

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
 Data File : BM024844.D
 Acq On : 11 Feb 2020 21:04
 Operator : CG/JU
 Sample : L1405-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6P6

Manual Integrations
 APPROVED

mohammad
 2/12/2020 3:52:39 PM

Quant Time: Feb 12 05:04:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 12 04:40:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	322007	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1279160	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	844336	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1839161	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1860272	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1965677	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	27726	4.14	ng/uL	0.00
5) Phenol-d5	6.60	99	486030	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	288510	23.88	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	446657	23.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	367220	20.34	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	218512	23.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	258896	23.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	458814	20.81	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	573274	27.80	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1506693	23.64	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1760129	23.65	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	209529	20.23	ng/ul	0.00
58) Fluorene-d10	15.06	176	1313843	23.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	226223	18.87	ng/ul	0.00
71) Anthracene-d10	16.90	188	2001602	23.84	ng/ul	0.00
79) Pyrene-d10	19.22	212	2362239	25.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	2548433	25.81	ng/ul	0.00

Target Compounds

					Ovalue	
50) Acenaphthene	14.12	153	52407	1.007	ng/ul	93
70) Phenanthrene	16.85	178	1126351	11.232	ng/ul	99
72) Anthracene	16.94	178	214506	2.109	ng/ul	98
77) Fluoranthene	18.87	202	1809747	14.701	ng/ul	97
80) Pyrene	19.24	202	1581110	12.840	ng/ul	100
83) Benzo(a)anthracene	21.00	228	892865	7.125	ng/ul	99
85) Chrysene	21.06	228	814160	6.600	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1133544	9.069	ng/ul#	99
89) Benzo(k)fluoranthene	22.54	252	352481m	2.930	ng/ul	
91) Benzo(a)pyrene	23.03	252	685889	6.121	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.17	276	513272	3.679	ng/ul	98
93) Dibenzo(a,h)anthracene	25.17	278	143955	1.211	ng/ul#	97
94) Benzo(g,h,i)perylene	25.79	276	432865	3.731	ng/ul	99

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

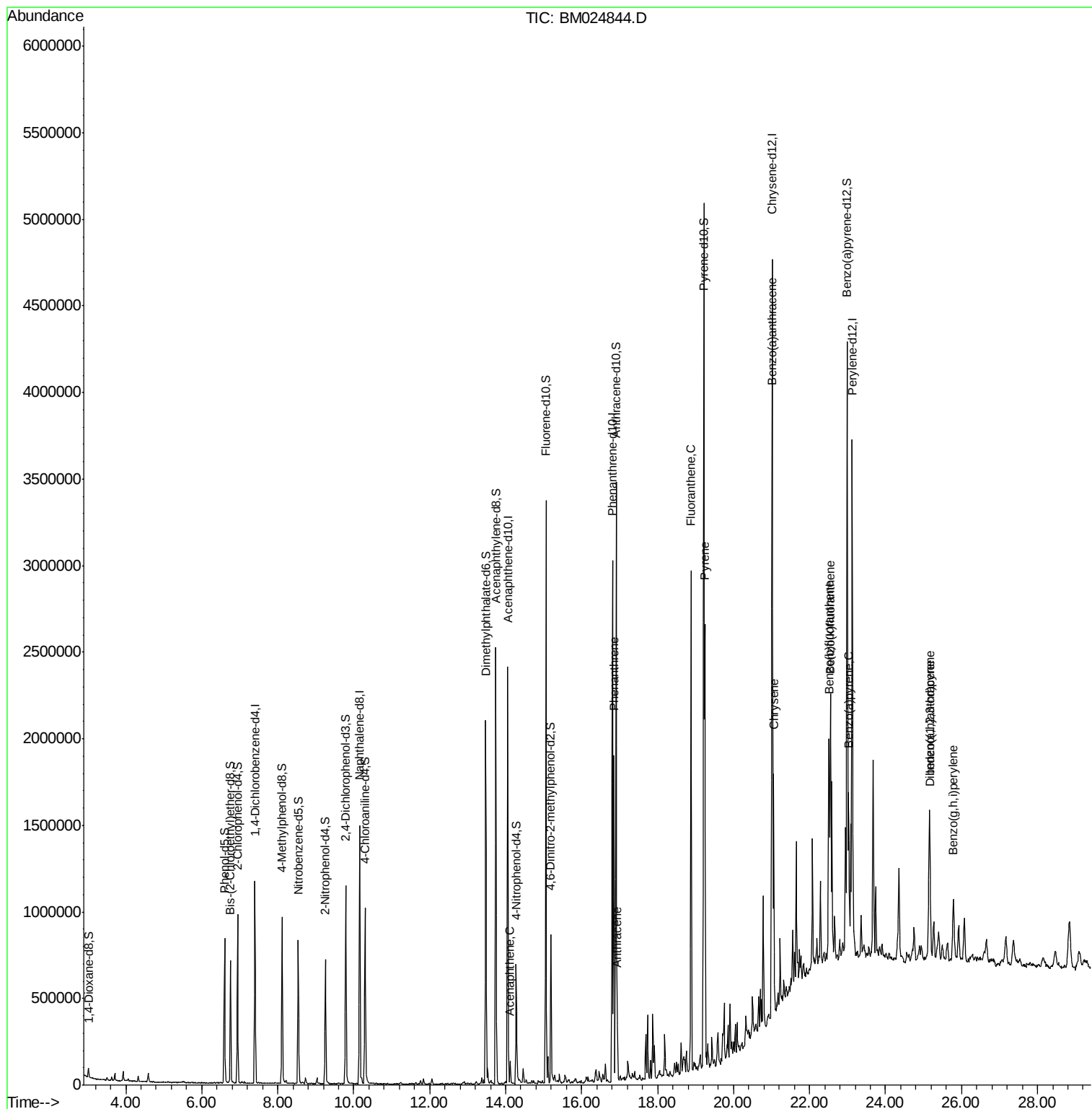
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021120\
Data File : BM024844.D
Acq On : 11 Feb 2020 21:04
Operator : CG/JU
Sample : L1405-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

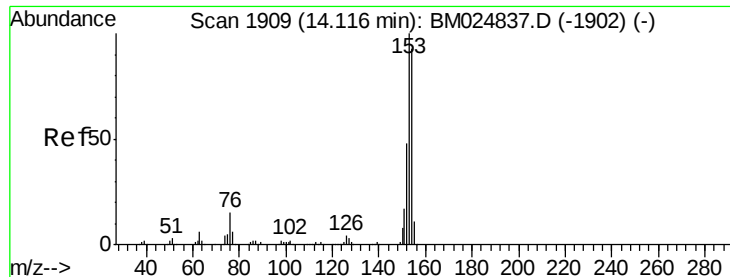
Instrument :
BNA_M
ClientSampled :
CB6P6

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Quant Time: Feb 12 05:04:33 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 04:40:07 2020
Response via : Initial Calibration





#50

Acenaphthene

Concen: 1.007 ng/ul

RT: 14.12 min Scan# 1909

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

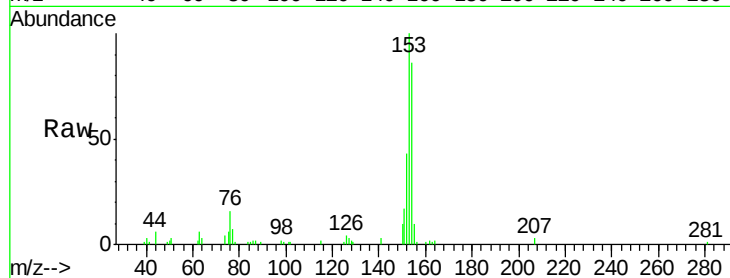
ClientSampleId :

CB6P6

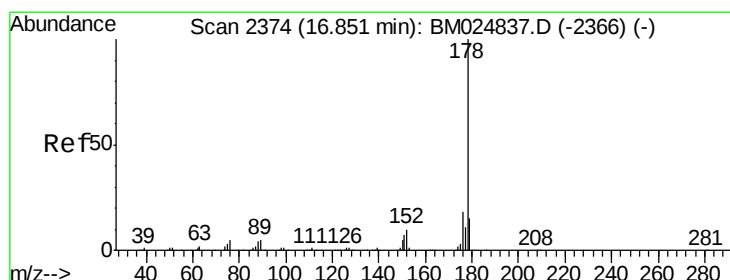
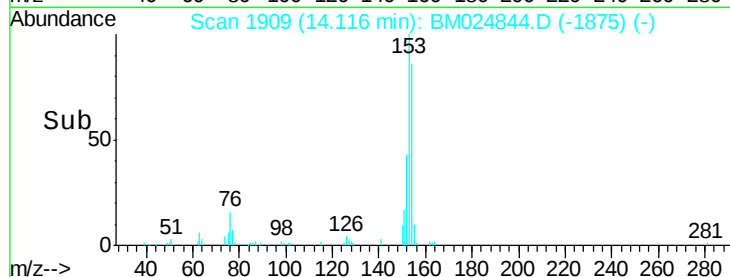
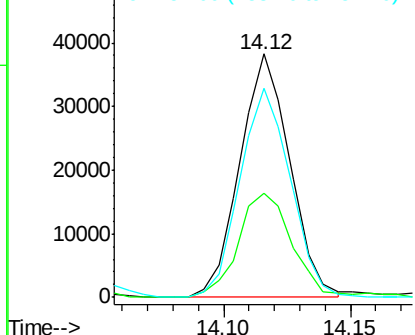
Tot Ion:	153	Resp:	52407
Ion Ratio	Lower	Upper	
153	100		
152	42.8	37.3	55.9
154	86.0	74.1	111.1

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#70

Phenanthrene

Concen: 11.232 ng/ul

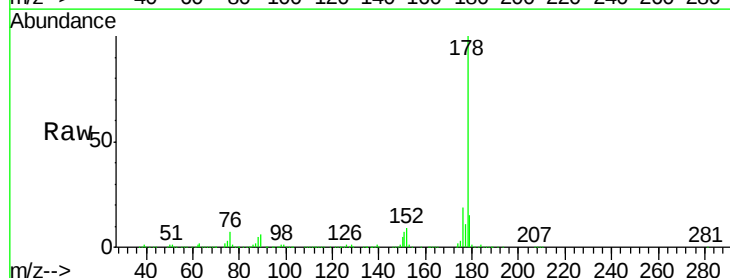
RT: 16.85 min Scan# 2374

Delta R.T. 0.00 min

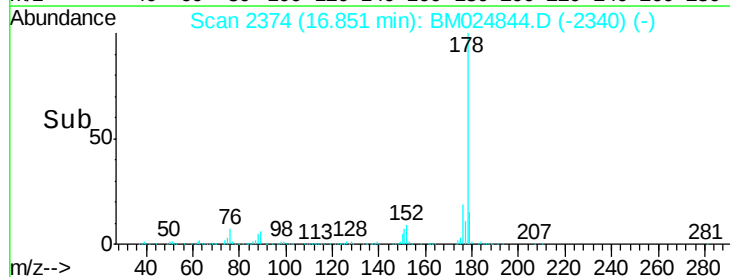
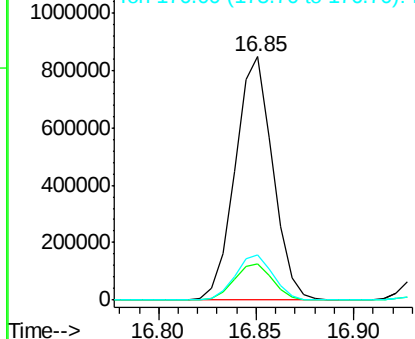
Lab File: BM024844.D

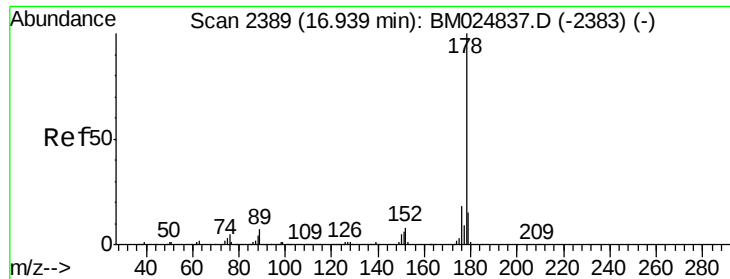
Acq: 11 Feb 2020 21:04

Tgt Ion:	178	Resp:	1126351
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.2	18.2
176	18.7	14.5	21.7



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: 2.109 ng/ul

RT: 16.94 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

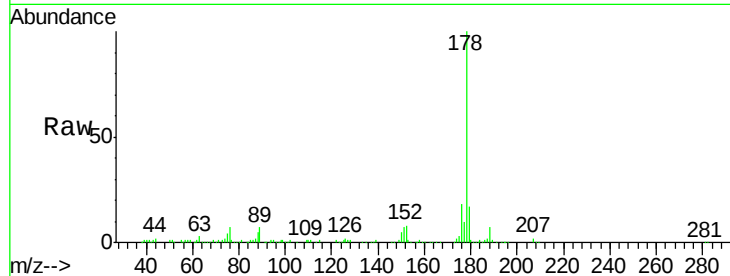
ClientSampleId :

CB6P6

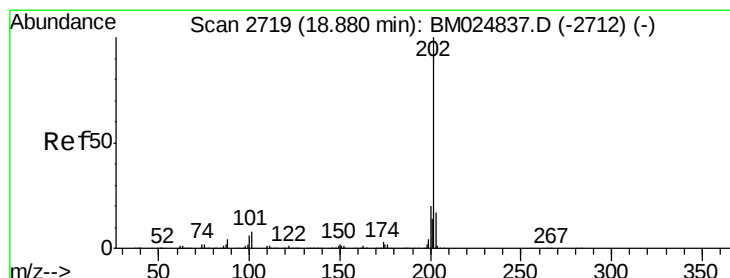
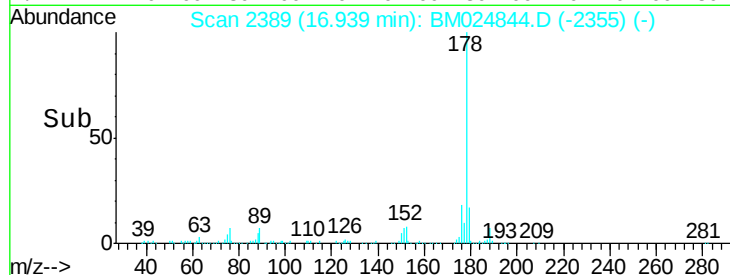
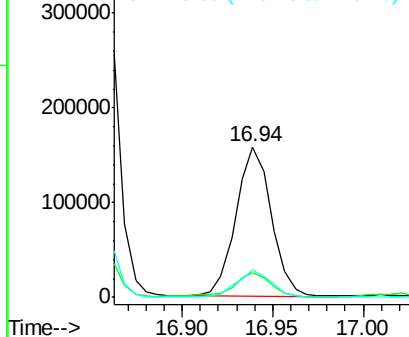
Tot Ion:	178	Resp:	214506
Ion Ratio	Lower	Upper	
178	100		
179	16.7	12.3	18.5
176	18.4	14.1	21.1

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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



#77

Fluoranthene

Concen: 14.701 ng/ul

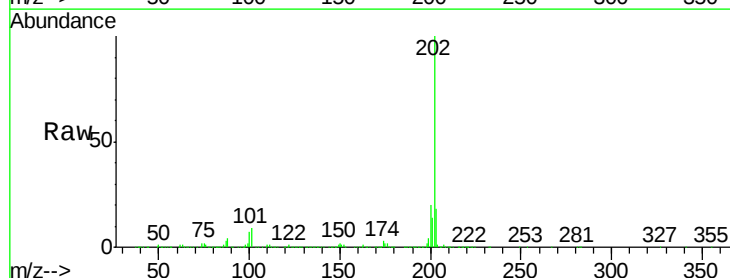
RT: 18.87 min Scan# 2718

Delta R.T. -0.01 min

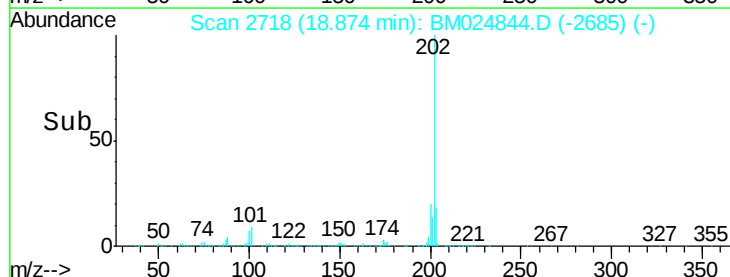
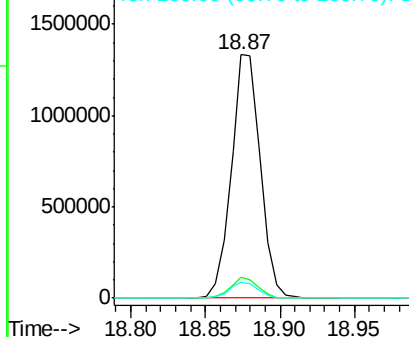
Lab File: BM024844.D

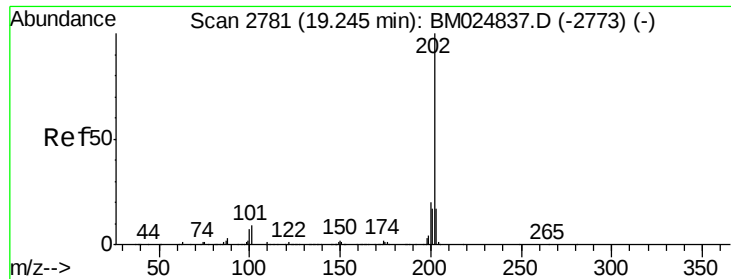
Acq: 11 Feb 2020 21:04

Tgt Ion:	202	Resp:	1809747
Ion Ratio	Lower	Upper	
202	100		
101	8.8	6.1	9.1
100	6.7	4.8	7.2



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): B





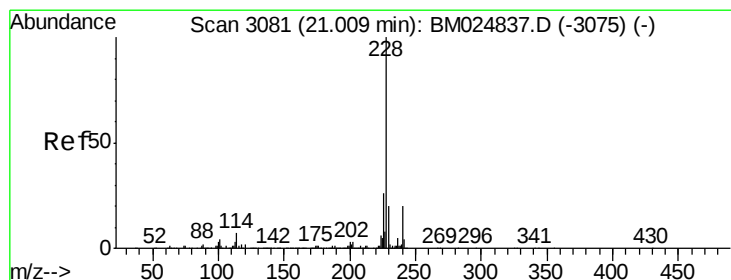
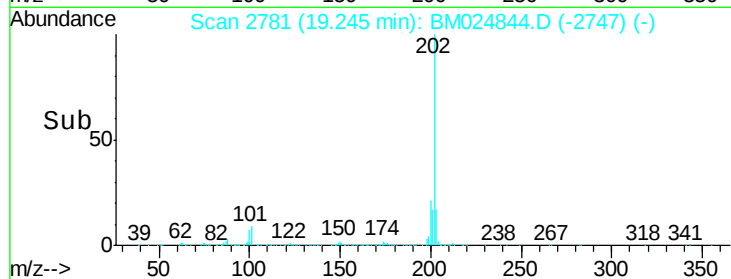
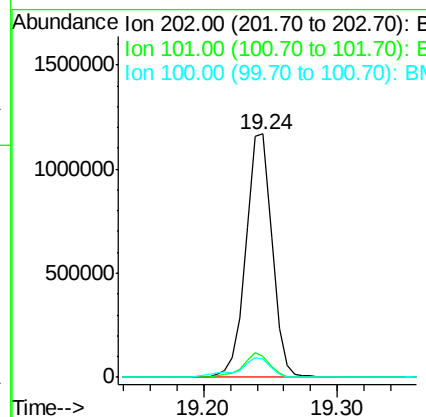
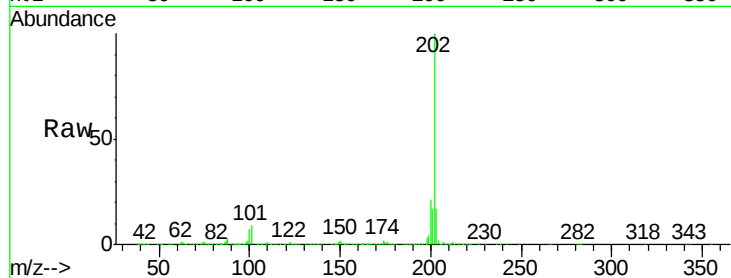
#80
Pvrene
Concen: 12.840 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. 0.00 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Instrument :
BNA_M
ClientSampleId :
CB6P6

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
100	7.3	5.8	8.8

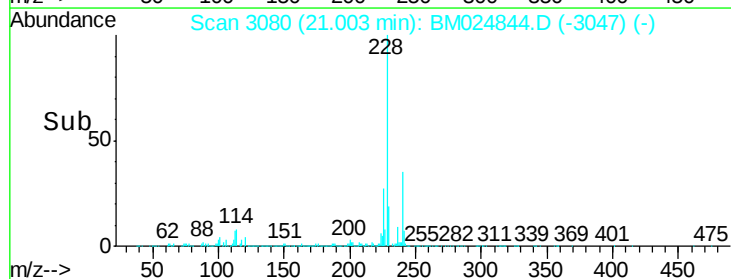
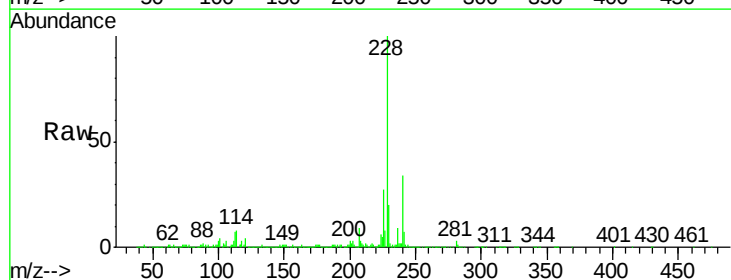
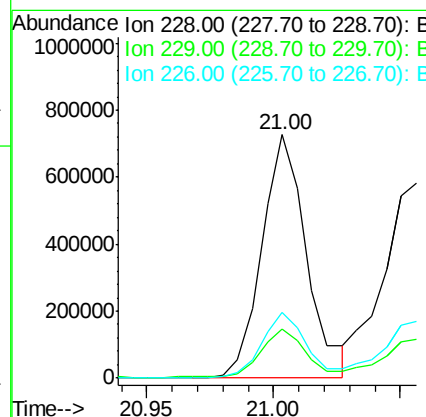
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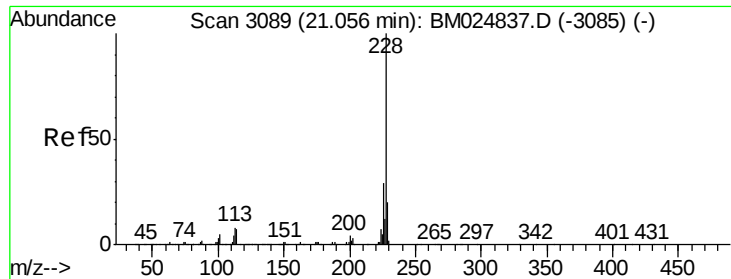
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#83
Benzo(a)anthracene
Concen: 7.125 ng/ul
RT: 21.00 min Scan# 3080
Delta R.T. -0.01 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.9	23.9
226	27.0	20.8	31.2





#85

Chrysene

Concen: 6.600 ng/u1

RT: 21.06 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Instrument :

BNA_M

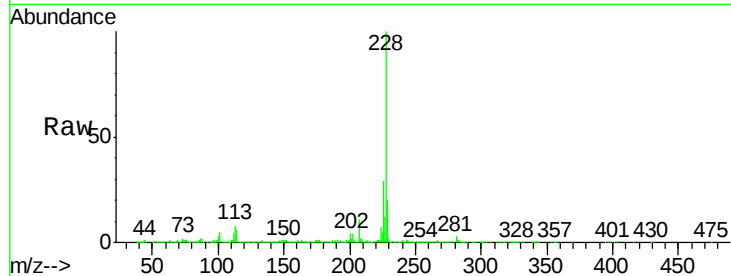
ClientSampled :

CB6P6

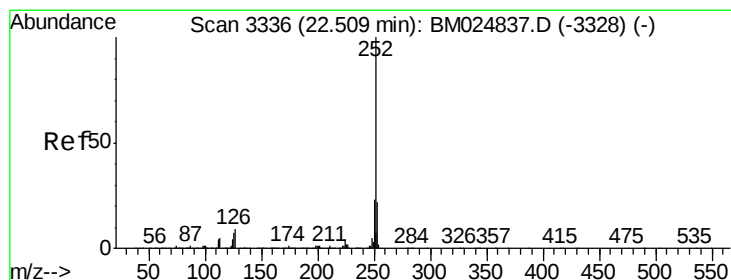
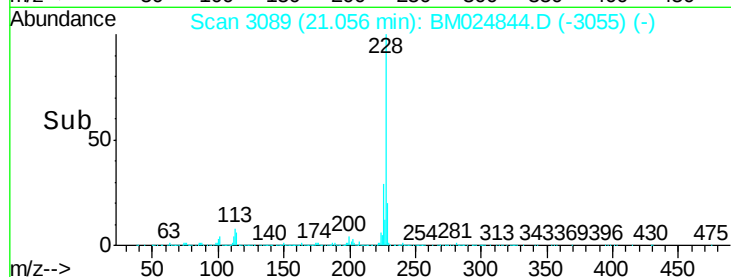
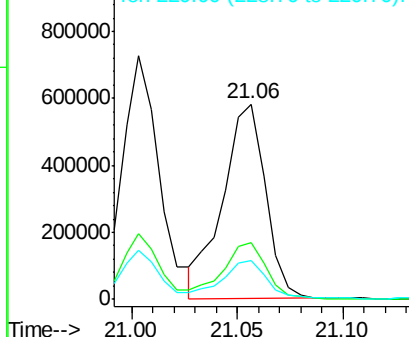
Tot Ion:	228	Resp:	814160
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.0	34.4
229	20.0	15.8	23.8

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 9.069 ng/u1

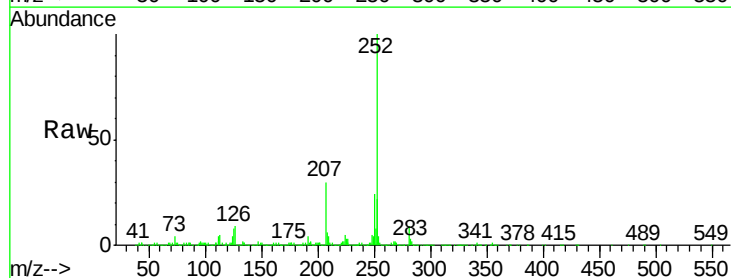
RT: 22.51 min Scan# 3336

Delta R.T. 0.00 min

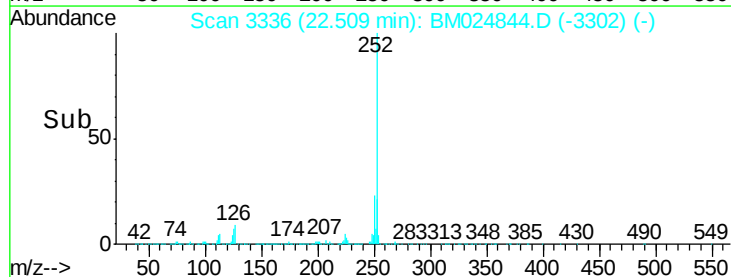
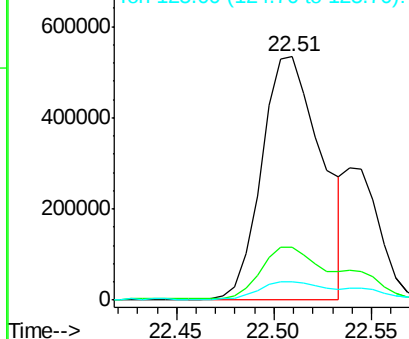
Lab File: BM024844.D

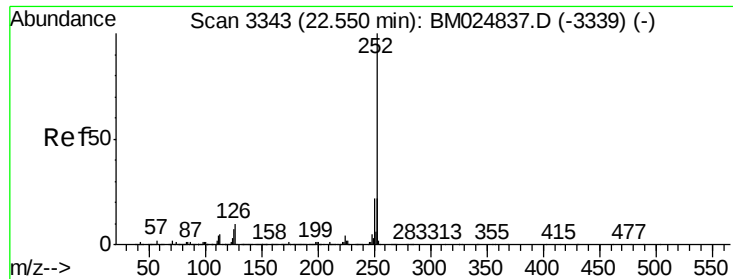
Acq: 11 Feb 2020 21:04

Tgt Ion:	252	Resp:	1133544
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.3	25.9
125	7.8	5.1	7.7#



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





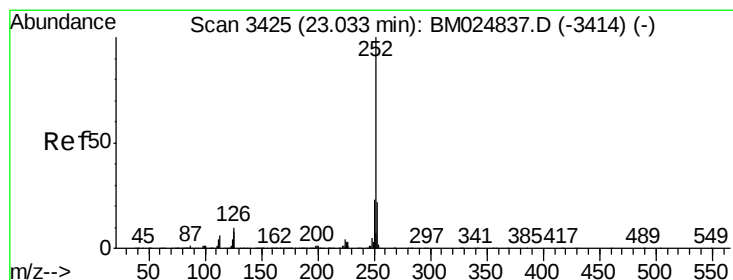
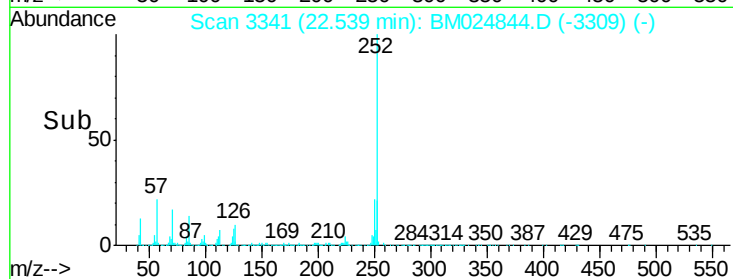
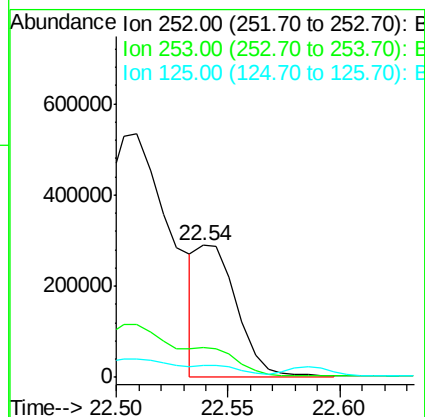
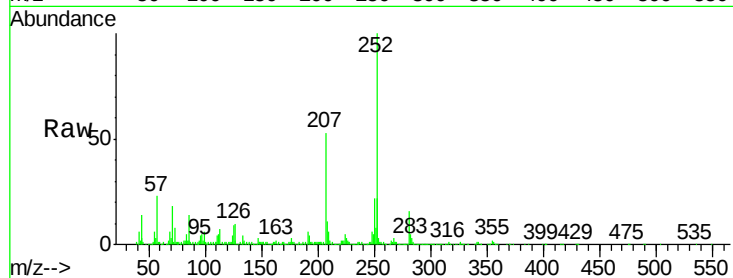
#89
Benzo(k)fluoranthene
Concen: 2.930 ng/ul m
RT: 22.54 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Instrument :
BNA_M
ClientSampleId :
CB6P6

Tot Ion	Ratio	Resp	Lower	Upper
252	100	352481		
253	22.3	17.4	26.0	
125	8.8	5.1	7.7#	

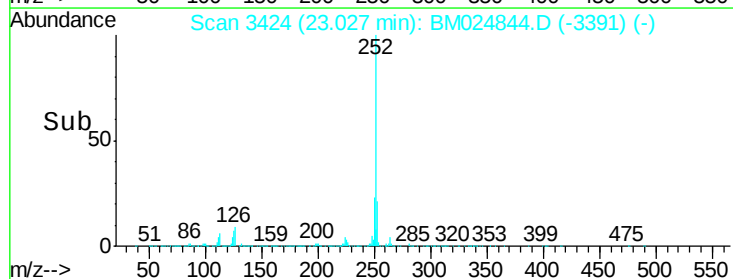
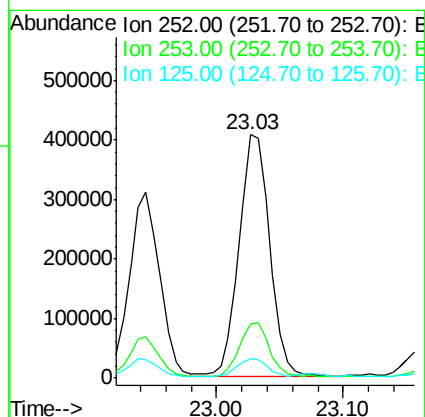
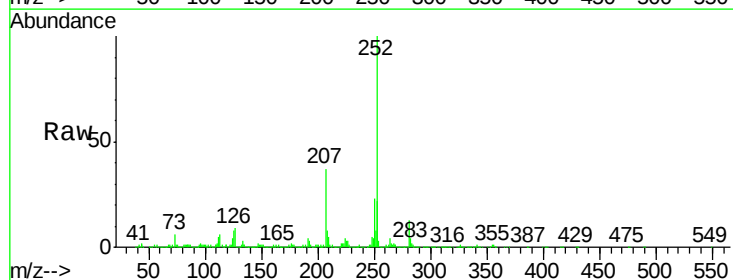
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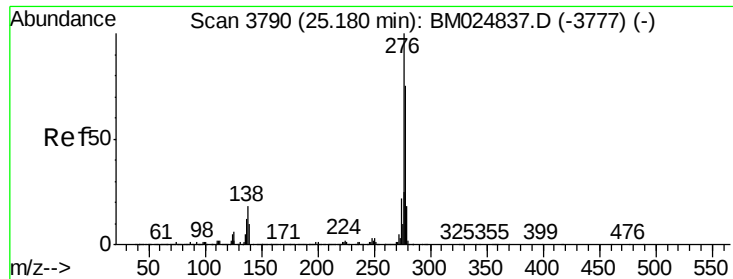
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#91
Benzo(a)pyrene
Concen: 6.121 ng/ul
RT: 23.03 min Scan# 3424
Delta R.T. -0.01 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	685889		
253	22.2	17.5	26.3	
125	8.0	5.6	8.4	





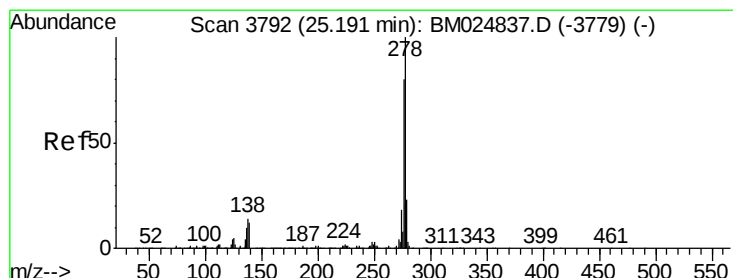
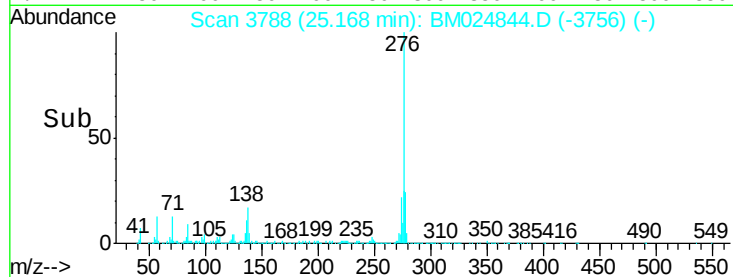
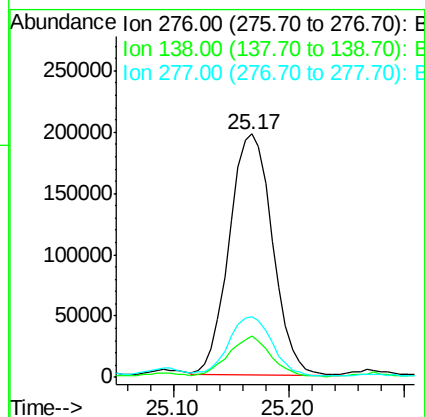
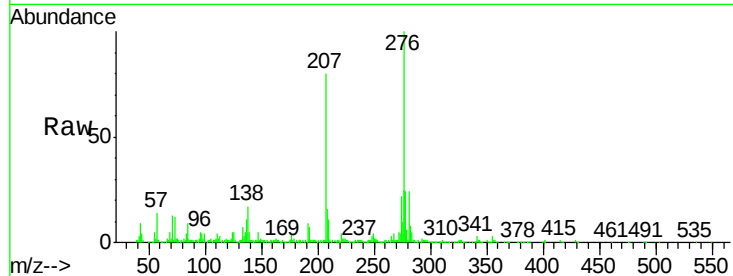
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.679 ng/ul
RT: 25.17 min Scan# 3788
Delta R.T. -0.01 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Instrument :
BNA_M
ClientSampled :
CB6P6

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.8	19.2
277	25.0	19.3	28.9

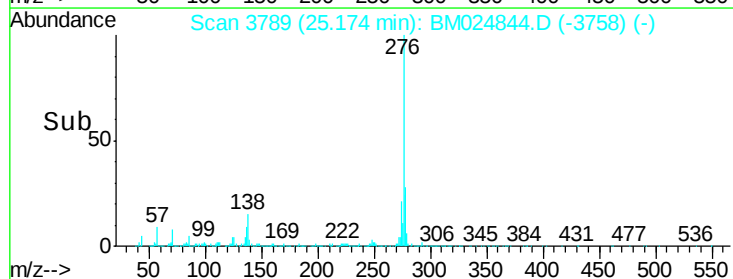
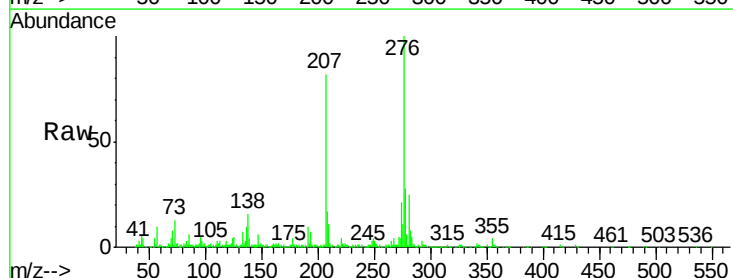
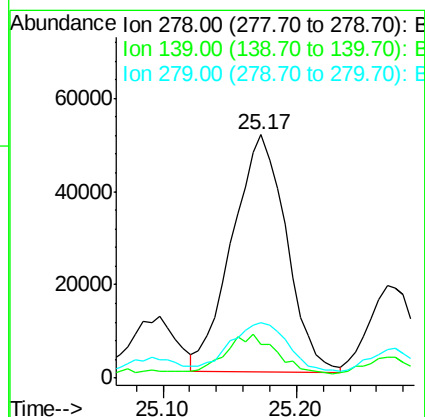
Manual Integrations
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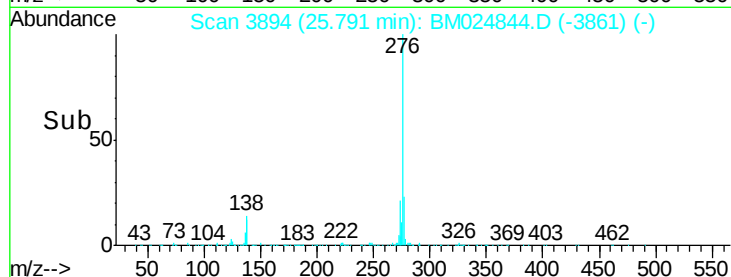
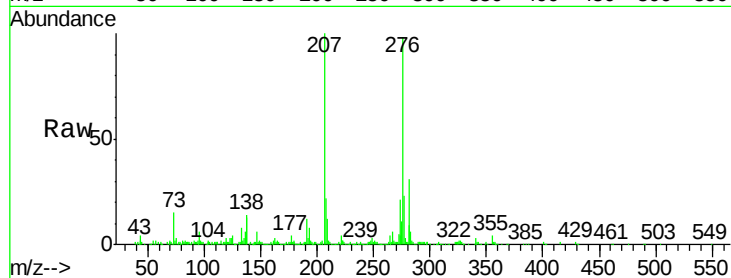
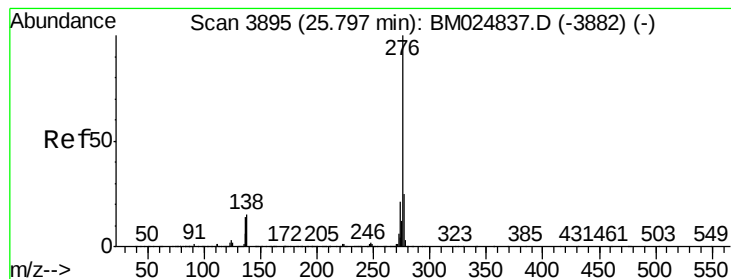
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#93
Dibenzo(a,h)anthracene
Concen: 1.211 ng/ul
RT: 25.17 min Scan# 3789
Delta R.T. -0.02 min
Lab File: BM024844.D
Acq: 11 Feb 2020 21:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.4	12.6#
279	22.6	18.5	27.7





#94

Benzo(a,h,i)perylene

Concen: 3.731 ng/ul

RT: 25.79 min Scan# 3894

Delta R.T. -0.01 min

Lab File: BM024844.D

Acq: 11 Feb 2020 21:04

Tot Ion	Ratio	Resp	Lower	Upper
276	100	432865		
138	14.5	11.8	17.6	
277	23.5	19.0	28.6	

Instrument :

BNA_M

ClientSampleId :

CB6P6

Manual Integrations
APPROVED

mohammad
2/12/2020 3:52:39 PM

