

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
 Data File : BM027927.D
 Acq On : 23 Nov 2020 23:27
 Operator : JU/CG
 Sample : L4711-12DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B58DL

Manual Integrations
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mohammad
 11/25/2020 12:45:00 PM

Quant Time: Nov 24 01:25:36 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 : Tue Nov 24 00:42:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1318	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	5161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2917	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5114	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2843	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2652	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	767	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1217	0.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.21	128	466	0.030	ng/ul#	71
5) 2-Methylnaphthalene	12.80	142	279	0.027	ng/ul	100
7) Acenaphthylene	14.67	152	515	0.036	ng/ul#	73
8) Acenaphthene	15.00	153	293	0.027	ng/ul#	93
9) Fluorene	15.98	166	727	0.059	ng/ul#	95
12) Phenanthrene	17.70	178	52950	3.278	ng/ul	97
13) Anthracene	17.79	178	8642	0.555	ng/ul	99
15) Fluoranthene	19.68	202	197429	11.022	ng/ul	99
17) Pyrene	20.03	202	150647	10.434	ng/ul	97
18) Benzo(a)anthracene	21.74	228	73198	6.381	ng/ul	100
19) Chrysene	21.80	228	85828	7.682	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	95558m	8.574	ng/ul	
22) Benzo(k)fluoranthene	23.49	252	31342m	2.872	ng/ul	
23) Benzo(a)pyrene	24.07	252	57407	5.891	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.68	276	41902	3.972	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.68	278	10622	1.209	ng/ul	92
26) Benzo(a,h,i)perylene	27.45	276	40743	4.603	ng/ul	93

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

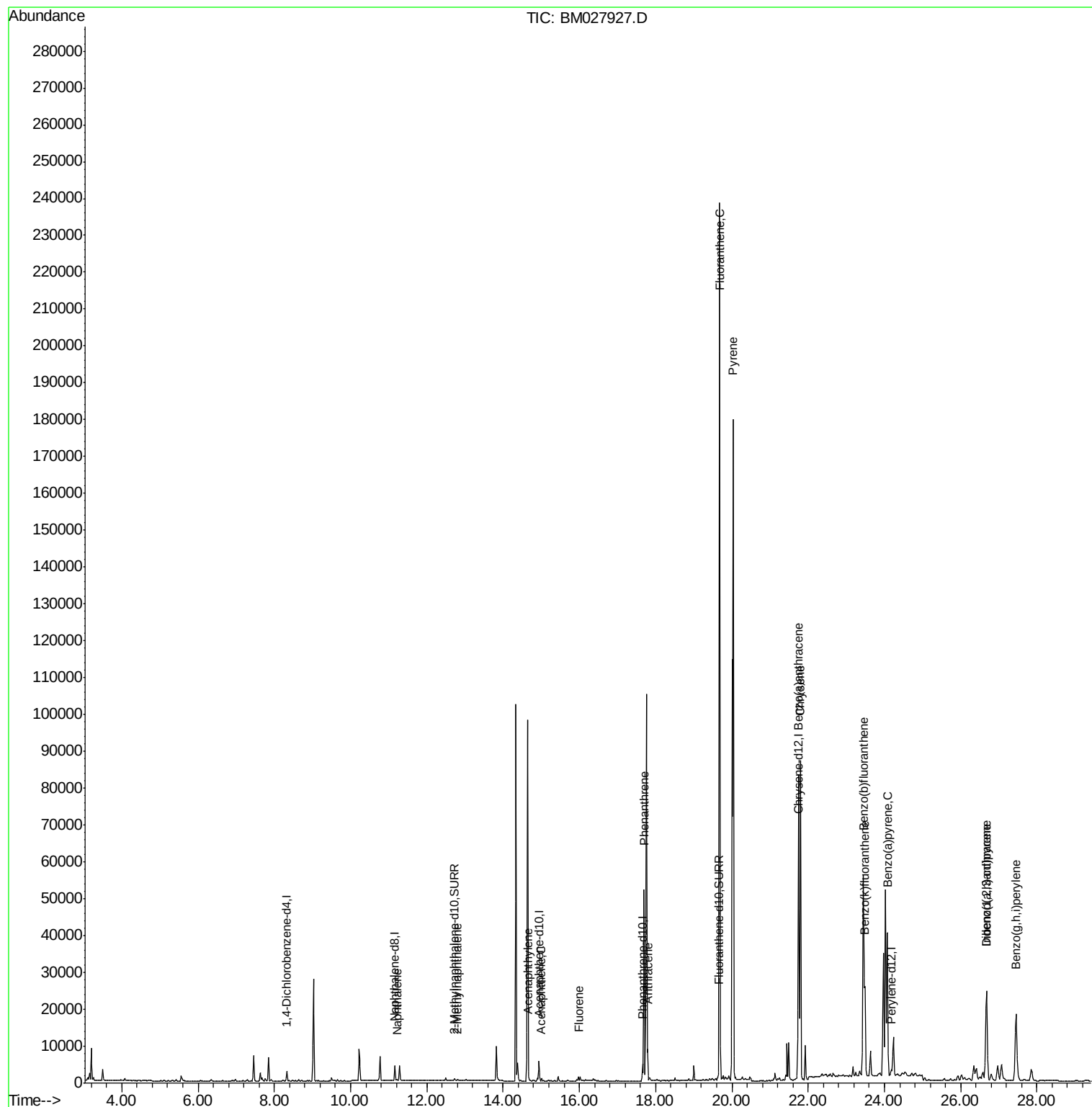
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112320\
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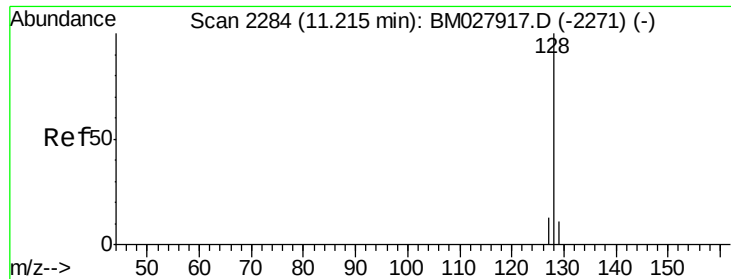
Instrument :
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Quant Time: Nov 24 01:25:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 24 00:42:23 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.030 ng/ul

RT: 11.21 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

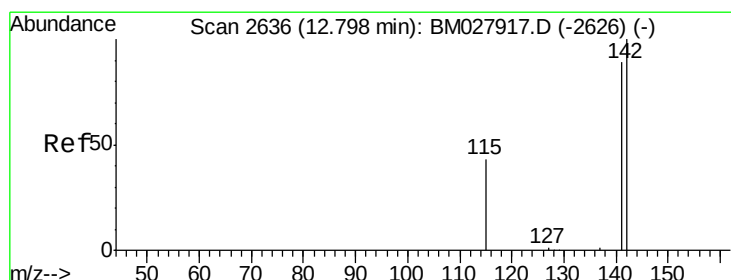
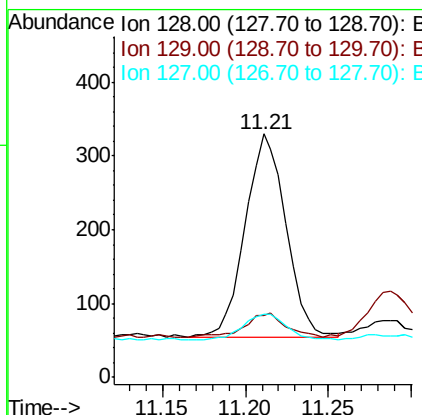
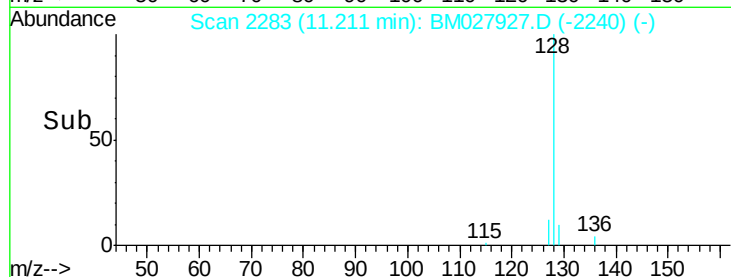
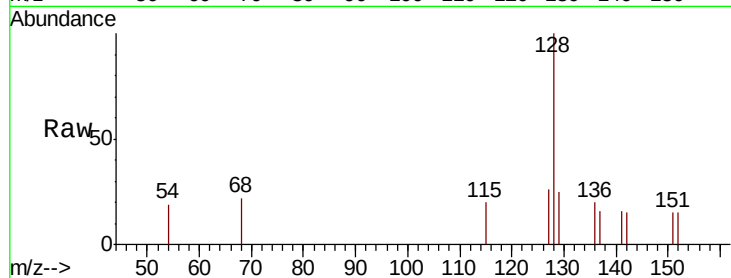
ClientSampleId :

C0B58DL

Tot Ion:	128	Resp:	466
Ion	Ratio	Lower	Upper
128	100		
129	25.5	10.4	15.6#
127	26.1	12.0	18.0#

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#5

2-Methylnaphthalene

Concen: 0.027 ng/ul

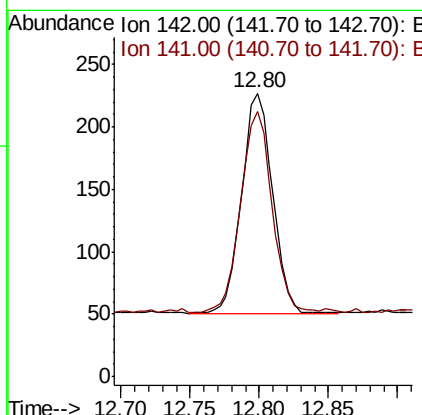
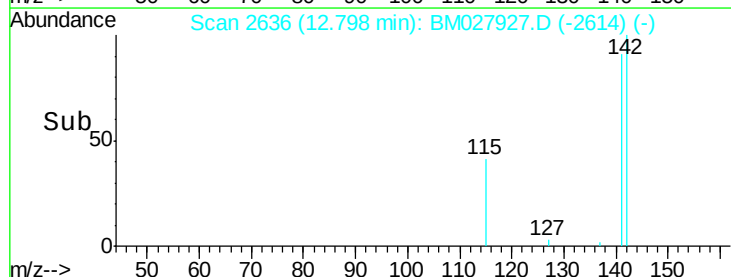
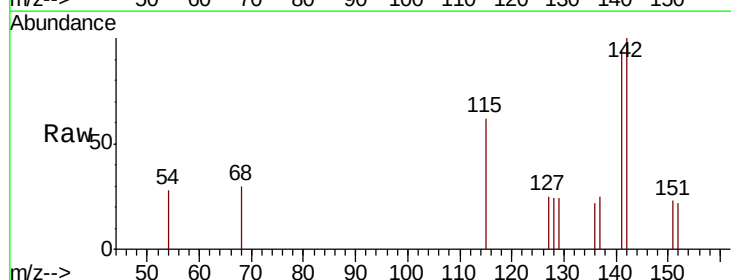
RT: 12.80 min Scan# 2636

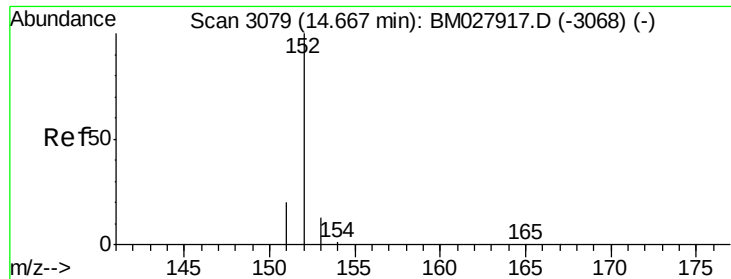
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion:	142	Resp:	279
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.6	107.4





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 14.67 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

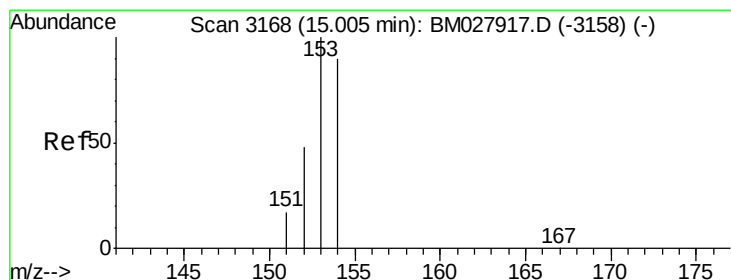
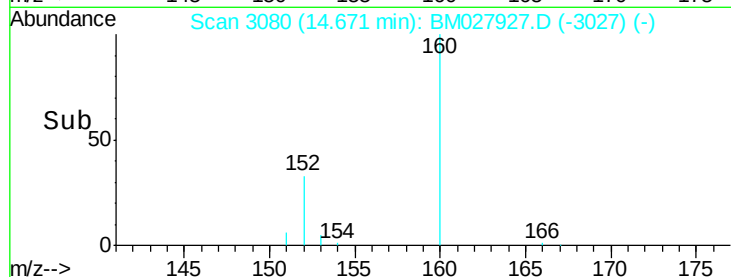
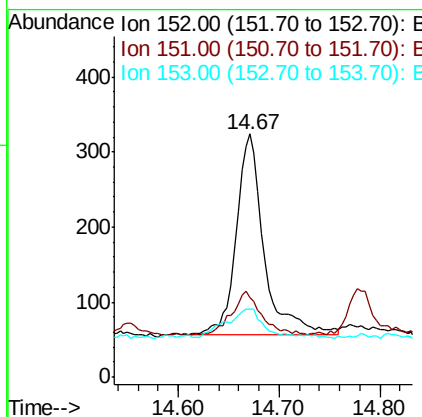
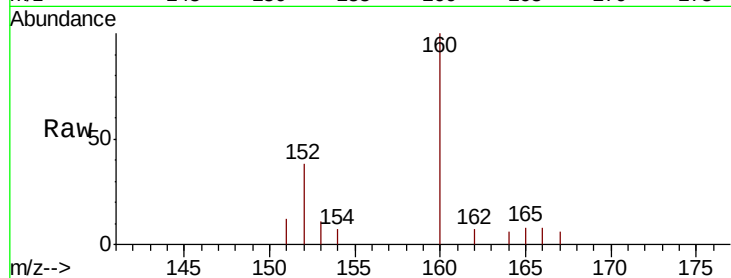
ClientSampleId :

C0B58DL

Tot Ion:	152	Resp:	515
Ion Ratio	Lower	Upper	
152	100		
151	32.7	17.1	25.7#
153	28.1	12.0	18.0#

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#8

Acenaphthene

Concen: 0.027 ng/ul

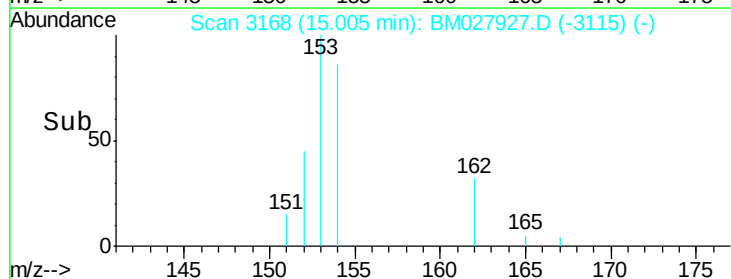
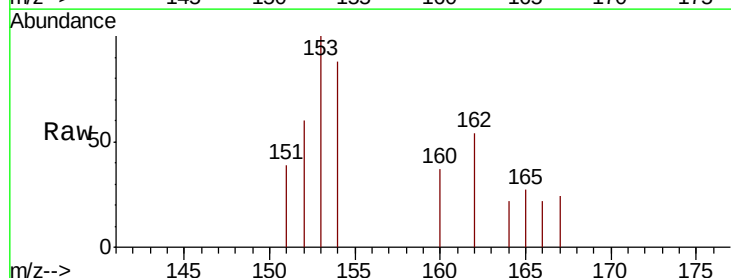
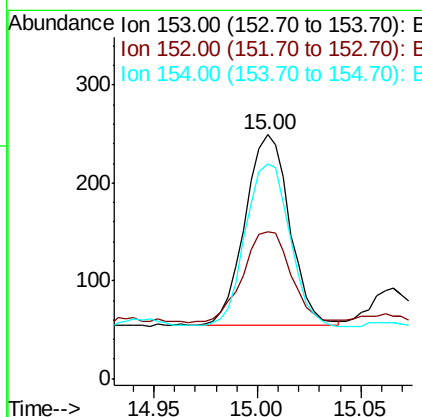
RT: 15.00 min Scan# 3168

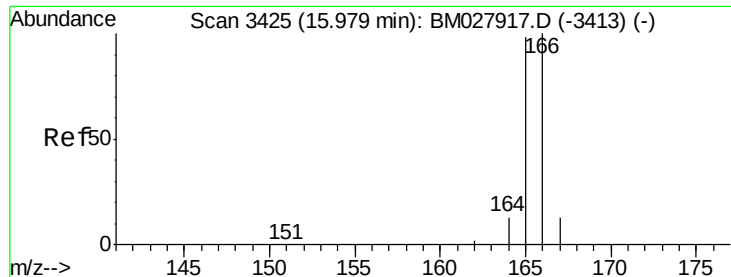
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion:	153	Resp:	293
Ion Ratio	Lower	Upper	
153	100		
152	60.2	39.0	58.6#
154	88.0	71.6	107.4





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.98 min Scan# 3424

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

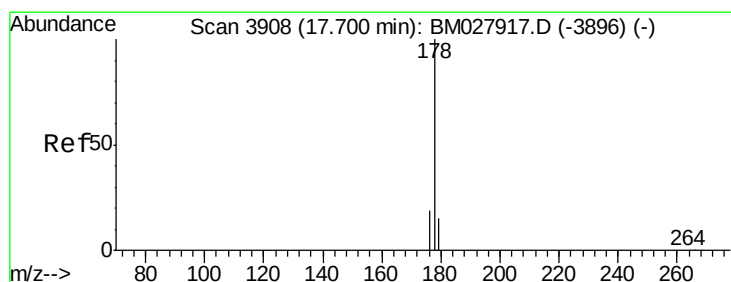
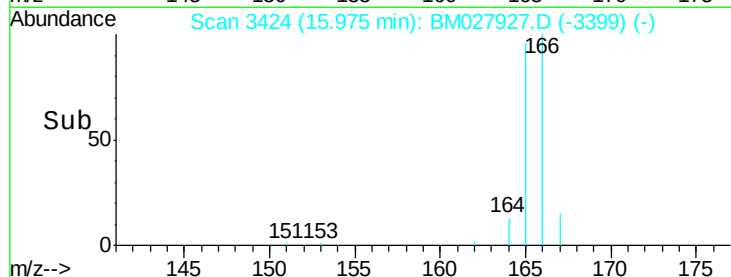
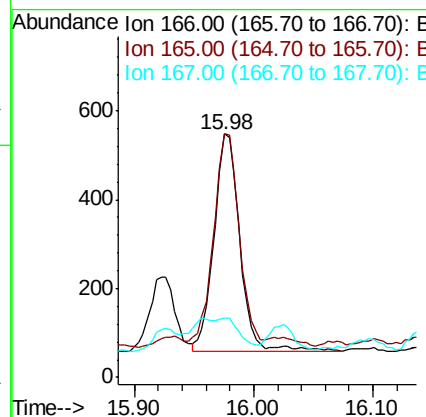
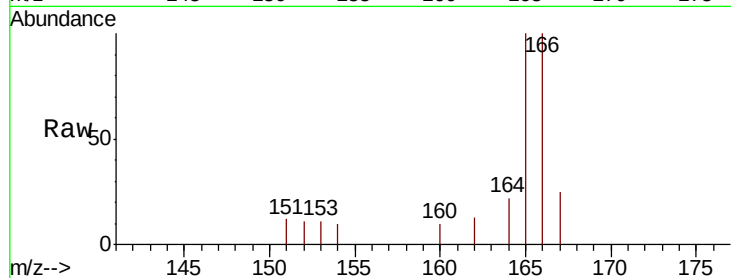
ClientSampleId :

C0B58DL

Tot Ion:	166	Resp:	727
Ion Ratio	Lower	Upper	
166	100		
165	99.8	78.1	117.1
167	24.6	11.8	17.8#

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#12

Phenanthrene

Concen: 3.278 ng/ul

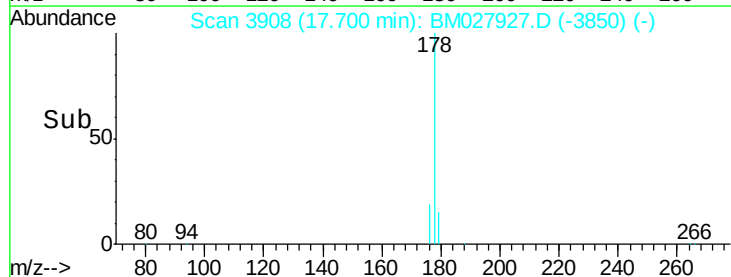
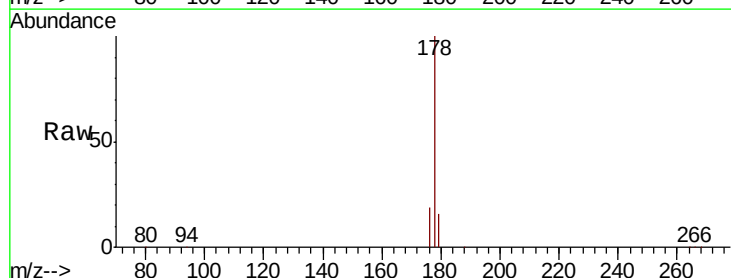
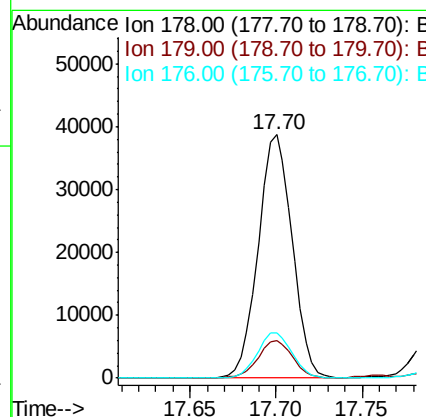
RT: 17.70 min Scan# 3908

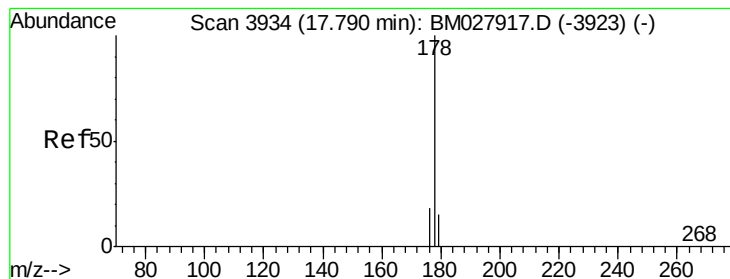
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion:	178	Resp:	52950
Ion Ratio	Lower	Upper	
178	100		
179	15.5	13.6	20.4
176	18.8	16.1	24.1





#13

Anthracene

Concen: 0.555 ng/ul

RT: 17.79 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

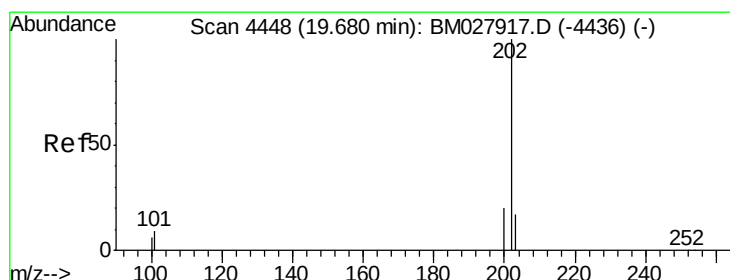
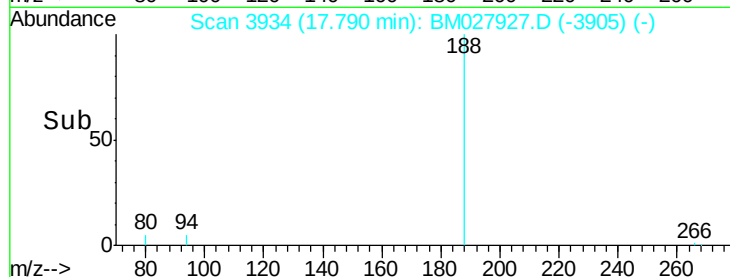
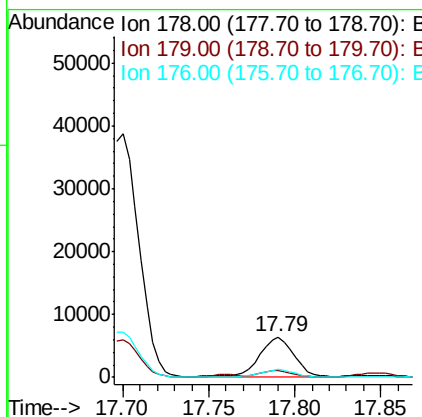
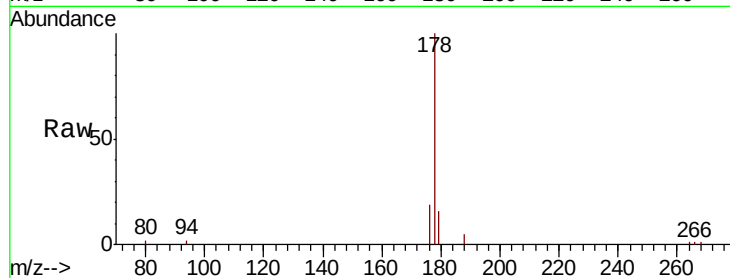
ClientSampleId :

C0B58DL

Tot Ion:	178	Resp:	8642
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.4	20.2
176	18.8	15.0	22.6

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#15

Fluoranthene

Concen: 11.022 ng/ul

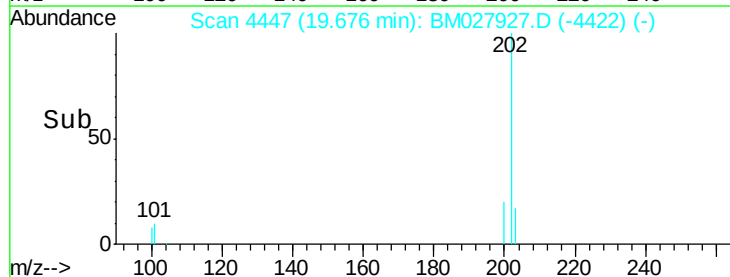
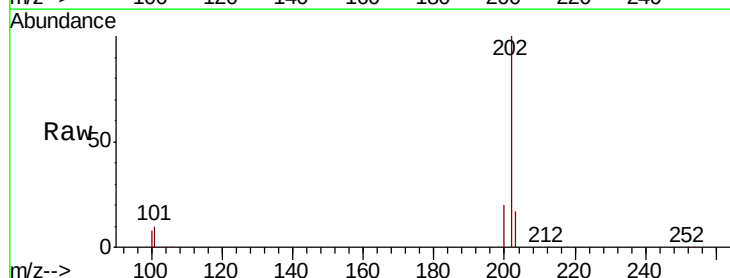
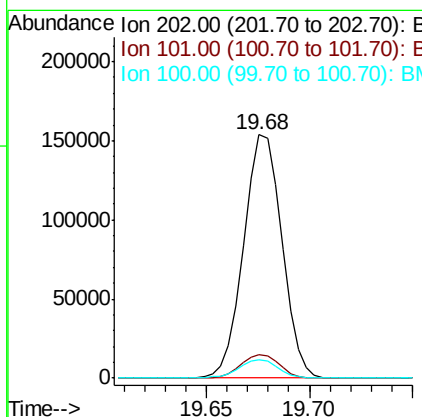
RT: 19.68 min Scan# 4447

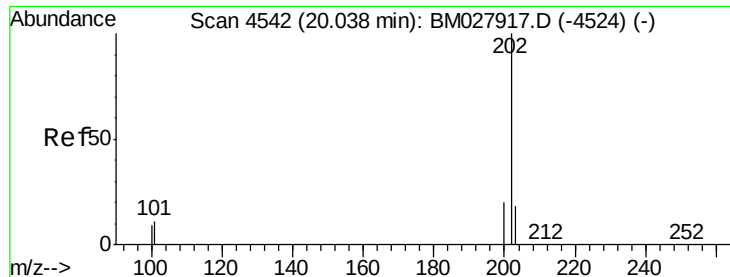
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion:	202	Resp:	197429
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	29.3
100	7.7	0.0	27.4





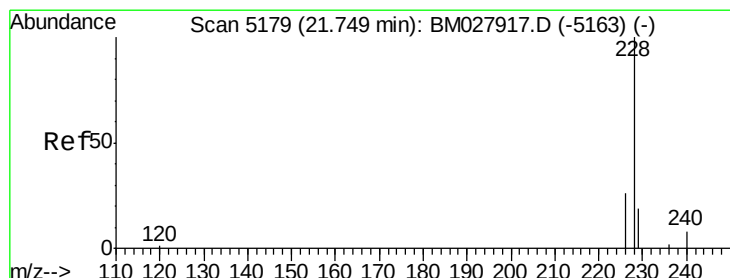
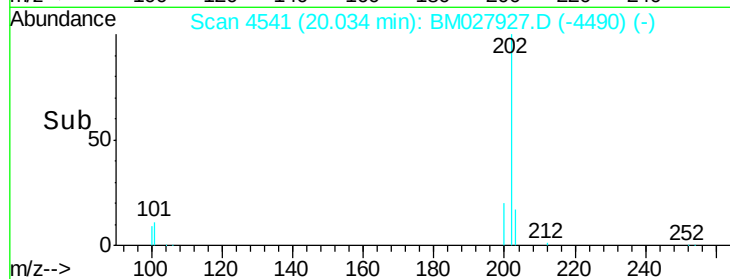
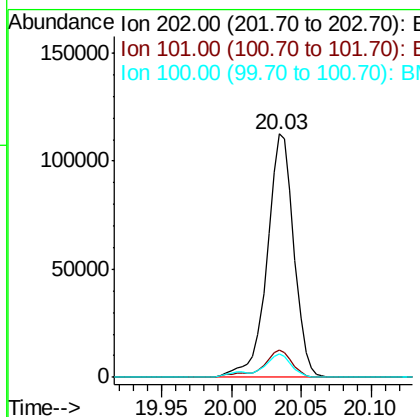
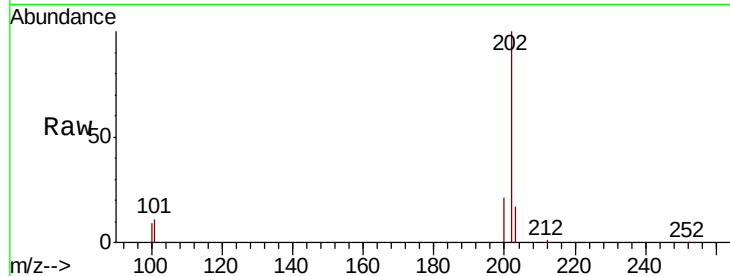
#17
Pvrene
Concen: 10.434 ng/ul
RT: 20.03 min Scan# 4541
Delta R.T. -0.00 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Instrument :
BNA_M
ClientSampleId :
C0B58DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.3	8.2	12.2
100	9.4	6.9	10.3

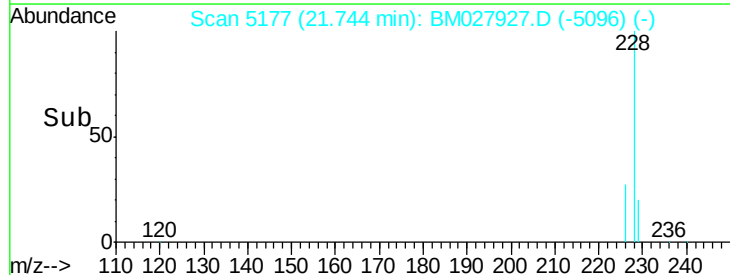
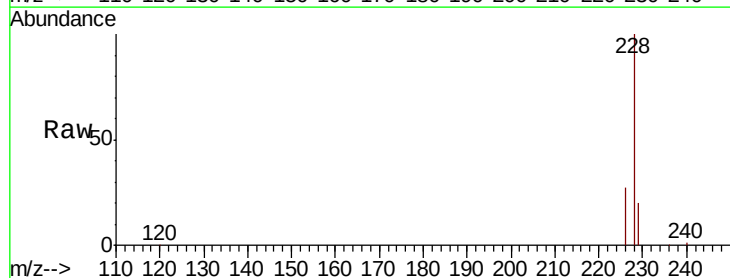
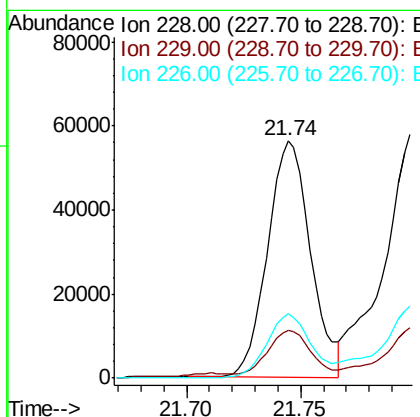
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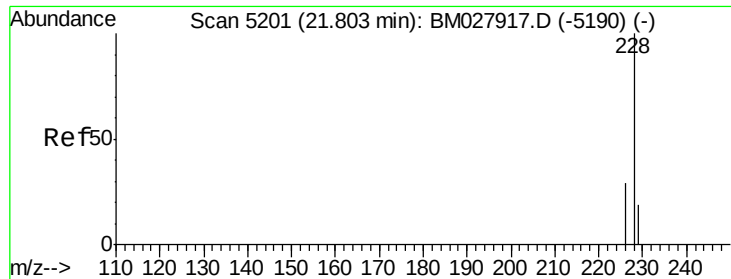
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#18
Benzo(a)anthracene
Concen: 6.381 ng/ul
RT: 21.74 min Scan# 5177
Delta R.T. -0.00 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.1	16.2	24.4
226	27.0	21.5	32.3





#19

Chrysene

Concen: 7.682 ng/ul

RT: 21.80 min Scan# 5199

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

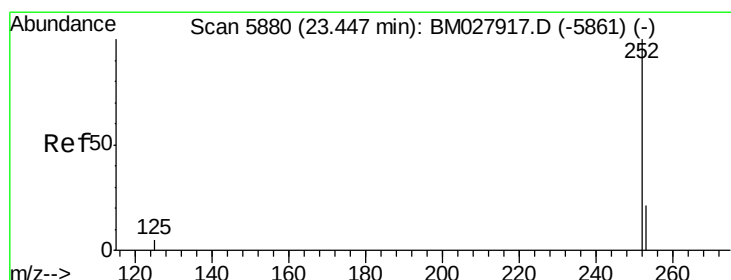
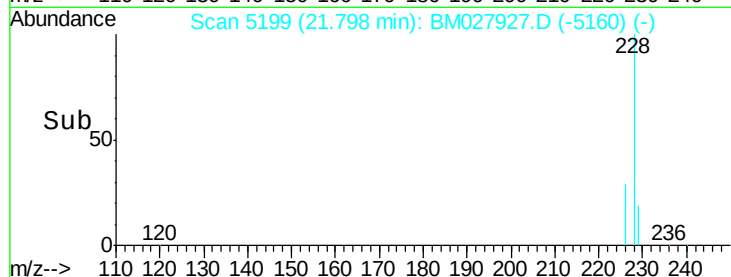
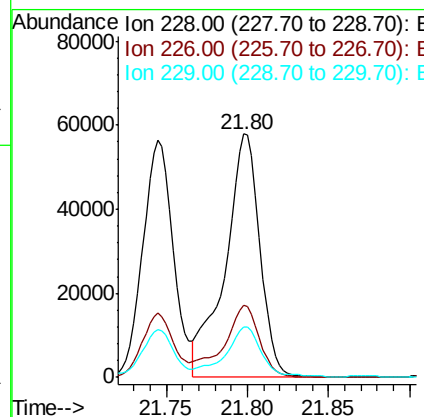
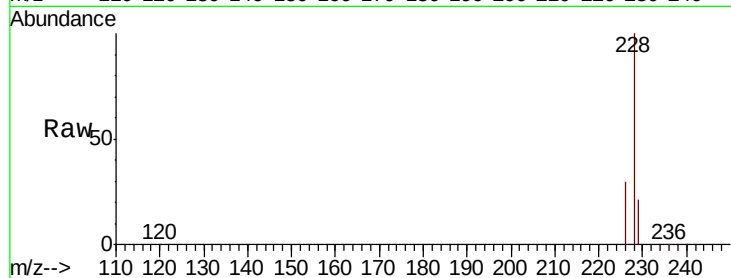
ClientSampleId :

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Tot Ion:	228	Resp:	85828
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	20.8	16.6	24.8

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#21

Benzo(b)fluoranthene

Concen: 8.574 ng/ul m

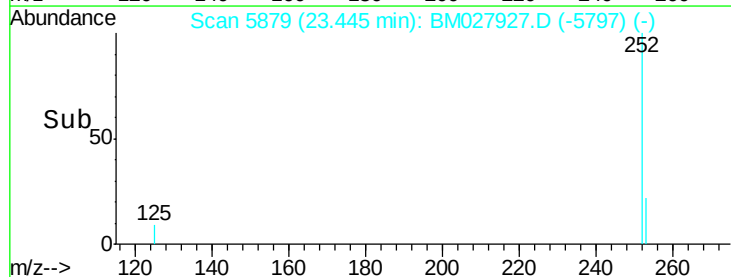
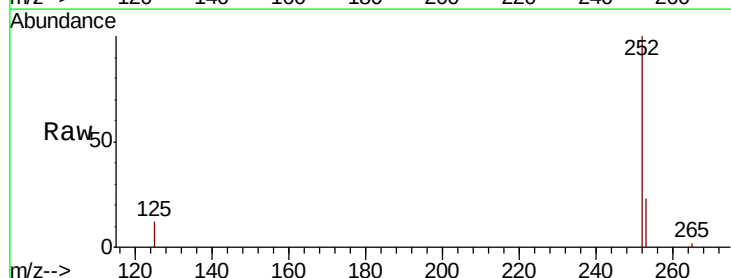
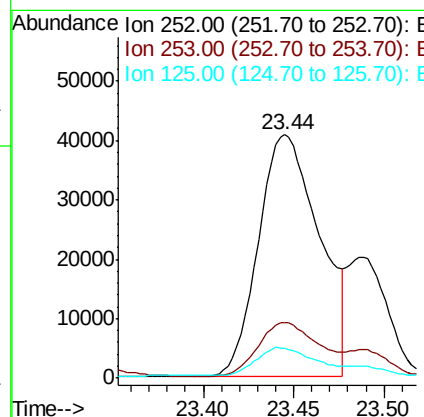
RT: 23.44 min Scan# 5879

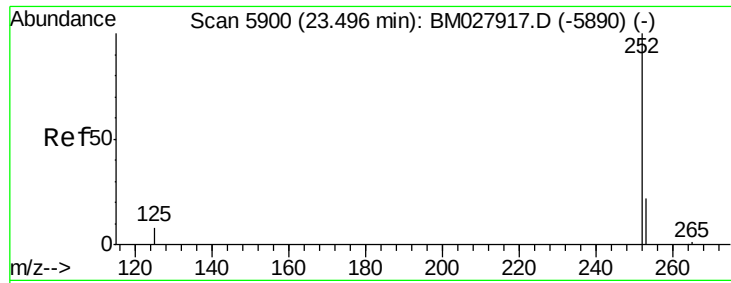
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion:	252	Resp:	95558
Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	59.6
125	12.4	0.0	28.4





#22

Benzo(k)fluoranthene

Concen: 2.872 ng/ul

RT: 23.49 min Scan# 5897

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

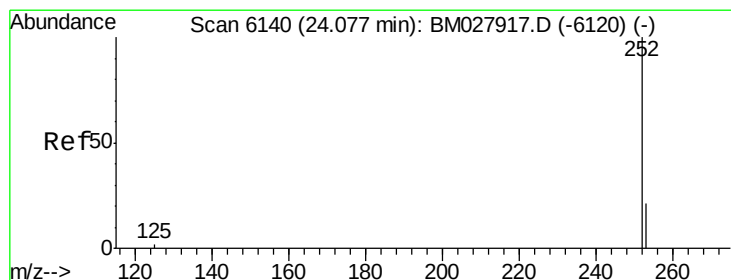
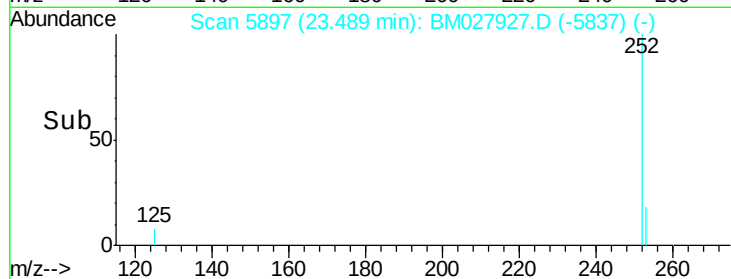
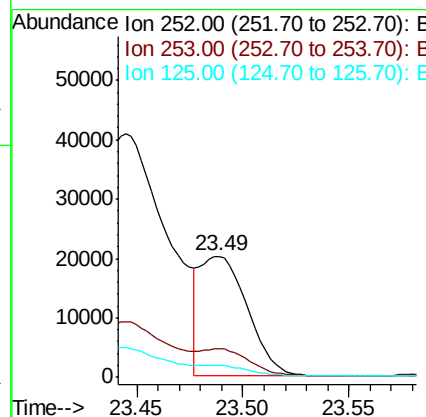
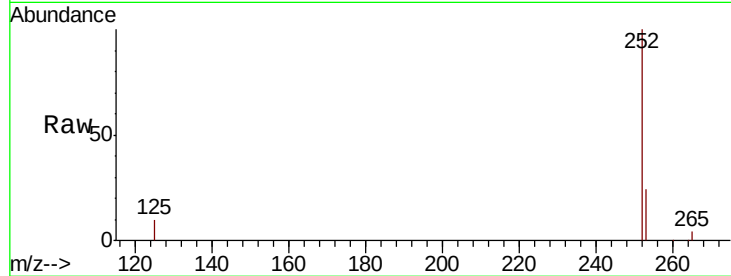
ClientSampleId :

C0B58DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	23.2	34.8
125	9.6	11.8	17.6

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#23

Benzo(a)pyrene

Concen: 5.891 ng/ul

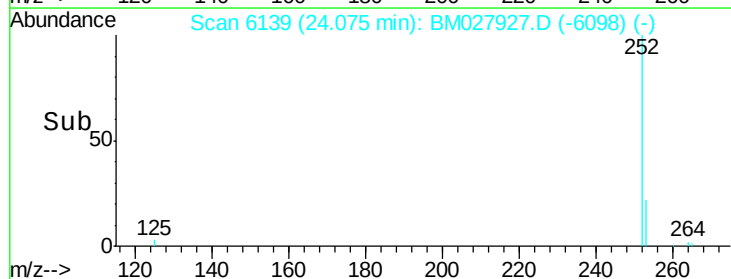
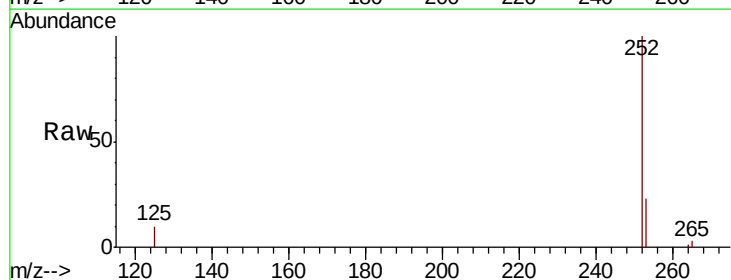
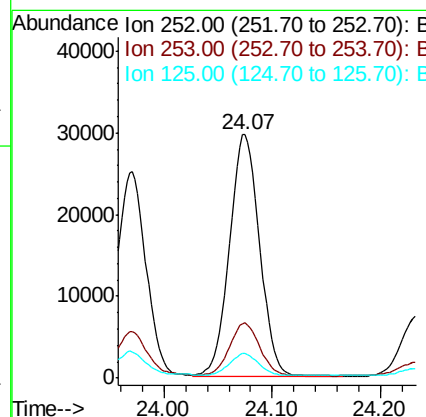
RT: 24.07 min Scan# 6139

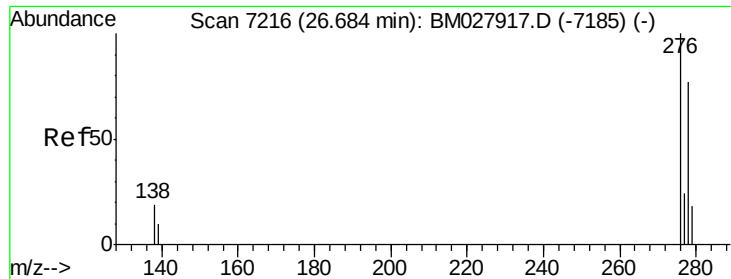
Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	25.2	37.8
125	10.1	13.8	20.6





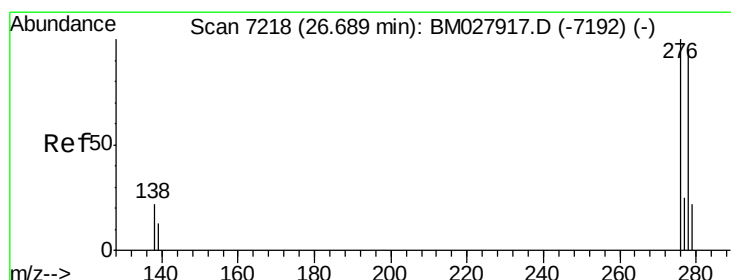
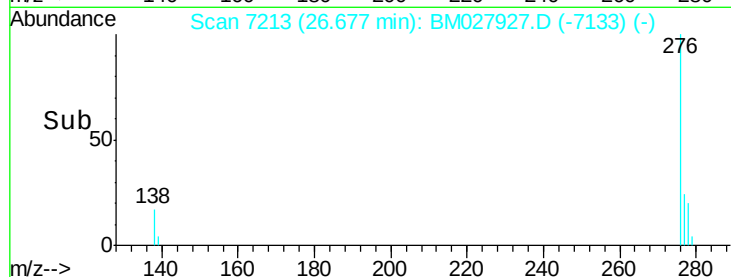
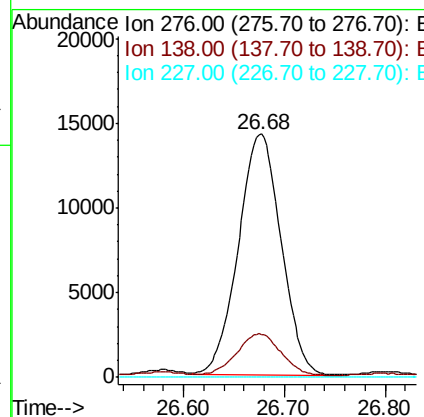
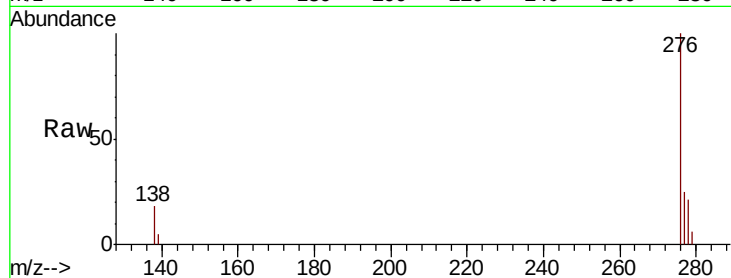
#24
Indeno(1,2,3-cd)pyrene
Concen: 3.972 ng/ul
RT: 26.68 min Scan# 7213
Delta R.T. -0.01 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Instrument :
BNA_M
ClientSampleId :
C0B58DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	15.7	23.5
227	0.0	0.0	0.0

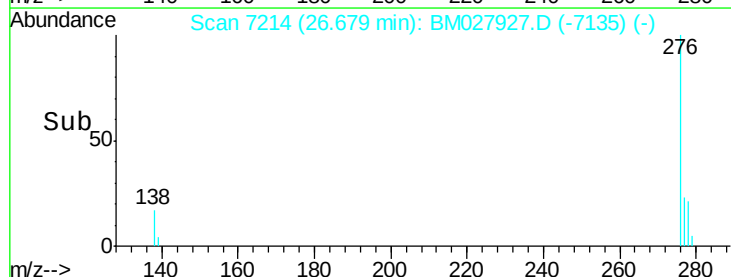
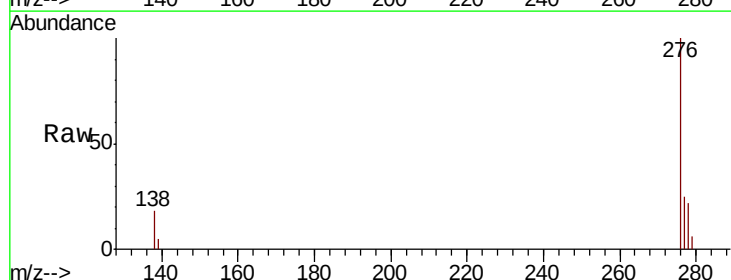
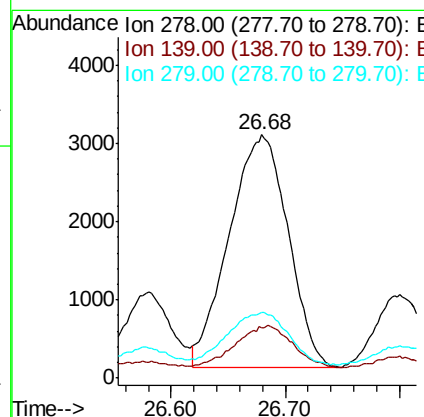
Manual Integrations
APPROVED

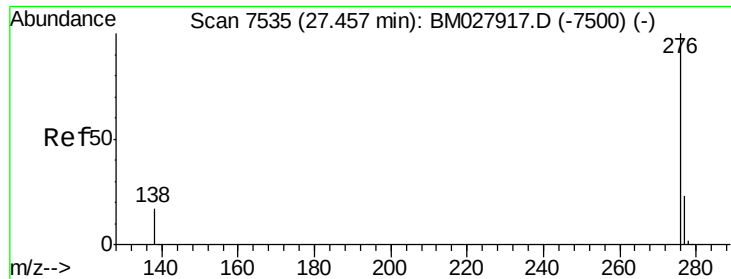
mohammad
11/25/2020 12:45:00 PM



#25
Dibenzo(a,h)anthracene
Concen: 1.209 ng/ul
RT: 26.68 min Scan# 7214
Delta R.T. -0.01 min
Lab File: BM027927.D
Acq: 23 Nov 2020 23:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	14.8	22.2
279	27.1	25.8	38.6





#26

Benzo(a,h,i)perylene

Concen: 4.603 ng/ul

RT: 27.45 min Scan# 7532

Delta R.T. -0.00 min

Lab File: BM027927.D

Acq: 23 Nov 2020 23:27

Instrument :

BNA_M

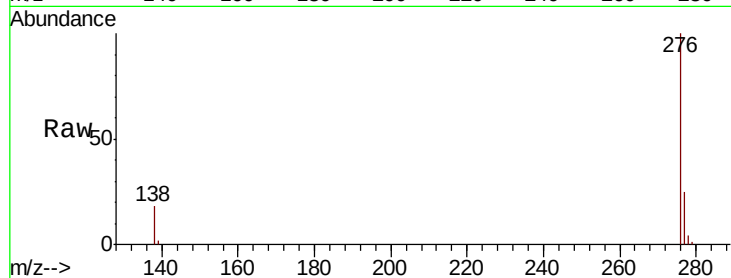
ClientSampleID :

C0B58DL

Tot Ion:	276	Resp:	40743
Ion Ratio	Lower	Upper	
276	100		
138	18.3	17.4	26.2
277	24.6	22.5	33.7

Manual Integrations
APPROVED

mohammad
11/25/2020 12:45:00 PM



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

