362	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2638	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4440m	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2349	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2093	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	2269	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	3367	0.28	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.22	128	560	0.043	ng/ul#	76
5) 2-Methylnaphthalene	12.80	142	373	0.042	ng/ul	98
7) Acenaphthylene	14.67	152	435	0.034	ng/ul#	65
8) Acenaphthene	15.01	153	458	0.047	ng/ul#	92
9) Fluorene	15.98	166	472	0.042	ng/ul#	96
12) Phenanthrene	17.70	178	15729	1.121	ng/ul	98
13) Anthracene	17.79	178	2156	0.159	ng/ul	94
15) Fluoranthene	19.68	202	38468	2.474	ng/ul	100
17) Pyrene	20.04	202	30656	2.570	ng/ul	99
18) Benzo(a)anthracene	21.74	228	12450	1.314	ng/ul	99
19) Chrysene	21.80	228	16207	1.756	ng/ul	99
21) Benzo(b)fluoranthene	23.45	252	19066m	2.168	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	6825m	0.792	ng/ul	
23) Benzo(a)pyrene	24.07	252	11991	1.559	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.68	276	8906	1.070	ng/ul#	98
25) Dibenzo(a,h)anthracene	26.68	278	2214	0.319	ng/ul#	67
26) Benzo(a,h,i)perylene	27.45	276	8599	1.231	ng/ul	98

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

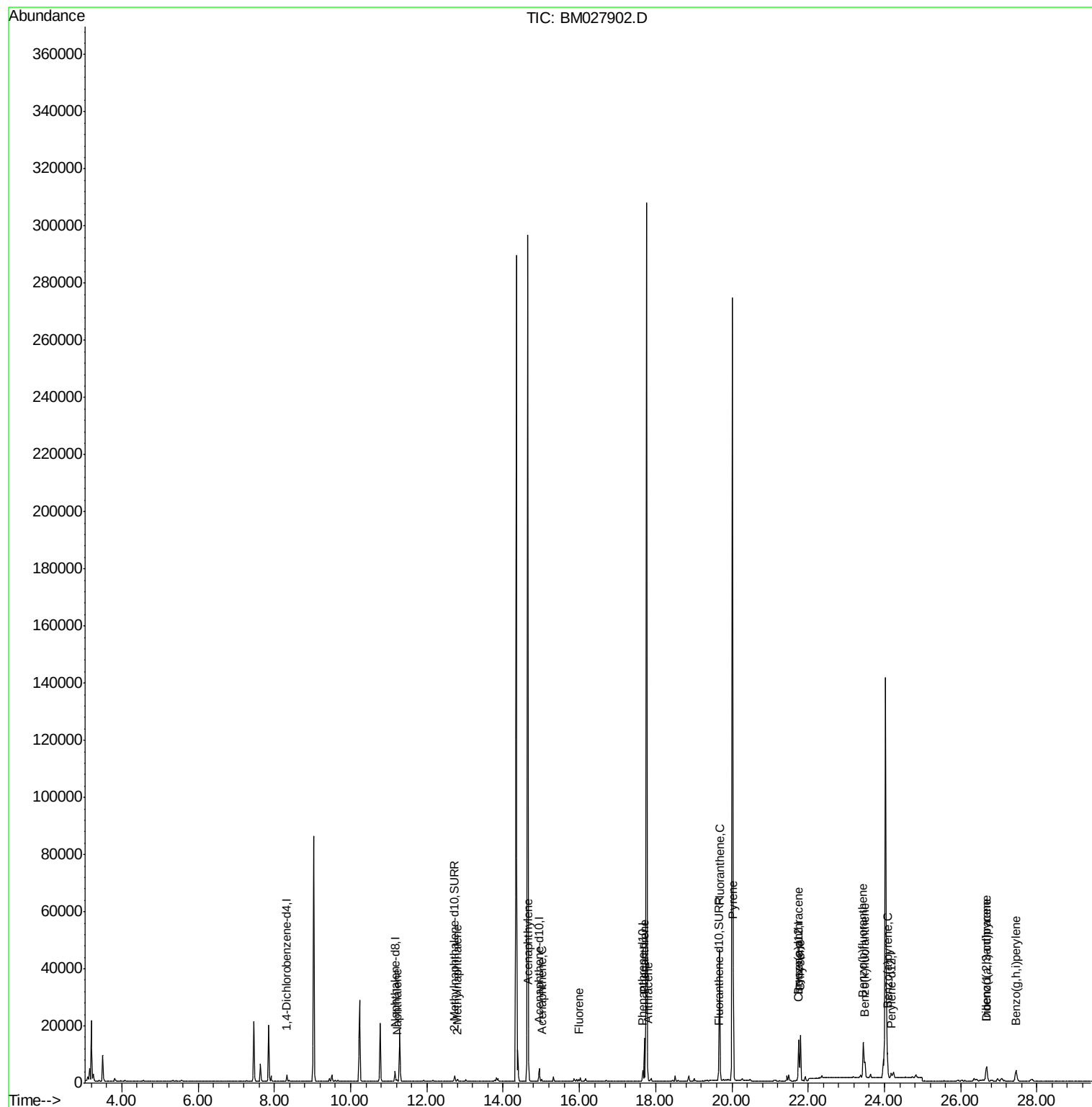
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
Data File : BM027902.D
Acq On : 22 Nov 2020 05:01
Operator : JU/CG
Sample : L4711-14
Misc :
ALS Vial : 56 Sample Multiplier: 1

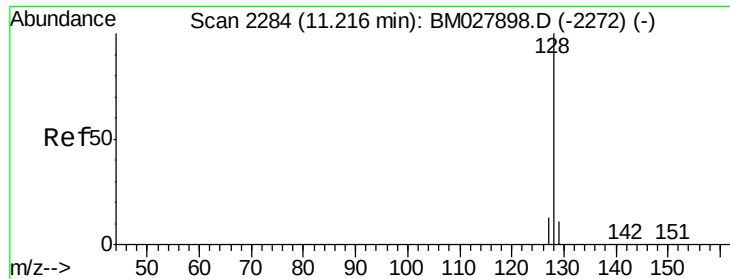
Instrument :
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Quant Time: Nov 23 06:05:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 23 05:39:07 2020
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#3

Naphthalene

Concen: 0.043 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

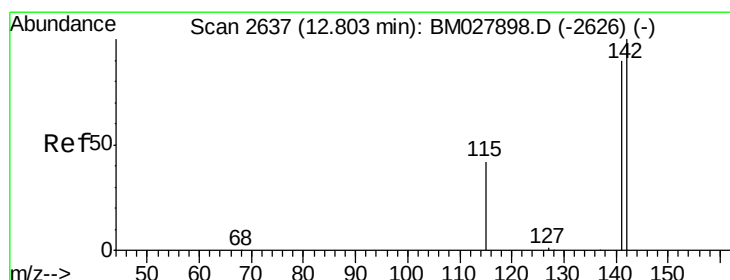
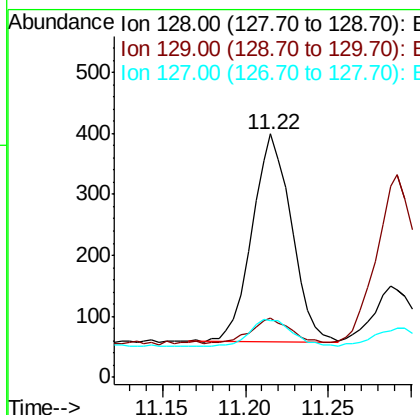
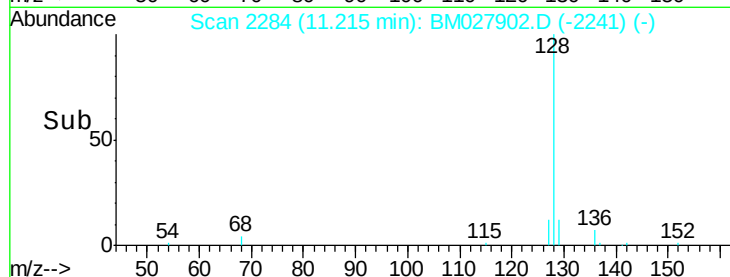
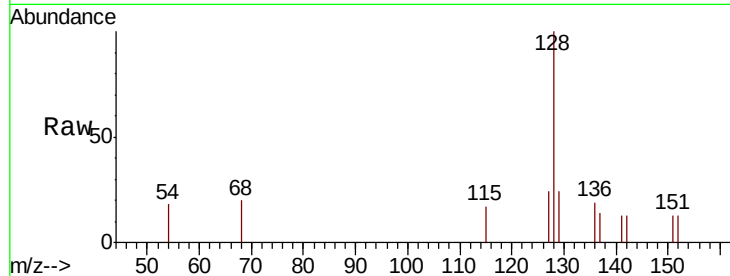
ClientSampled :

C0B66

Tot Ion:	128	Resp:	560
Ion	Ratio	Lower	Upper
128	100		
129	24.3	10.4	15.6#
127	23.6	12.0	18.0#

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#5

2-Methylnaphthalene

Concen: 0.042 ng/ul

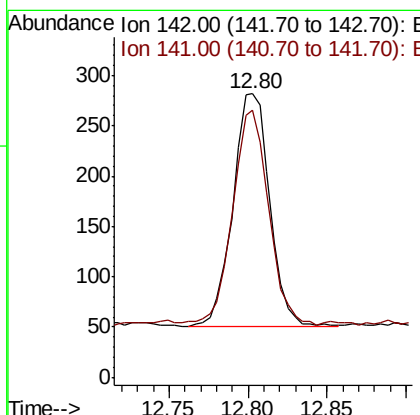
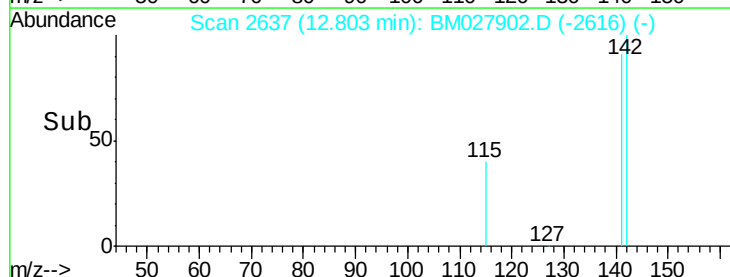
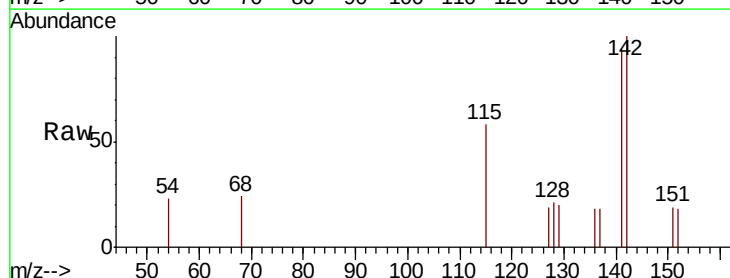
RT: 12.80 min Scan# 2637

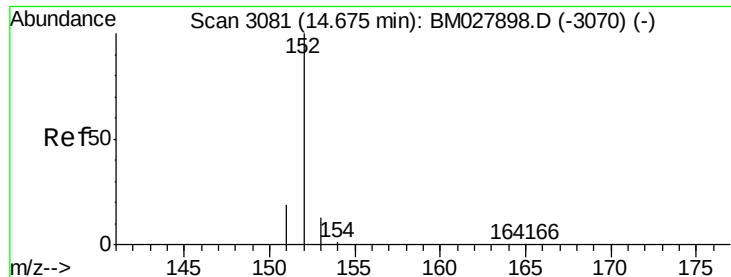
Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Tgt Ion:	142	Resp:	373
Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.6	107.4





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 14.67 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

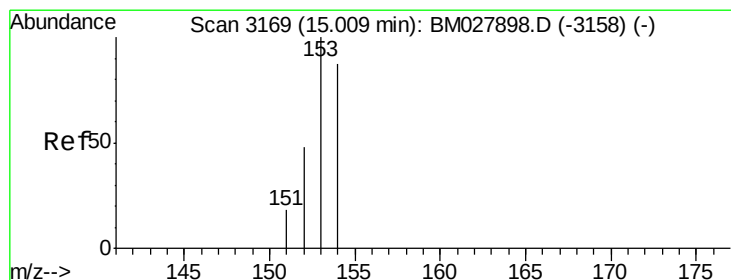
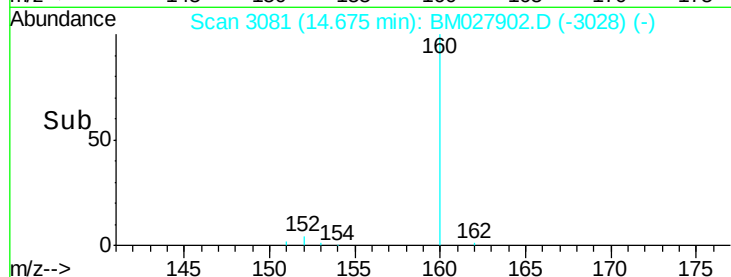
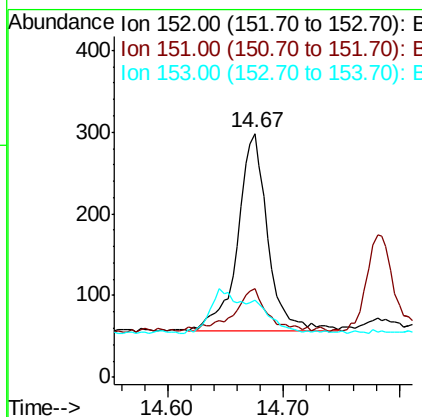
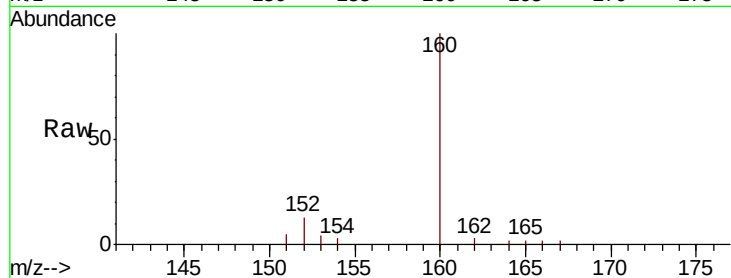
ClientSampleId :

C0B66

Tot Ion:	152	Resp:	435
Ion Ratio	Lower	Upper	
152	100		
151	36.2	17.1	25.7#
153	31.5	12.0	18.0#

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#8

Acenaphthene

Concen: 0.047 ng/ul

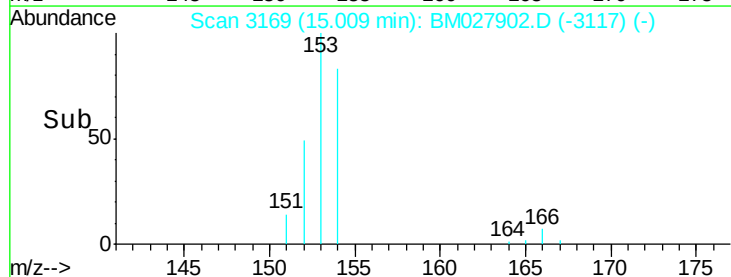
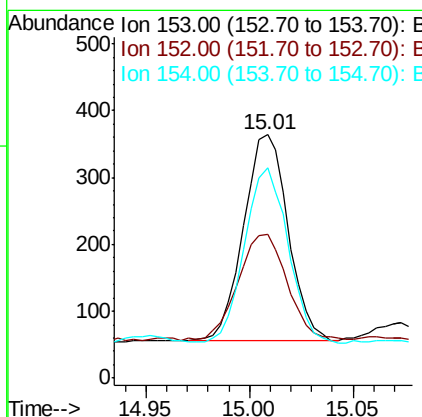
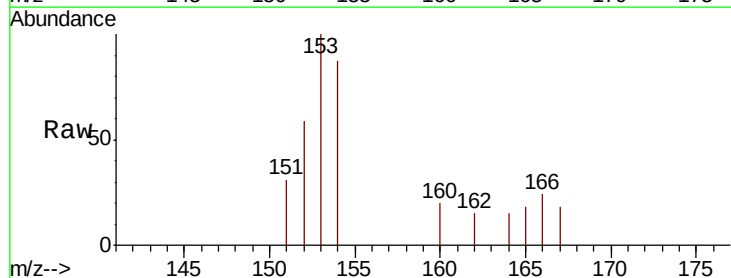
RT: 15.01 min Scan# 3169

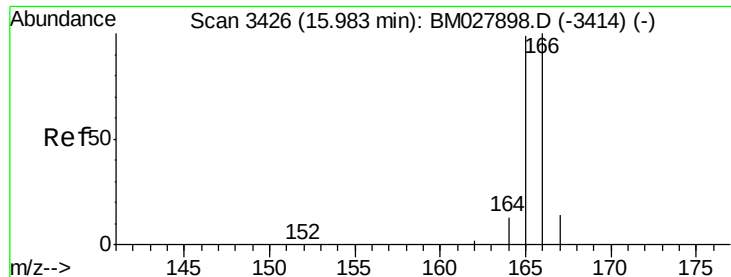
Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Tgt Ion:	153	Resp:	458
Ion Ratio	Lower	Upper	
153	100		
152	59.3	39.0	58.6#
154	86.5	71.6	107.4





#9

Fluorene

Concen: 0.042 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

ClientSampleId :

C0B66

Tot Ion:166 Resp: 472

Ion Ratio Lower Upper

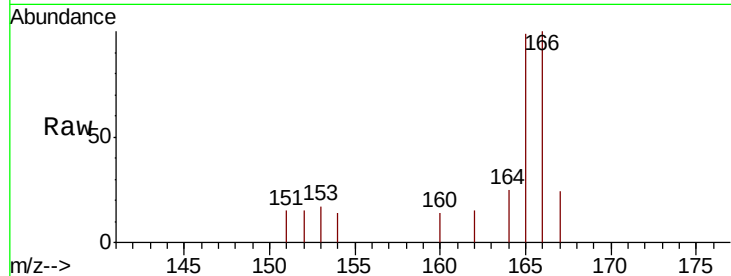
166 100

165 98.8 78.1 117.1

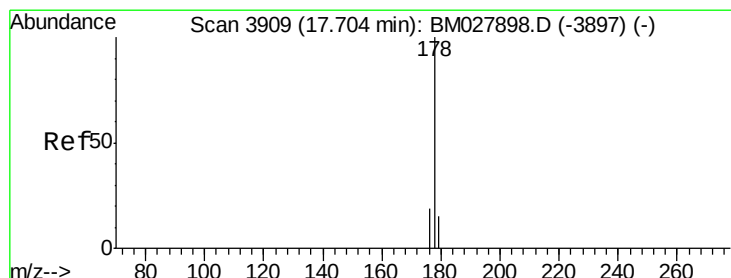
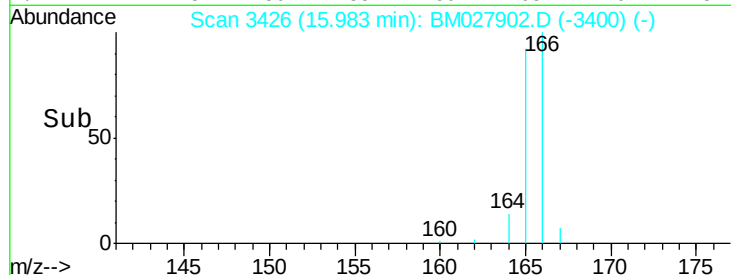
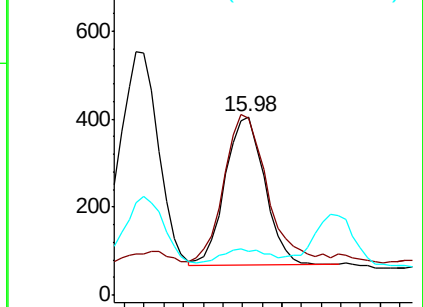
167 24.4 11.8 17.8#

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 1.121 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

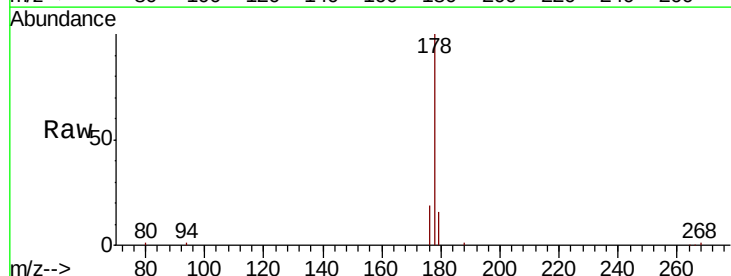
Tgt Ion:178 Resp: 15729

Ion Ratio Lower Upper

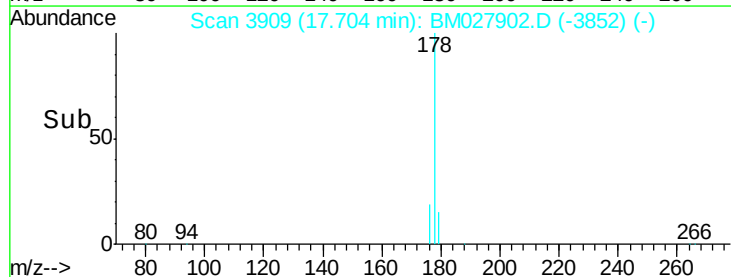
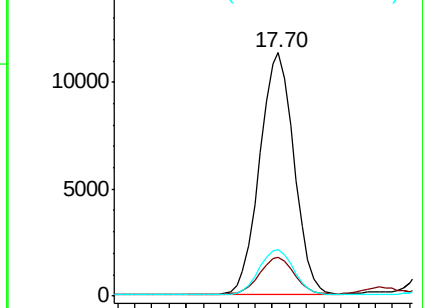
178 100

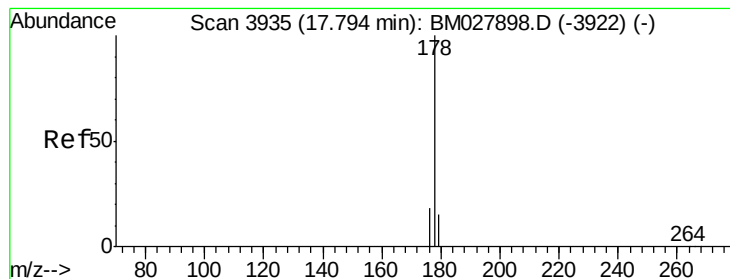
179 15.8 13.6 20.4

176 19.2 16.1 24.1



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





#13

Anthracene

Concen: 0.159 ng/ul

RT: 17.79 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

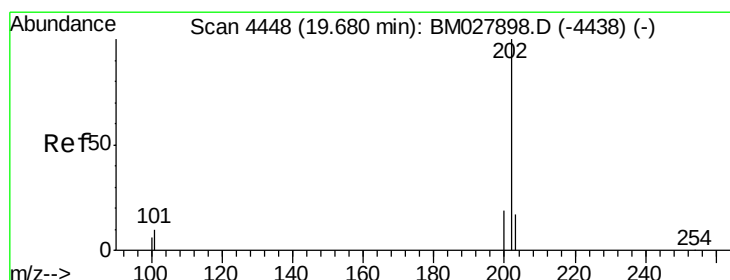
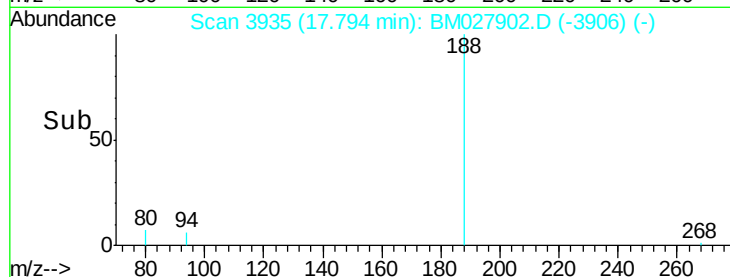
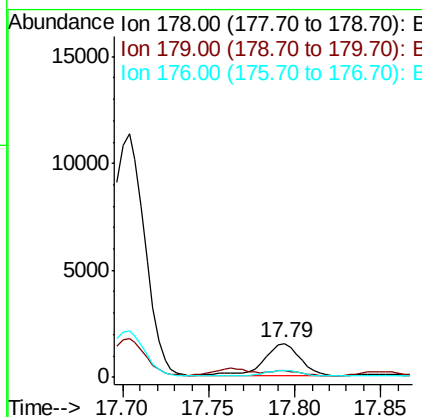
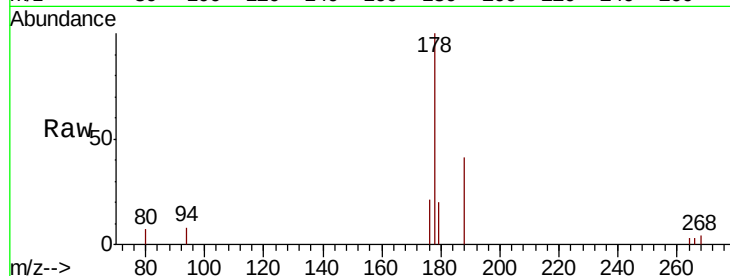
ClientSampleId :

C0B66

Tot Ion:	178	Resp:	2156
Ion Ratio	Lower	Upper	
178	100		
179	19.8	13.4	20.2
176	21.0	15.0	22.6

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#15

Fluoranthene

Concen: 2.474 ng/ul

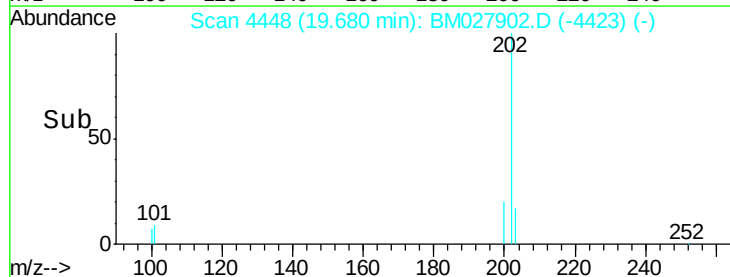
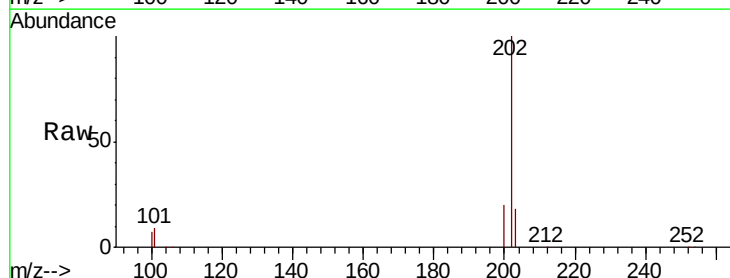
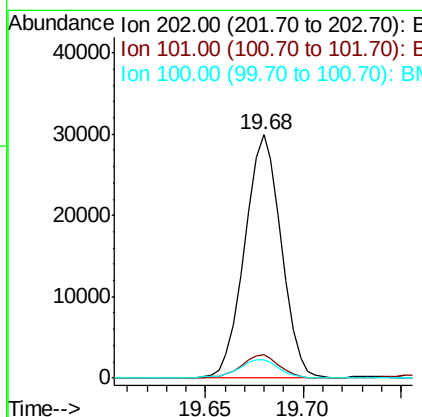
RT: 19.68 min Scan# 4448

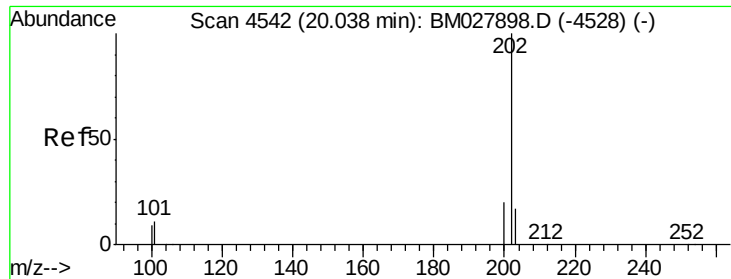
Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Tgt Ion:	202	Resp:	38468
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	29.3
100	7.5	0.0	27.4





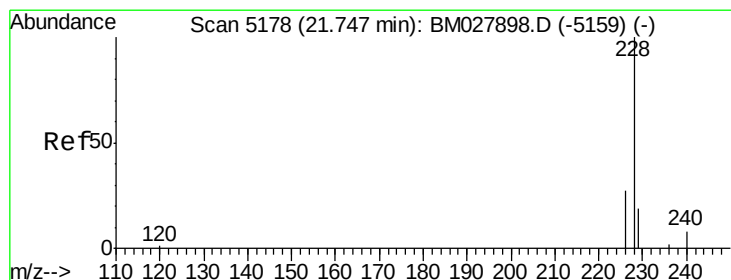
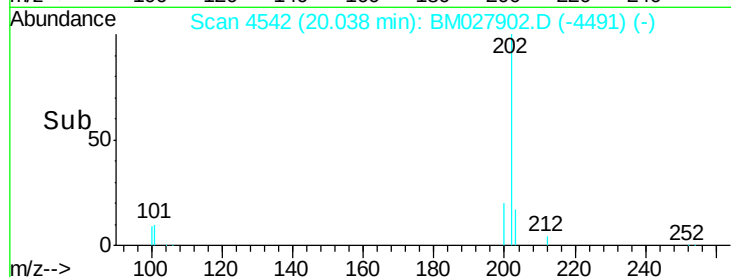
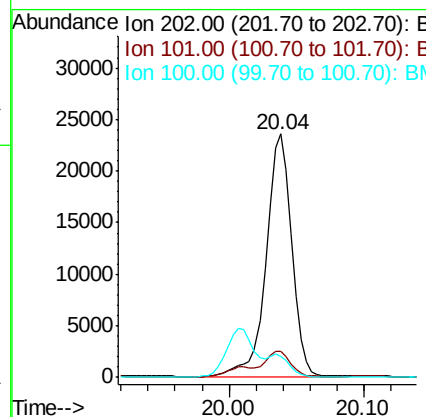
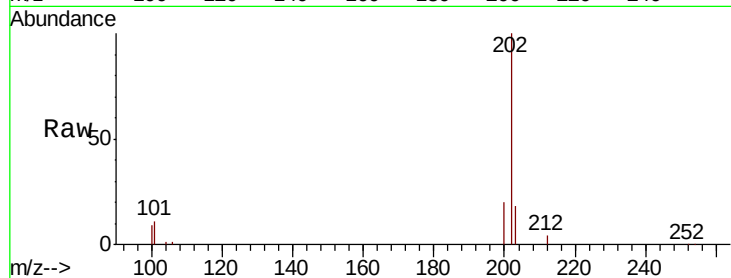
#17
 Pyrene
 Concen: 2.570 ng/ul
 RT: 20.04 min Scan# 4542
 Delta R.T. -0.00 min
 Lab File: BM027902.D
 Acq: 22 Nov 2020 05:01

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion:	202	Resp:	30656
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.2	12.2
100	8.8	6.9	10.3

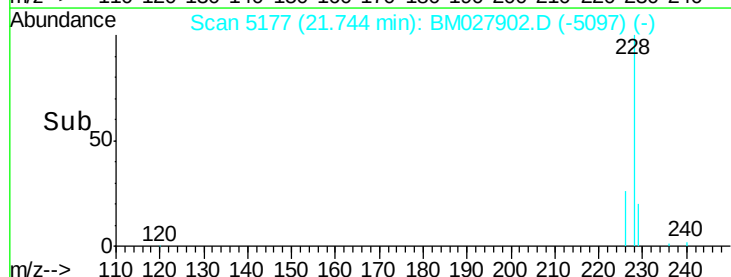
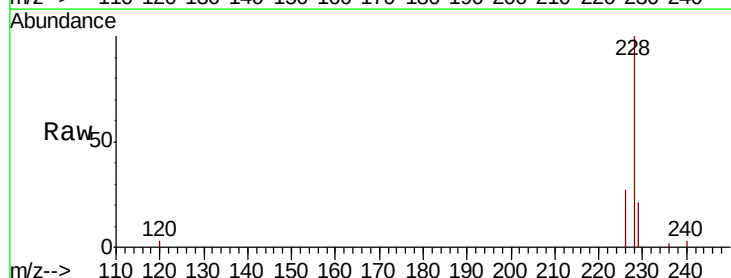
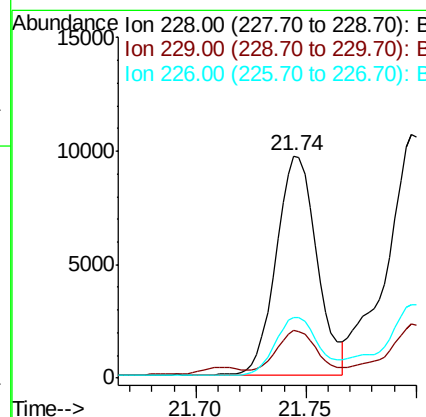
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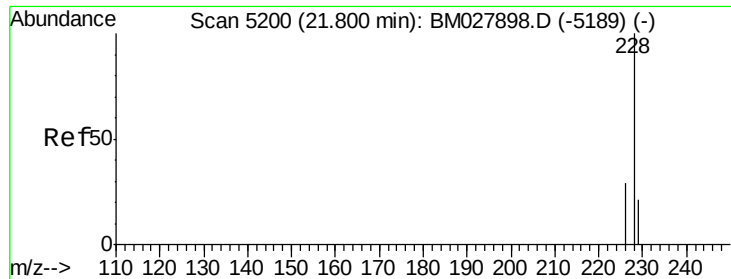
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#18
 Benzo(a)anthracene
 Concen: 1.314 ng/ul
 RT: 21.74 min Scan# 5177
 Delta R.T. -0.01 min
 Lab File: BM027902.D
 Acq: 22 Nov 2020 05:01

Tgt Ion:	228	Resp:	12450
Ion Ratio	Lower	Upper	
228	100		
229	21.2	16.2	24.4
226	27.3	21.5	32.3





#19

Chrysene

Concen: 1.756 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.01 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

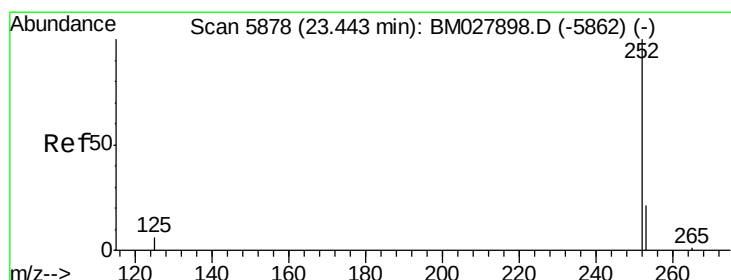
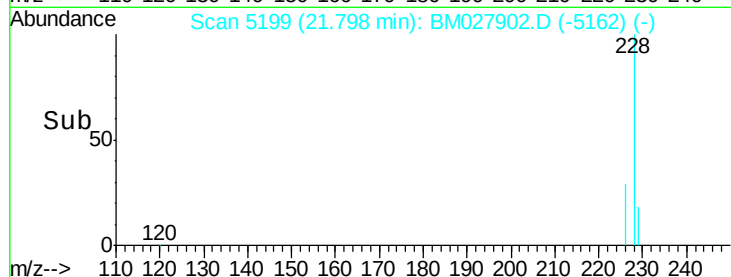
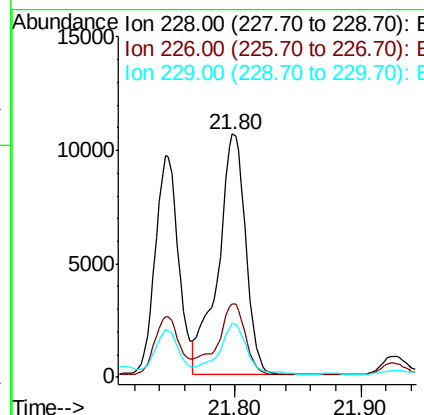
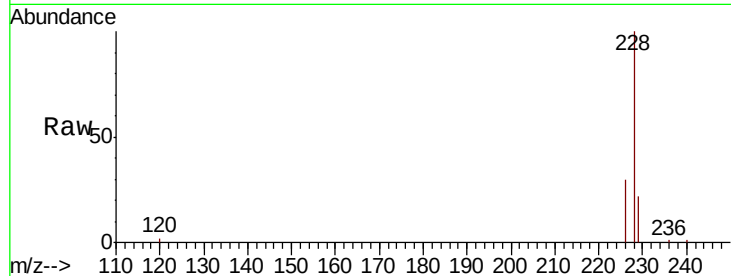
ClientSampled :

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Tot Ion:	228	Resp:	16207
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.1	36.1
229	22.0	16.6	24.8

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#21

Benzo(b)fluoranthene

Concen: 2.168 ng/ul m

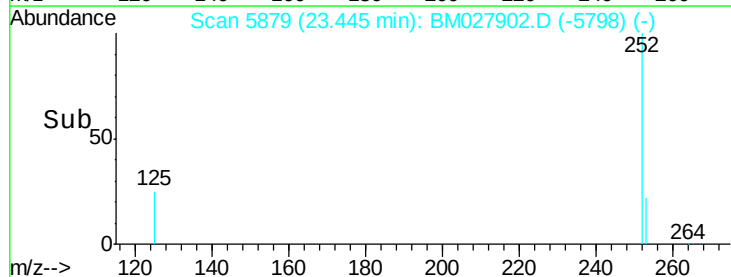
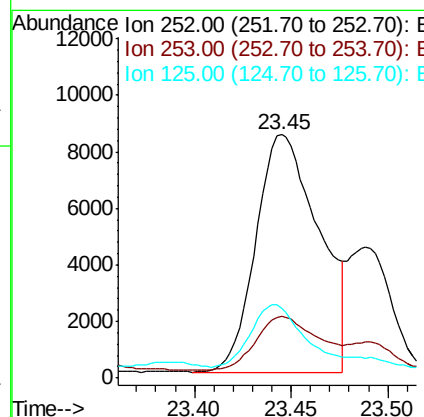
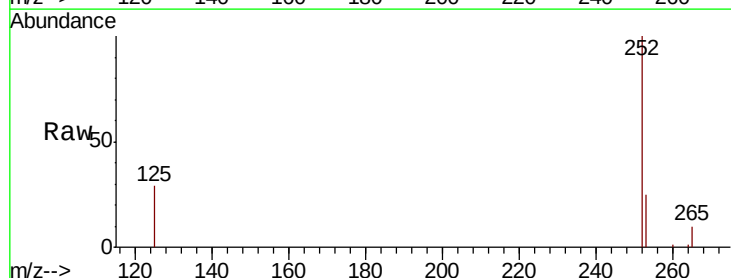
RT: 23.45 min Scan# 5879

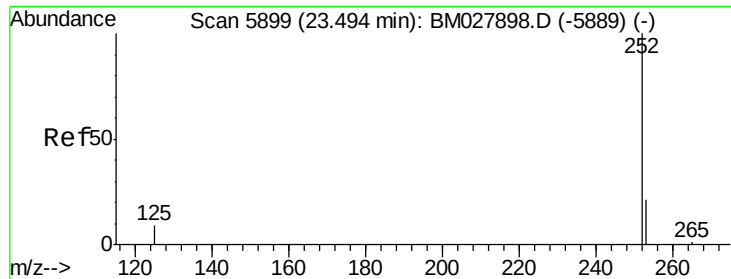
Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Tgt Ion:	252	Resp:	19066
Ion Ratio	Lower	Upper	
252	100		
253	25.2	0.0	59.6
125	28.6	0.0	28.4#





#22

Benzo(k)fluoranthene

Concen: 0.792 ng/ul m

RT: 23.49 min Scan# 5897

Delta R.T. -0.01 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Instrument :

BNA_M

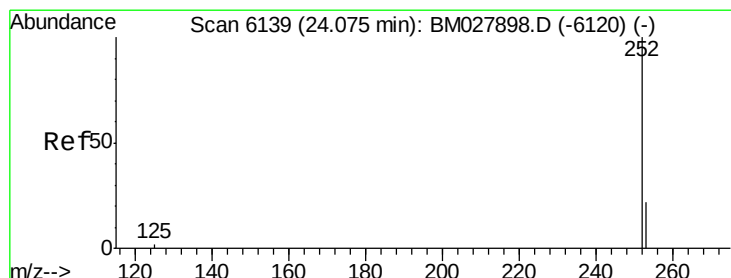
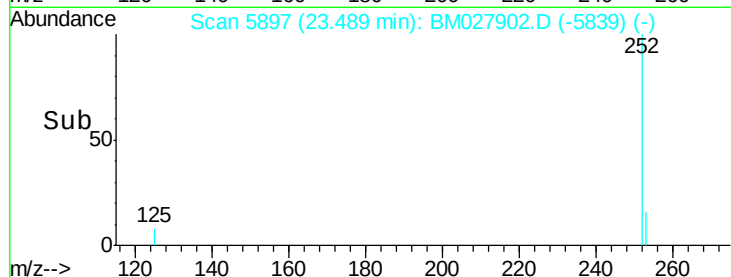
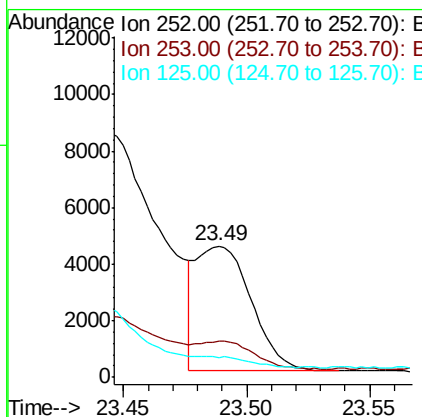
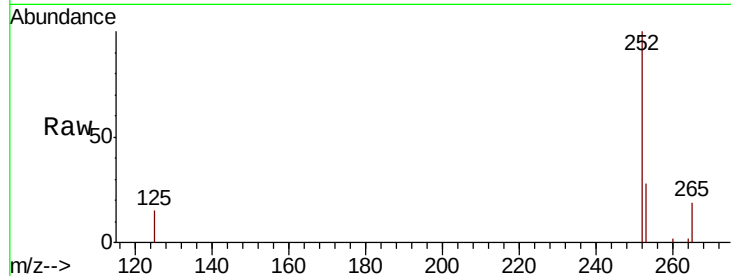
ClientSampleId :

C0B66

Tot Ion:	252	Resp:	6825
Ion Ratio	Lower	Upper	
252	100		
253	27.6	23.2	34.8
125	15.3	11.8	17.6

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#23

Benzo(a)pyrene

Concen: 1.559 ng/ul

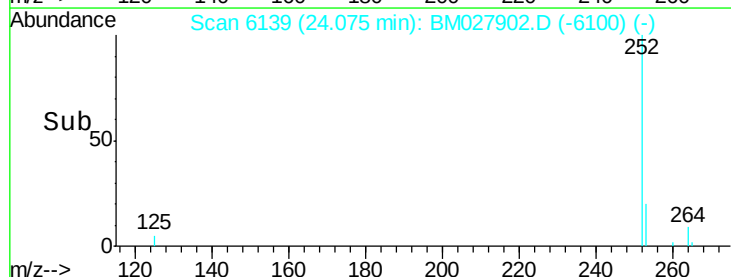
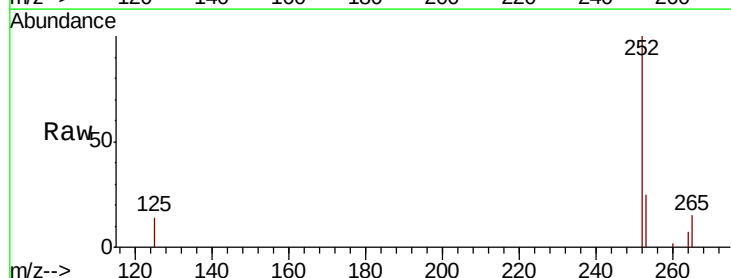
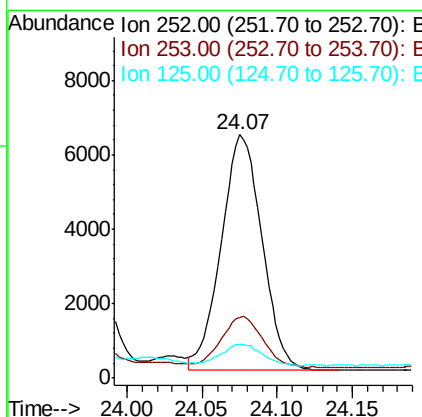
RT: 24.07 min Scan# 6139

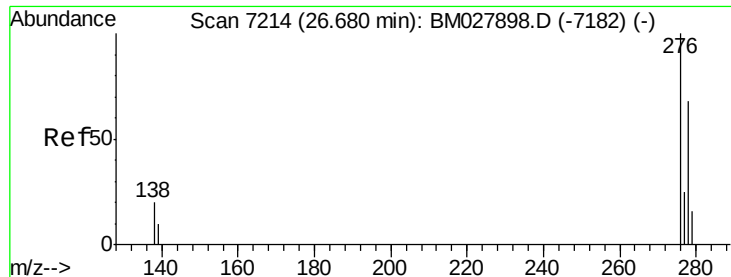
Delta R.T. -0.00 min

Lab File: BM027902.D

Acq: 22 Nov 2020 05:01

Tgt Ion:	252	Resp:	11991
Ion Ratio	Lower	Upper	
252	100		
253	25.0	25.2	37.8#
125	13.9	13.8	20.6





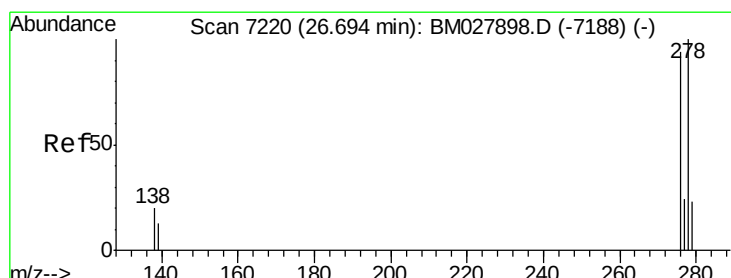
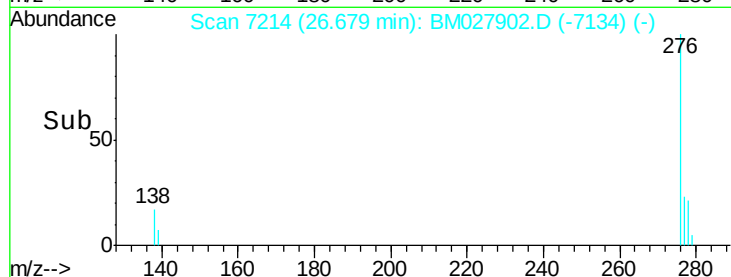
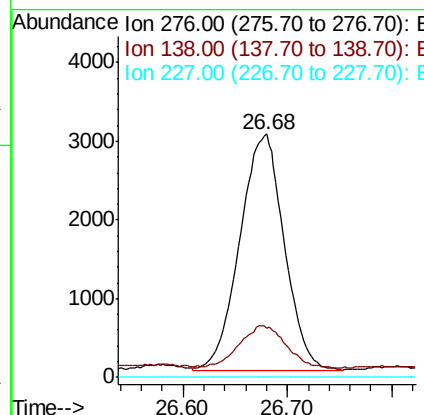
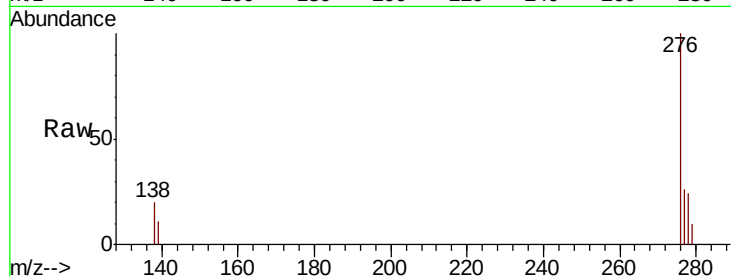
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.070 ng/ul
RT: 26.68 min Scan# 7214
Delta R.T. -0.01 min
Lab File: BM027902.D
Acq: 22 Nov 2020 05:01

Instrument :
BNA_M
ClientSampleId :
C0B66

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.7	23.5
227	0.0	0.0	0.0

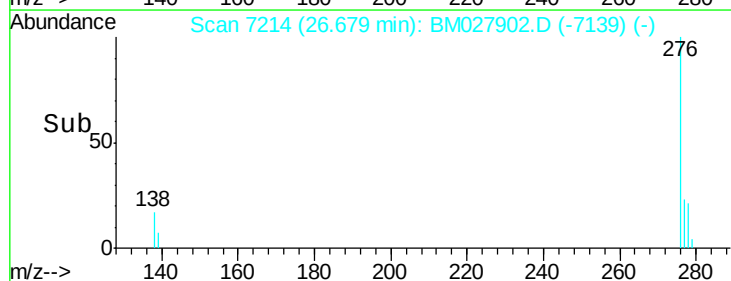
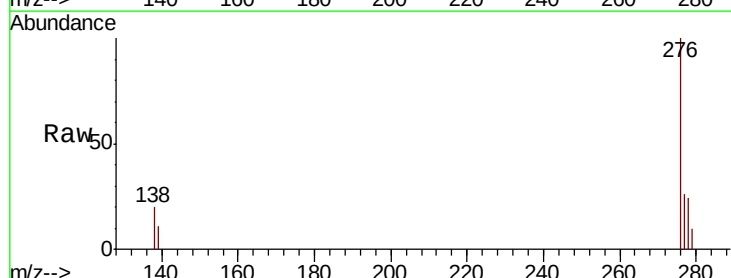
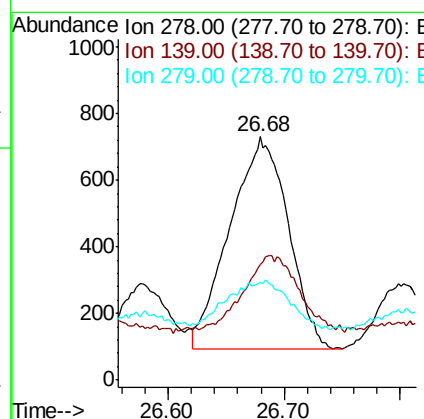
Manual Integrations
APPROVED

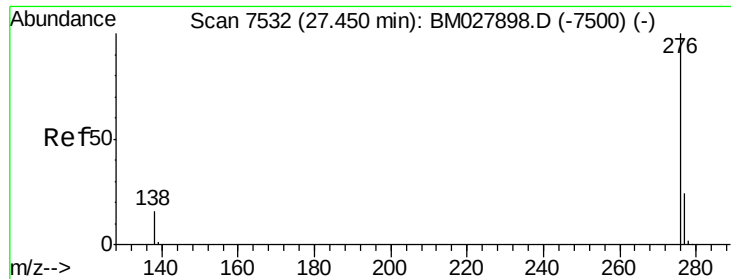
mohammad
11/24/2020 8:59:35 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.319 ng/ul
RT: 26.68 min Scan# 7214
Delta R.T. -0.02 min
Lab File: BM027902.D
Acq: 22 Nov 2020 05:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	47.3	14.8	22.2#
279	40.4	25.8	38.6#





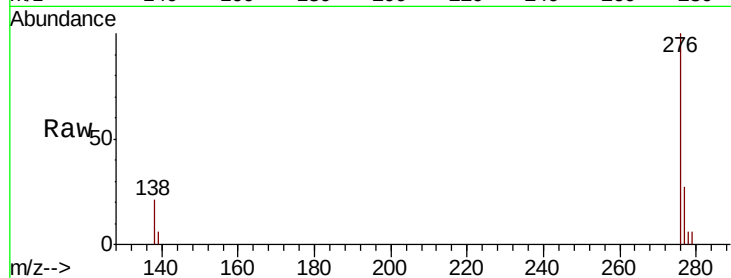
#26
 Benzo(a,h,i)perylene
 Concen: 1.231 ng/ul
 RT: 27.45 min Scan# 7531
 Delta R.T. -0.01 min
 Lab File: BM027902.D
 Acq: 22 Nov 2020 05:01

Instrument :
 BNA_M
 ClientSampleId :
 C0B66

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.4	26.2
277	26.8	22.5	33.7

Manual Integrations
 APPROVED

mohammad
 11/24/2020 8:59:35 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

