

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
 Data File : BM028689.D
 Acq On : 09 Feb 2021 17:53
 Operator : CG/JU
 Sample : M1310-12DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0A39DL

Manual Integrations
 APPROVED

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 2/10/2021 12:15:42 PM

Quant Time: Feb 10 00:23:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 09 23:51:34 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	26612	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	104481	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.55	164	57871	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.29	188	115422	20.00	ng/ul	0.00
78) Chrysene-d12	21.44	240	110848	20.00	ng/ul	0.00
86) Perylene-d12	23.68	264	120367	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	720	1.14	ng/uL	0.00
5) Phenol-d5	7.07	99	15772	6.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	10527	7.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	15435	7.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	13512	7.36	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	7218	8.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	7877	8.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	14107	7.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	13189	6.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.96	166	41926	9.12	ng/ul	0.00
47) Acenaphthylene-d8	14.24	160	53737	9.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	3562	4.14	ng/ul	0.00
58) Fluorene-d10	15.54	176	35928	9.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.67	200	4047	5.10	ng/ul	0.00
71) Anthracene-d10	17.39	188	57246	9.63	ng/ul	0.00
79) Pyrene-d10	19.67	212	60956	9.42	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.54	264	64925	9.50	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.10	94	2814	1.245 ng/ul#	88
14) Acetophenone	8.73	105	3768	1.388 ng/ul	91
28) Naphthalene	10.75	128	9778	1.625 ng/ul	98
34) 2-Methylnaphthalene	12.37	142	4670	1.170 ng/ul	98
48) Acenaphthylene	14.27	152	38378	6.533 ng/ul	98
50) Acenaphthene	14.61	153	13864	3.321 ng/ul	98
54) Dibenzofuran	14.94	168	24263	4.331 ng/ul	98
59) Fluorene	15.59	166	27273	5.918 ng/ul	98
70) Phenanthrene	17.33	178	1217035	170.768 ng/ul	99
72) Anthracene	17.42	178	247684	34.047 ng/ul	99
75) Carbazole	17.69	167	161599	26.136 ng/ul	100
77) Fluoranthene	19.34	202	2183533	281.575 ng/ul	97
80) Pyrene	19.70	202	1895460	221.031 ng/ul	97
83) Benzo(a)anthracene	21.43	228	1001845	130.046 ng/ul	98
85) Chrysene	21.48	228	1031158	138.047 ng/ul	97
88) Benzo(b)fluoranthene	23.02	252	1102183	135.260 ng/ul#	98
89) Benzo(k)fluoranthene	23.06	252	374471m	46.938 ng/ul	
91) Benzo(a)pyrene	23.60	252	736615	97.909 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.96	276	492088	53.655 ng/ul	97
93) Dibenz(a,h)anthracene	25.96	278	152947	19.787 ng/ul#	81
94) Benzo(a,h,i)perylene	26.67	276	401592	52.481 ng/ul	96

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0A39DL

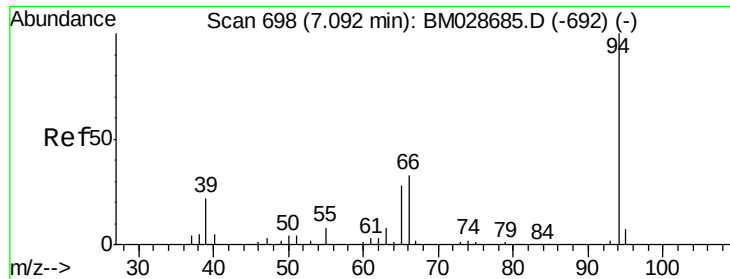
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Quant Time: Feb 10 00:23:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 09 23:51:34 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 1.245 ng/ul

RT: 7.10 min Scan# 699

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

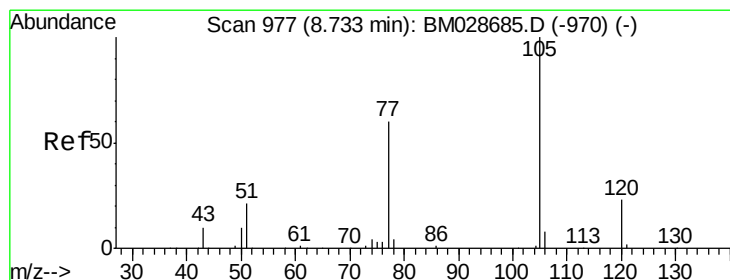
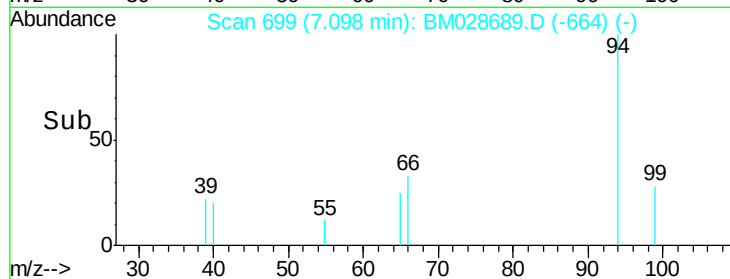
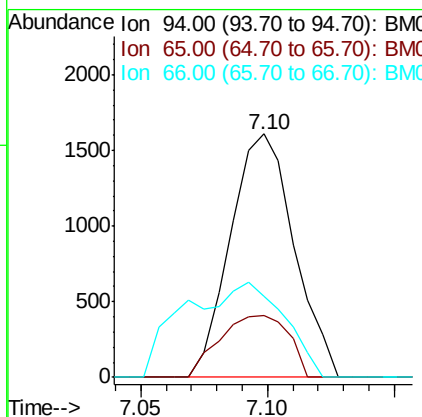
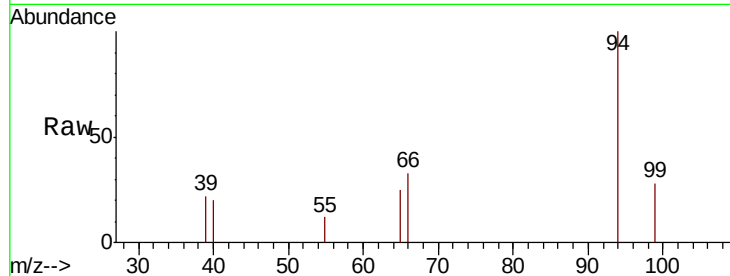
ClientSampleId :

C0A39DL

Tot Ion:	94	Resp:	2814
Ion	Ratio	Lower	Upper
94	100		
65	25.3	25.6	38.4#
66	33.4	33.0	49.4

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#14

Acetophenone

Concen: 1.388 ng/ul

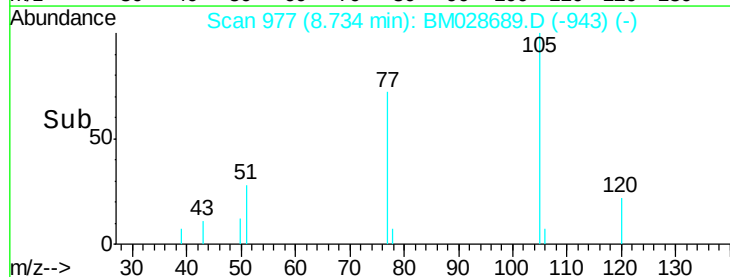
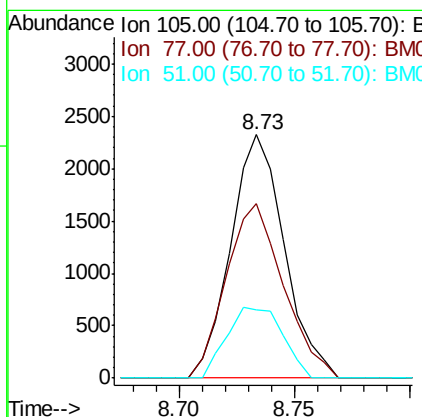
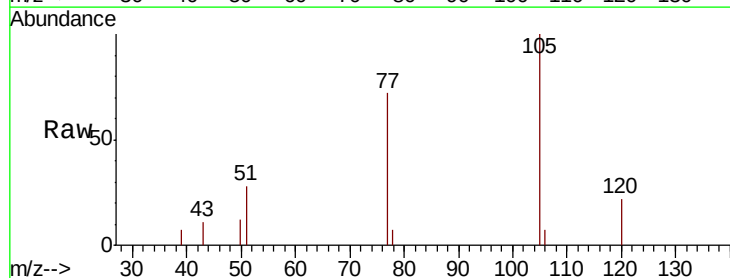
RT: 8.73 min Scan# 977

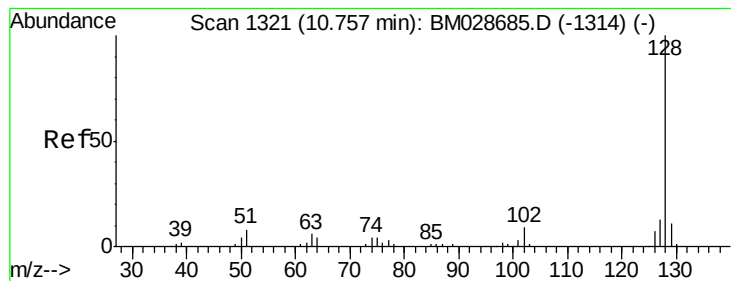
Delta R.T. 0.00 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tgt Ion:	105	Resp:	3768
Ion	Ratio	Lower	Upper
105	100		
77	71.9	63.2	94.8
51	27.8	27.6	41.4





#28

Naphthalene

Concen: 1.625 ng/ul

RT: 10.75 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampled :

C0A39DL

Tot Ion:128 Resp: 9778

Ion Ratio Lower Upper

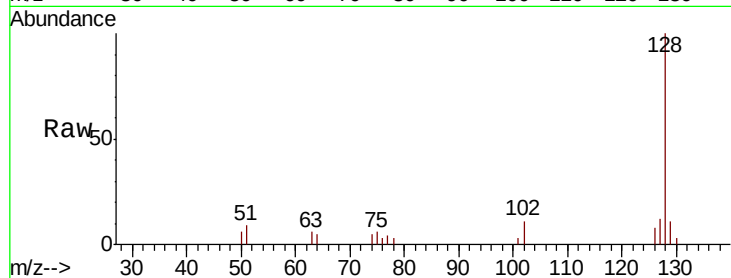
128 100

129 11.1 8.7 13.1

127 12.0 10.6 16.0

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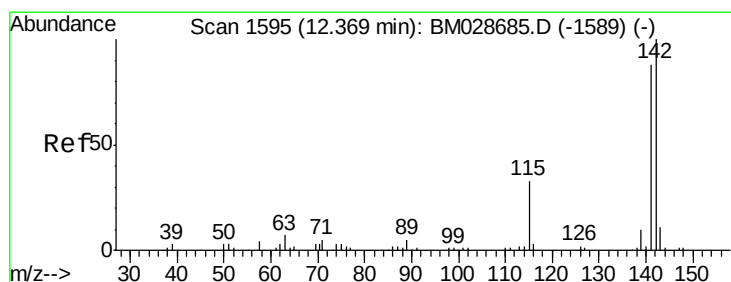
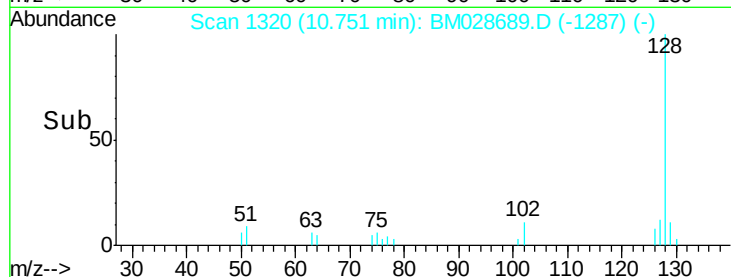
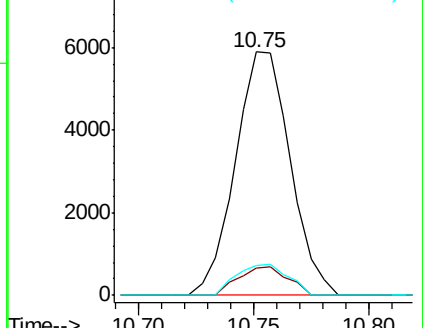
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.170 ng/ul

RT: 12.37 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BM028689.D

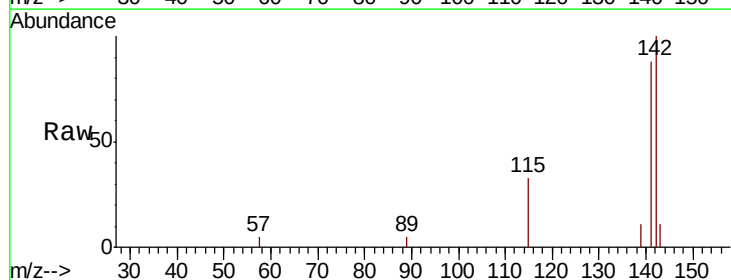
Acq: 09 Feb 2021 17:53

Tgt Ion:142 Resp: 4670

Ion Ratio Lower Upper

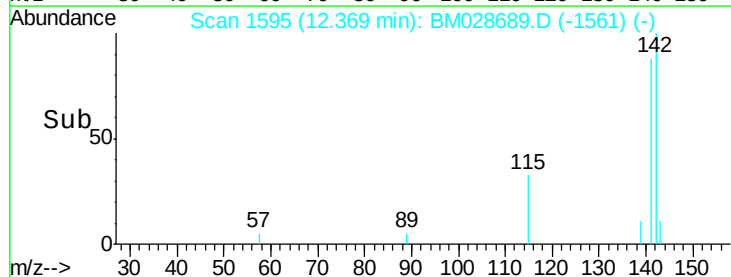
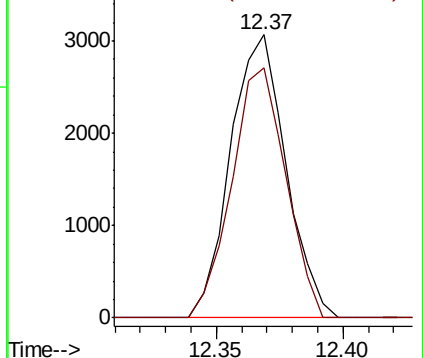
142 100

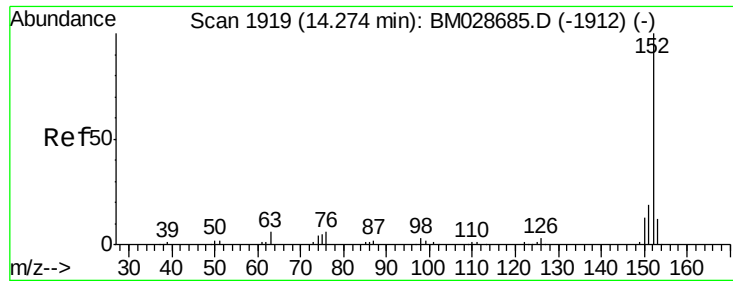
141 88.2 71.9 107.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#48

Acenaphthylene

Concen: 6.533 ng/ul

RT: 14.27 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

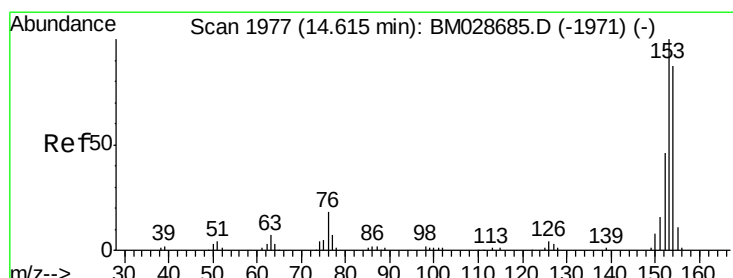
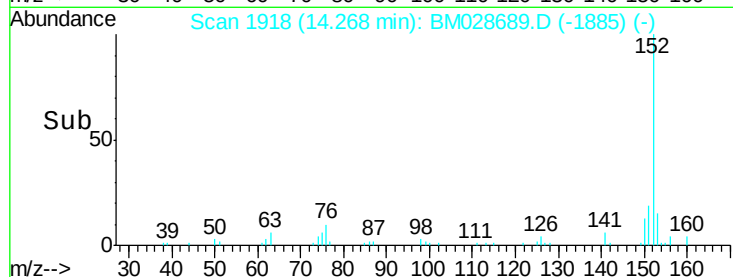
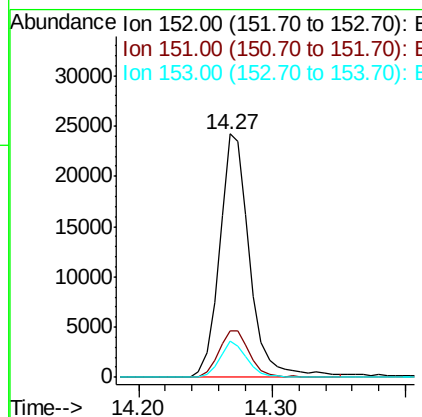
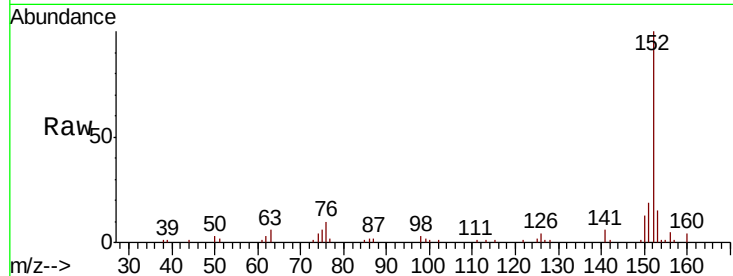
ClientSampleId :

C0A39DL

Tot Ion:	152	Resp:	38378
Ion Ratio	Lower	Upper	
152	100		
151	19.0	15.4	23.0
153	14.8	10.4	15.6

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#50

Acenaphthene

Concen: 3.321 ng/ul

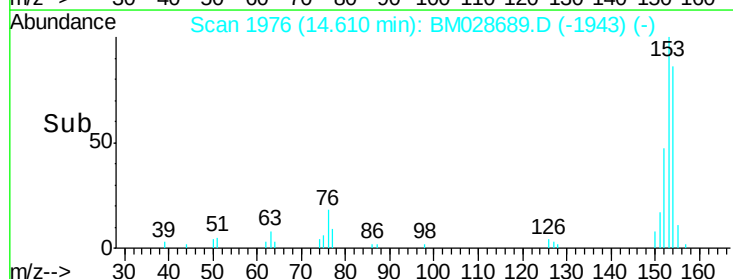
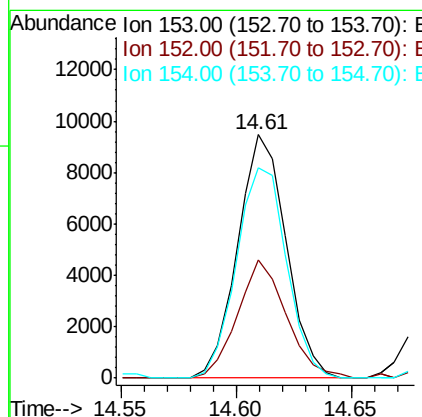
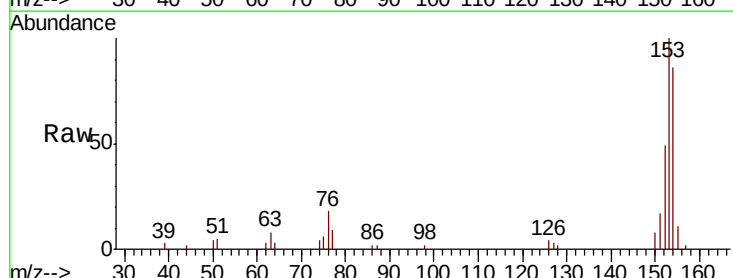
RT: 14.61 min Scan# 1976

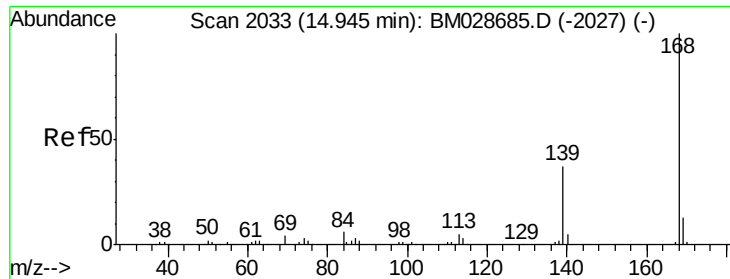
Delta R.T. -0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tgt Ion:	153	Resp:	13864
Ion Ratio	Lower	Upper	
153	100		
152	48.5	37.0	55.6
154	86.4	70.4	105.6





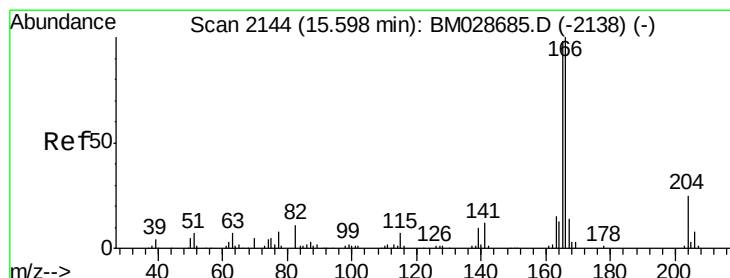
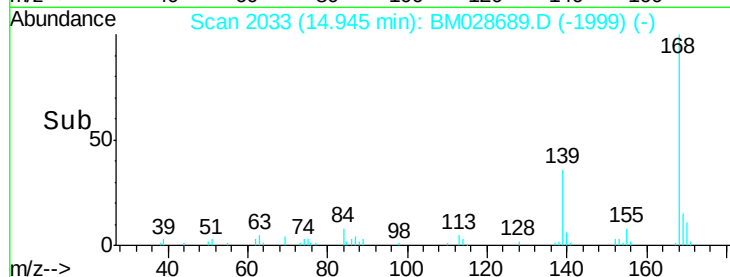
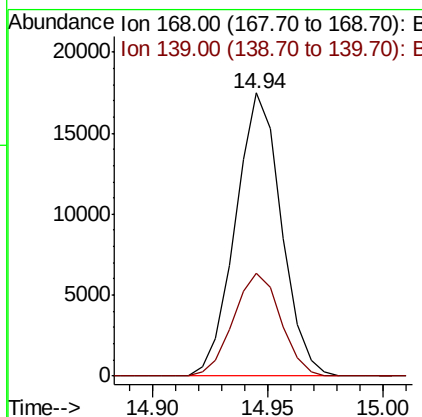
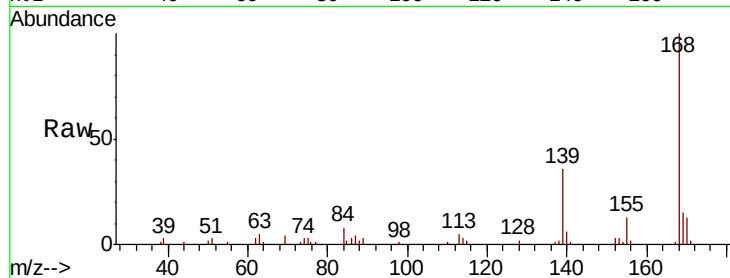
#54
Dibenzenofuran
Concen: 4.331 ng/ul
RT: 14.94 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Instrument :
BNA_M
ClientSampleId :
C0A39DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.5	30.2	45.2

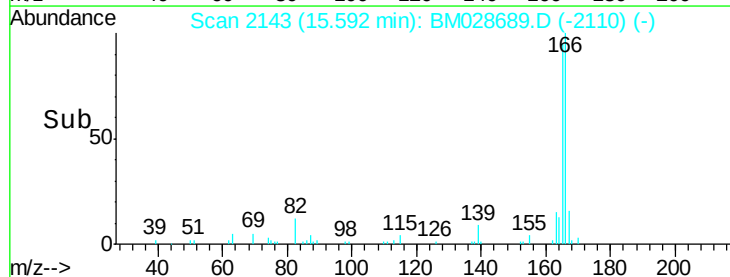
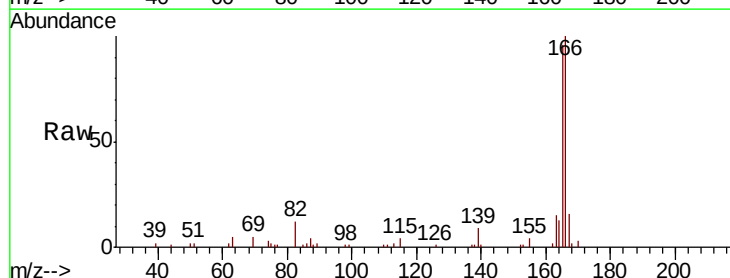
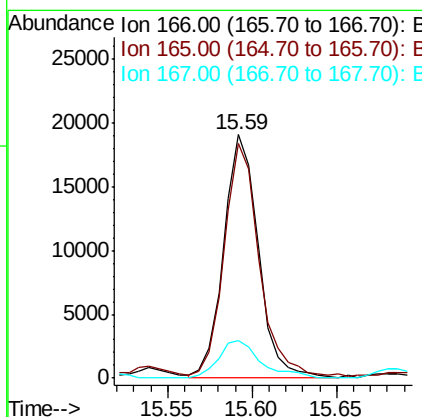
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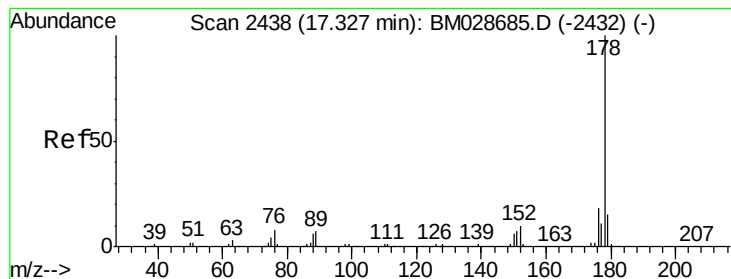
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#59
Fluorene
Concen: 5.918 ng/ul
RT: 15.59 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.0	117.0
167	15.5	11.0	16.4





#70

Phenanthrene

Concen: 170.768 ng/ul

RT: 17.33 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Instrument :

BNA_M

ClientSampleID :

C0A39DL

Tot Ion:178 Resp: 1217035

Ion Ratio Lower Upper

178 100

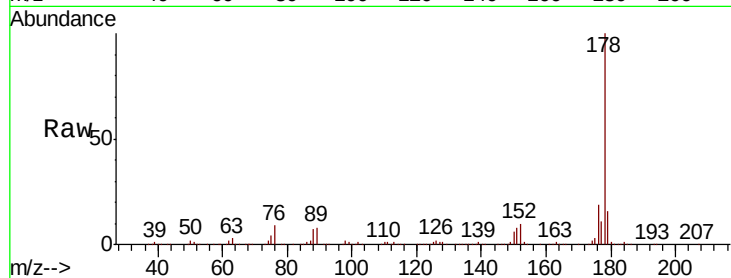
179 15.6 12.3 18.5

176 18.8 14.6 22.0

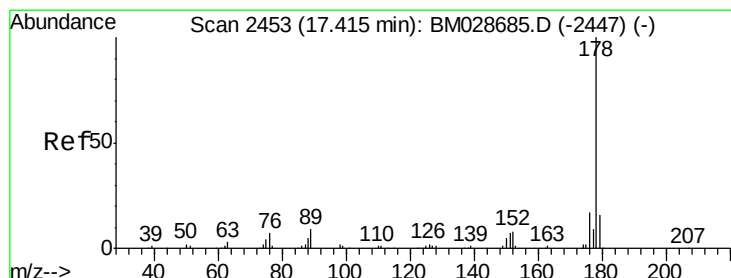
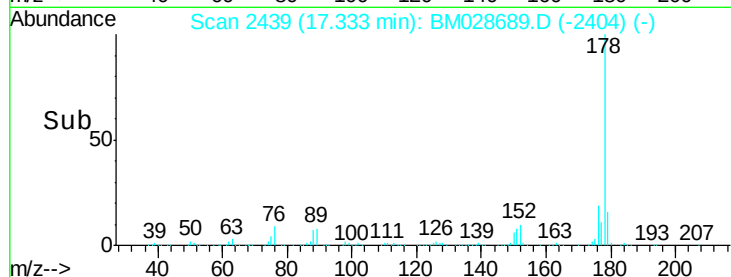
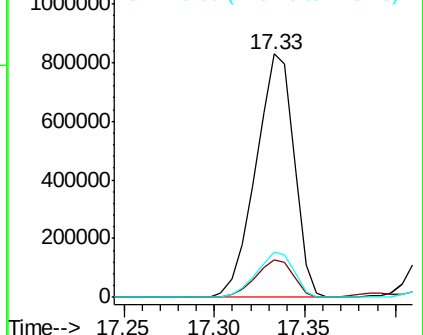
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 34.047 ng/ul

RT: 17.42 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tgt Ion:178 Resp: 247684

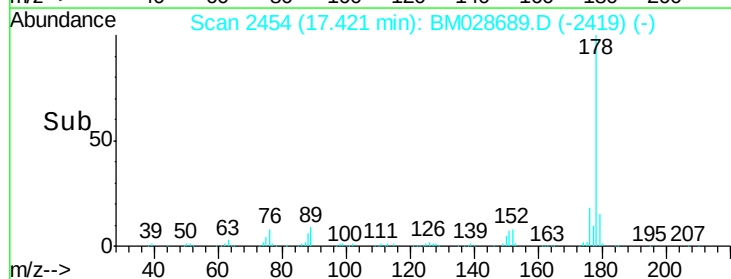
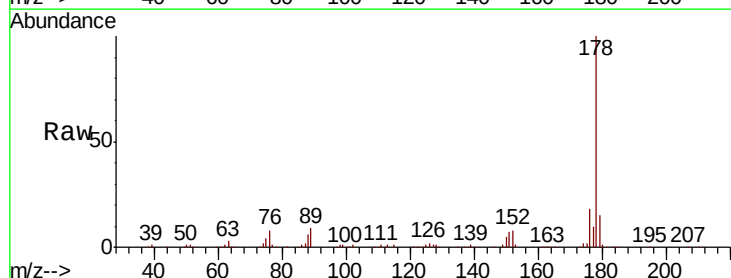
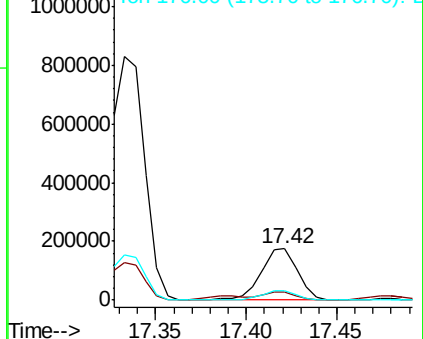
Ion Ratio Lower Upper

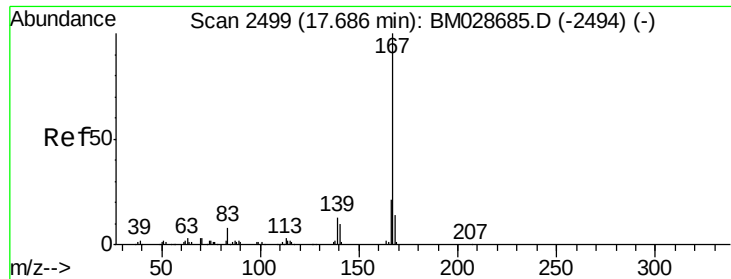
178 100

179 15.5 11.7 17.5

176 17.9 14.2 21.2

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





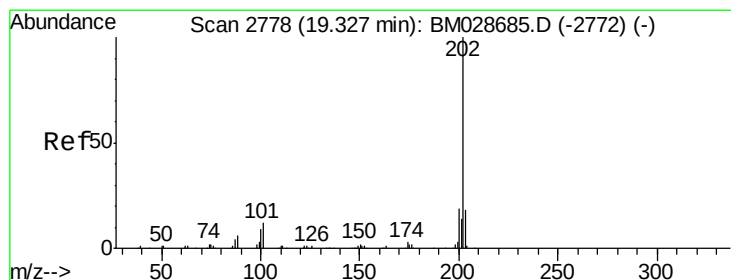
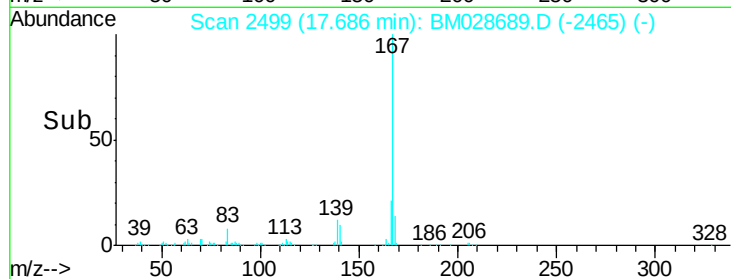
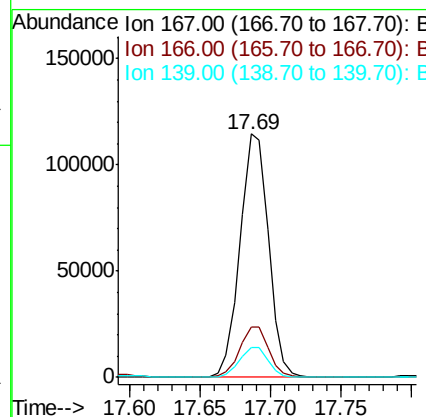
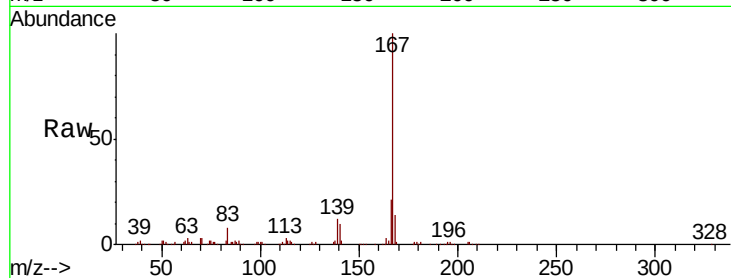
#75
 Carbazole
 Concen: 26.136 ng/ul
 RT: 17.69 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

Instrument :
 BNA_M
 ClientSampleId :
 C0A39DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	16.7	25.1
139	12.5	10.2	15.4

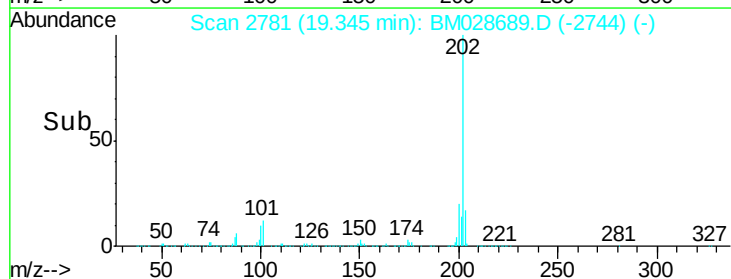
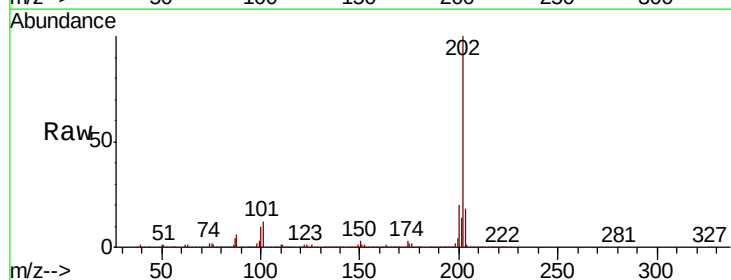
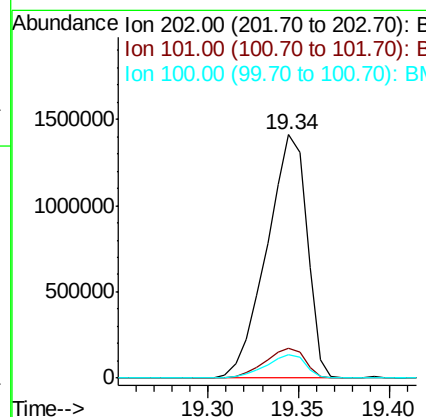
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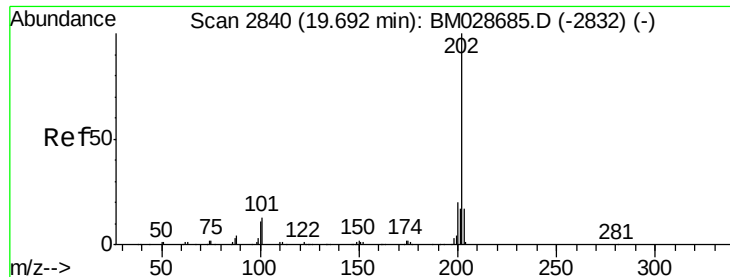
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#77
 Fluoranthene
 Concen: 281.575 ng/ul
 RT: 19.34 min Scan# 2781
 Delta R.T. 0.02 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.9	13.3
100	9.8	7.0	10.6





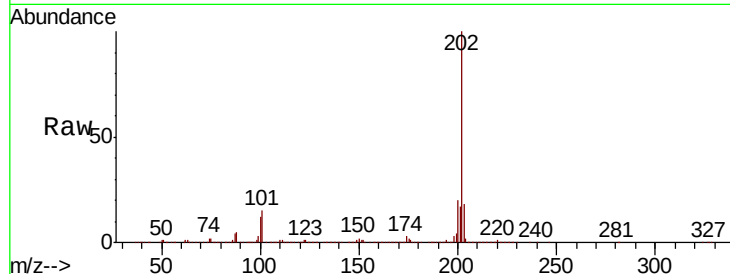
#80
Pvrene
Concen: 221.031 ng/ul
RT: 19.70 min Scan# 2842
Delta R.T. 0.01 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Instrument :
BNA_M
ClientSampleId :
C0A39DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	10.6	15.8
100	12.3	8.9	13.3

Manual Integrations
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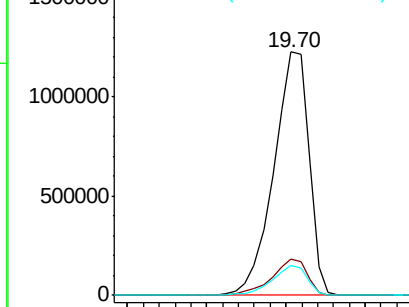


Abundance

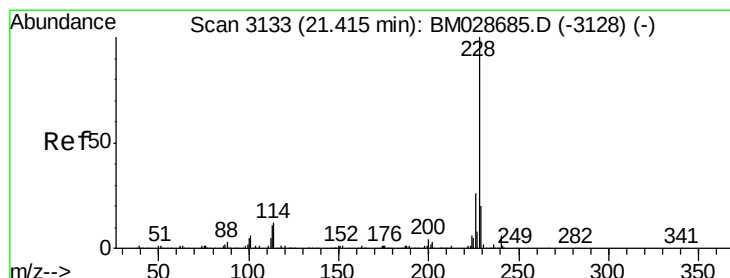
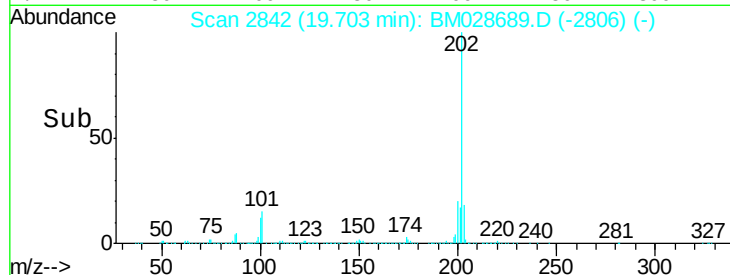
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



Time-->



#83
Benzo(a)anthracene
Concen: 130.046 ng/ul
RT: 21.43 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

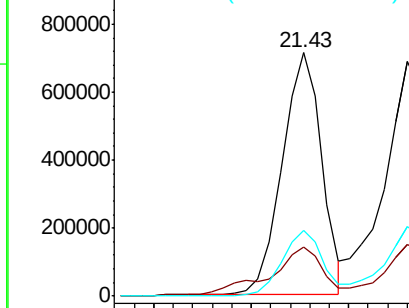
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.2
226	27.1	20.6	30.8

Abundance

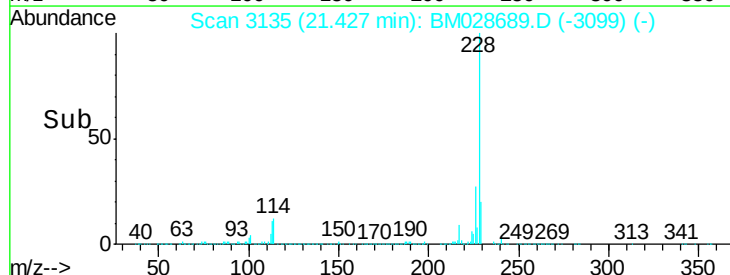
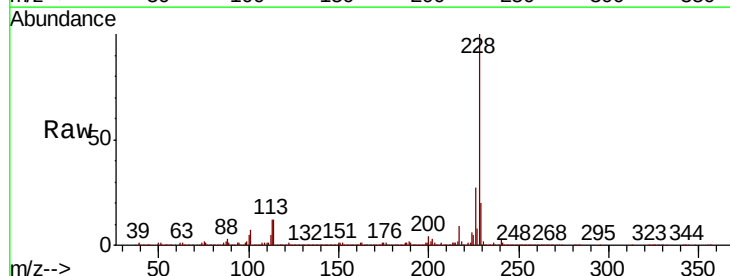
Ion 228.00 (227.70 to 228.70): E

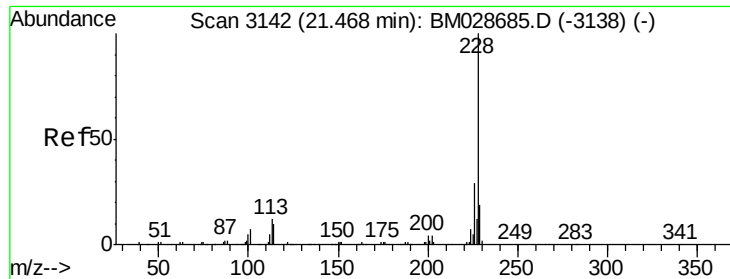
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->





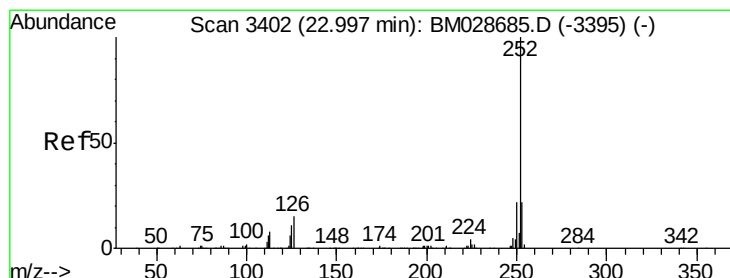
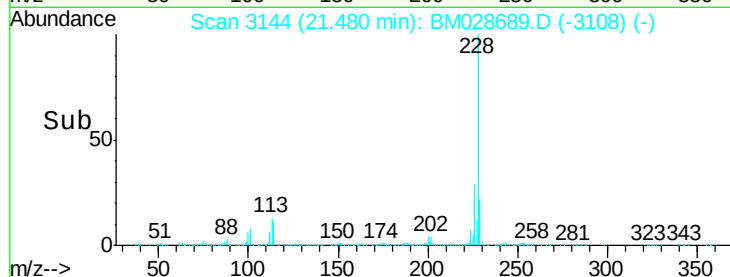
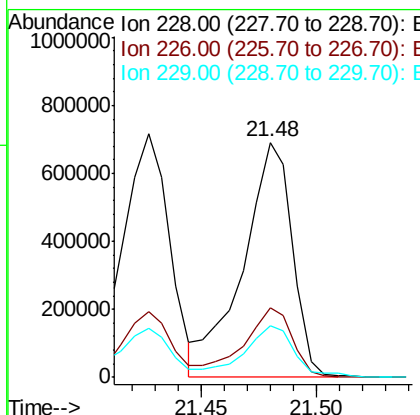
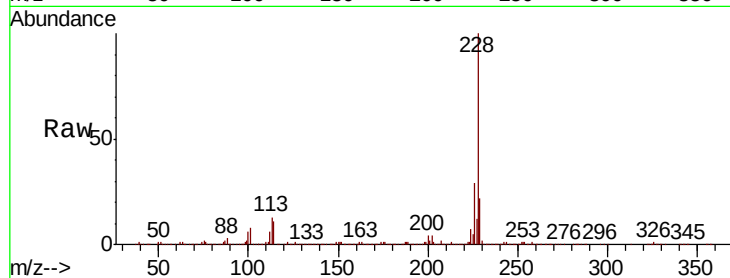
#85
Chrysene
Concen: 138.047 ng/ul
RT: 21.48 min Scan# 3144
Delta R.T. 0.01 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Instrument :
BNA_M
ClientSampled :
C0A39DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.8	34.2
229	22.2	15.7	23.5

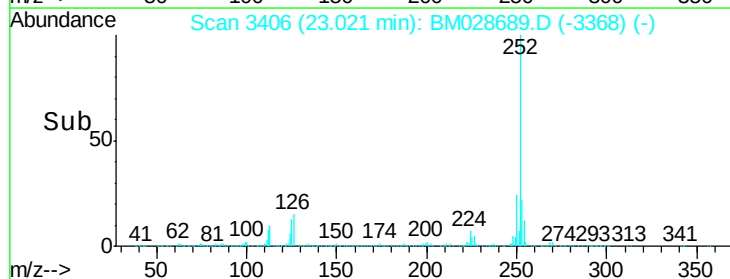
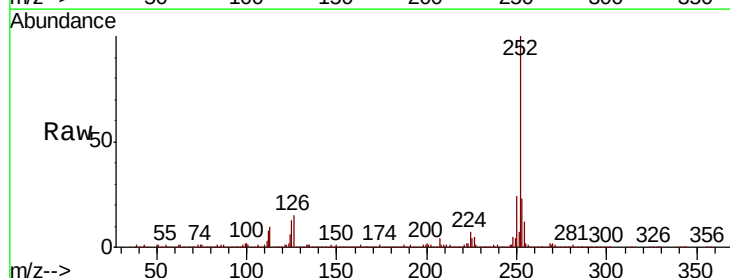
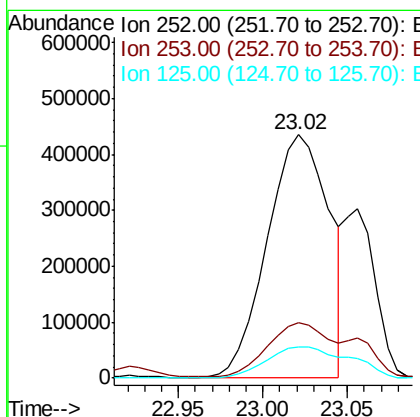
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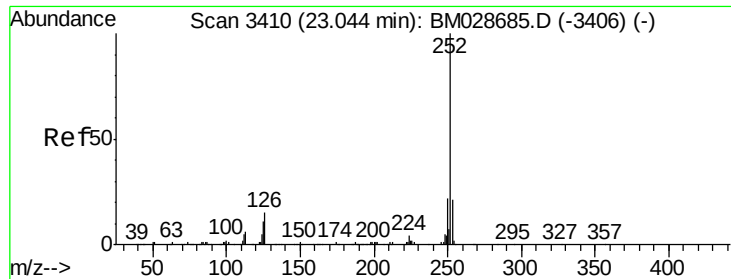
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#88
Benzo(b)fluoranthene
Concen: 135.260 ng/ul
RT: 23.02 min Scan# 3406
Delta R.T. 0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	13.0	8.6	12.8#





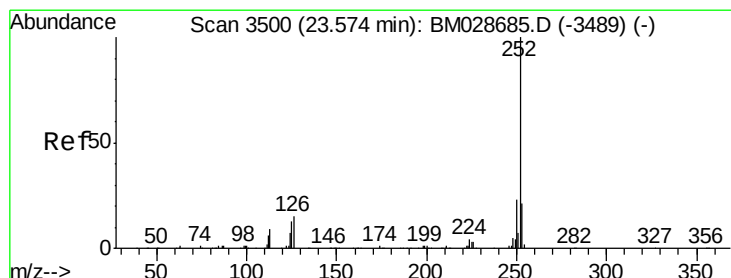
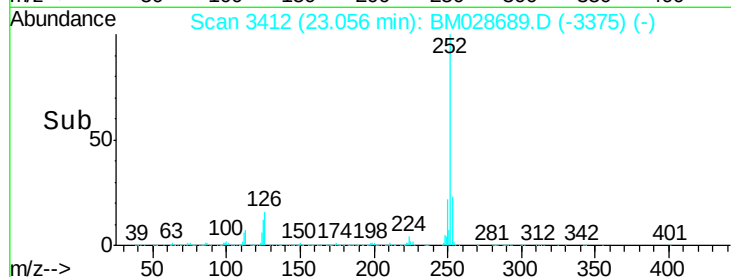
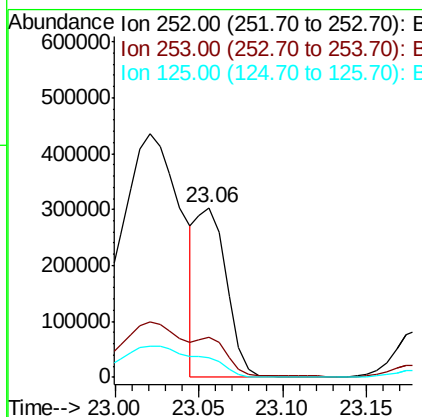
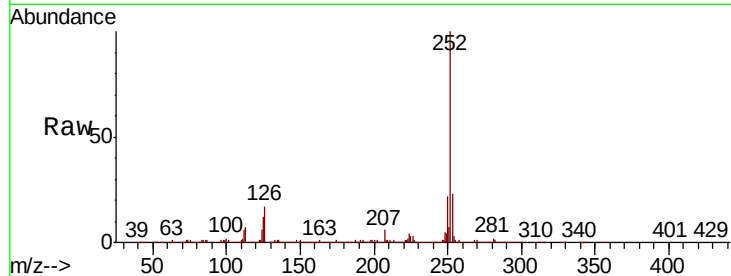
#89
Benzo(k)fluoranthene
Concen: 46.938 ng/ul m
RT: 23.06 min Scan# 3412
Delta R.T. 0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Instrument :
BNA_M
ClientSampled :
C0A39DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	11.8	9.7	14.5

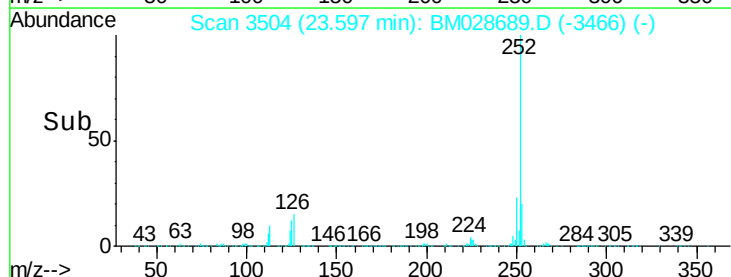
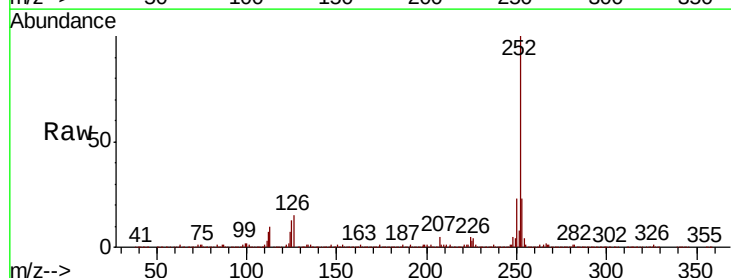
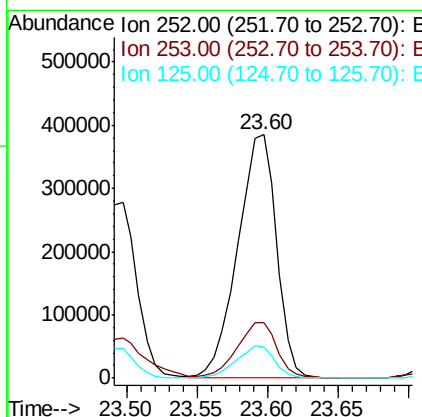
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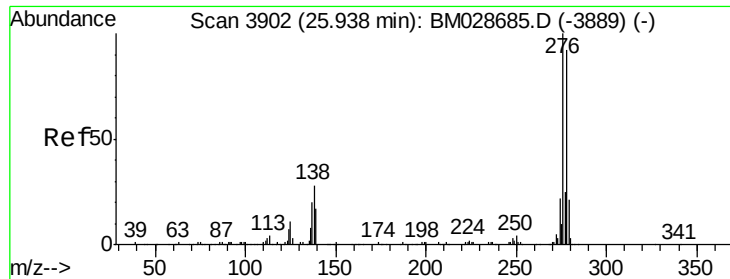
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#91
Benzo(a)pyrene
Concen: 97.909 ng/ul
RT: 23.60 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BM028689.D
Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.6	10.0	15.0





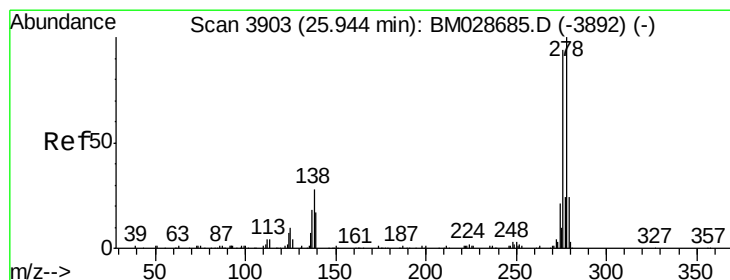
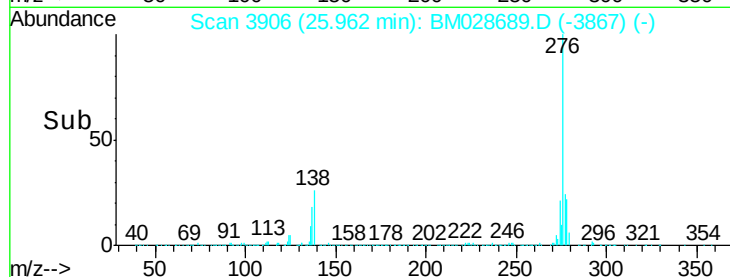
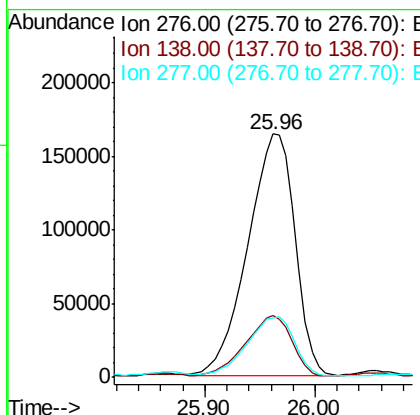
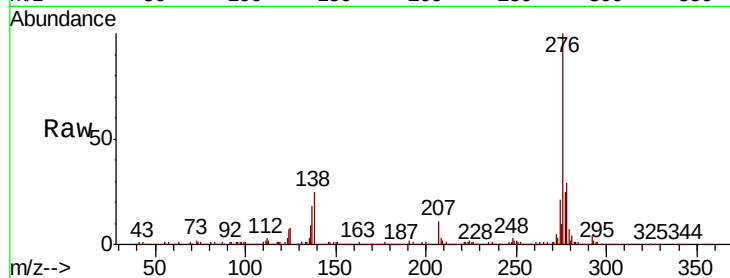
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 53.655 ng/ul
 RT: 25.96 min Scan# 3906
 Delta R.T. 0.03 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

Instrument :
 BNA_M
 ClientSampleId :
 C0A39DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	22.2	33.4
277	24.6	19.8	29.8

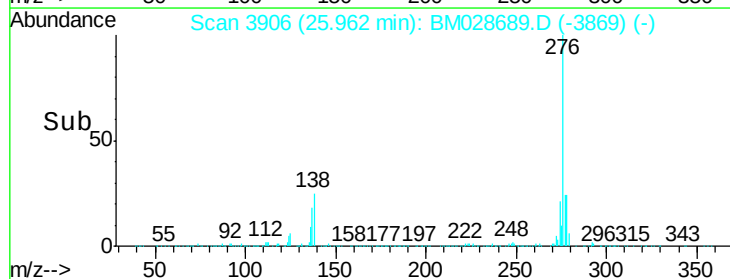
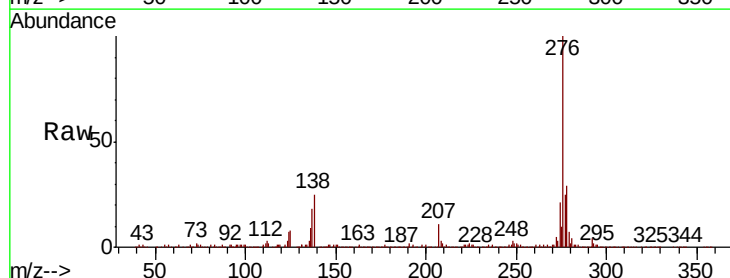
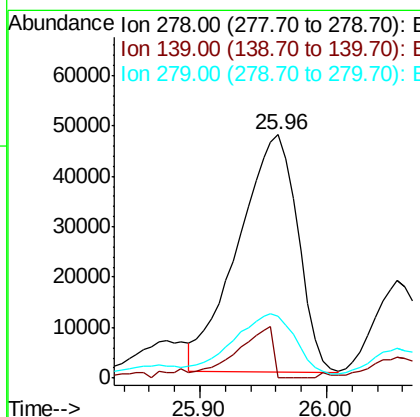
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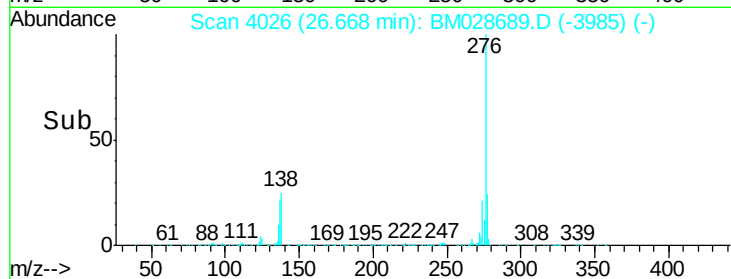
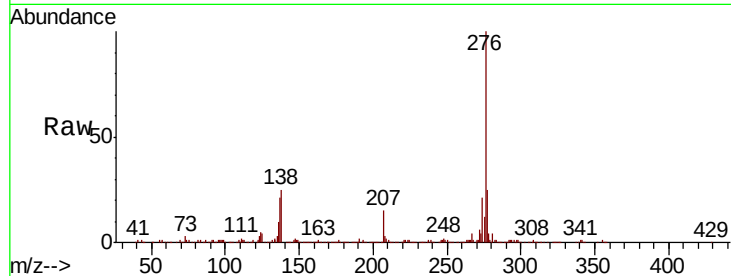
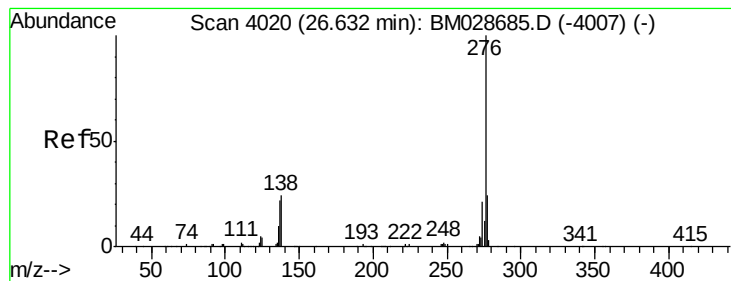
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#93
 Dibenzo(a,h)anthracene
 Concen: 19.787 ng/ul
 RT: 25.96 min Scan# 3906
 Delta R.T. 0.02 min
 Lab File: BM028689.D
 Acq: 09 Feb 2021 17:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7#
279	25.2	19.3	28.9





#94

Benzo(a,h,i)perylene

Concen: 52.481 ng/ul

RT: 26.67 min Scan# 4026

Delta R.T. 0.04 min

Lab File: BM028689.D

Acq: 09 Feb 2021 17:53

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	18.5	27.7
277	24.7	18.6	27.8

Instrument :

BNA_M

ClientSampleId :

C0A39DL

Manual Integrations
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