

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
 Data File : BM028687.D
 Acq On : 09 Feb 2021 16:40
 Operator : CG/JU
 Sample : M1310-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0A39

Manual Integrations
 APPROVED

mohammad
 2/10/2021 12:15:39 PM

Quant Time: Feb 09 17:15:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 10:35:42 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	26492	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	104769	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.55	164	58824	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.29	188	117539	20.00	ng/ul	0.00
78) Chrysene-d12	21.45	240	108276	20.00	ng/ul	0.02
86) Perylene-d12	23.69	264	127758m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	1537	2.44	ng/uL	0.00
5) Phenol-d5	7.07	99	31047	13.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	20880	14.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	30566	15.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	26601	14.56	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	13914	15.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	16034	16.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	28700	16.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	25044	12.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.96	166	83797	17.94	ng/ul	0.00
47) Acenaphthylene-d8	14.24	160	107933	18.09	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	7500	8.57	ng/ul	0.00
58) Fluorene-d10	15.54	176	72457	17.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.67	200	10918	13.50	ng/ul	0.00
71) Anthracene-d10	17.39	188	113935	18.83	ng/ul	0.00
79) Pyrene-d10	19.67	212	119354	18.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.55	264	127408	17.57	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	7.09	94	5916	2.629	ng/ul 96
14) Acetophenone	8.73	105	7079	2.619	ng/ul 96
28) Naphthalene	10.75	128	19099	3.165	ng/ul 97
34) 2-Methylnaphthalene	12.36	142	9282	2.319	ng/ul 98
48) Acenaphthylene	14.27	152	75070	12.572	ng/ul 100
50) Acenaphthene	14.61	153	27769	6.544	ng/ul 97
54) Dibenzofuran	14.95	168	48670	8.547	ng/ul 96
59) Fluorene	15.59	166	52117	11.125	ng/ul 97
70) Phenanthrene	17.34	178	2317558	319.330	ng/ul 99
72) Anthracene	17.42	178	493561	66.624	ng/ul 99
75) Carbazole	17.69	167	317617	50.444	ng/ul 100
77) Fluoranthene	19.36	202	3938282	498.709	ng/ul 97
80) Pyrene	19.72	202	3465575	413.724	ng/ul 98
83) Benzo(a)anthracene	21.43	228	1952487	259.466	ng/ul 97
85) Chrysene	21.49	228	1858260	254.686	ng/ul 95
88) Benzo(b)fluoranthene	23.03	252	2117110m	244.781	ng/ul
89) Benzo(k)fluoranthene	23.07	252	734621m	86.754	ng/ul
91) Benzo(a)pyrene	23.62	252	1393711	174.532	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.99	276	983233m	101.005	ng/ul
93) Dibenzo(a,h)anthracene	25.99	278	336471m	41.012	ng/ul
94) Benzo(a,h,i)perylene	26.70	276	804740m	99.081	ng/ul

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Instrument :
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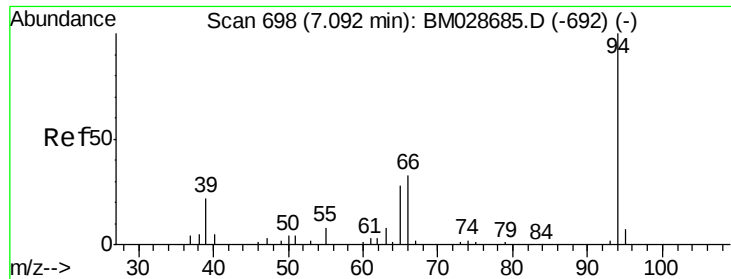
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Quant Time: Feb 09 17:15:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#6

Phenol

Concen: 2.629 ng/ul

RT: 7.09 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM028687.D

Acq: 09 Feb 2021 16:40

Instrument :

BNA_M

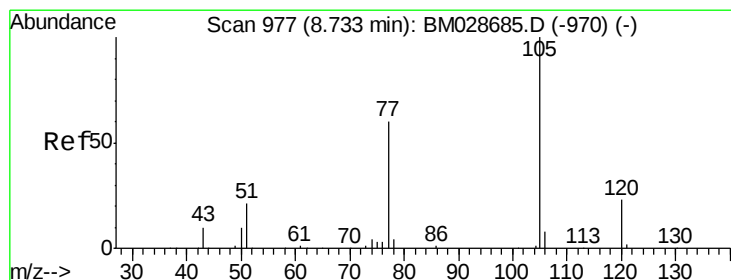
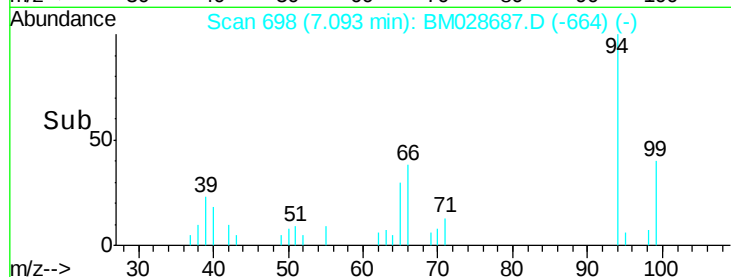
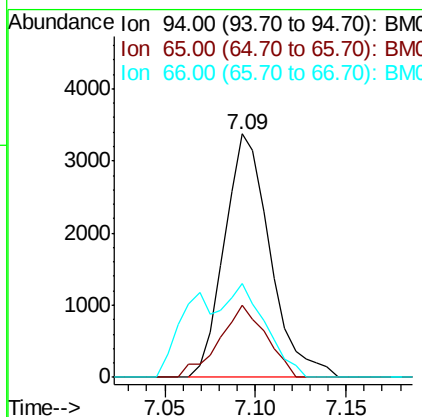
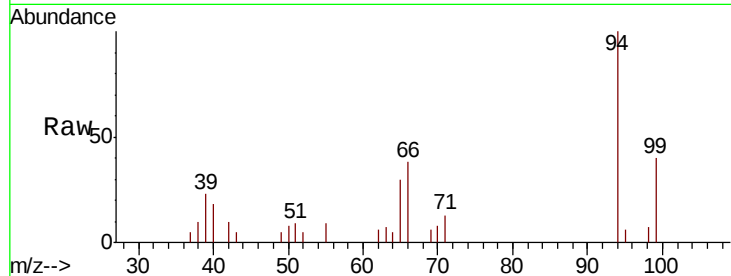
ClientSampleId :

C0A39

Tot Ion:	94	Resp:	5916
Ion	Ratio	Lower	Upper
94	100		
65	29.7	25.6	38.4
66	38.4	33.0	49.4

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#14

Acetophenone

Concen: 2.619 ng/ul

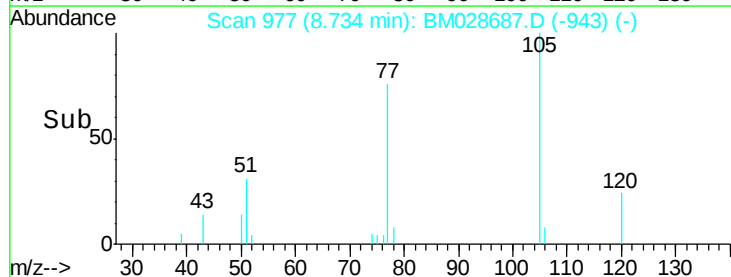
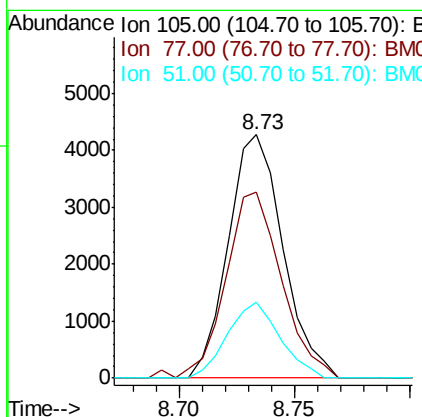
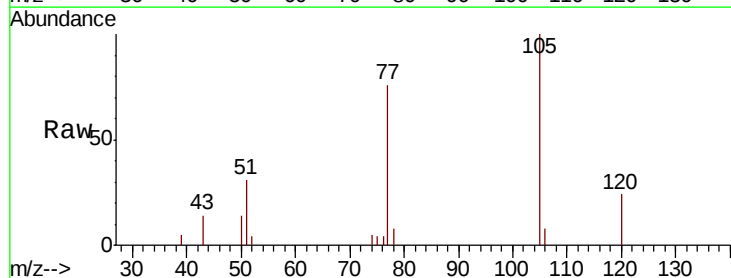
RT: 8.73 min Scan# 977

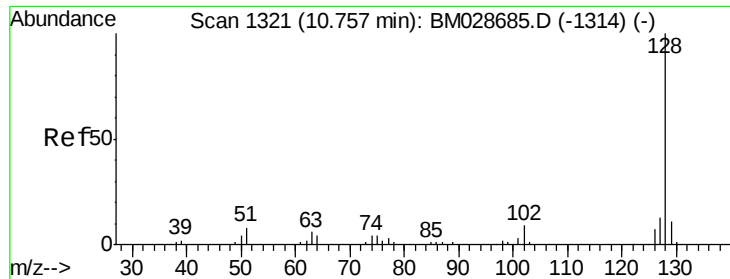
Delta R.T. 0.00 min

Lab File: BM028687.D

Acq: 09 Feb 2021 16:40

Tgt Ion:	105	Resp:	7079
Ion	Ratio	Lower	Upper
105	100		
77	76.2	63.2	94.8
51	31.1	27.6	41.4





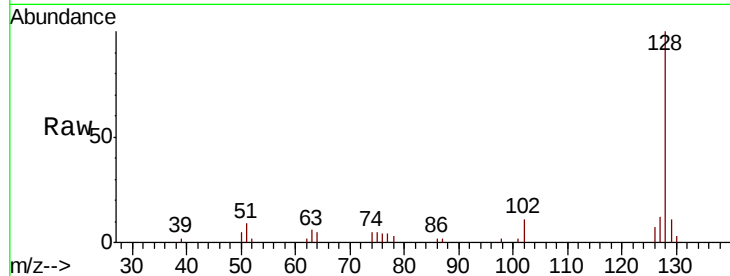
#28
Naphthalene
Concen: 3.165 ng/ul
RT: 10.75 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
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ClientSampleId :
C0A39

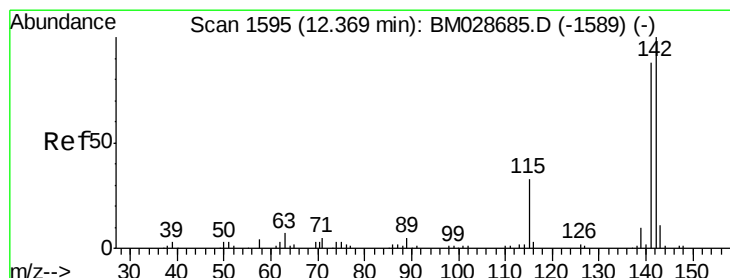
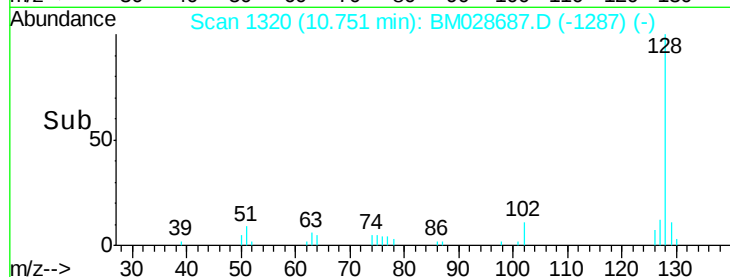
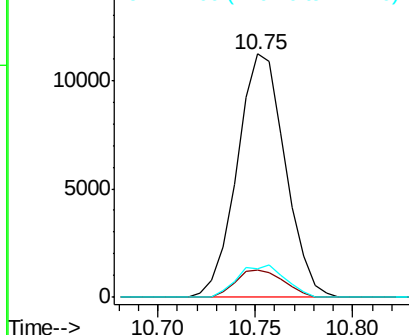
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	11.9	10.6	16.0

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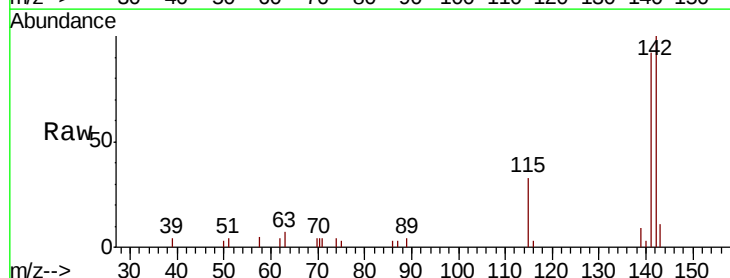


Abundance Ion 128.00 (127.70 to 128.70): E
15000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

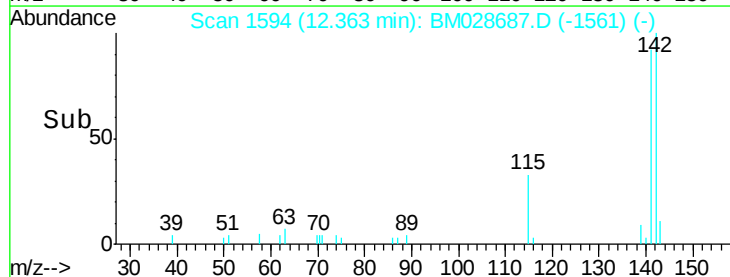
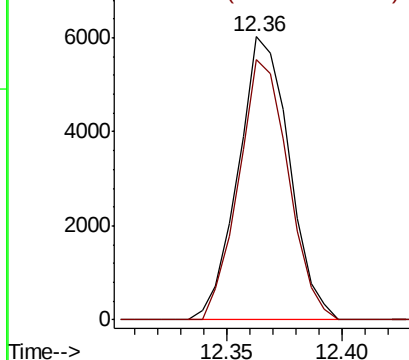


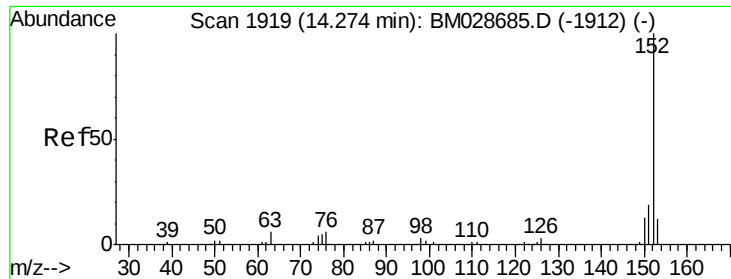
#34
2-Methylnaphthalene
Concen: 2.319 ng/ul
RT: 12.36 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	71.9	107.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#48

Acenaphthylene

Concen: 12.572 ng/ul

RT: 14.27 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BM028687.D

Acq: 09 Feb 2021 16:40

Instrument :

BNA_M

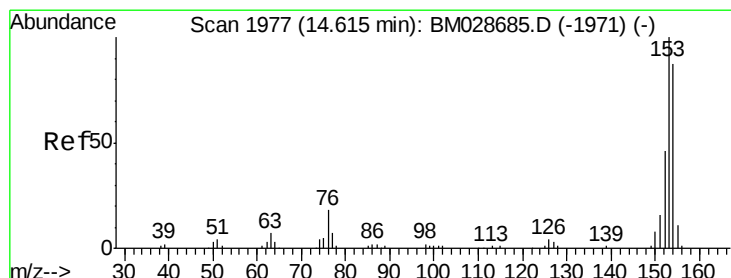
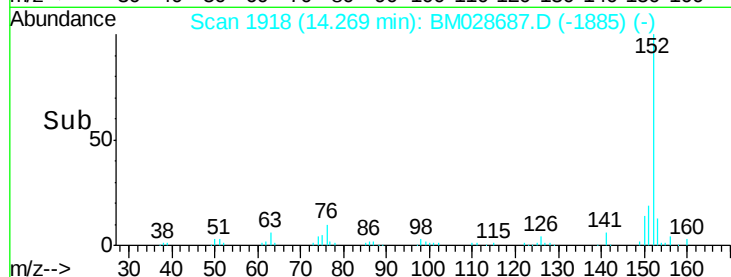
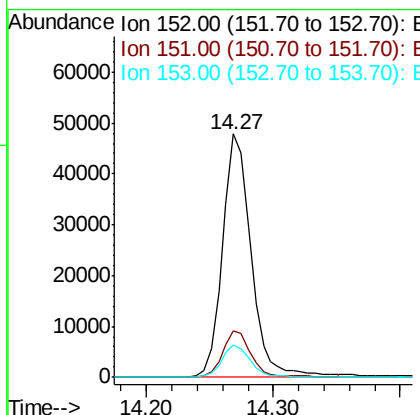
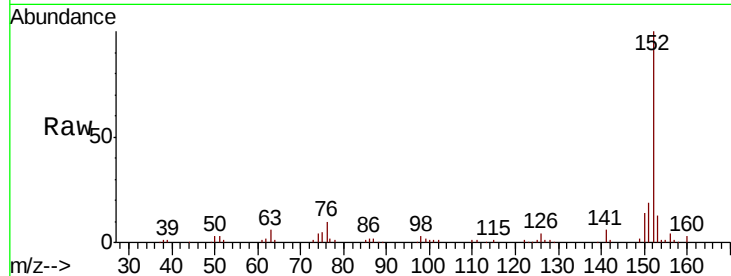
ClientSampleId :

C0A39

Tot Ion:	152	Resp:	75070
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0
153	13.1	10.4	15.6

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#50

Acenaphthene

Concen: 6.544 ng/ul

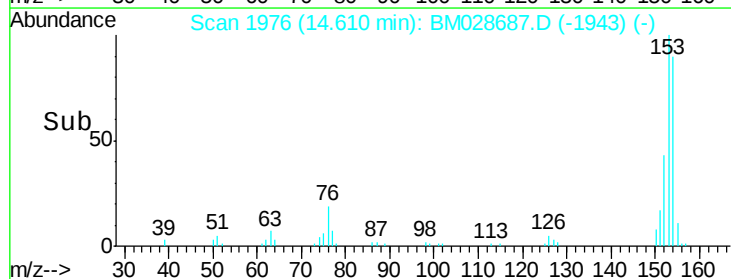
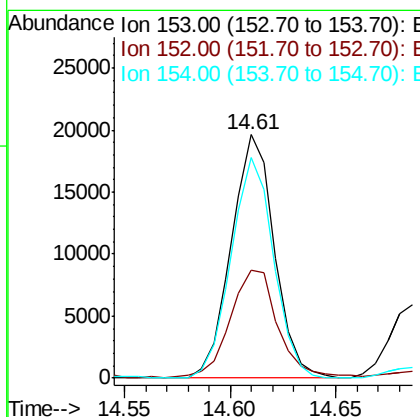
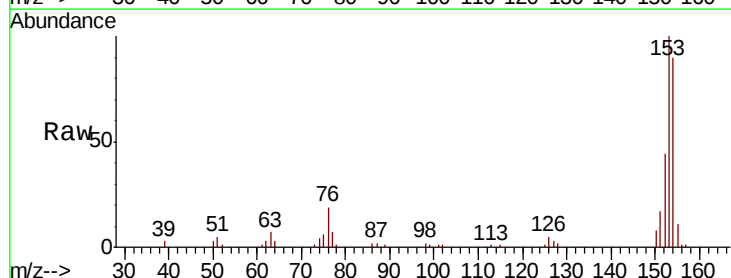
RT: 14.61 min Scan# 1976

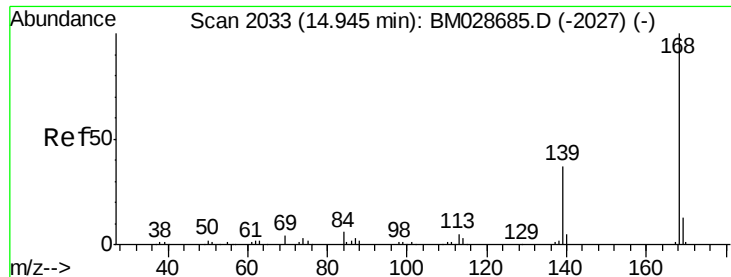
Delta R.T. -0.01 min

Lab File: BM028687.D

Acq: 09 Feb 2021 16:40

Tgt Ion:	153	Resp:	27769
Ion	Ratio	Lower	Upper
153	100		
152	44.4	37.0	55.6
154	90.3	70.4	105.6





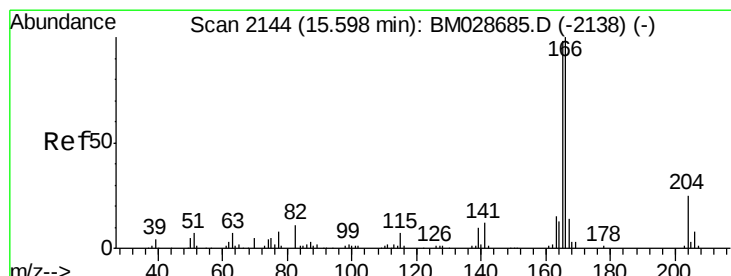
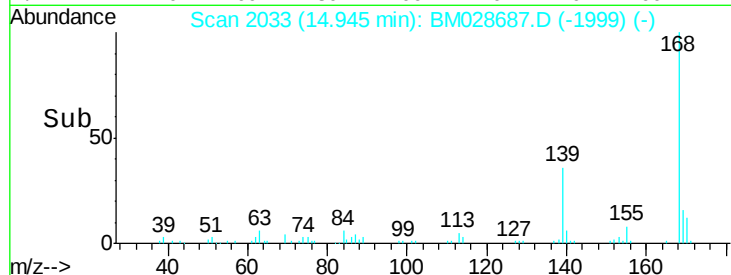
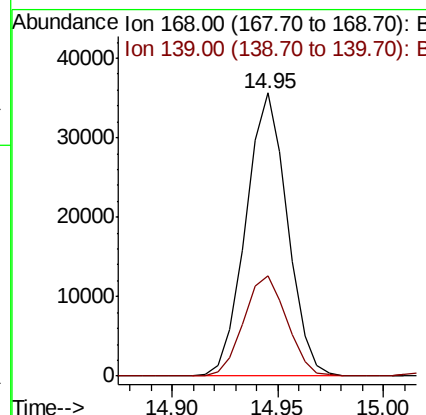
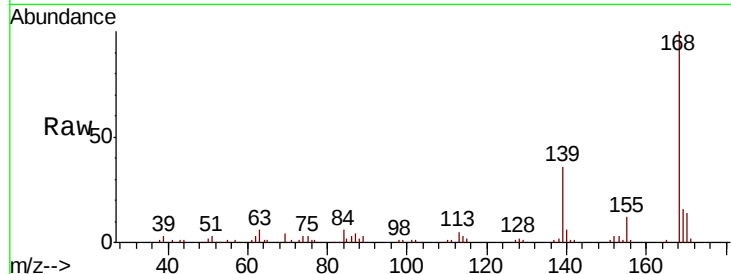
#54
Dibenzenofuran
Concen: 8.547 ng/ul
RT: 14.95 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampleId :
C0A39

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.6	30.2	45.2

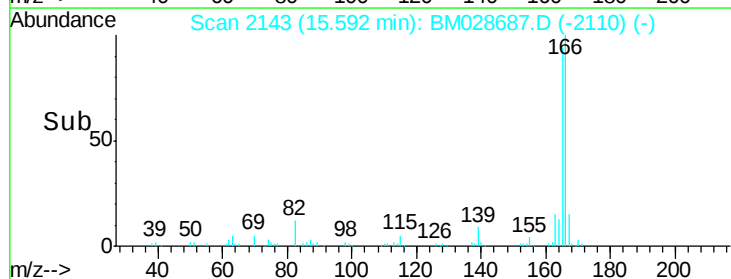
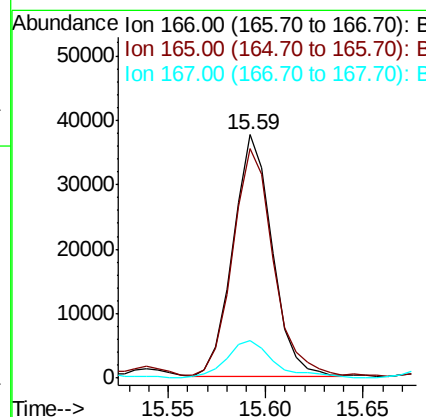
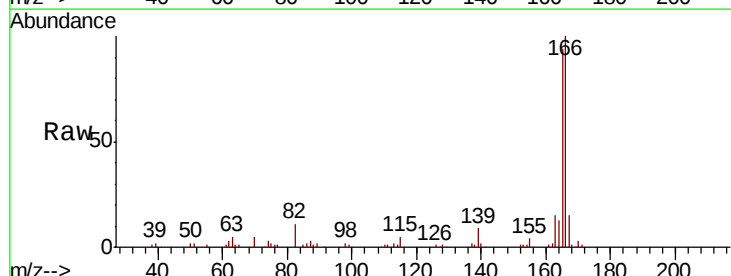
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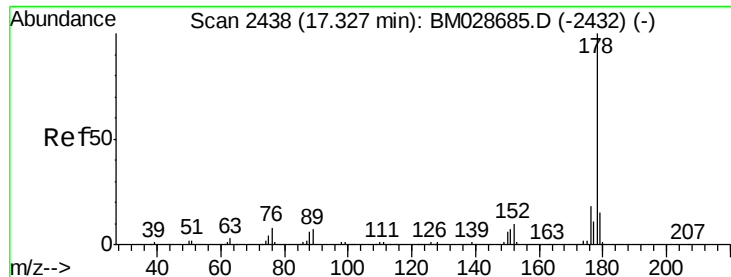
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#59
Fluorene
Concen: 11.125 ng/ul
RT: 15.59 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	78.0	117.0
167	15.3	11.0	16.4





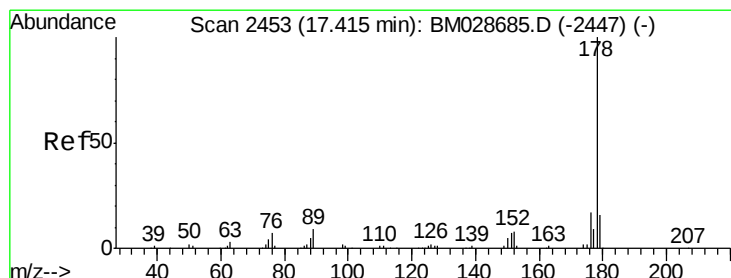
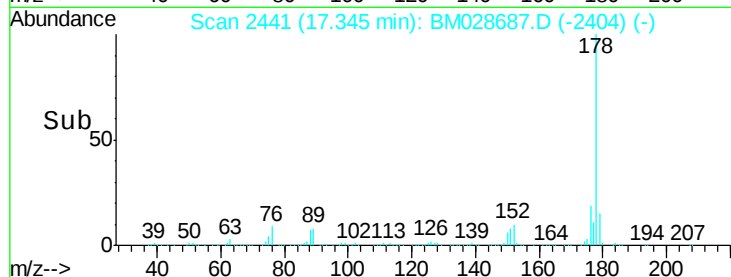
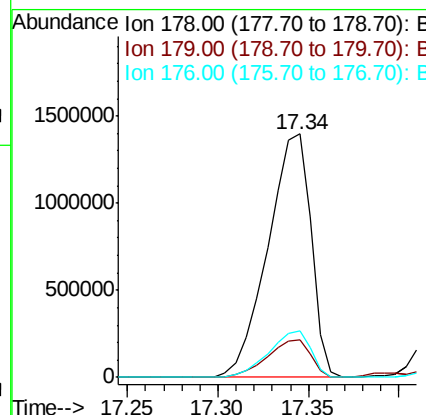
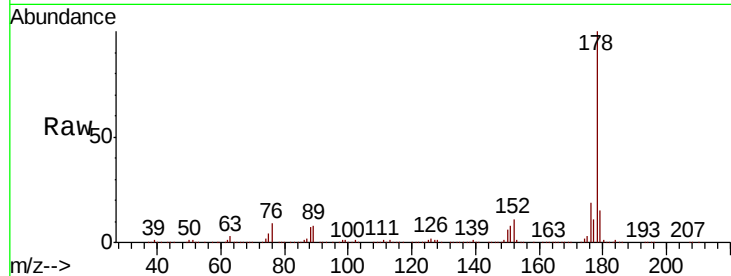
#70
Phenanthrene
Concen: 319.330 ng/ul
RT: 17.34 min Scan# 2441
Delta R.T. 0.02 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampleId :
C0A39

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	18.9	14.6	22.0

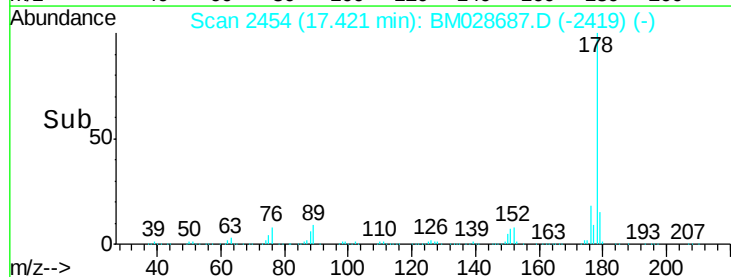
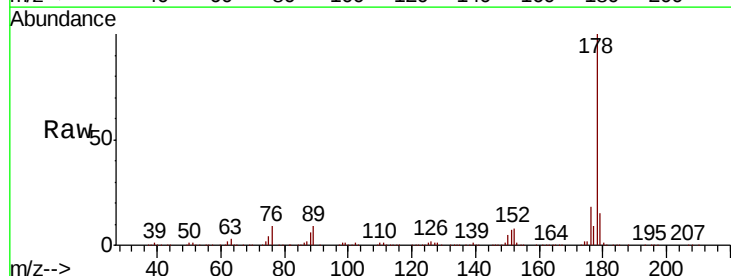
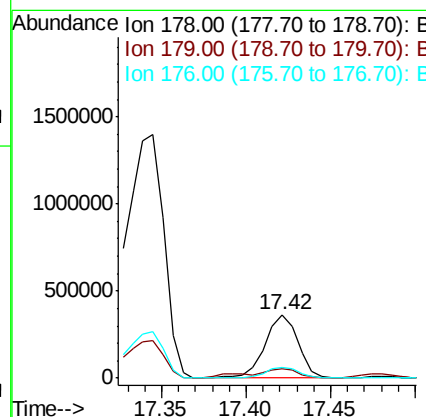
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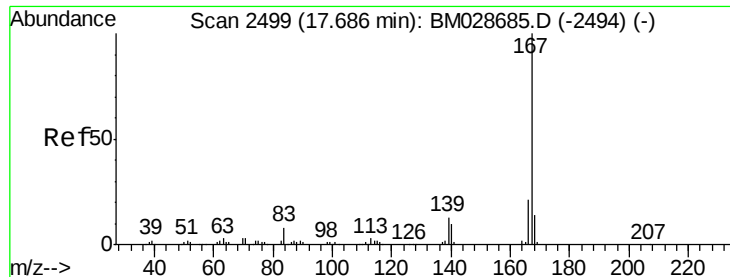
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#72
Anthracene
Concen: 66.624 ng/ul
RT: 17.42 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	17.6	14.2	21.2





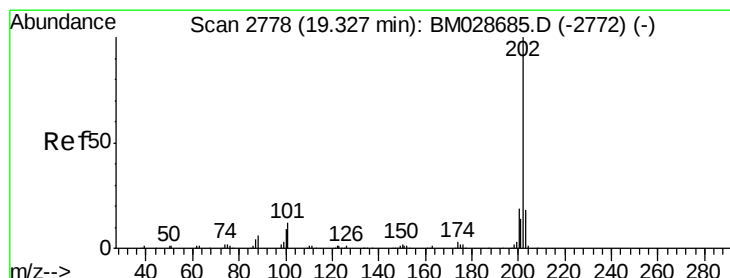
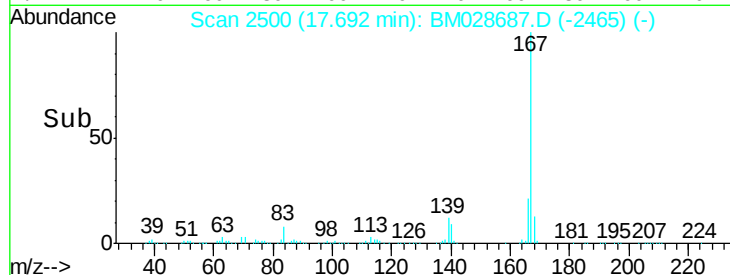
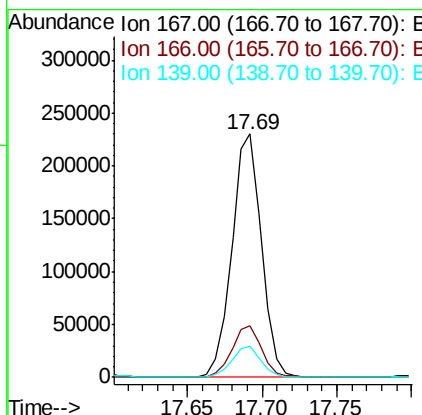
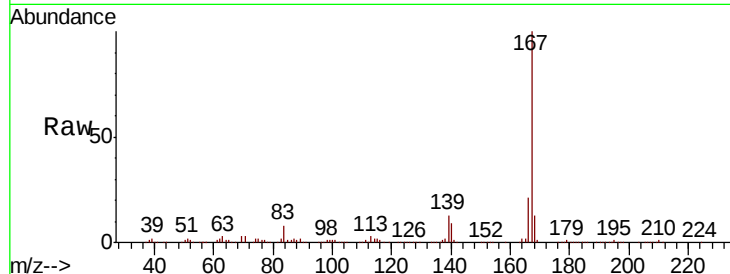
#75
 Carbazole
 Concen: 50.444 ng/ul
 RT: 17.69 min Scan# 2500
 Delta R.T. 0.01 min
 Lab File: BM028687.D
 Acq: 09 Feb 2021 16:40

Instrument :
 BNA_M
 ClientSampleId :
 C0A39

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	16.7	25.1
139	12.5	10.2	15.4

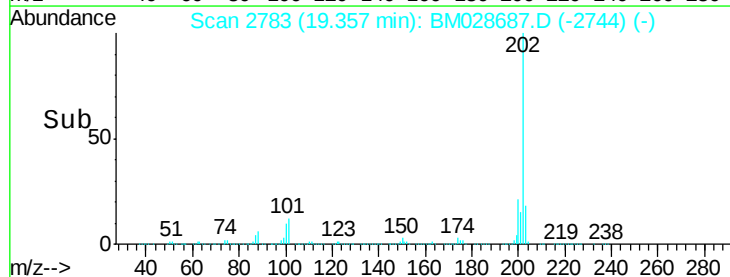
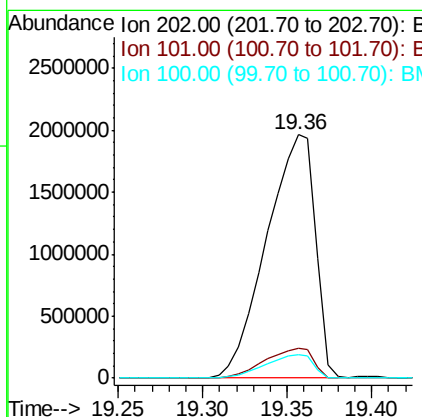
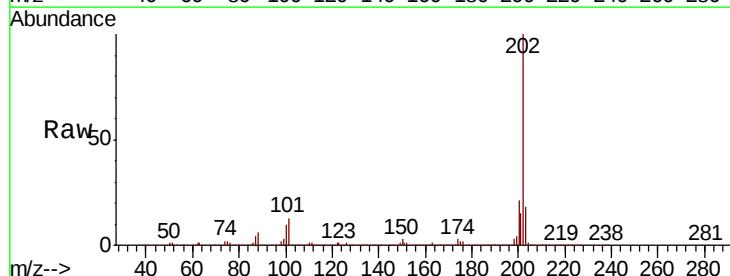
Manual Integrations
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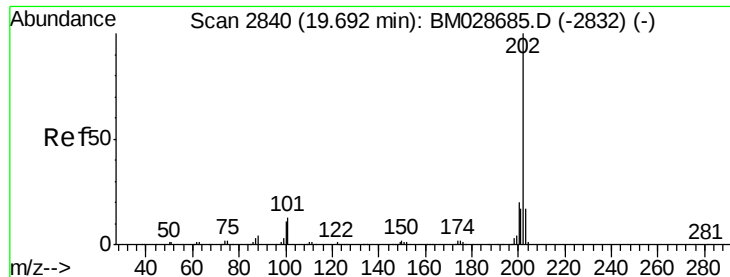
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#77
 Fluoranthene
 Concen: 498.709 ng/ul
 RT: 19.36 min Scan# 2783
 Delta R.T. 0.03 min
 Lab File: BM028687.D
 Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	8.9	13.3
100	9.8	7.0	10.6





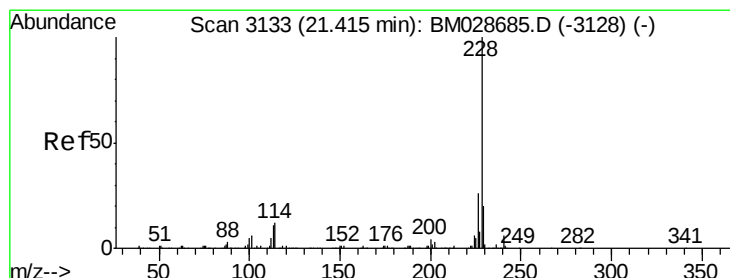
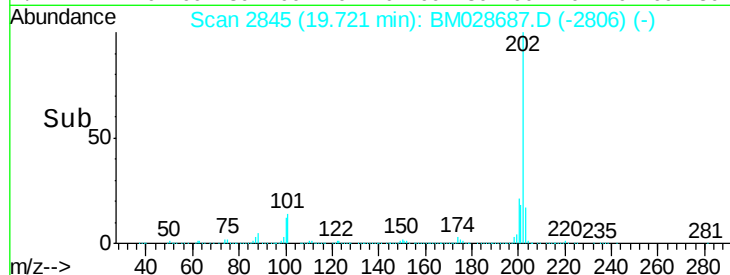
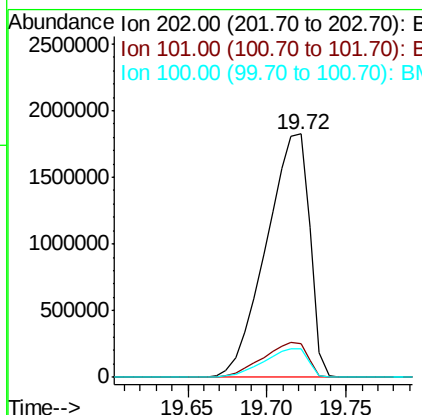
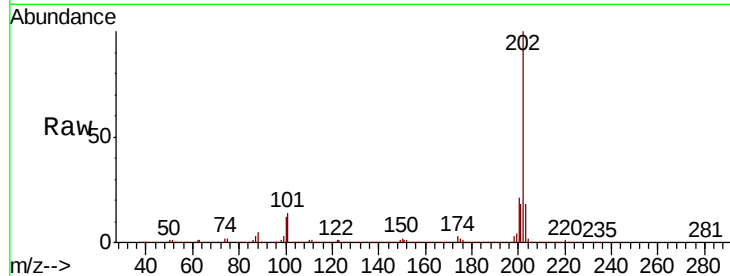
#80
Pvrene
Concen: 413.724 ng/ul
RT: 19.72 min Scan# 2845
Delta R.T. 0.03 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampled :
C0A39

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.6	15.8
100	11.7	8.9	13.3

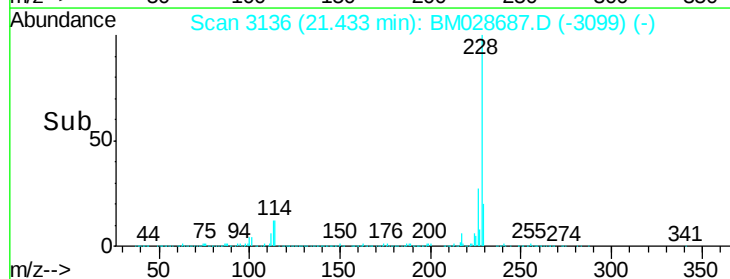
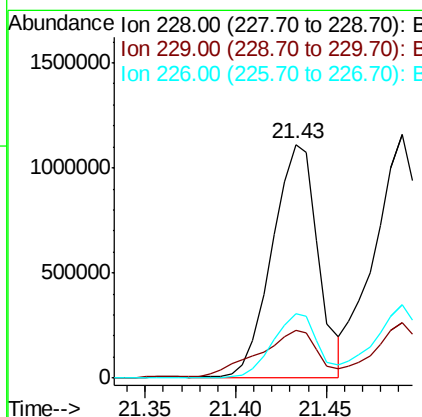
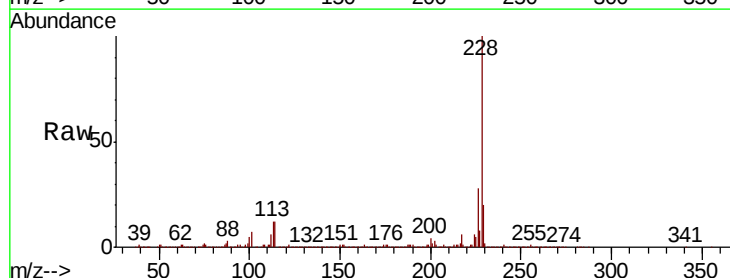
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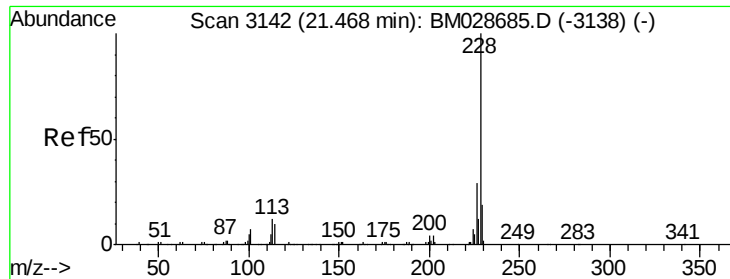
mohammad
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#83
Benzo(a)anthracene
Concen: 259.466 ng/ul
RT: 21.43 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.2
226	27.5	20.6	30.8





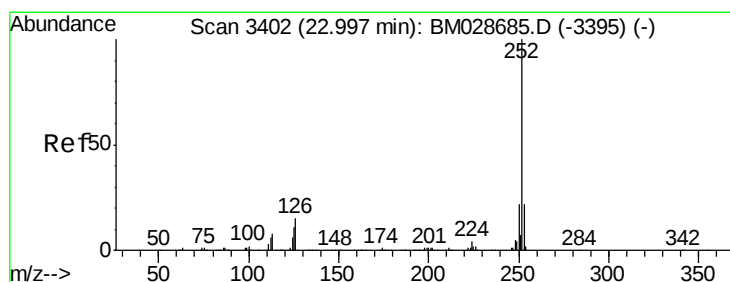
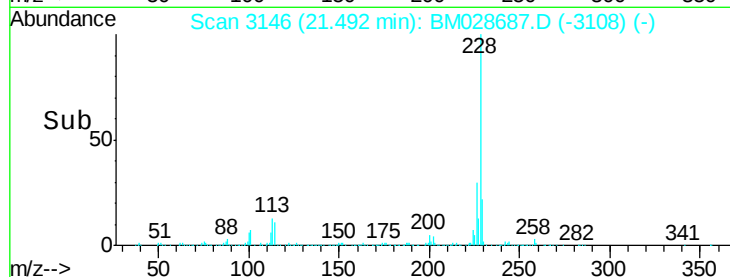
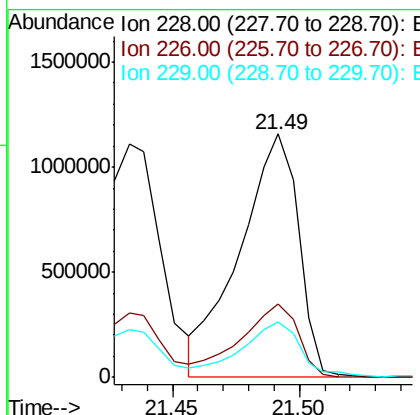
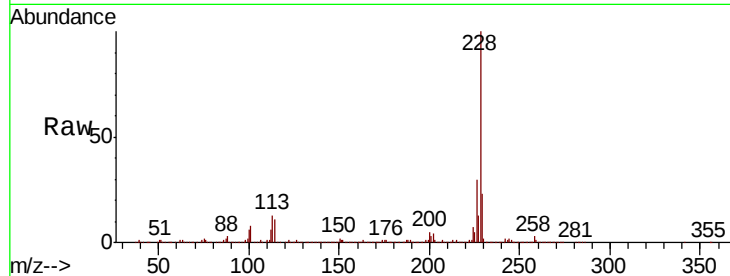
#85
Chrysene
Concen: 254.686 ng/ul
RT: 21.49 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampled :
C0A39

Tot Ion:228 Resp: 1858260
Ion Ratio Lower Upper
228 100
226 30.0 22.8 34.2
229 22.8 15.7 23.5

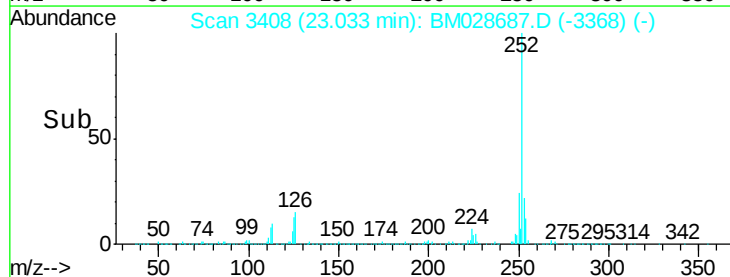
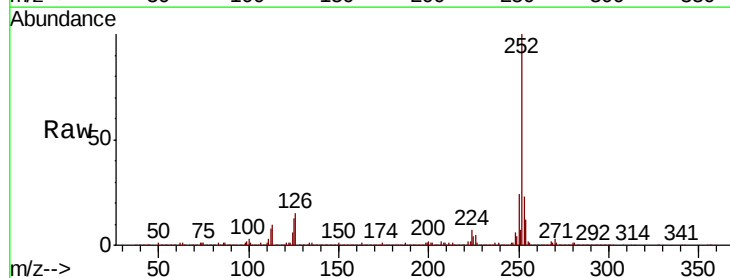
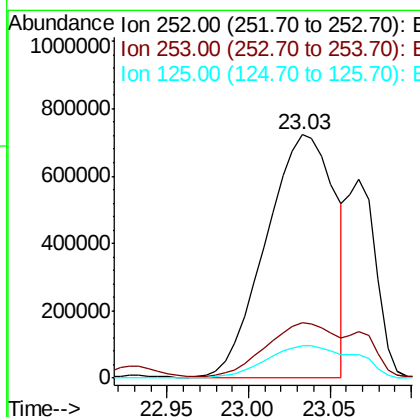
Manual Integrations
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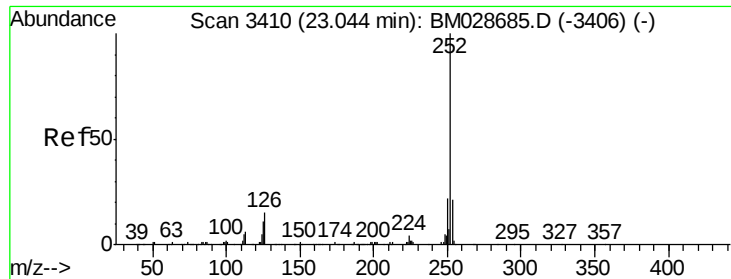
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#88
Benzo(b)fluoranthene
Concen: 244.781 ng/ul m
RT: 23.03 min Scan# 3408
Delta R.T. 0.04 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion:252 Resp: 2117110
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 13.3 8.6 12.8#





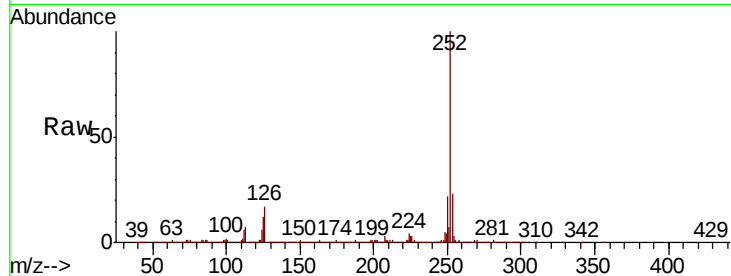
#89
Benzo(k)fluoranthene
Concen: 86.754 ng/ul m
RT: 23.07 min Scan# 3414
Delta R.T. 0.03 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampleId :
C0A39

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	11.9	9.7	14.5

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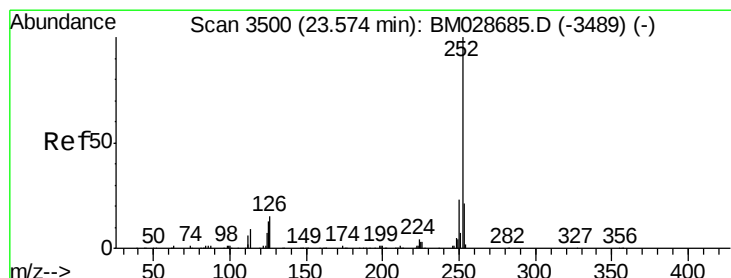
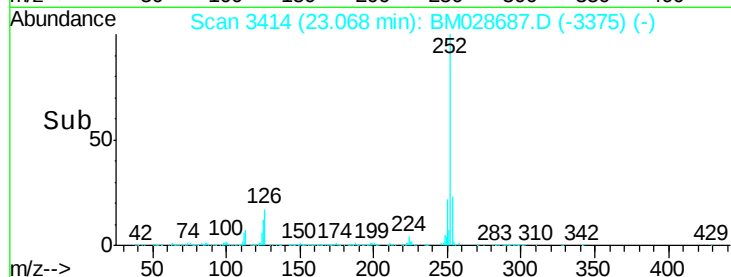
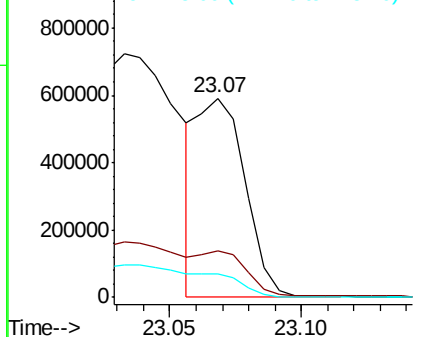


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(a)pyrene
Concen: 174.532 ng/ul
RT: 23.62 min Scan# 3507
Delta R.T. 0.04 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

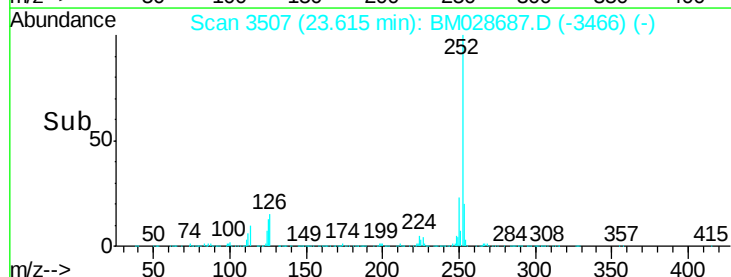
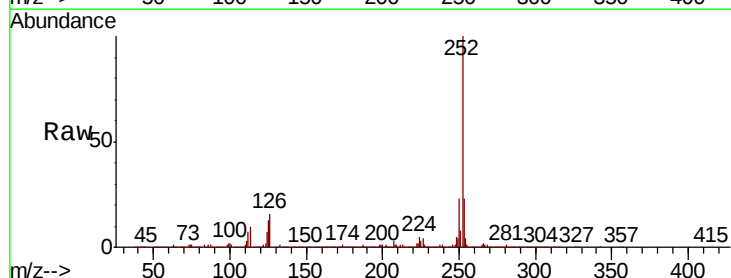
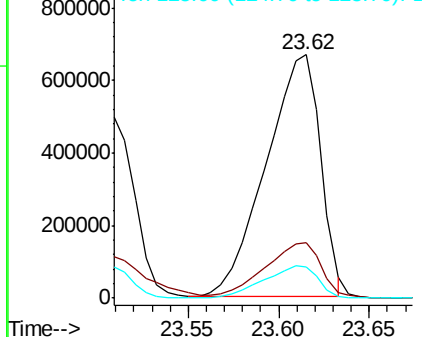
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	12.8	10.0	15.0

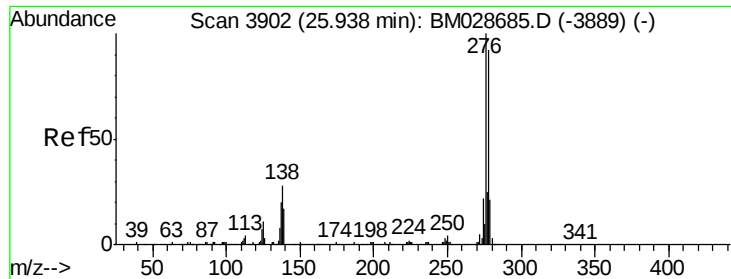
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

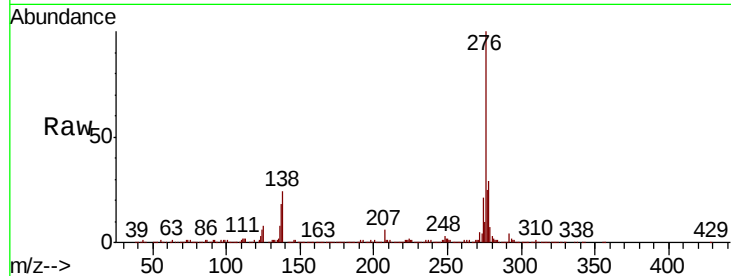
Indeno(1,2,3-cd)pyrene
Concen: 101.005 ng/ul m
RT: 25.99 min Scan# 3911
Delta R.T. 0.06 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Instrument :
BNA_M
ClientSampleId :
C0A39

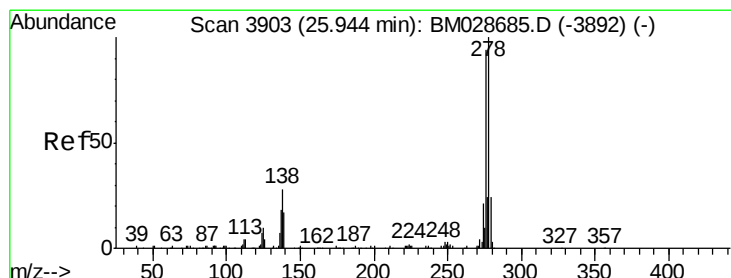
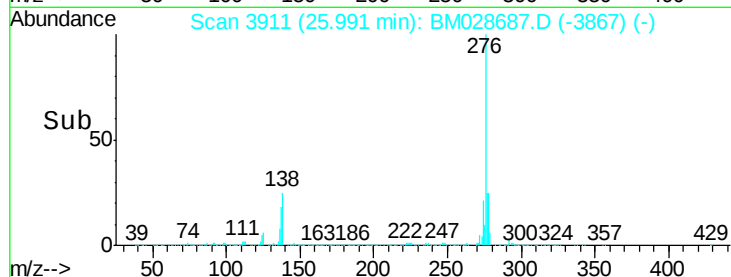
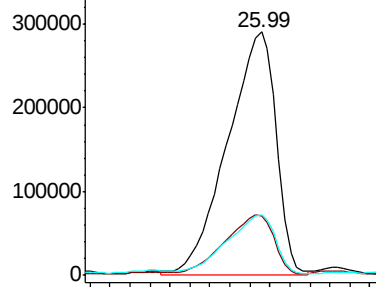
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	22.2	33.4
277	24.6	19.8	29.8

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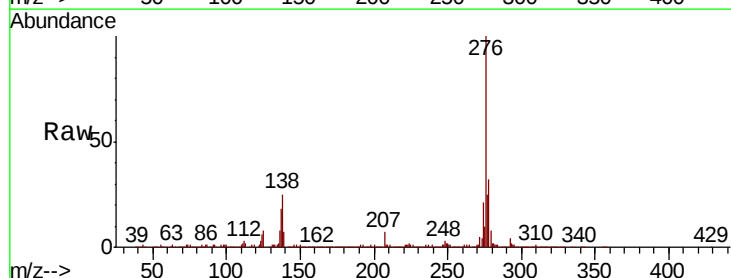
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



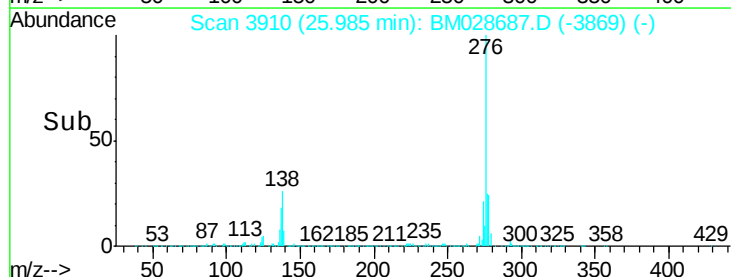
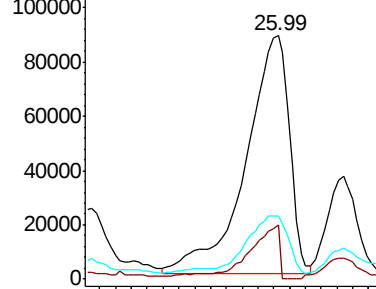
#93

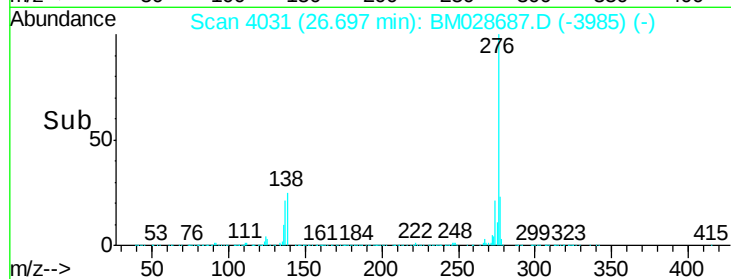
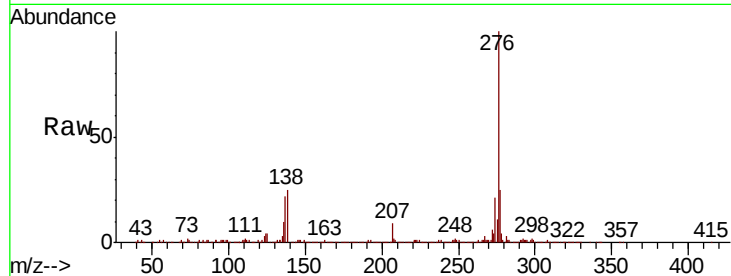
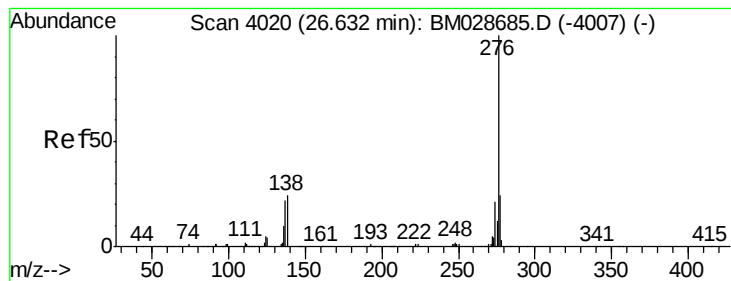
Dibenzo(a,h)anthracene
Concen: 41.012 ng/ul m
RT: 25.99 min Scan# 3910
Delta R.T. 0.04 min
Lab File: BM028687.D
Acq: 09 Feb 2021 16:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	14.5	21.7#
279	25.7	19.3	28.9



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





#94

Benzo(a,h,i)perylene

Concen: 99.081 ng/ul m

RT: 26.70 min Scan# 4031

Delta R.T. 0.07 min

Lab File: BM028687.D

Acq: 09 Feb 2021 16:40

Tot Ion:	276	Resp:	804740
Ion Ratio	Lower	Upper	
276	100		
138	24.9	18.5	27.7
277	24.5	18.6	27.8

Instrument :

BNA_M

ClientSampleId :

C0A39

Manual Integrations
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