

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080320\
 Data File : BM026998.D
 Acq On : 04 Aug 2020 10:56
 Operator : JU/CG
 Sample : L3424-14DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0S89DL

Manual Integrations
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mohammad
 8/5/2020 10:26:46 AM

Quant Time: Aug 04 13:02:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 10:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	107844	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	426167	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	256009	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	519813	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	519130	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	516591	20.00	ng/ul	0.00

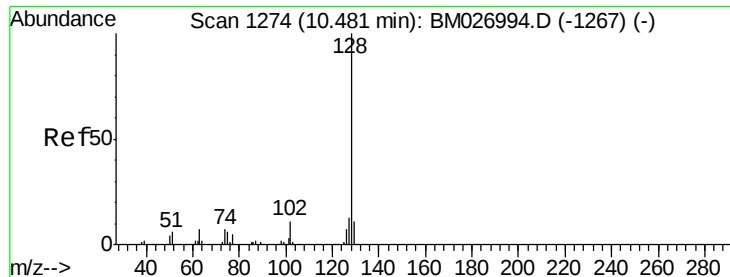
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	751	0.32	ng/uL	0.00
5) Phenol-d5	6.83	99	18147	1.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	13473	2.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	14069	1.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	14016	1.93	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	6557	1.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	6326	2.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	14553	2.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	8138	0.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	43448	2.16	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	52580	2.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	3400	1.00	ng/ul	0.00
58) Fluorene-d10	15.28	176	37877	2.17	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	3061	1.32	ng/ul	0.00
71) Anthracene-d10	17.13	188	58796	2.26	ng/ul	0.00
79) Pyrene-d10	19.43	212	60507	2.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.29	264	63180	2.17	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.48	128	62403	2.621	ng/ul 98
34) 2-Methylnaphthalene	12.10	142	19073	1.133	ng/ul 95
48) Acenaphthylene	14.01	152	129924	5.006	ng/ul 98
54) Dibenzofuran	14.69	168	46995	1.896	ng/ul 97
70) Phenanthrene	17.07	178	171938	5.449	ng/ul 98
72) Anthracene	17.16	178	315892	9.740	ng/ul 99
75) Carbazole	17.43	167	43769	1.527	ng/ul 99
77) Fluoranthene	19.09	202	655775	17.602	ng/ul 99
80) Pvrene	19.46	202	859054	22.745	ng/ul 97
83) Benzo(a)anthracene	21.21	228	487629m	13.628	ng/ul
85) Chrysene	21.26	228	840000	24.073	ng/ul 99
88) Benzo(b)fluoranthene	22.78	252	1666761	45.103	ng/ul 99
89) Benzo(k)fluoranthene	22.82	252	537325m	15.152	ng/ul
91) Benzo(a)pyrene	23.34	252	508638	15.253	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.64	276	668265	16.154	ng/ul# 95
93) Dibenzo(a,h)anthracene	25.64	278	168030	4.803	ng/ul# 88
94) Benzo(q,h,i)perylene	26.30	276	180691	5.282	ng/ul 98

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



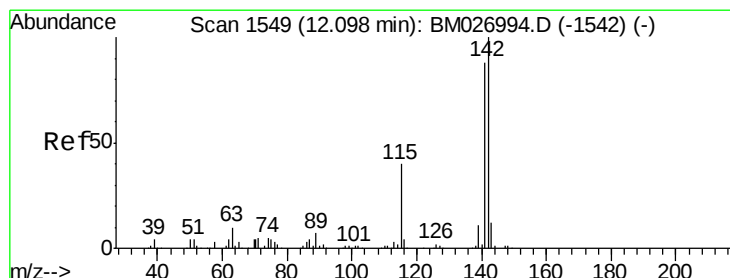
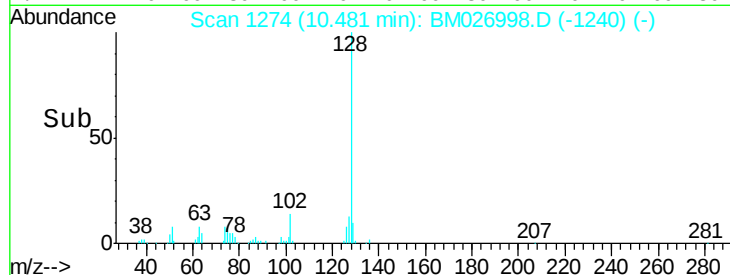
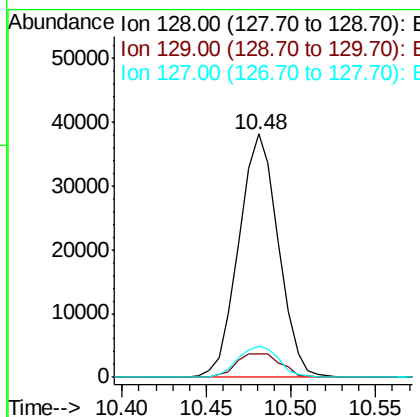
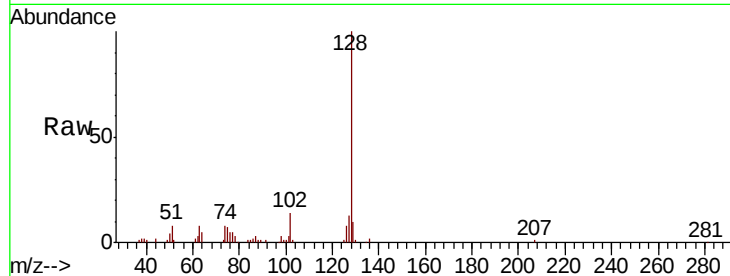
#28
Naphthalene
Concen: 2.621 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.00 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Instrument :
BNA_M
ClientSampled :
C0S89DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.3	12.5
127	12.8	11.0	16.6

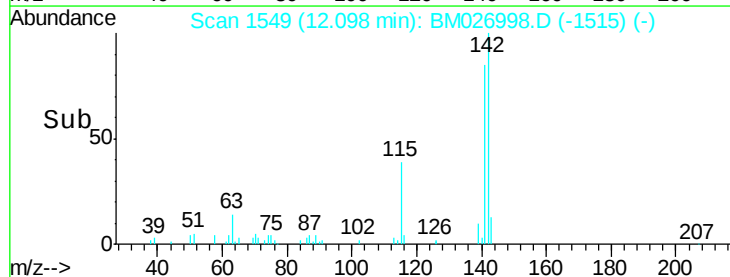
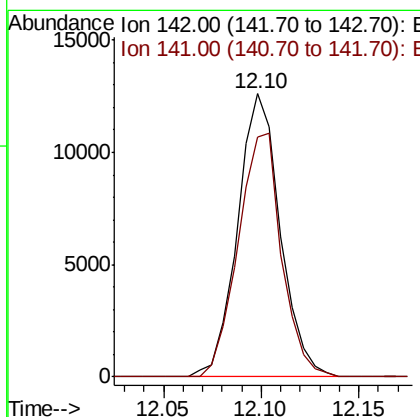
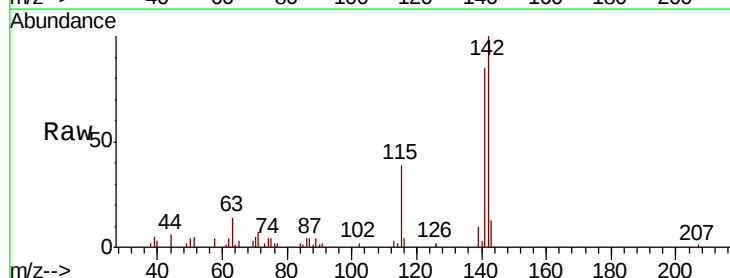
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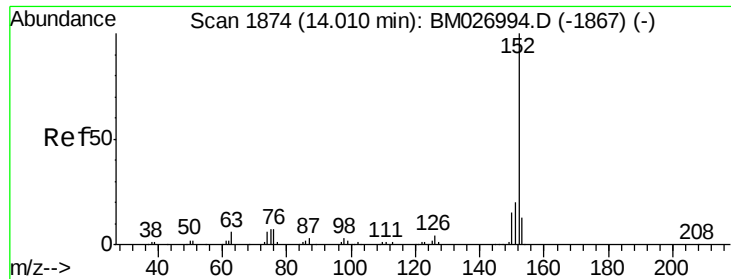
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#34
2-Methylnaphthalene
Concen: 1.133 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	71.1	106.7





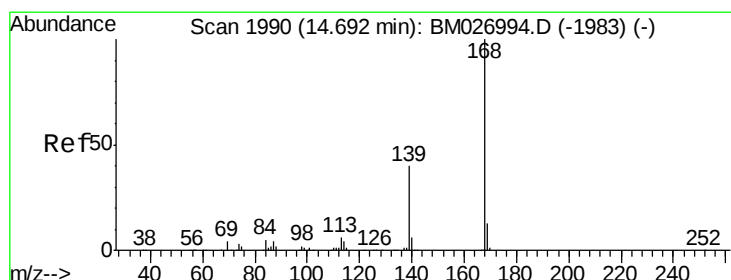
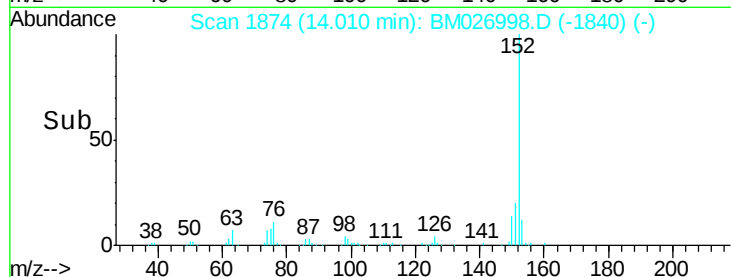
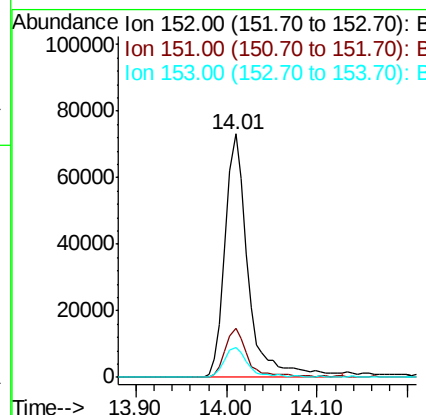
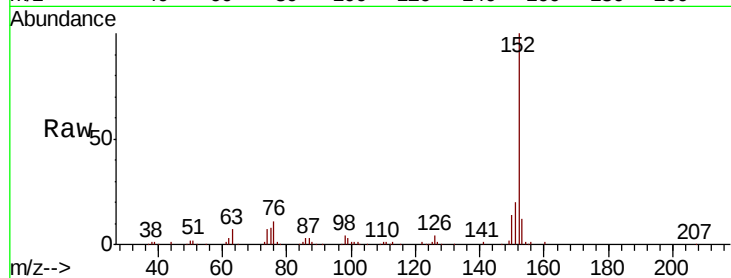
#48
Acenaphthylene
Concen: 5.006 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Instrument :
BNA_M
ClientSampled :
C0S89DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	12.3	10.7	16.1

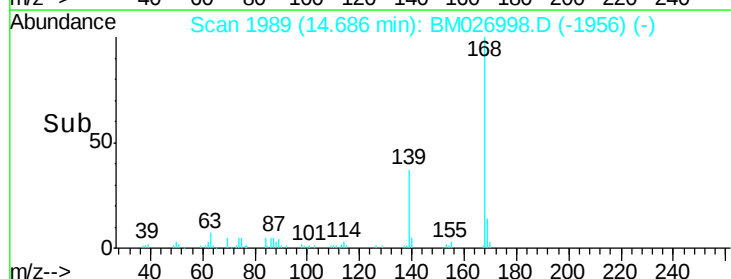
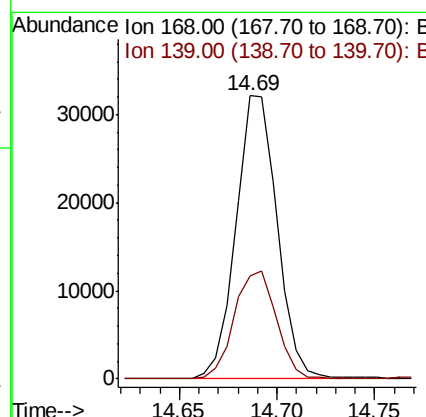
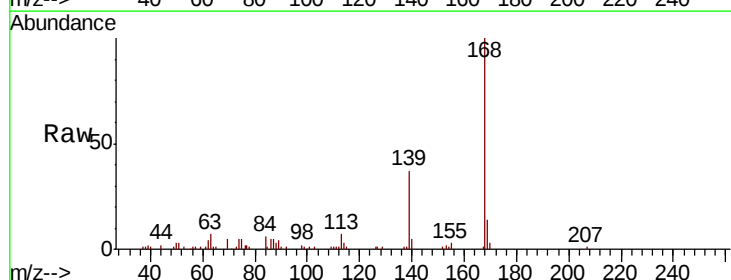
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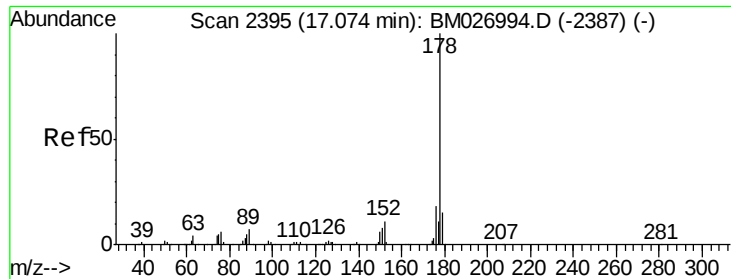
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#54
Dibenzofuran
Concen: 1.896 ng/ul
RT: 14.69 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.8	46.2





#70

Phenanthrene

Concen: 5.449 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Instrument :

BNA_M

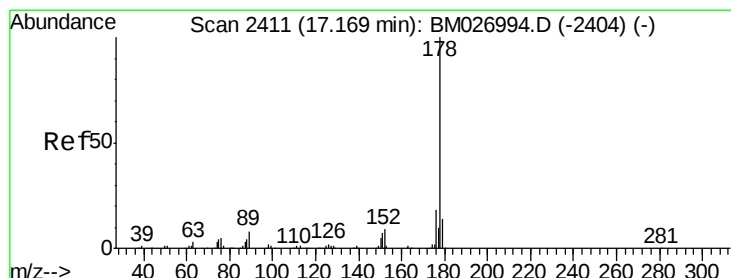
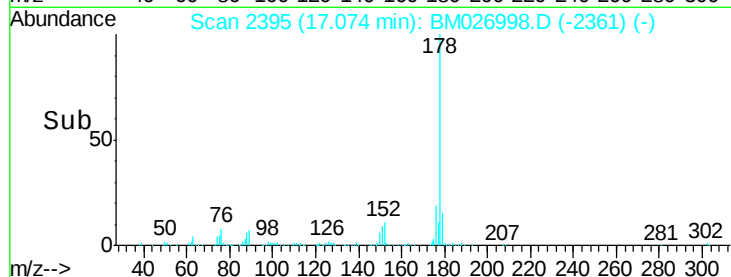
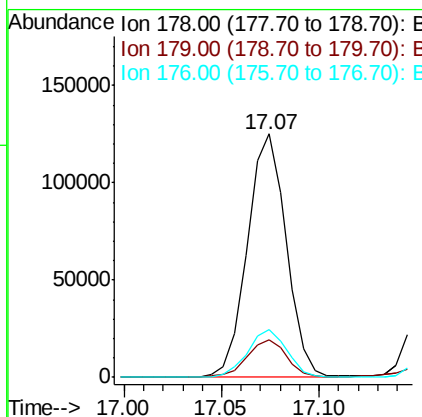
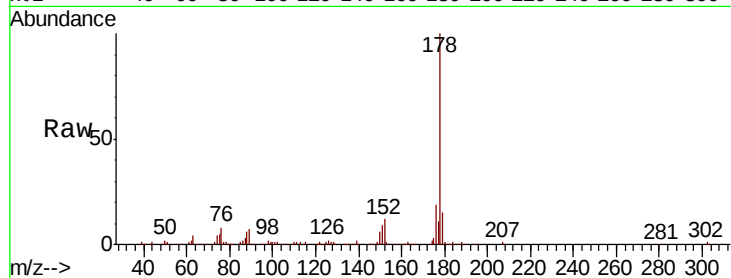
ClientSampleId :

C0S89DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.4	14.7	22.1

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#72

Anthracene

Concen: 9.740 ng/ul

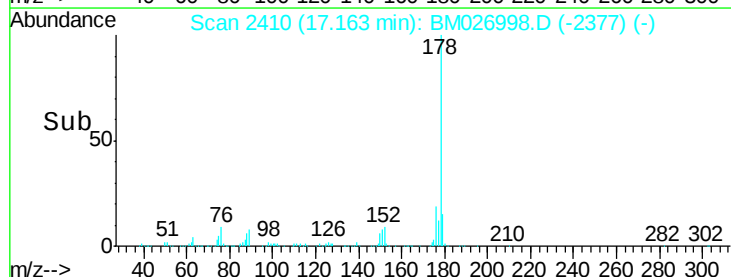
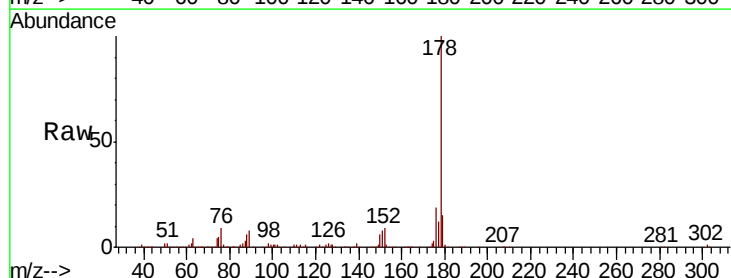
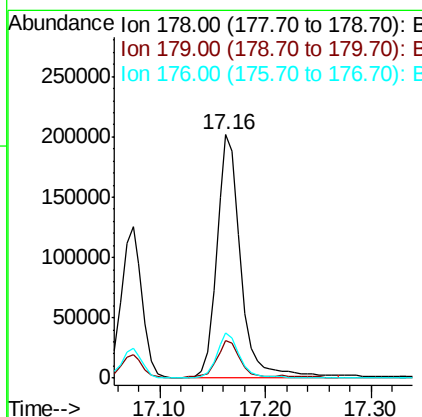
RT: 17.16 min Scan# 2410

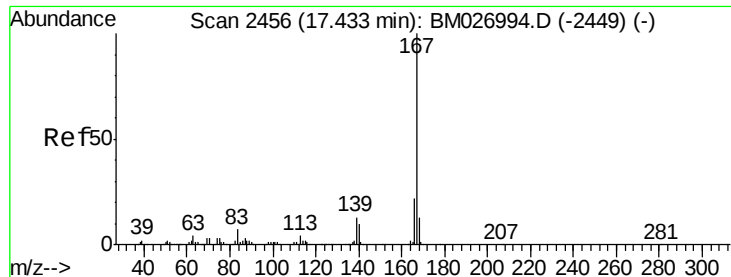
Delta R.T. -0.01 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.6
176	18.7	15.0	22.6





#75

Carbazole

Concen: 1.527 ng/ul

RT: 17.43 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Instrument :

BNA_M

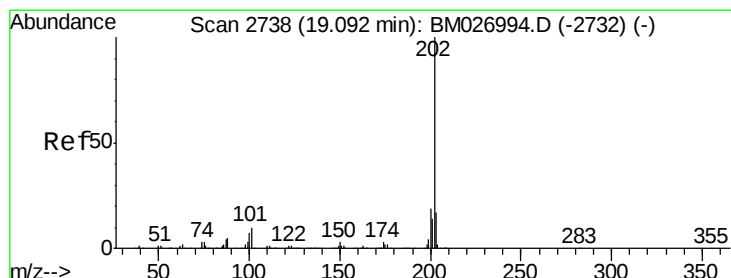
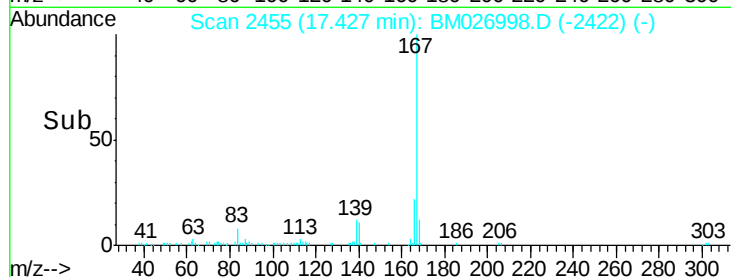
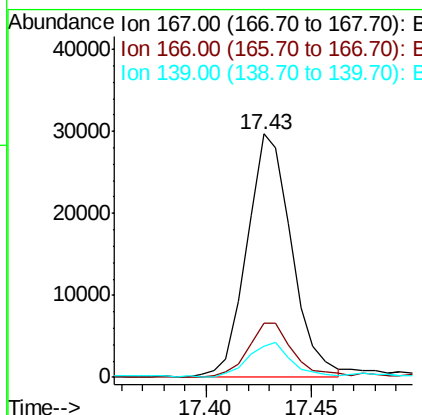
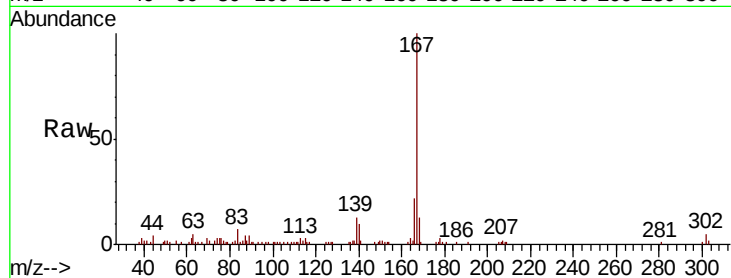
ClientSampleId :

C0S89DL

Tot Ion:	167	Resp:	43769
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.1	25.7
139	12.6	10.1	15.1

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#77

Fluoranthene

Concen: 17.602 ng/ul

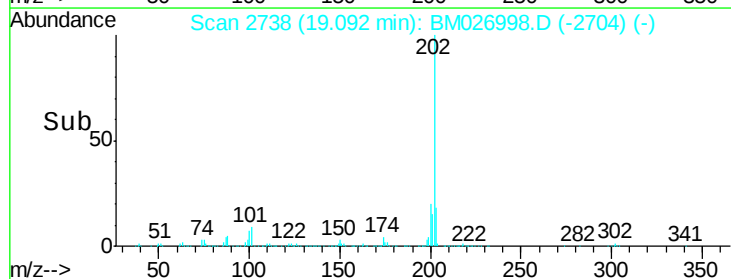
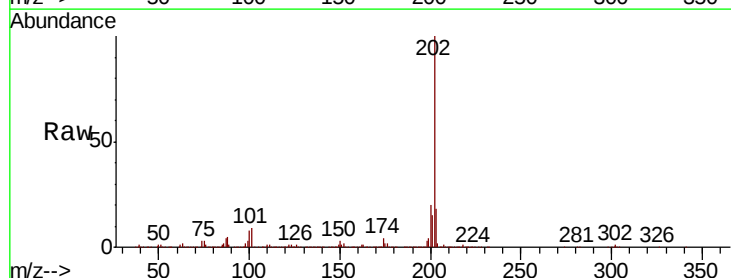
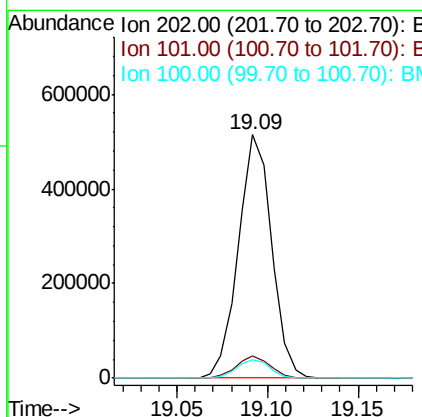
RT: 19.09 min Scan# 2738

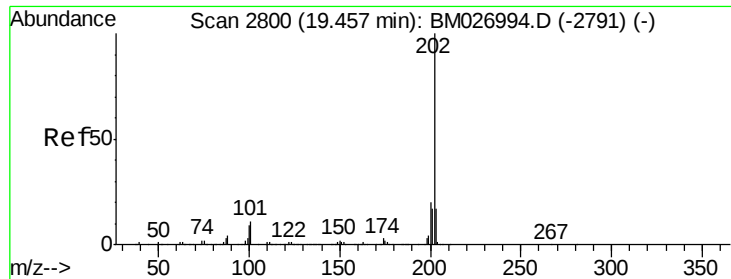
Delta R.T. -0.00 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Tgt Ion:	202	Resp:	655775
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.7	11.5
100	7.5	6.2	9.4





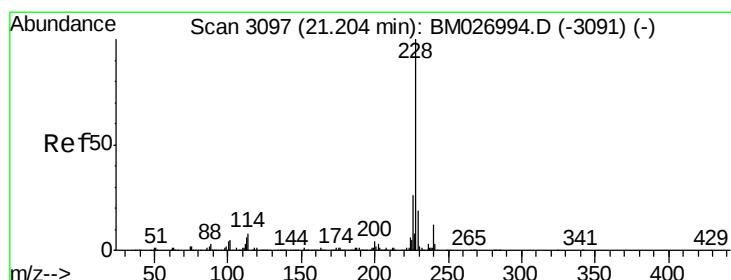
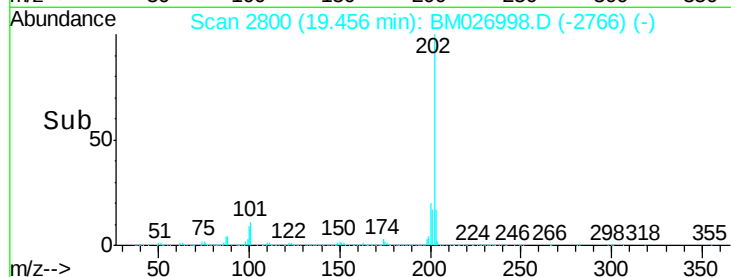
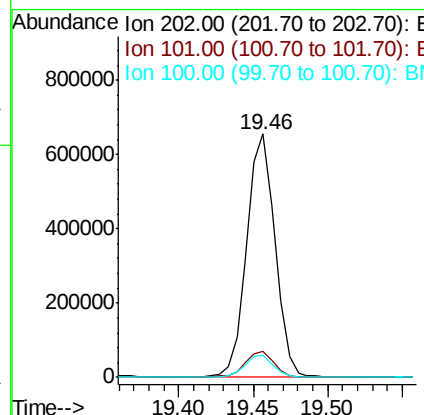
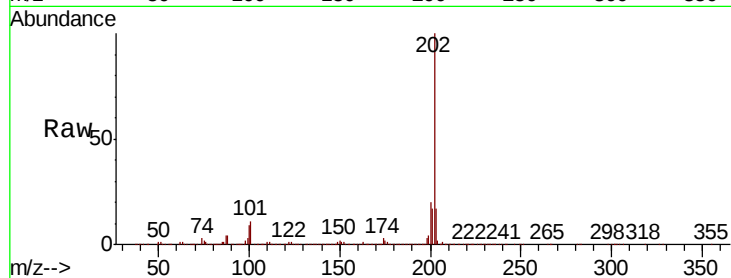
#80
Pvrene
Concen: 22.745 ng/ul
RT: 19.46 min Scan# 2800
Delta R.T. -0.00 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Instrument :
BNA_M
ClientSampleID :
C0S89DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	9.4	14.2
100	9.1	8.2	12.4

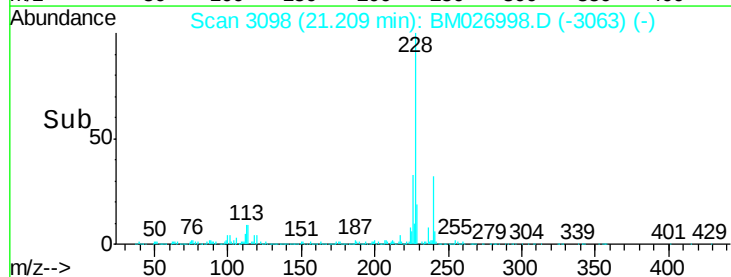
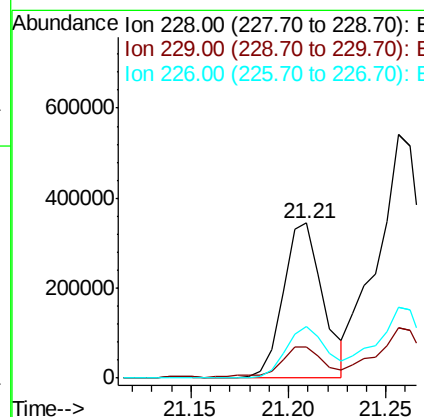
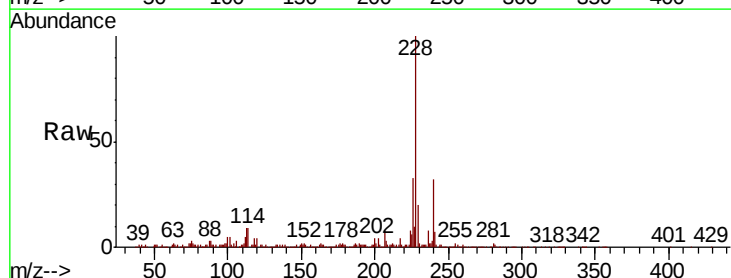
Manual Integrations
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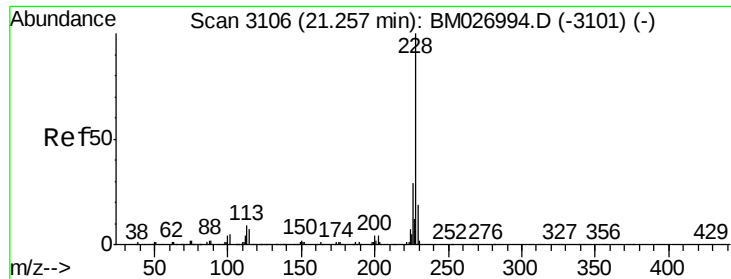
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#83
Benzo(a)anthracene
Concen: 13.628 ng/ul m
RT: 21.21 min Scan# 3098
Delta R.T. 0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	19.7	15.4	23.2
226	32.9	20.9	31.3#





#85

Chrysene

Concen: 24.073 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Instrument :

BNA_M

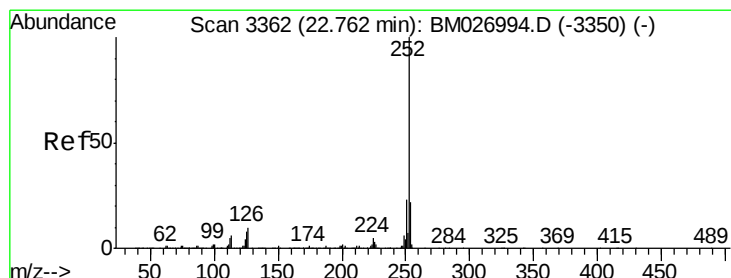
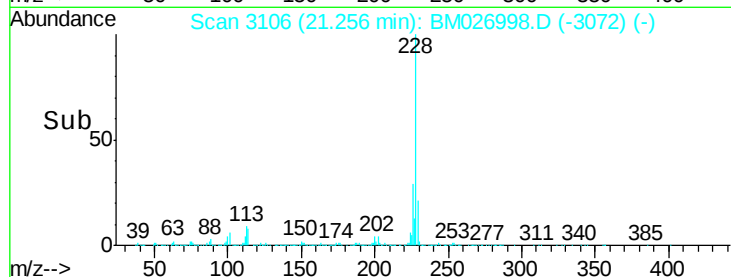
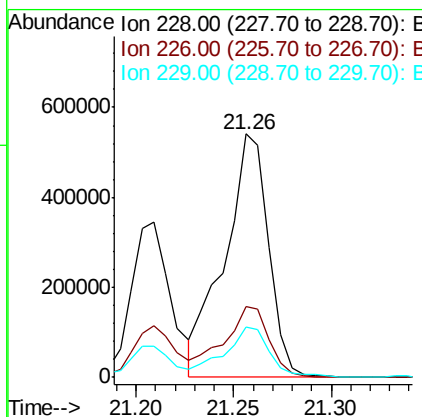
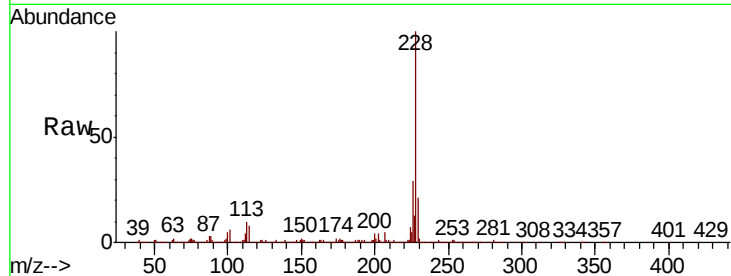
ClientSampleID :

C0S89DL

Tot Ion:	228	Resp:	840000
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.2	34.8
229	20.8	15.5	23.3

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#88

Benzo(b)fluoranthene

Concen: 45.103 ng/ul

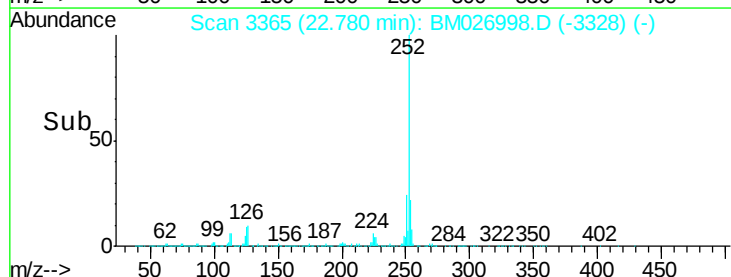
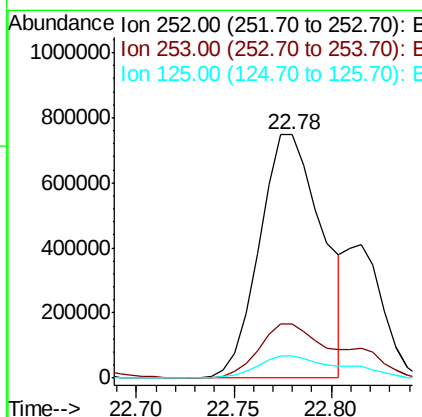
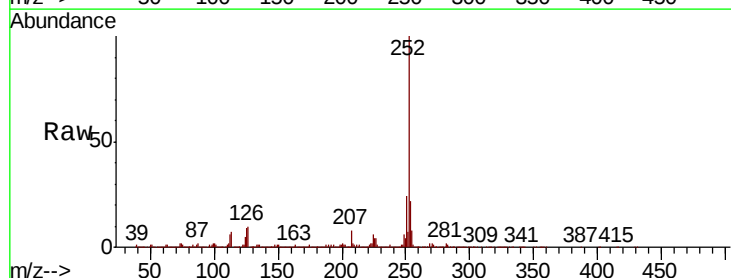
RT: 22.78 min Scan# 3365

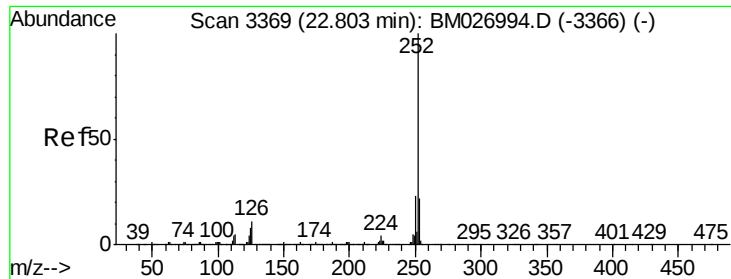
Delta R.T. 0.02 min

Lab File: BM026998.D

Acq: 04 Aug 2020 10:56

Tgt Ion:	252	Resp:	1666761
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	9.0	6.6	10.0





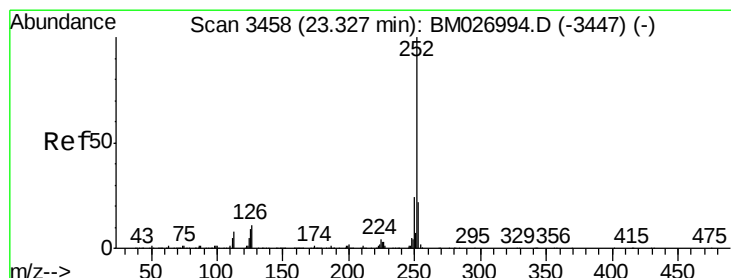
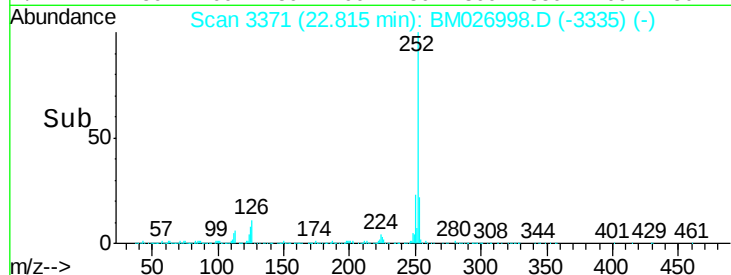
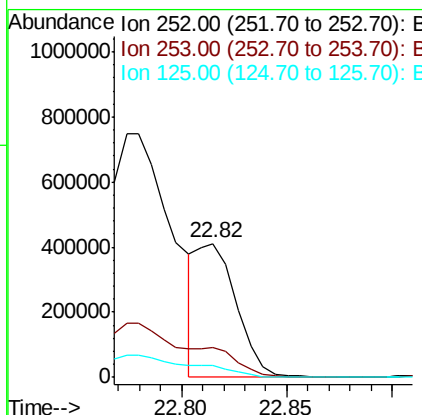
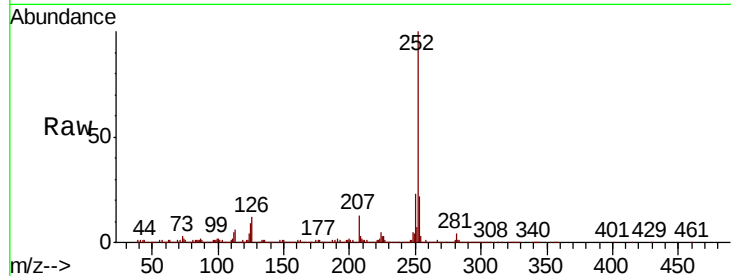
#89
Benzo(k)fluoranthene
Concen: 15.152 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Instrument :
BNA_M
ClientSampled :
C0S89DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	537325		
253	22.3		17.4	26.2
125	8.7		7.3	10.9

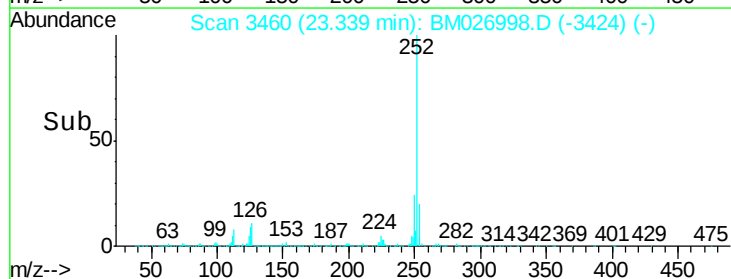
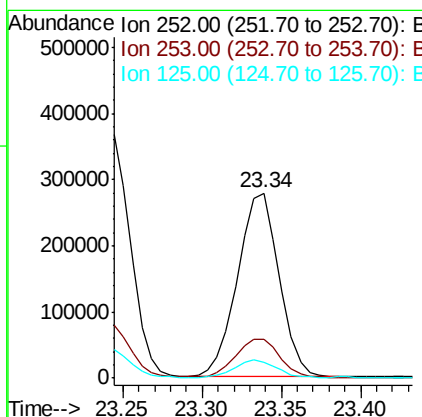
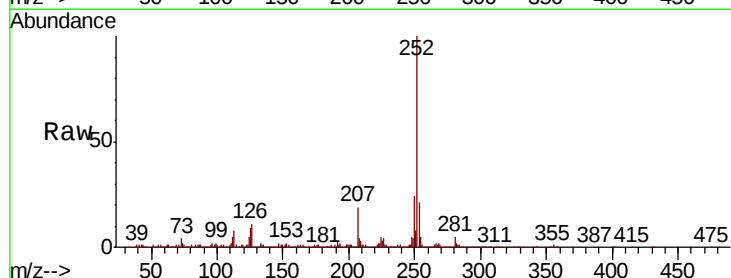
Manual Integrations
APPROVED

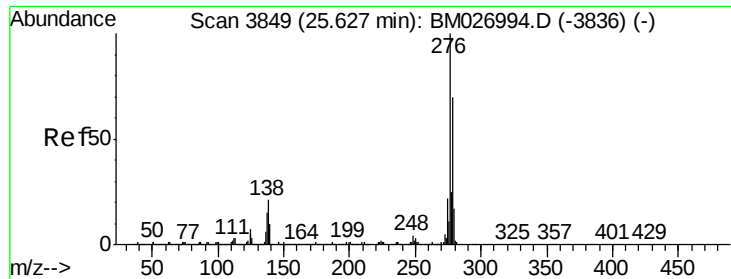
mohammad
8/5/2020 10:26:46 AM



#91
Benzo(a)pyrene
Concen: 15.253 ng/ul
RT: 23.34 min Scan# 3460
Delta R.T. 0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	508638		
253	21.0		17.7	26.5
125	8.8		8.2	12.2





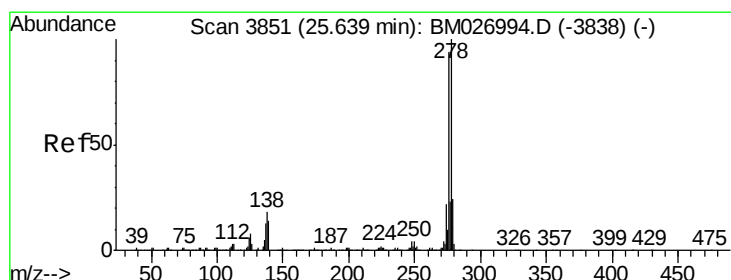
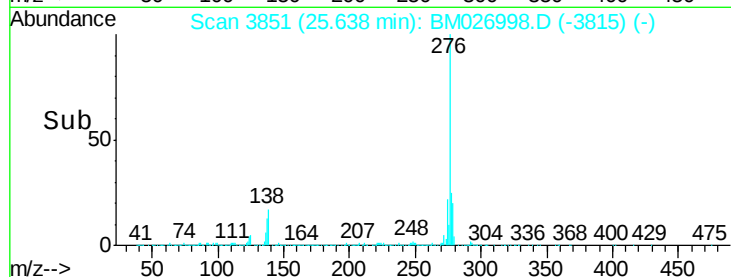
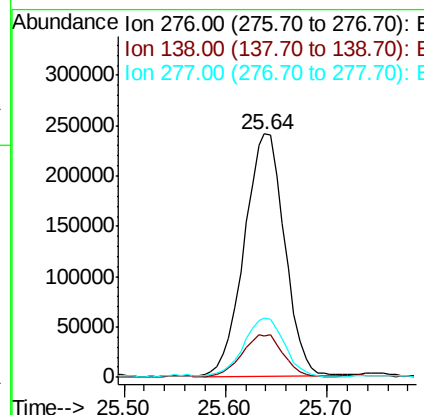
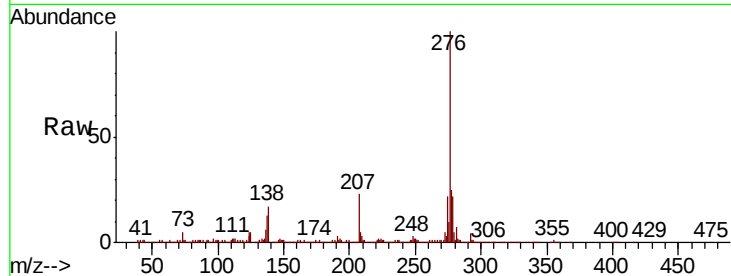
#92
Indeno(1,2,3-cd)pyrene
Concen: 16.154 ng/ul
RT: 25.64 min Scan# 3851
Delta R.T. 0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Instrument :
BNA_M
ClientSampleId :
C0S89DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.7	17.0	25.4#
277	24.6	20.6	30.8

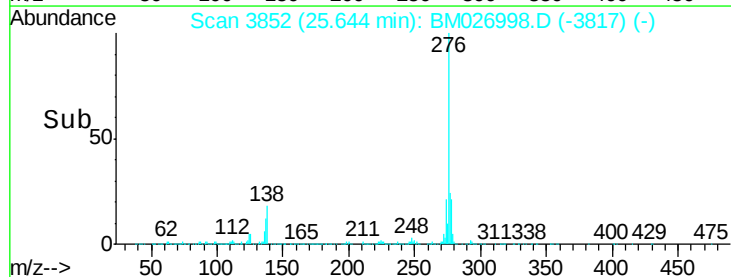
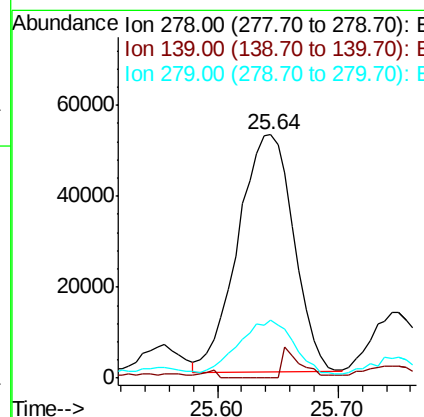
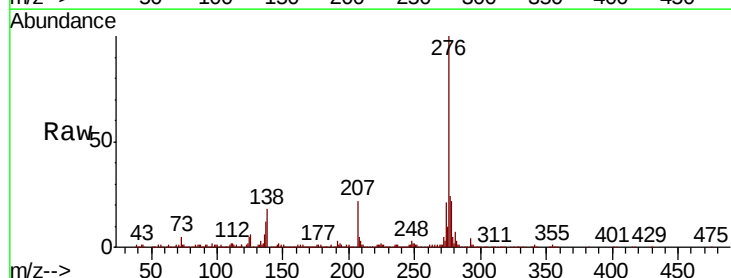
Manual Integrations
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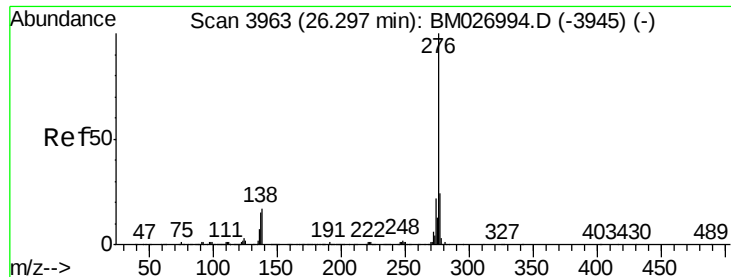
mohammad
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#93
Dibenzo(a,h)anthracene
Concen: 4.803 ng/ul
RT: 25.64 min Scan# 3852
Delta R.T. 0.01 min
Lab File: BM026998.D
Acq: 04 Aug 2020 10:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.9	16.3#
279	24.1	19.4	29.2





#94
 Benzo(a,h,i)perylene
 Concen: 5.282 ng/ul
 RT: 26.30 min Scan# 3964
 Delta R.T. 0.01 min
 Lab File: BM026998.D
 Acq: 04 Aug 2020 10:56

Instrument :
 BNA_M
 ClientSampleId :
 C0S89DL

Tot Ion:	276	Resp:	180691
Ion Ratio	Lower	Upper	
276	100		
138	19.3	14.9	22.3
277	23.1	19.1	28.7

Manual Integrations
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mohammad
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