

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
 Data File : BM025647.D
 Acq On : 19 Mar 2020 02:34
 Operator : CG/JU
 Sample : L1786-14DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0DL

Manual Integrations
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mohammad
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Quant Time: Mar 19 03:46:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 00:21:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2649	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10672	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6600	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	15021	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	15829	0.40	ng/ul	0.00
20) Perylene-d12	23.30	264	16750	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	590	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	1509	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	2780	0.088	ng/ul	95
5) 2-Methylnaphthalene	12.03	142	1083	0.048	ng/ul	98
7) Acenaphthylene	13.94	152	4373	0.162	ng/ul#	85
8) Acenaphthene	14.28	153	3968	0.168	ng/ul	99
9) Fluorene	15.27	166	6165	0.214	ng/ul	99
12) Phenanthrene	17.00	178	93448	1.963	ng/ul	99
13) Anthracene	17.10	178	23829	0.575	ng/ul	100
15) Fluoranthene	19.02	202	233623	4.527	ng/ul	98
17) Pyrene	19.39	202	189197	2.663	ng/ul	99
18) Benzo(a)anthracene	21.14	228	121582	2.148	ng/ul	99
19) Chrysene	21.19	228	114874	1.808	ng/ul	97
21) Benzo(b)fluoranthene	22.67	252	146050m	2.202	ng/ul	
22) Benzo(k)fluoranthene	22.70	252	59029m	0.849	ng/ul	
23) Benzo(a)pyrene	23.21	252	100017m	1.816	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.42	276	67182	0.899	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.43	278	20068	0.319	ng/ul	96
26) Benzo(a,h,i)perylene	26.07	276	45306	0.699	ng/ul	98

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

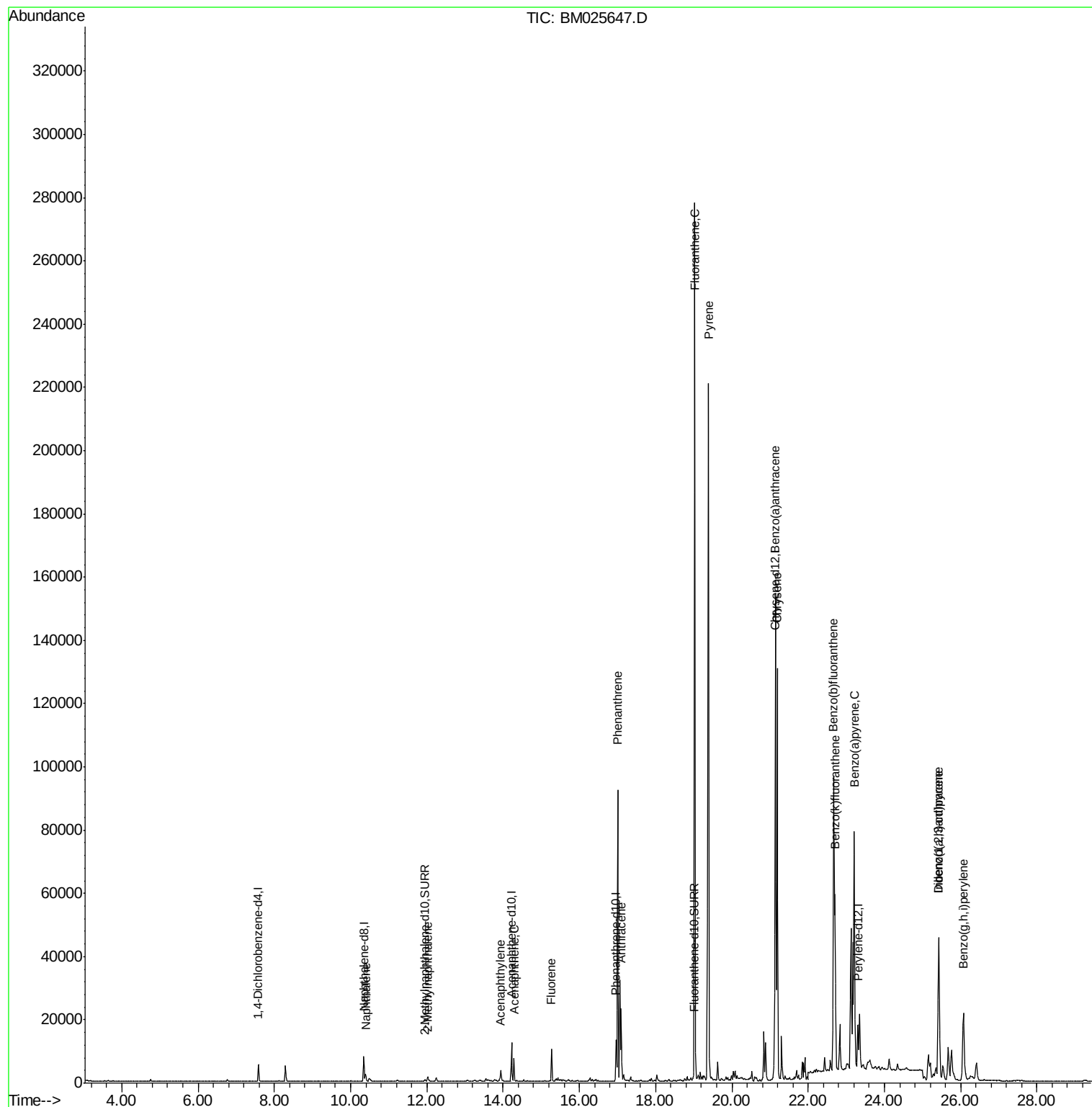
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031820\
Data File : BM025647.D
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Operator : CG/JU
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ALS Vial : 23 Sample Multiplier: 1

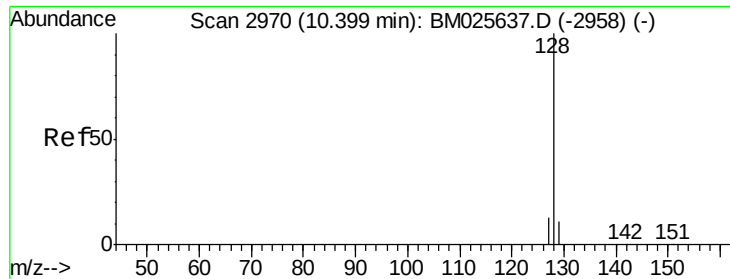
Instrument :
BNA_M
ClientSampleId :
C0AD0DL

Manual Integrations
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Quant Time: Mar 19 03:46:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 00:21:10 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.088 ng/ul

RT: 10.40 min Scan# 2970

Delta R.T. -0.00 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Instrument :

BNA_M

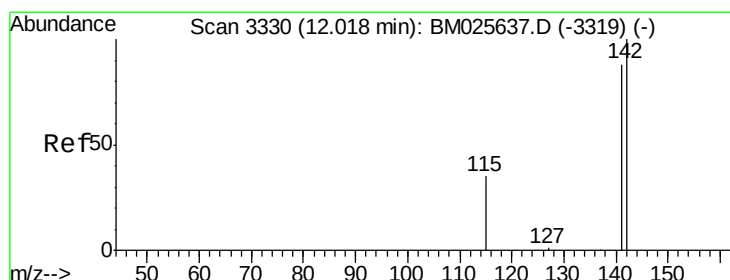
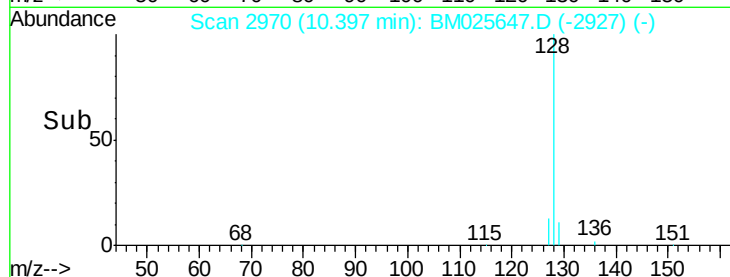
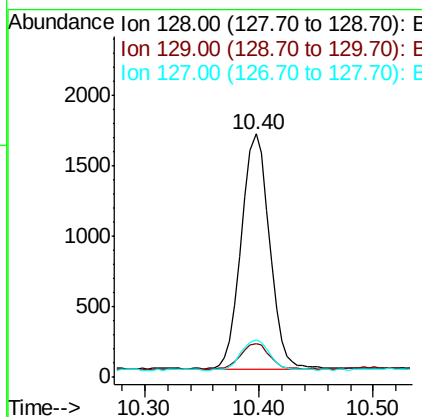
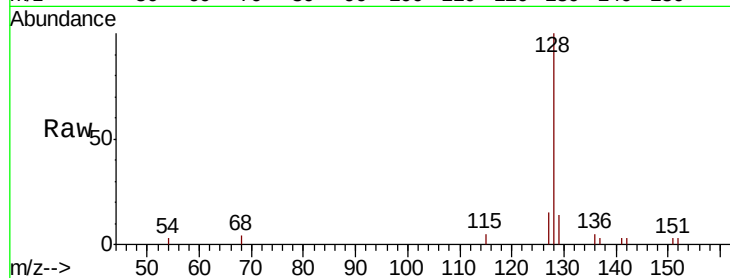
ClientSampleId :

C0AD0DL

Tot Ion:	128	Resp:	2780
Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.4	14.0
127	15.5	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 0.048 ng/ul

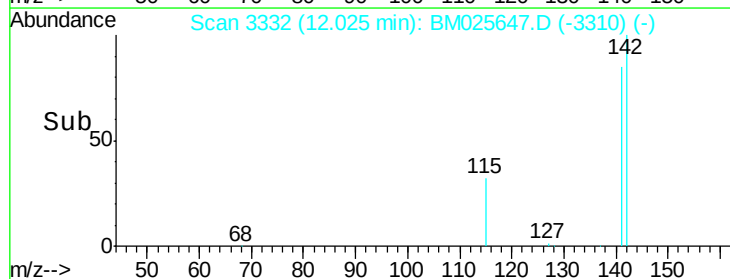
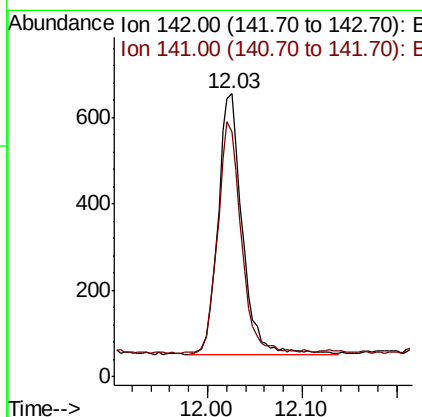
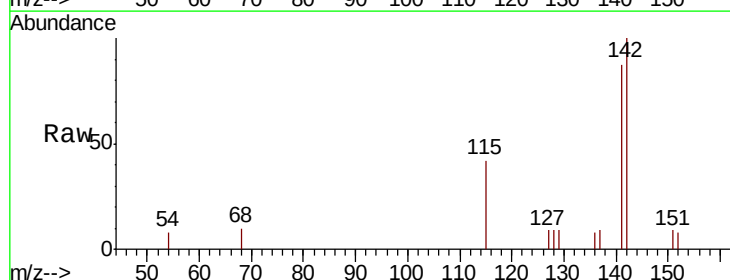
RT: 12.03 min Scan# 3332

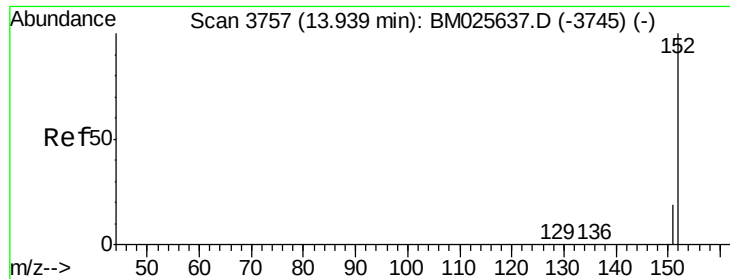
Delta R.T. 0.00 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Tgt Ion:	142	Resp:	1083
Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.8	104.6





#7

Acenaphthylene

Concen: 0.162 ng/ul

RT: 13.94 min Scan# 3757

Delta R.T. -0.00 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Instrument :

BNA_M

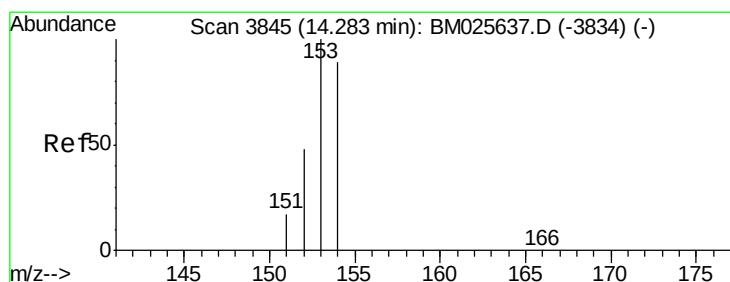
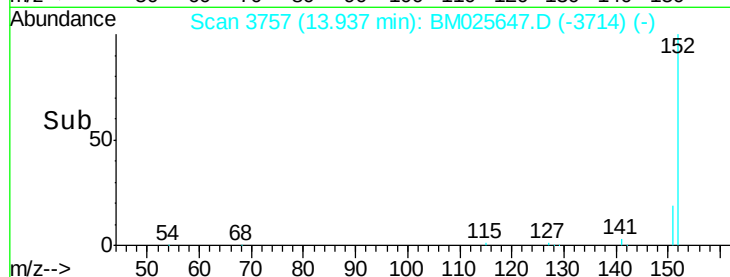
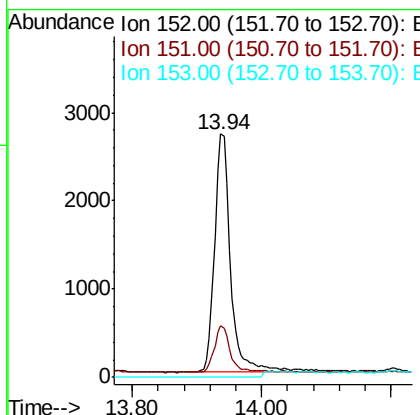
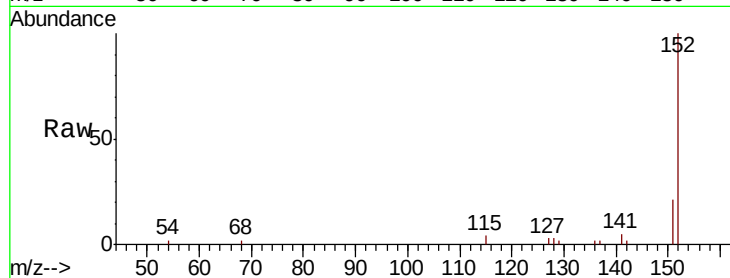
ClientSampleId :

C0AD0DL

Tot Ion:	152	Resp:	4373
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.2	24.2
153	0.0	10.6	16.0#

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#8

Acenaphthene

Concen: 0.168 ng/ul

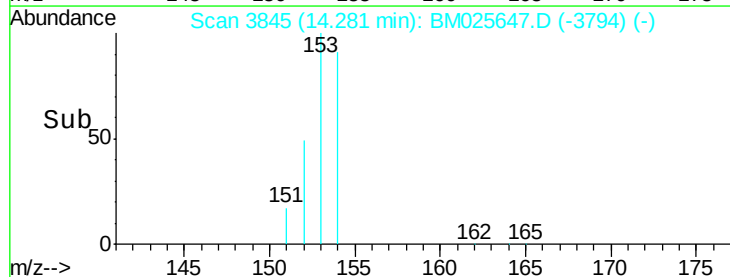
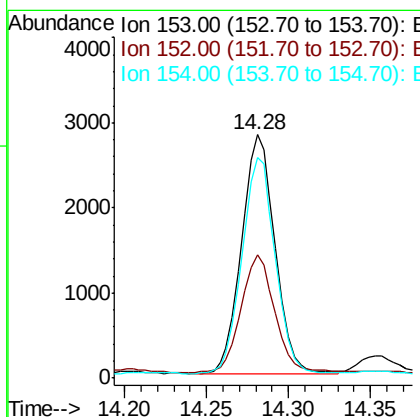
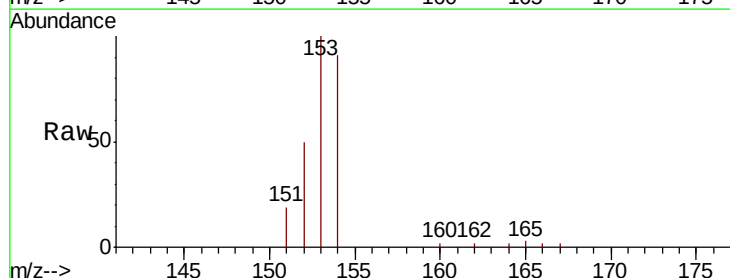
RT: 14.28 min Scan# 3845

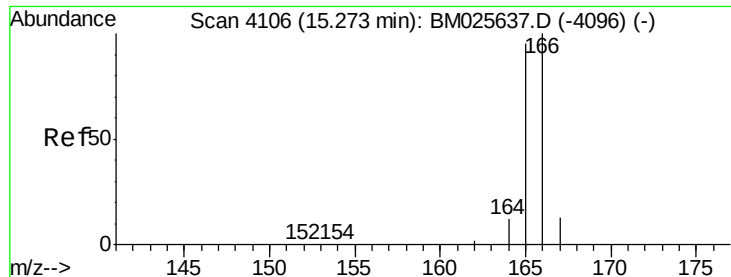
Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Tgt Ion:	153	Resp:	3968
Ion	Ratio	Lower	Upper
153	100		
152	50.4	39.5	59.3
154	90.5	71.7	107.5





#9

Fluorene

Concen: 0.214 ng/ul

RT: 15.27 min Scan# 4106

Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

Tot Ion:166 Resp: 6165

Ion Ratio Lower Upper

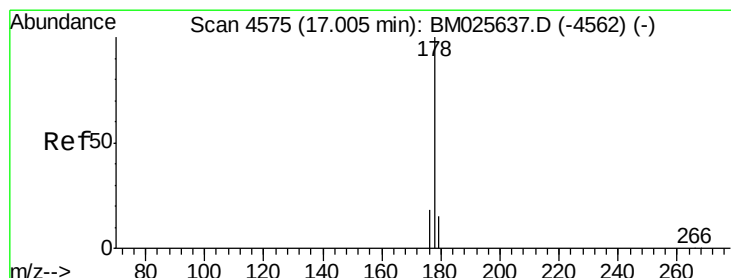
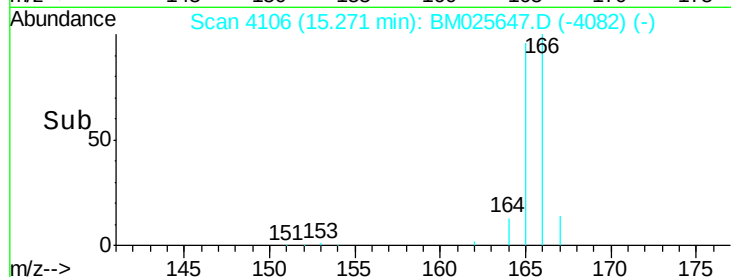
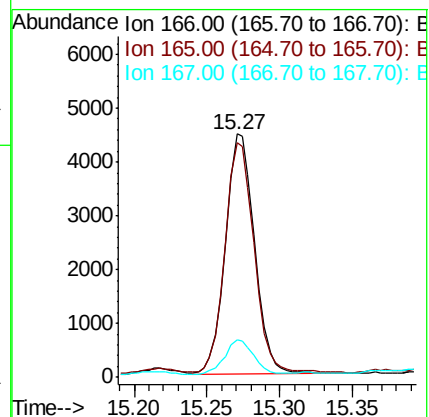
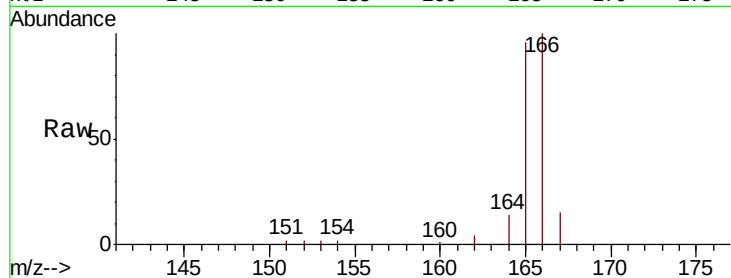
166 100

165 96.2 76.8 115.2

167 15.2 11.2 16.8

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#12

Phenanthrene

Concen: 1.963 ng/ul

RT: 17.00 min Scan# 4575

Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

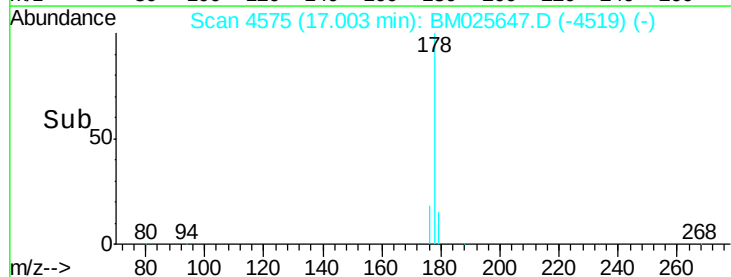
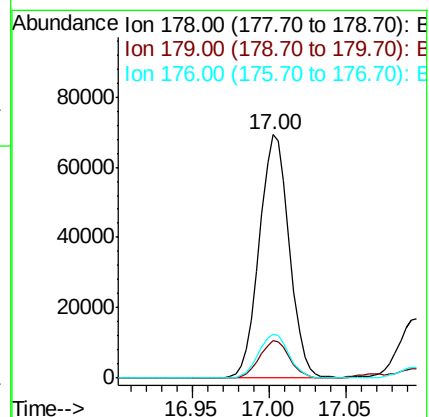
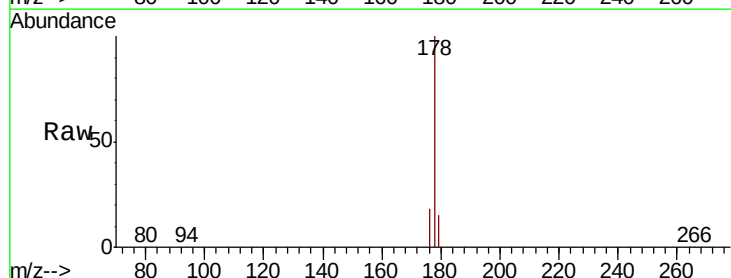
Tgt Ion:178 Resp: 93448

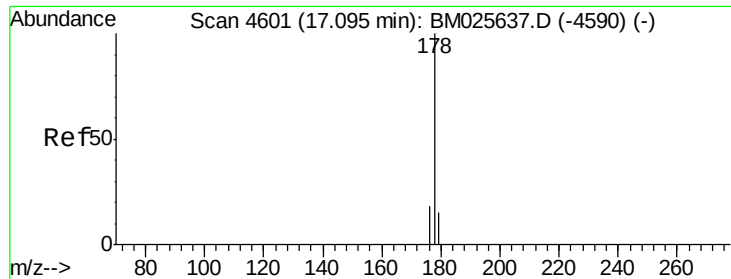
Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

176 18.2 14.8 22.2





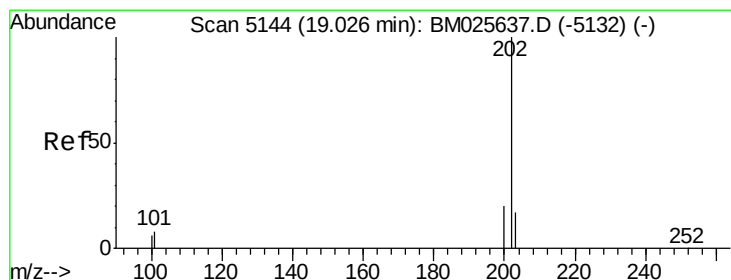
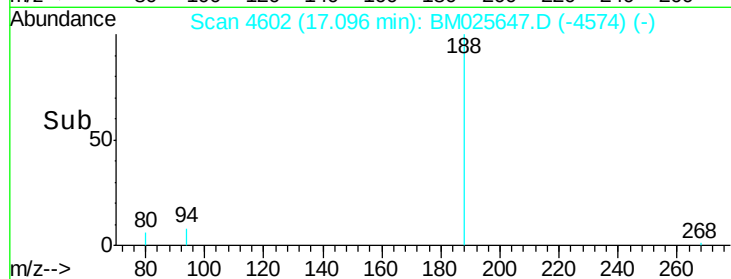
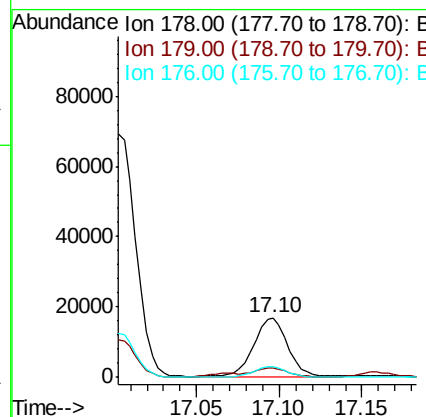
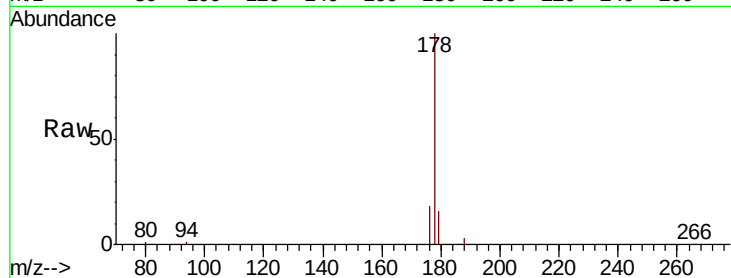
#13
 Anthracene
 Concen: 0.575 ng/ul
 RT: 17.10 min Scan# 4602
 Delta R.T. -0.00 min
 Lab File: BM025647.D
 Acq: 19 Mar 2020 02:34

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8
176	18.0	14.5	21.7

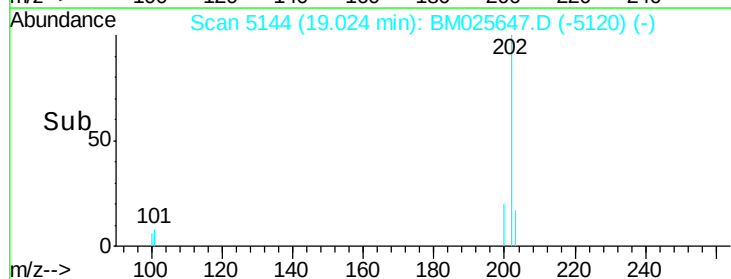
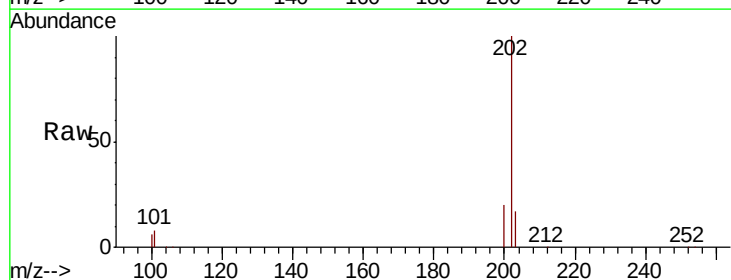
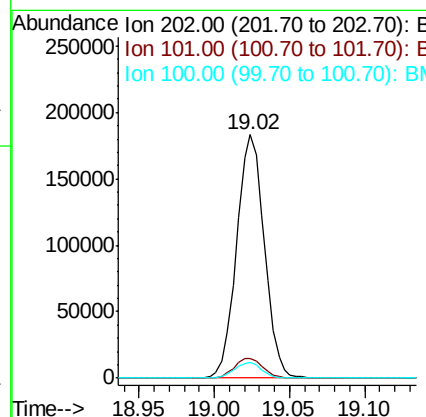
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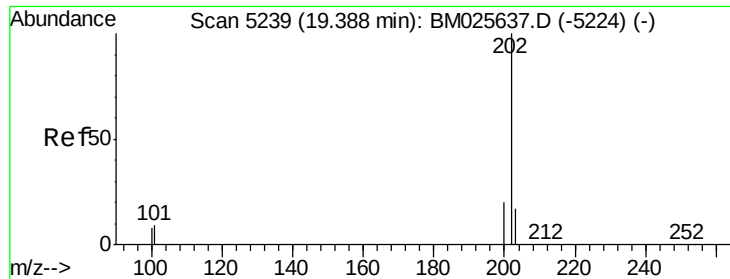
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#15
 Fluoranthene
 Concen: 4.527 ng/ul
 RT: 19.02 min Scan# 5144
 Delta R.T. -0.01 min
 Lab File: BM025647.D
 Acq: 19 Mar 2020 02:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.5
100	6.4	0.0	26.0





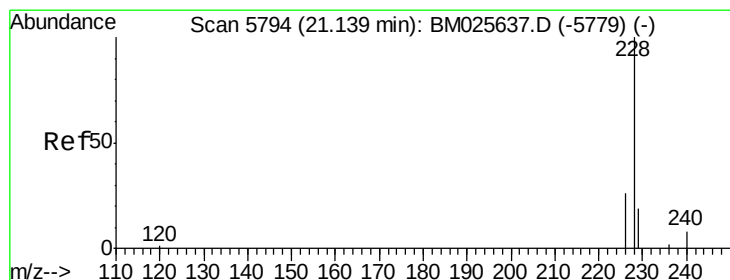
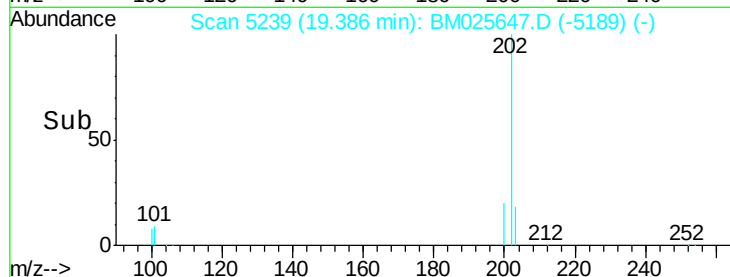
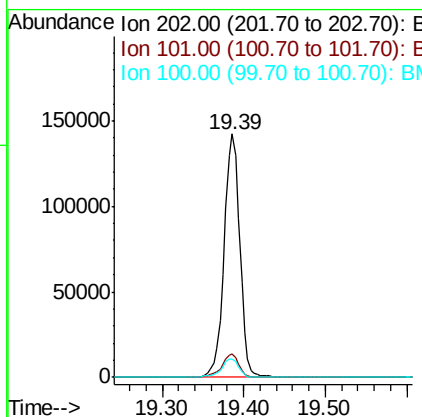
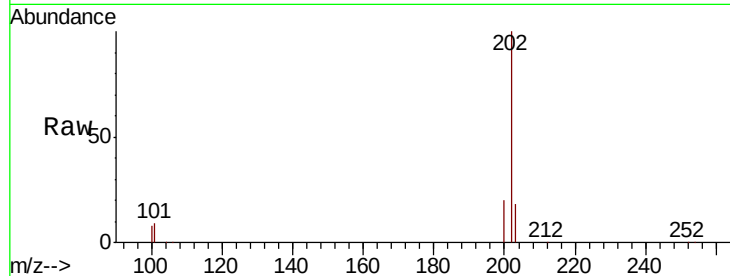
#17
Pvrene
Concen: 2.663 ng/ul
RT: 19.39 min Scan# 5239
Delta R.T. -0.01 min
Lab File: BM025647.D
Acq: 19 Mar 2020 02:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	189197		
101	9.4	7.1	10.7	
100	7.8	6.0	9.0	

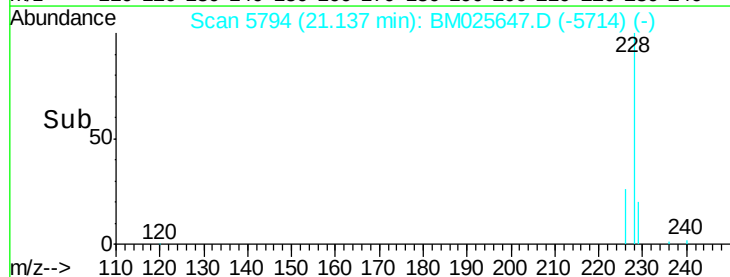
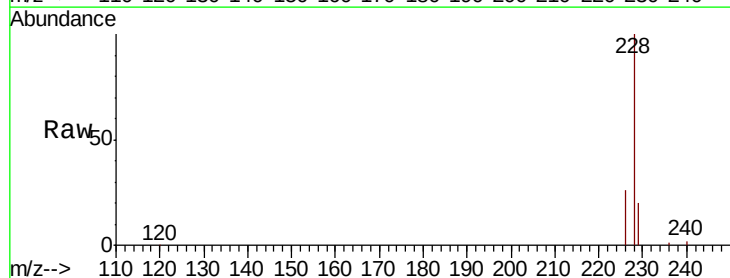
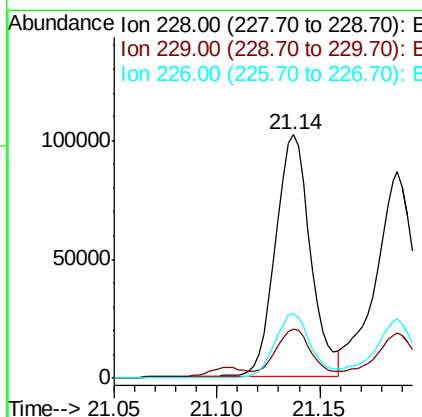
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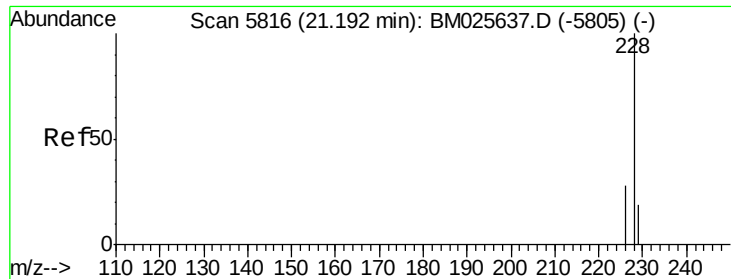
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#18
Benzo(a)anthracene
Concen: 2.148 ng/ul
RT: 21.14 min Scan# 5794
Delta R.T. -0.01 min
Lab File: BM025647.D
Acq: 19 Mar 2020 02:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	121582		
229	20.4	15.6	23.4	
226	26.4	21.1	31.7	





#19

Chrysene

Concen: 1.808 ng/ul

RT: 21.19 min Scan# 5815

Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Instrument :

BNA_M

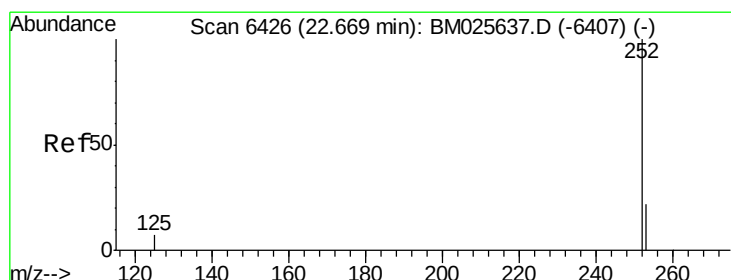
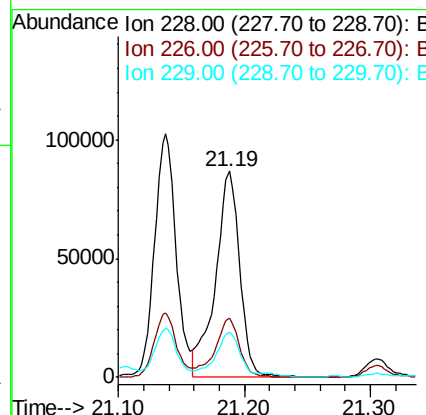
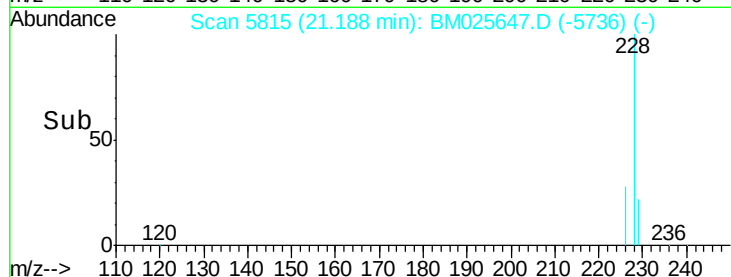
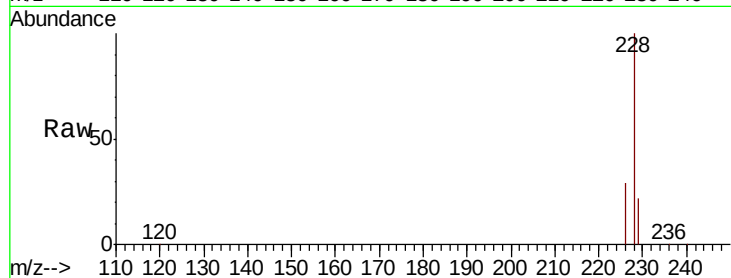
ClientSampleId :

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Tot Ion:	228	Resp:	114874
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.6	35.4
229	22.1	16.3	24.5

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#21

Benzo(b)fluoranthene

Concen: 2.202 ng/ul m

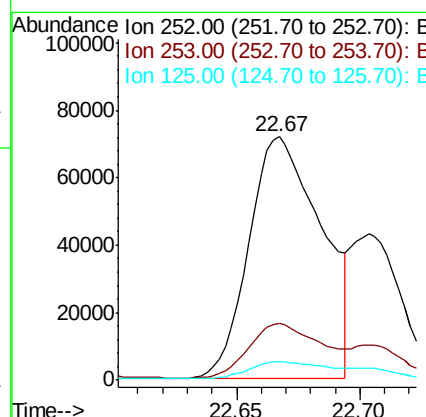
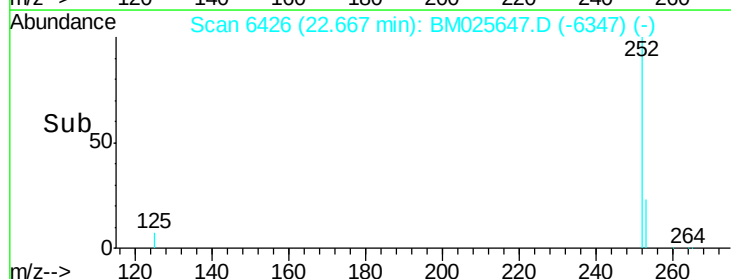
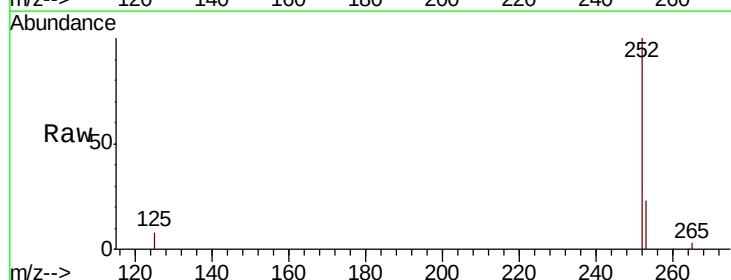
RT: 22.67 min Scan# 6426

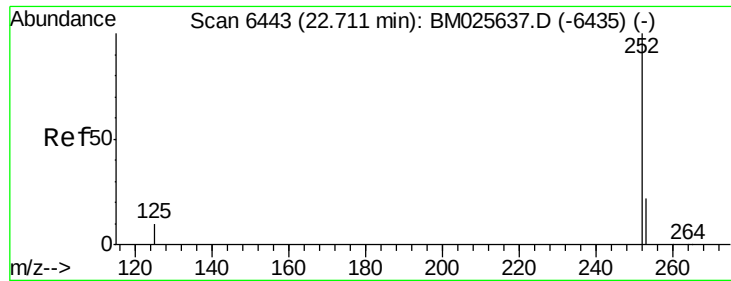
Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Tgt Ion:	252	Resp:	146050
Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	50.2
125	7.6	0.0	17.6





#22

Benzo(k)fluoranthene

Concen: 0.849 ng/ul m

RT: 22.70 min Scan# 6441

Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Instrument :

BNA_M

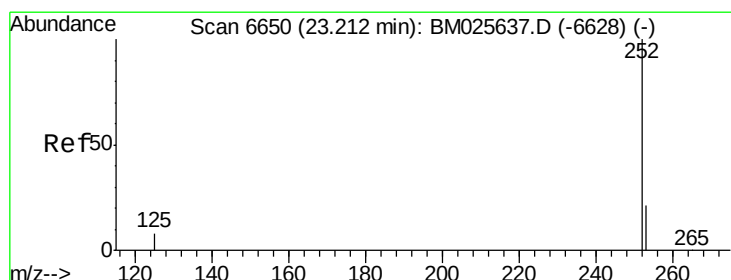
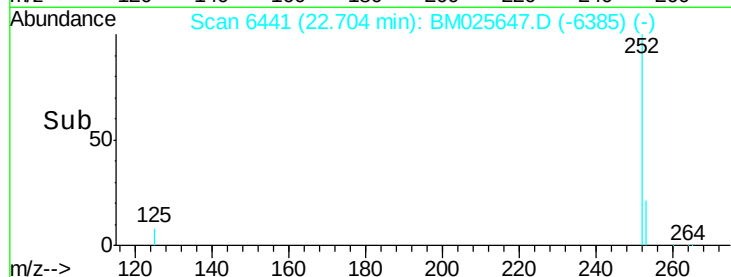
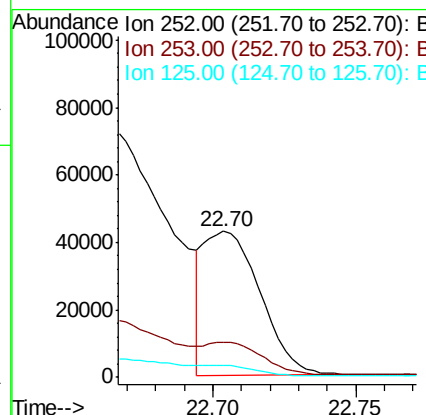
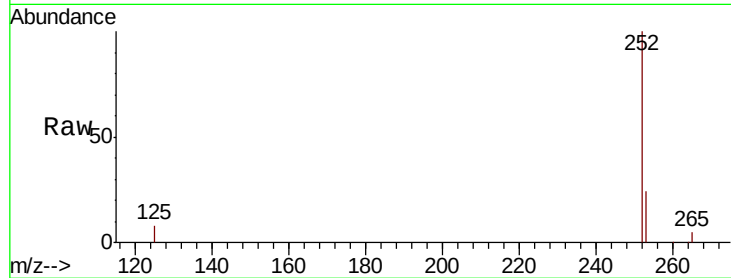
ClientSampleId :

C0AD0DL

Tot Ion:	252	Resp:	59029
Ion Ratio	Lower	Upper	
252	100		
253	24.0	19.8	29.8
125	8.3	7.1	10.7

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#23

Benzo(a)pyrene

Concen: 1.816 ng/ul m

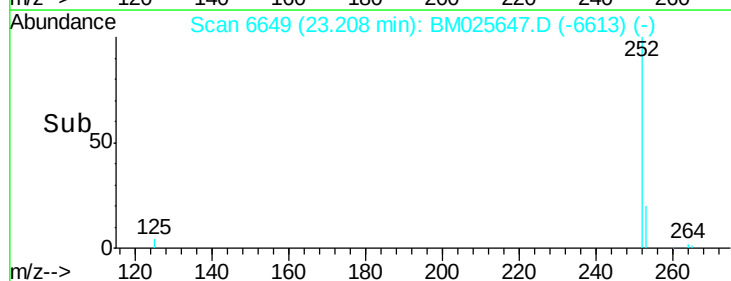
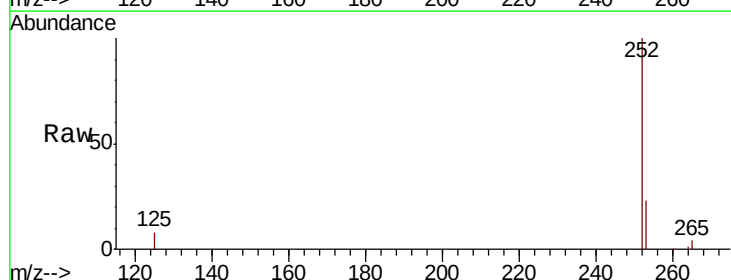
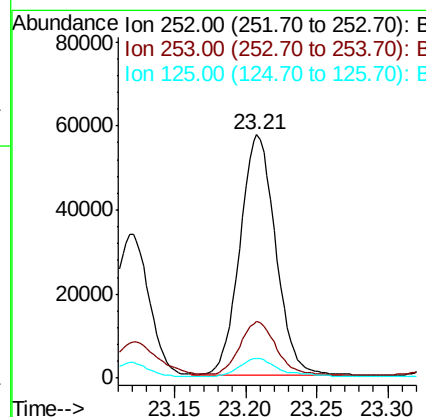
RT: 23.21 min Scan# 6649

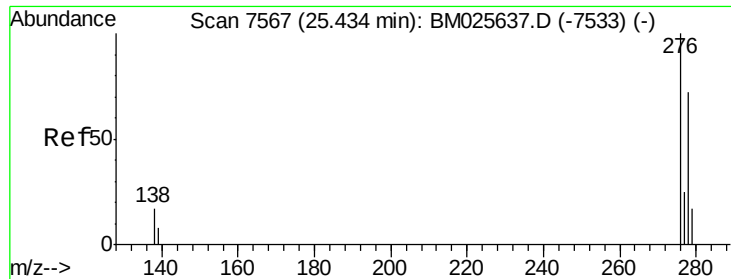
Delta R.T. -0.01 min

Lab File: BM025647.D

Acq: 19 Mar 2020 02:34

Tgt Ion:	252	Resp:	100017
Ion Ratio	Lower	Upper	
252	100		
253	23.3	21.3	31.9
125	8.0	8.5	12.7#





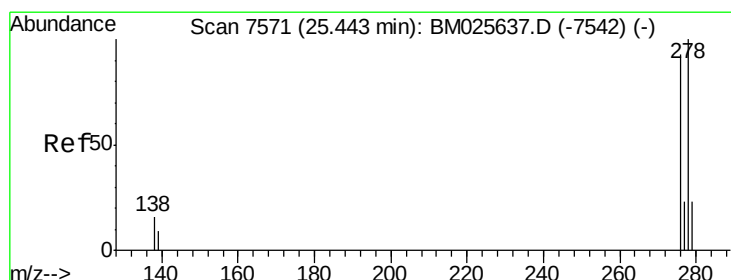
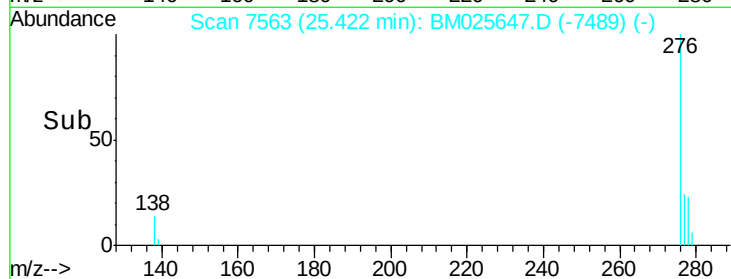
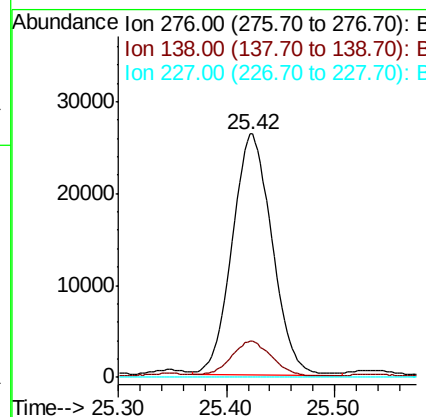
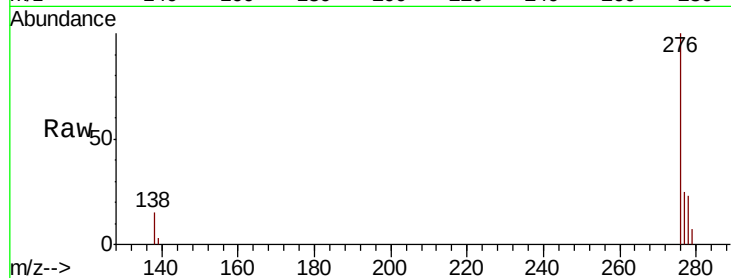
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.899 ng/ul
 RT: 25.42 min Scan# 7563
 Delta R.T. -0.02 min
 Lab File: BM025647.D
 Acq: 19 Mar 2020 02:34

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	12.3	18.5
227	0.0	0.0	0.0

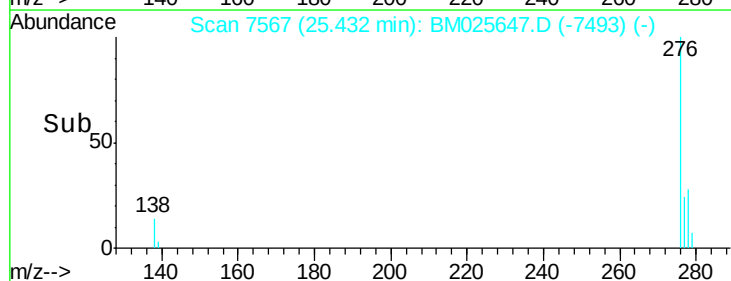
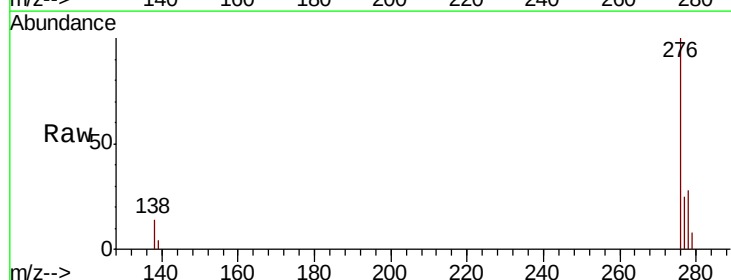
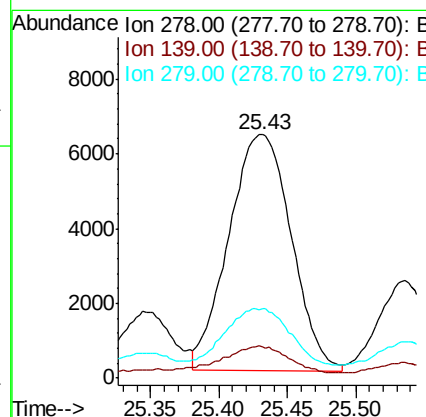
Manual Integrations
 APPROVED

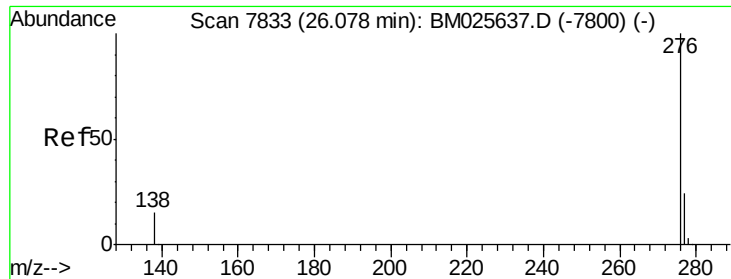
mohammad
 3/19/2020 2:22:31 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.319 ng/ul
 RT: 25.43 min Scan# 7567
 Delta R.T. -0.02 min
 Lab File: BM025647.D
 Acq: 19 Mar 2020 02:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	9.0	13.6
279	28.8	21.1	31.7





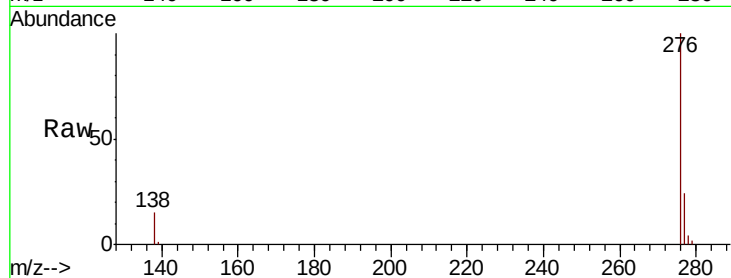
#26
 Benzo(a,h,i)perylene
 Concen: 0.699 ng/ul
 RT: 26.07 min Scan# 7831
 Delta R.T. -0.01 min
 Lab File: BM025647.D
 Acq: 19 Mar 2020 02:34

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.1	11.0	16.4
277	24.1	19.8	29.6

Manual Integrations
 APPROVED

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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

