

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024676.D
 Acq On : 31 Jan 2020 01:42
 Operator : CG/JU
 Sample : L1274-02DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BORING-B2-SAMPLE-S1DL

Manual Integrations
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mohammad
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Quant Time: Jan 31 03:13:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	224044	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	848581	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	570566	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	1300159	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1341928	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1608662	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	76077	6.46	ng	-0.01
7) Phenol-d6	6.63	99	96635	5.95	ng	-0.02
23) Nitrobenzene-d5	8.57	82	62552	3.62	ng	-0.02
42) 2,4,6-Tribromophenol	15.58	330	60255	6.49	ng	-0.01
45) 2-Fluorobiphenyl	12.69	172	183474	4.37	ng	-0.02
79) Terphenyl-d14	19.49	244	357058	4.97	ng	-0.02

Target Compounds				Qvalue		
38) 1-Methylnaphthalene	12.09	142	84914	2.699	ng	# 94
49) Acenaphthylene	13.79	152	487866	9.349	ng	98
52) Acenaphthene	14.14	154	151673	4.684	ng	97
55) Dibenzofuran	14.48	168	121146	2.294	ng	# 92
58) Fluorene	15.13	166	328094	7.393	ng	94
71) Phenanthrene	16.87	178	2937666	41.725	ng	99
72) Anthracene	16.96	178	999578	14.510	ng	98
73) Carbazole	17.24	167	147290	2.349	ng	99
75) Fluoranthene	18.90	202	3633400	41.348	ng	98
78) Pyrene	19.27	202	4711207	53.255	ng	99
81) Benzo(a)anthracene	21.03	228	2173155	23.333	ng	94
83) Chrysene	21.08	228	2043188	22.990	ng	98
86) Indeno(1,2,3-cd)pyrene	25.21	276	780460	8.057	ng	96
88) Benzo(b)fluoranthene	22.53	252	1724672m	16.530	ng	
89) Benzo(k)fluoranthene	22.57	252	486590m	4.778	ng	
90) Benzo(a)pyrene	23.06	252	1553085	16.373	ng	98
91) Dibenzo(a,h)anthracene	25.22	278	256223	2.846	ng	# 87
92) Benzo(g,h,i)perylene	25.84	276	887893	10.861	ng	97

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

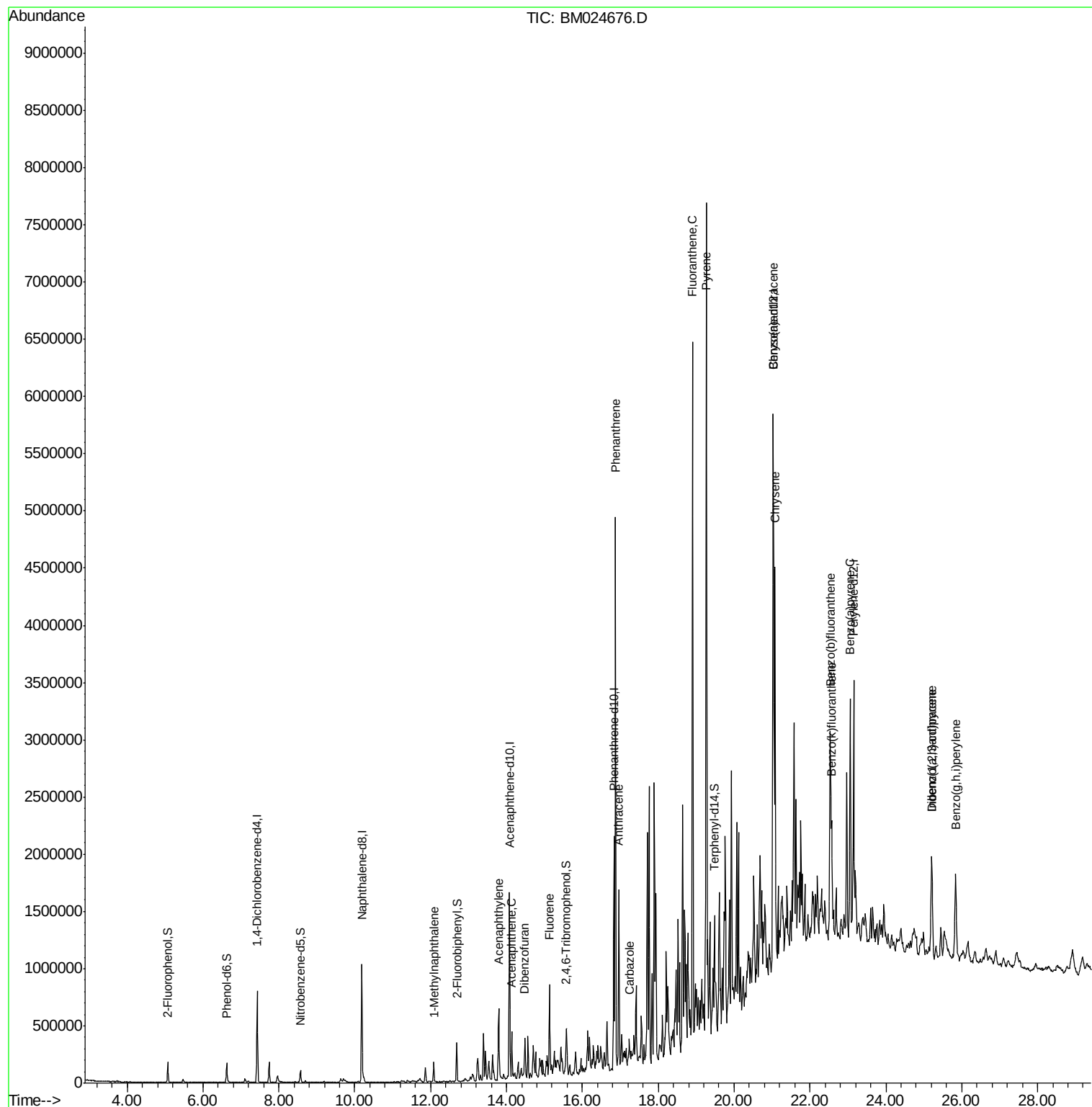
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
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ALS Vial : 19 Sample Multiplier: 1

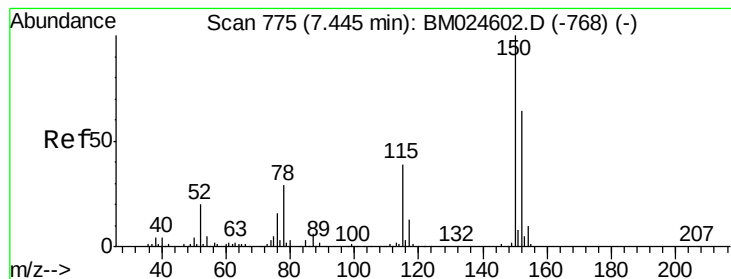
Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 23 14:57:07 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.43 min Scan# 772

Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

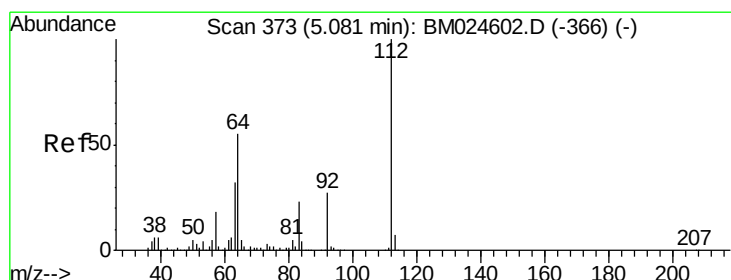
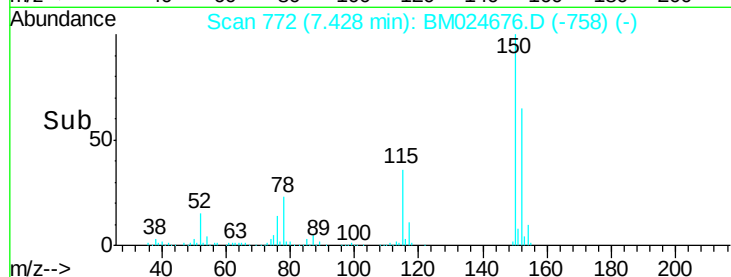
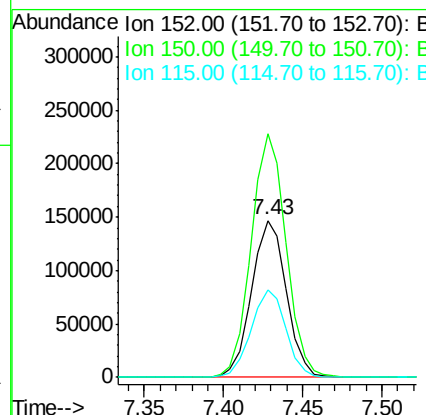
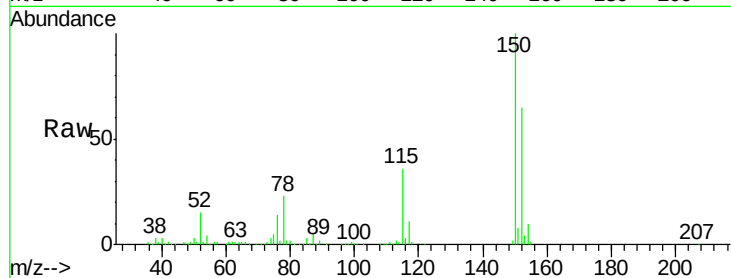
ClientSampleId :

BORING-B2-SAMPLE-S1DL

Tot Ion:	152	Resp:	224044
Ion Ratio	Lower	Upper	
152	100		
150	154.9	124.2	186.4
115	55.3	48.6	72.8

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#5

2-Fluorophenol

Concen: 6.458 ng

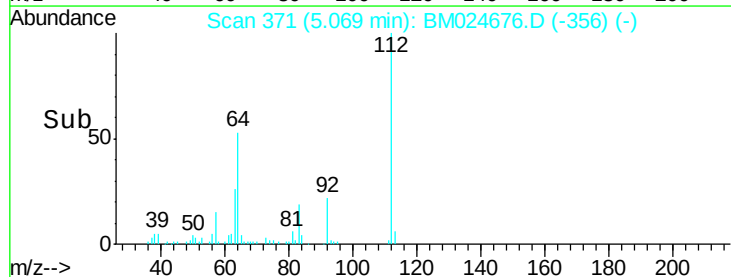
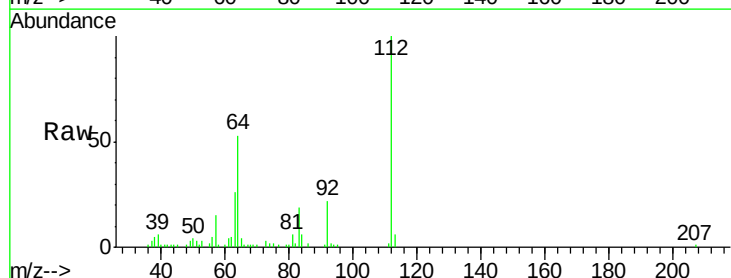
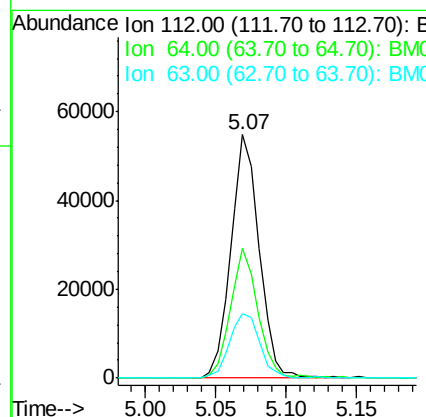
RT: 5.07 min Scan# 371

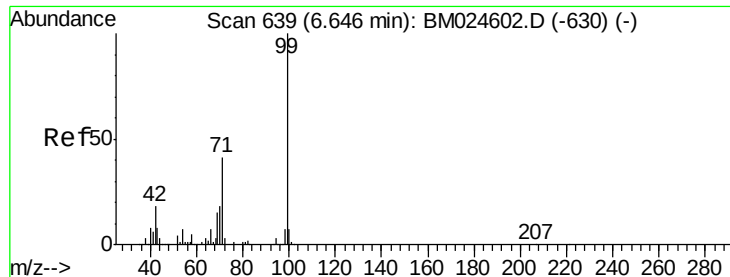
Delta R.T. -0.01 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Tgt Ion:	112	Resp:	76077
Ion Ratio	Lower	Upper	
112	100		
64	53.0	44.2	66.4
63	26.4	25.9	38.9





#7

Phenol-d6

Concen: 5.954 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

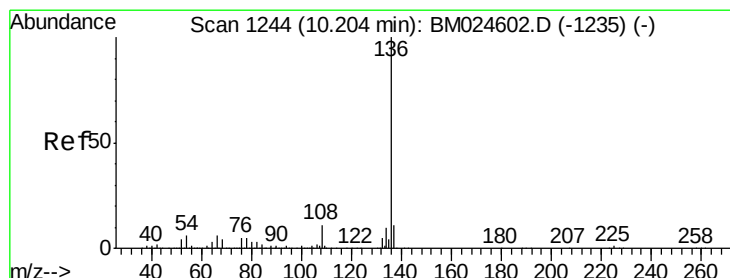
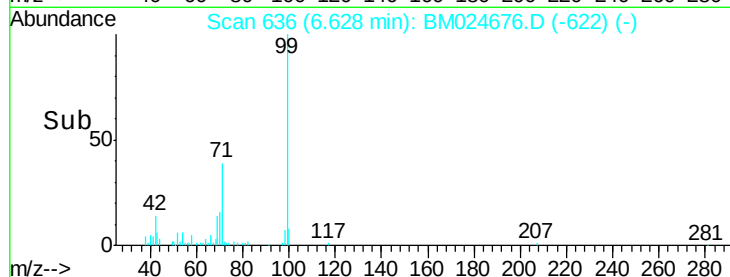
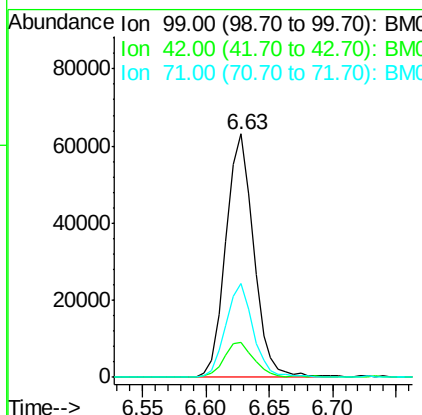
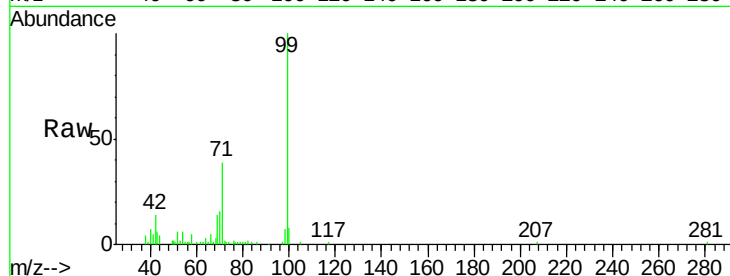
ClientSampleId :

BORING-B2-SAMPLE-S1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		96635		
42	14.4	14.1	21.1		
71	38.6	33.0	49.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

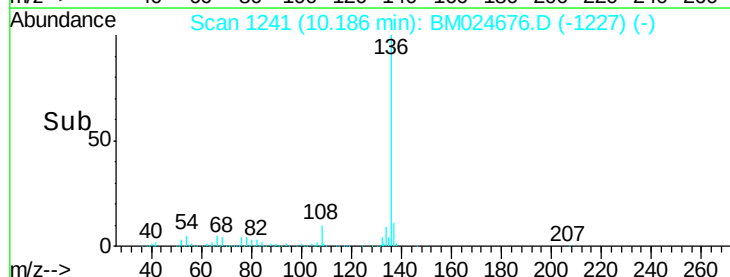
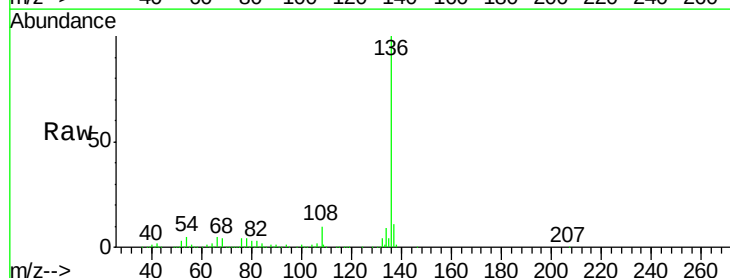
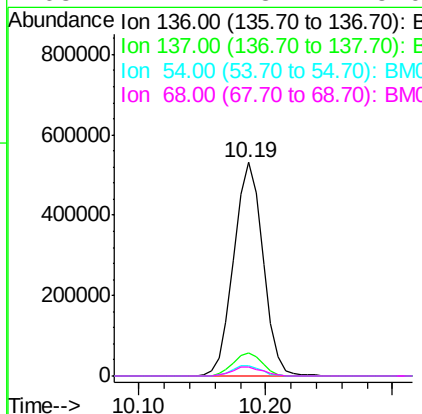
RT: 10.19 min Scan# 1241

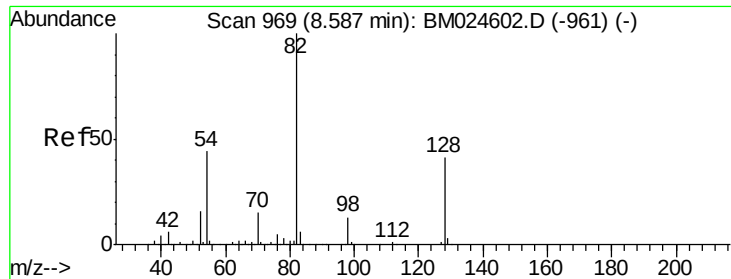
Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		848581		
137	11.0	8.6	13.0		
54	4.5	4.5	6.7		
68	4.1	3.4	5.0		





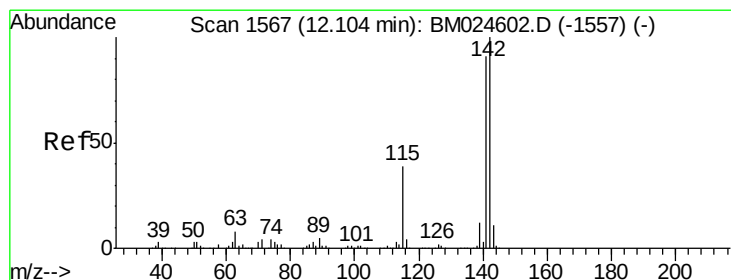
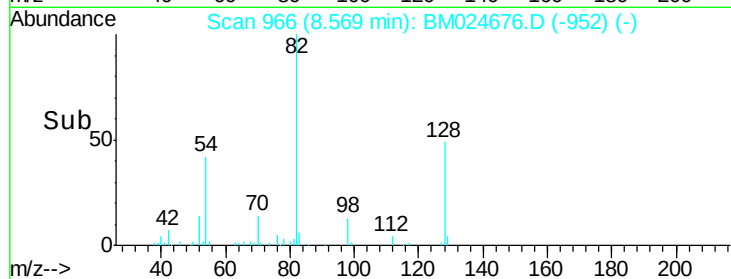
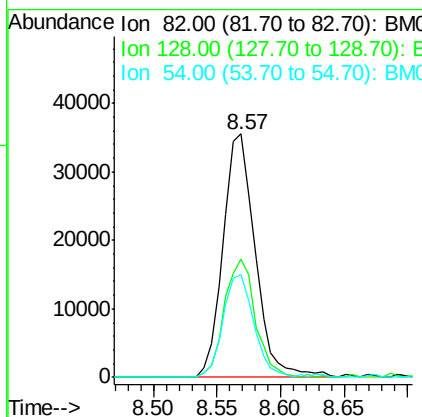
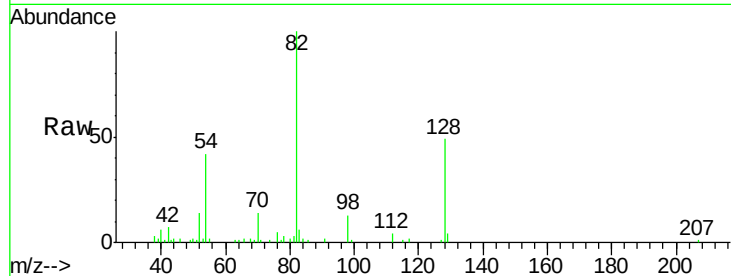
#23
Nitrobenzene-d5
Concen: 3.615 ng
RT: 8.57 min Scan# 966
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.7	32.6	48.8
54	42.4	34.8	52.2

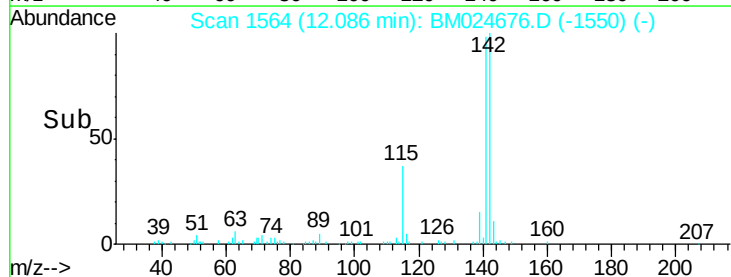
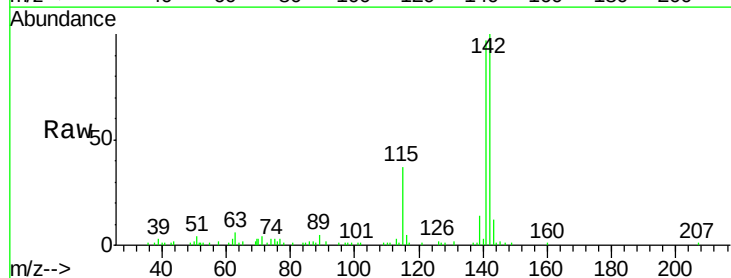
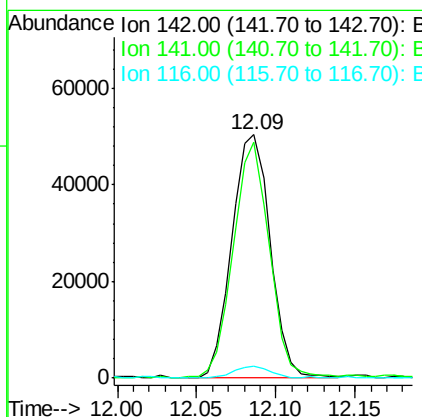
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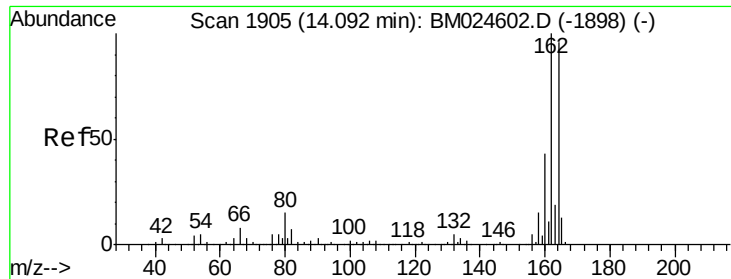
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#38
1-Methylnaphthalene
Concen: 2.699 ng
RT: 12.09 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.8	72.8	109.2
116	5.1	3.2	4.8#





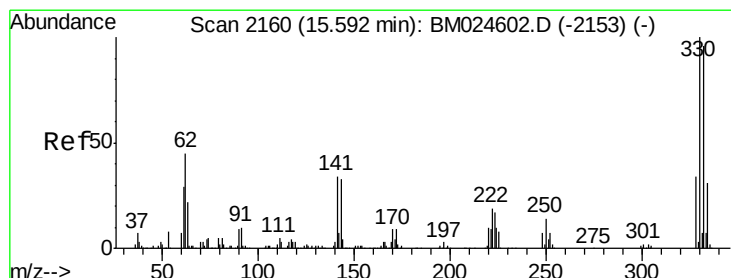
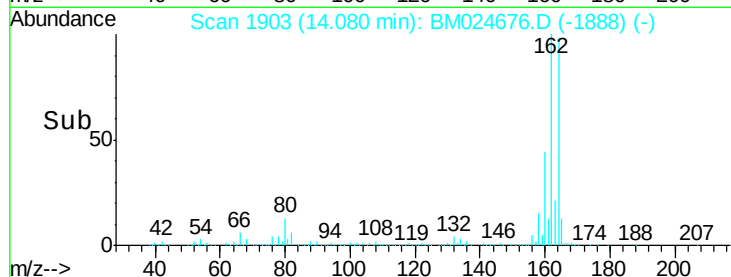
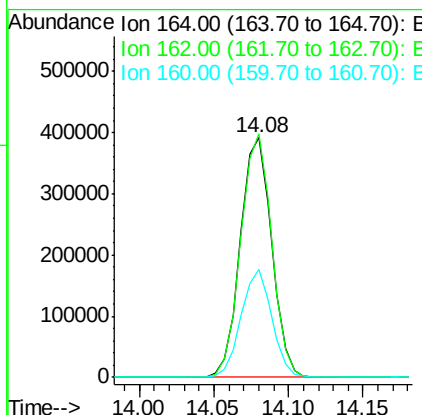
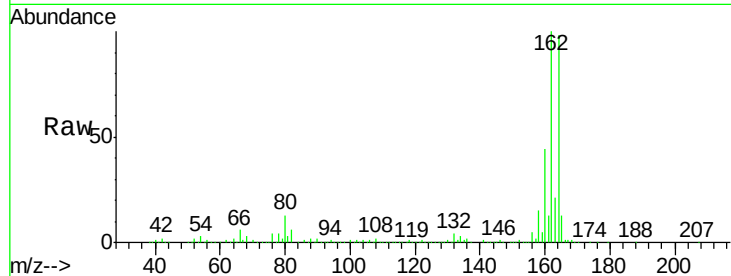
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.9	124.3
160	45.0	35.5	53.3

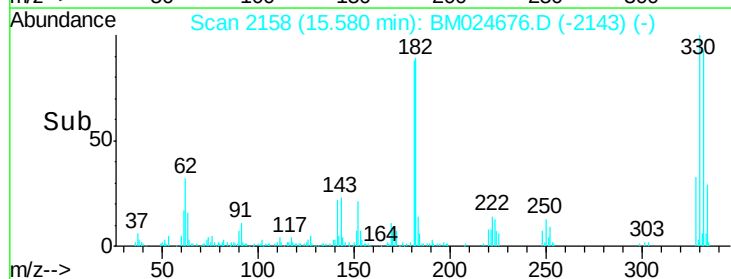
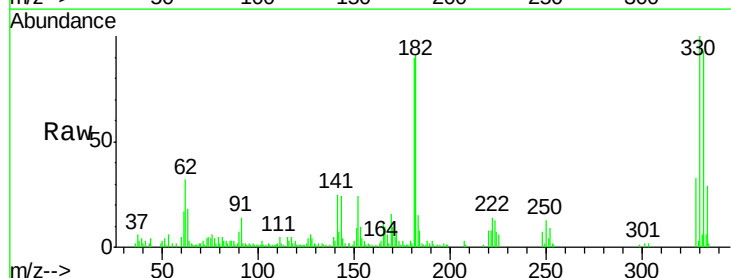
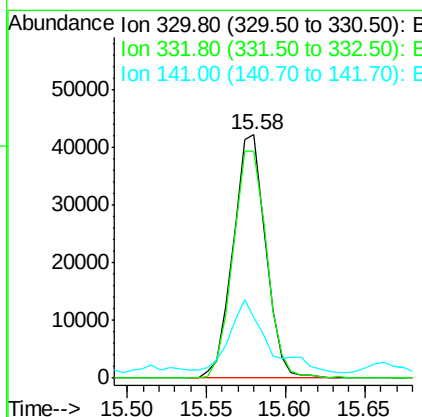
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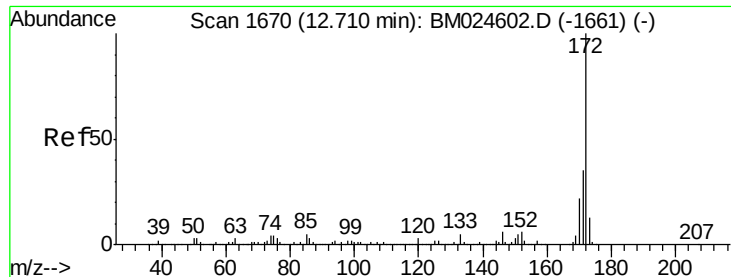
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#42
2,4,6-Tribromophenol
Concen: 6.492 ng
RT: 15.58 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.2	115.8
141	34.9	26.9	40.3





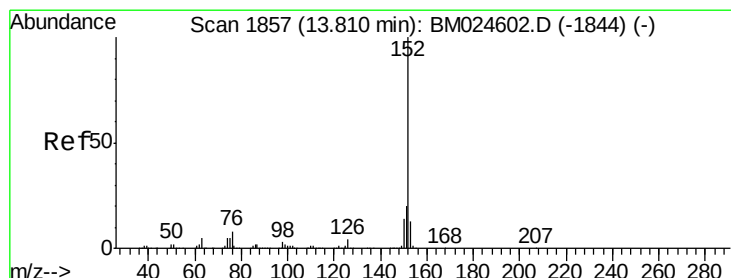
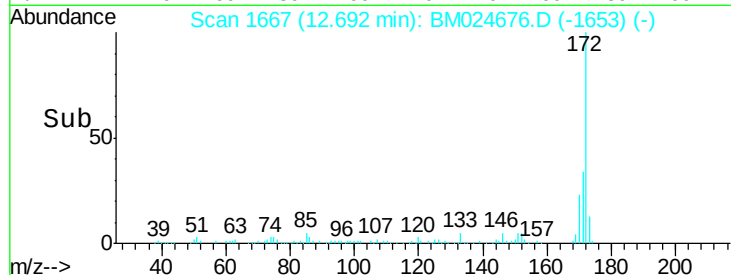
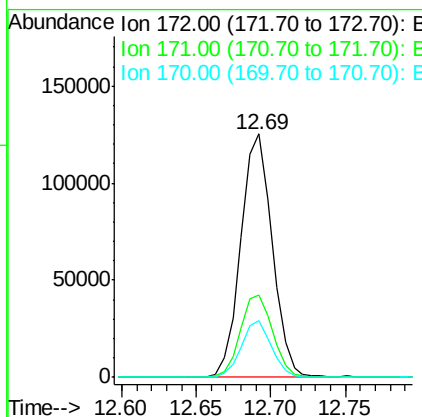
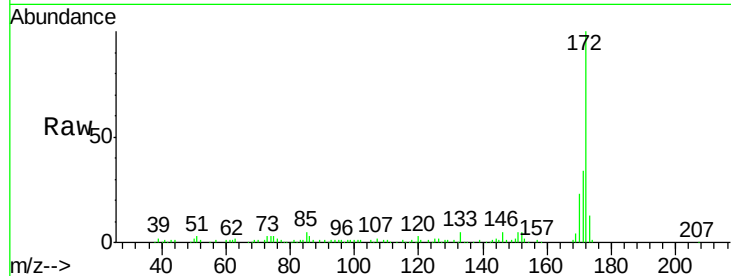
#45
2-Fluorobiphenyl
Concen: 4.372 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Instrument :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.3	42.5
170	23.4	17.9	26.9

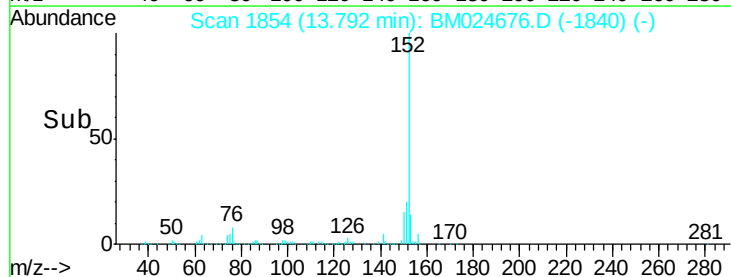
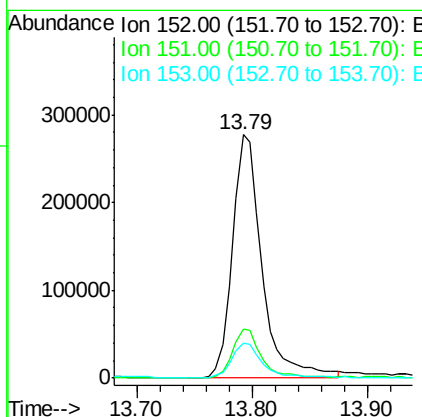
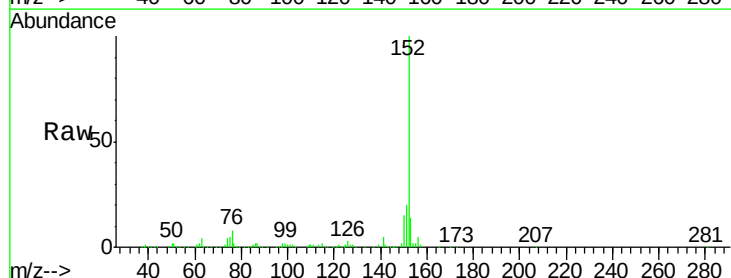
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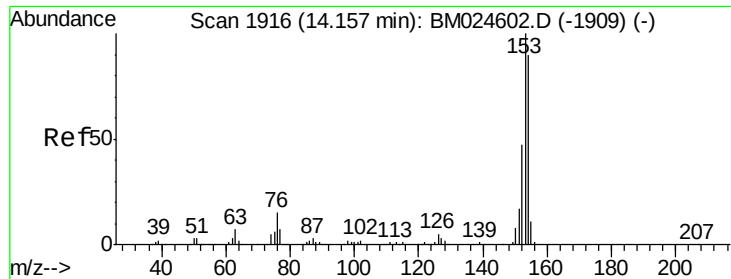
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#49
Acenaphthylene
Concen: 9.349 ng
RT: 13.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	14.5	10.4	15.6





#52

Acenaphthene

Concen: 4.684 ng

RT: 14.14 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

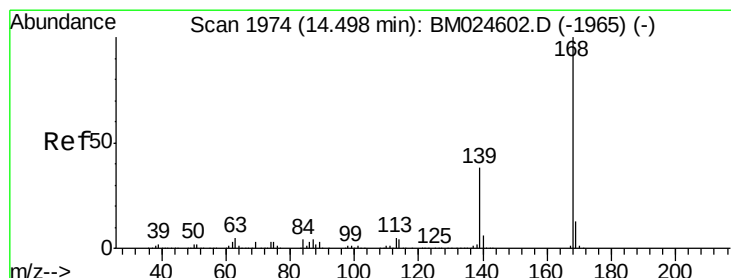
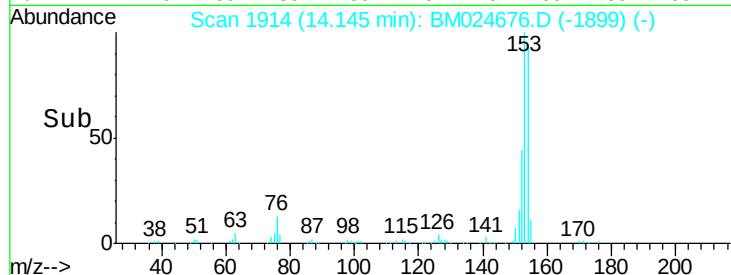
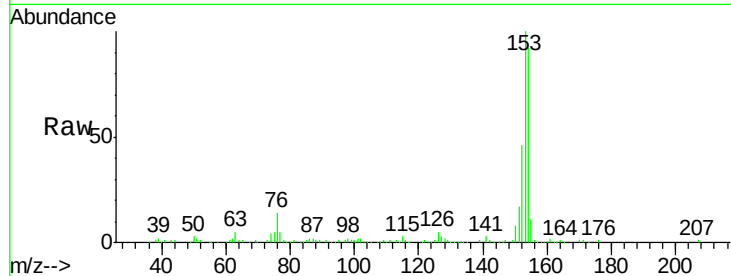
ClientSampleId :

BORING-B2-SAMPLE-S1DL

Tot Ion:	154	Resp:	151673
Ion Ratio	Lower	Upper	
154	100		
153	108.2	89.1	133.7
152	49.8	41.9	62.9

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#55

Dibenzofuran

Concen: 2.294 ng

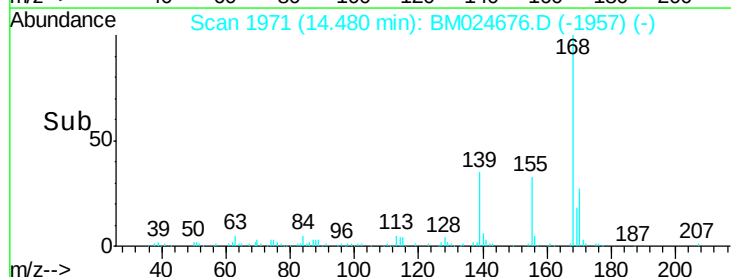
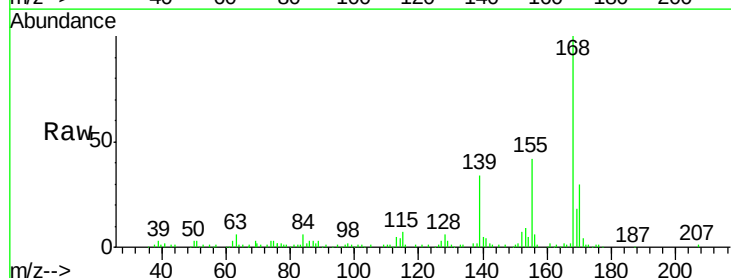
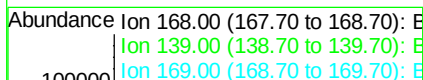
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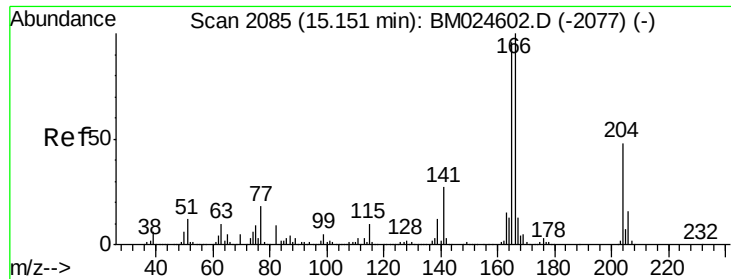
Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Tgt Ion:	168	Resp:	121146
Ion Ratio	Lower	Upper	
168	100		
139	34.1	30.2	45.4
169	18.0	10.7	16.1#





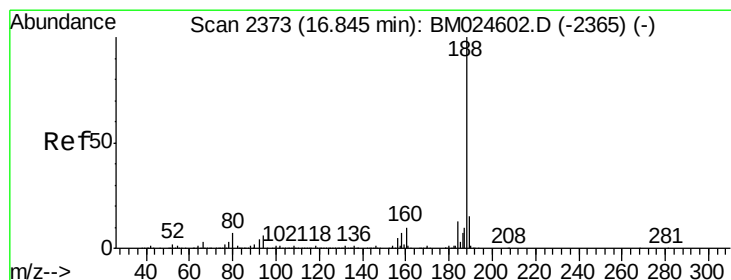
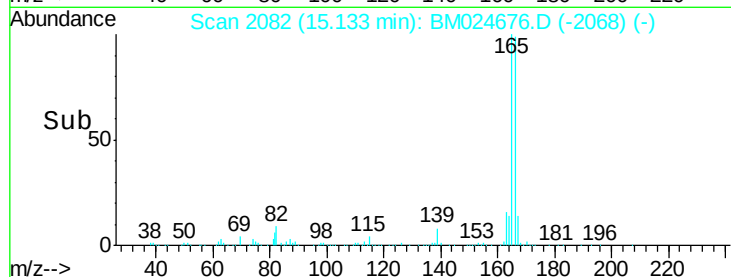
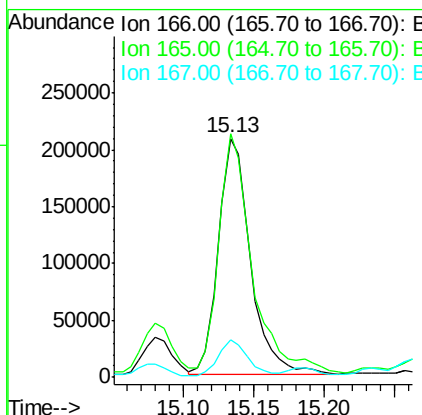
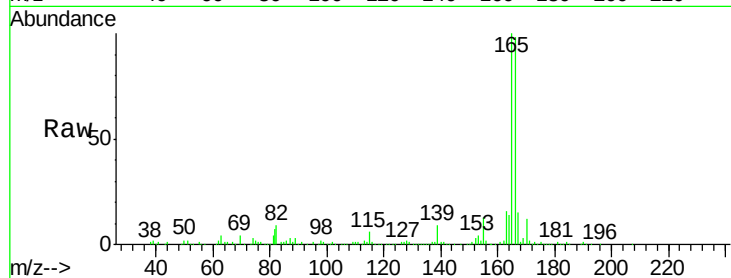
#58
 Fluorene
 Concen: 7.393 ng
 RT: 15.13 min Scan# 2082
 Delta R.T. -0.02 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Instrument :
 BNA_M
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 BORING-B2-SAMPLE-S1DL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	101.9	76.6	114.8	
167	15.6	10.8	16.2	

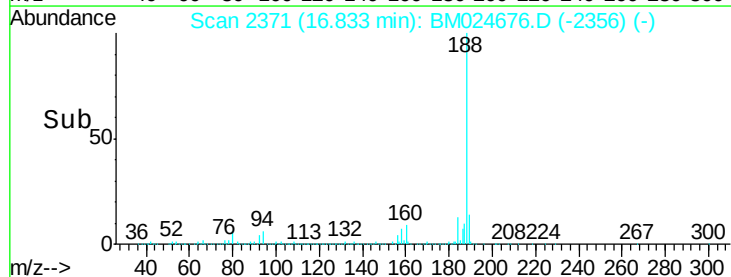
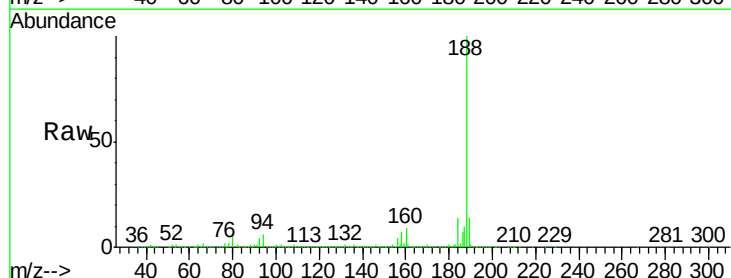
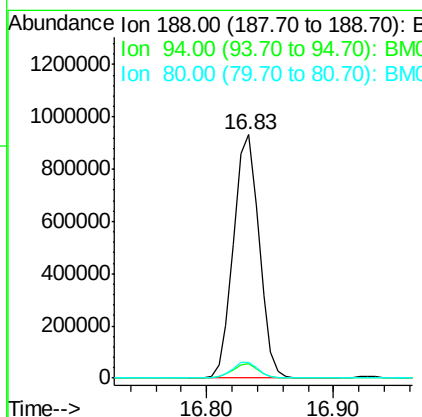
Manual Integrations
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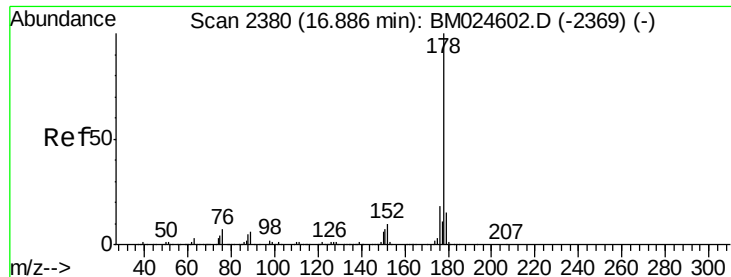
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.83 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.7	5.0	7.6	
80	6.4	5.8	8.8	





#71

Phenanthrene

Concen: 41.725 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

ClientSampleId :

BORING-B2-SAMPLE-S1DL

Tot Ion:178 Resp: 2937666

Ion Ratio Lower Upper

178 100

176 18.6 14.5 21.7

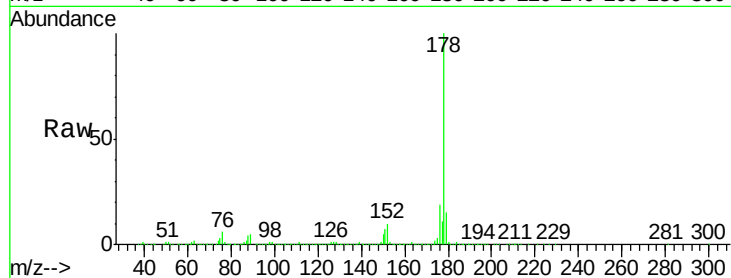
179 15.3 11.9 17.9

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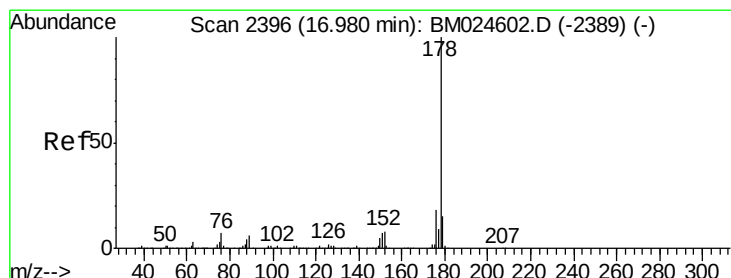
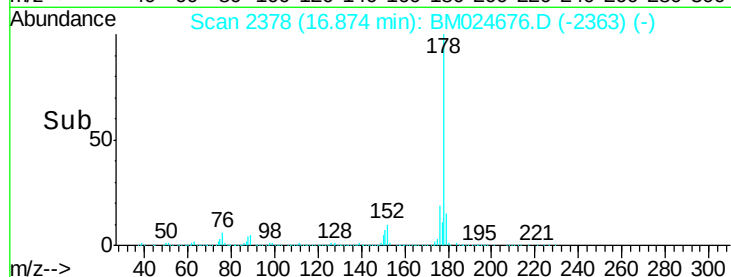
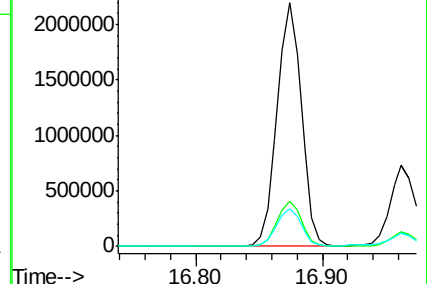
2/3/2020 7:56:03 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 14.510 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Tgt Ion:178 Resp: 999578

Ion Ratio Lower Upper

178 100

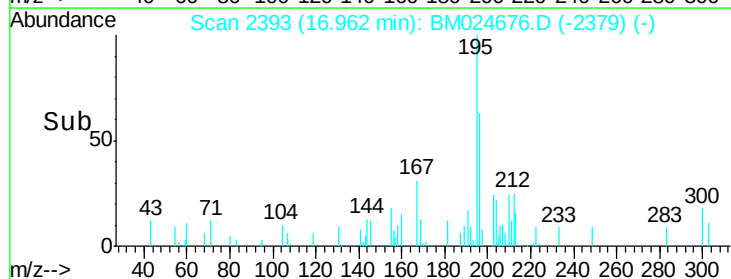
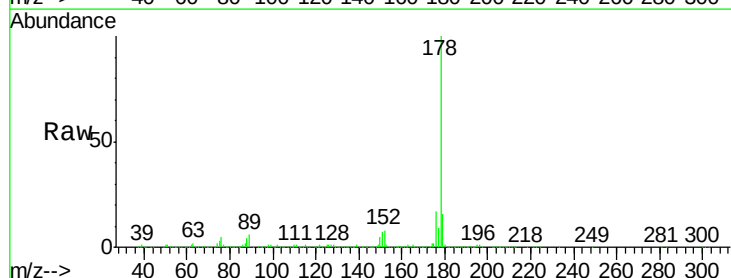
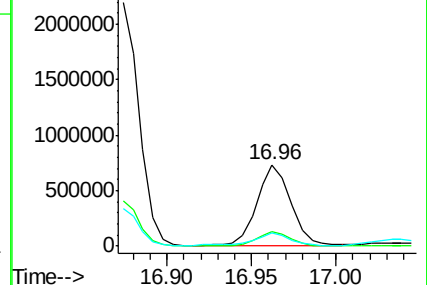
176 17.3 14.3 21.5

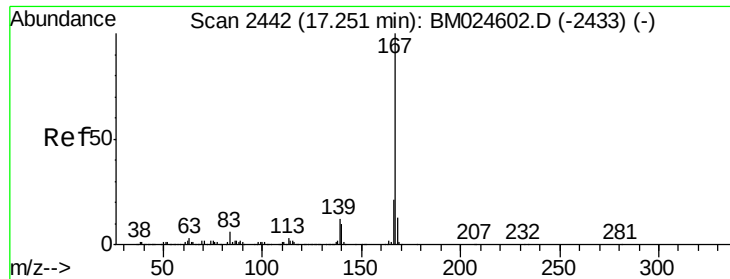
179 16.0 12.1 18.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





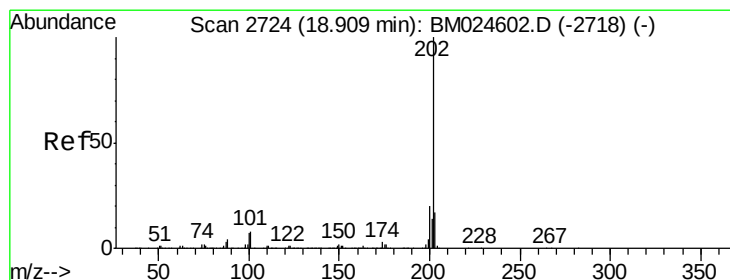
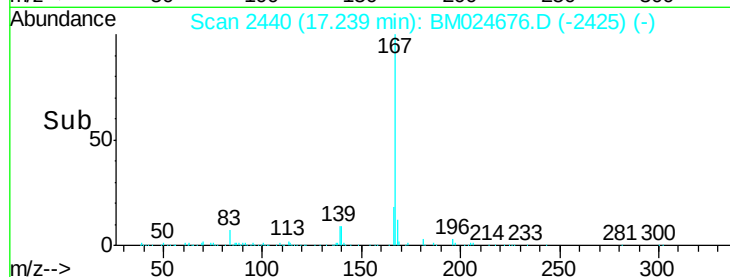
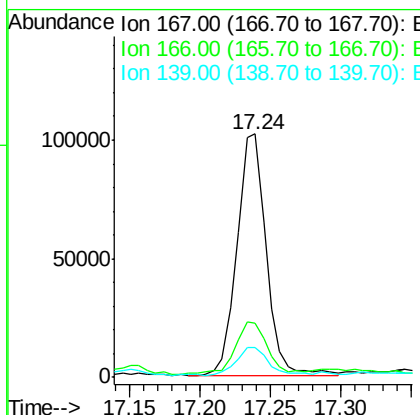
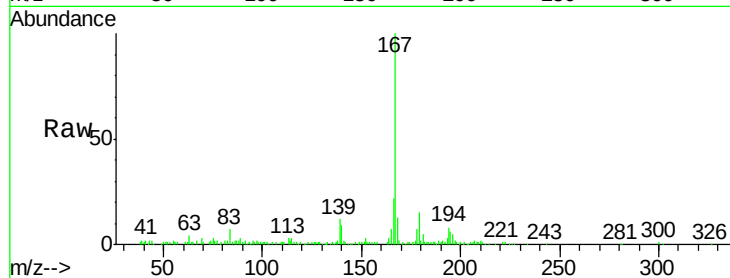
#73
 Carbazole
 Concen: 2.349 ng
 RT: 17.24 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Instrument :
 BNA_M
 ClientSampleId :
 BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	12.2	9.8	14.8

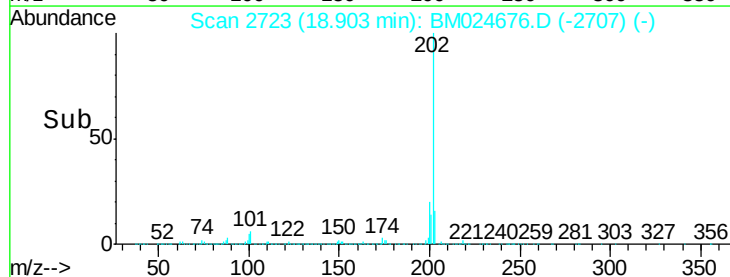
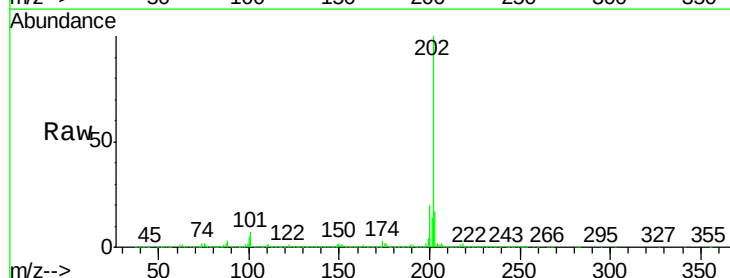
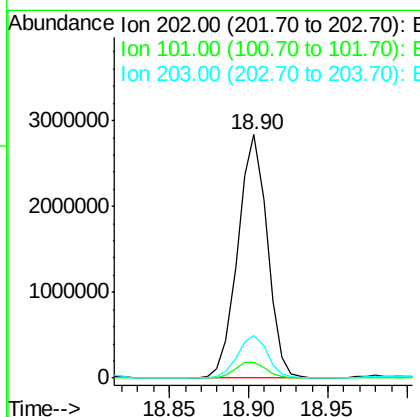
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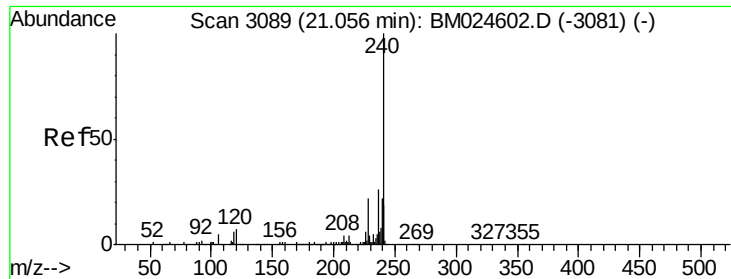
mohammad
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#75
 Fluoranthene
 Concen: 41.348 ng
 RT: 18.90 min Scan# 2723
 Delta R.T. -0.01 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.4
203	17.4	0.0	37.5





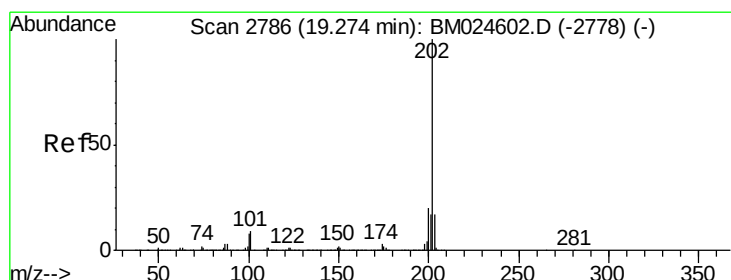
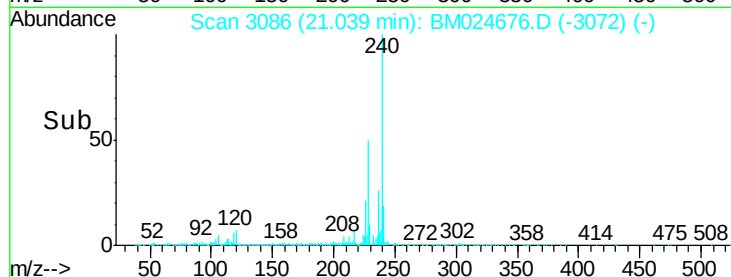
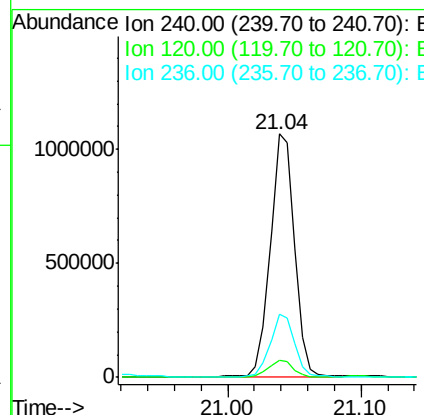
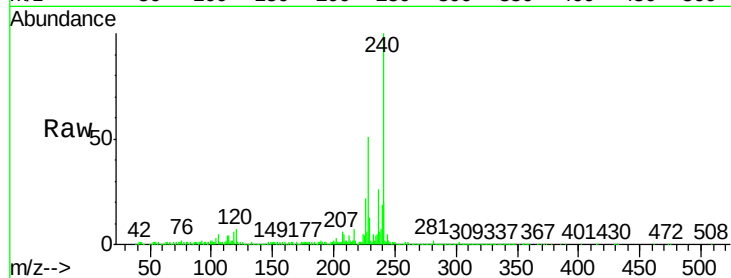
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.04 min Scan# 3086
 Delta R.T. -0.02 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Instrument :
 BNA_M
 ClientSampleId :
 BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.3	7.9
236	26.2	20.6	31.0

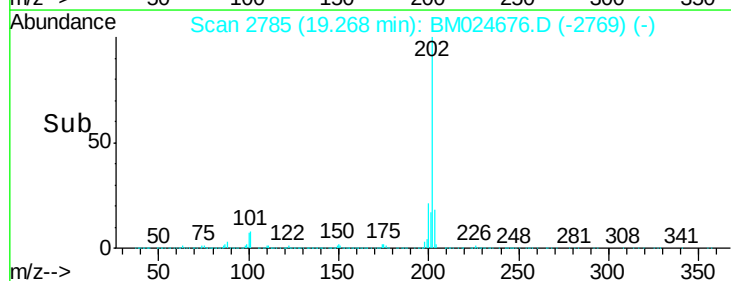
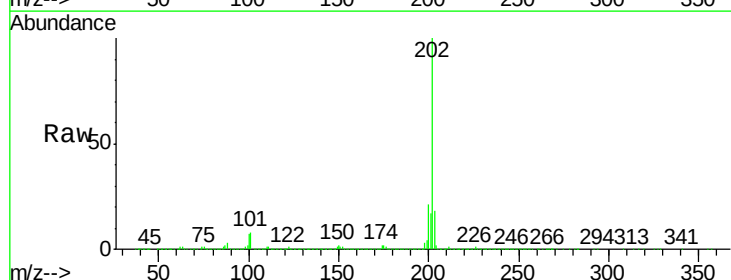
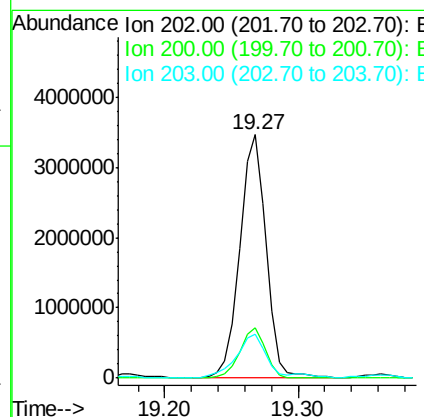
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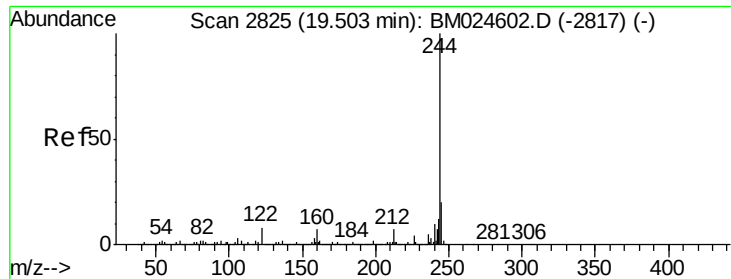
mohammad
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#78
 Pyrene
 Concen: 53.255 ng
 RT: 19.27 min Scan# 2785
 Delta R.T. -0.01 min
 Lab File: BM024676.D
 Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	17.9	14.0	21.0





#79

Terphenyl-d14

Concen: 4.967 ng

RT: 19.49 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

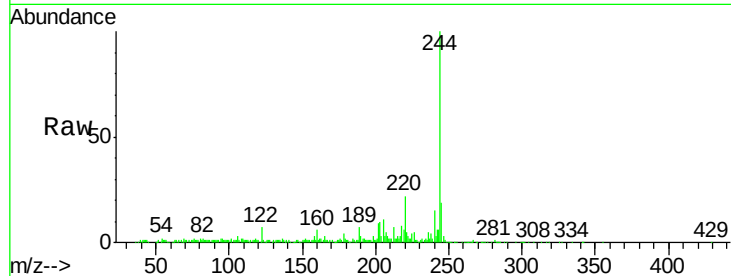
ClientSampleId :

BORING-B2-SAMPLE-S1DL

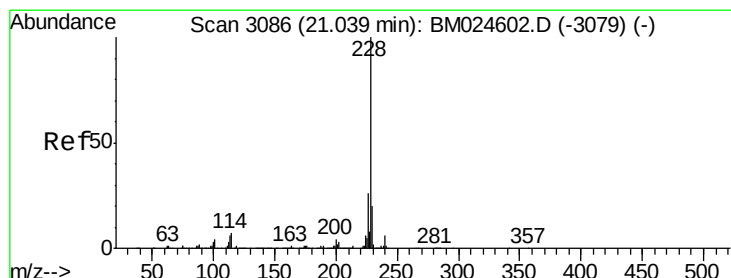
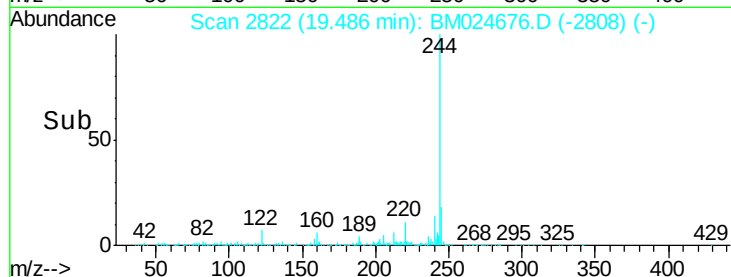
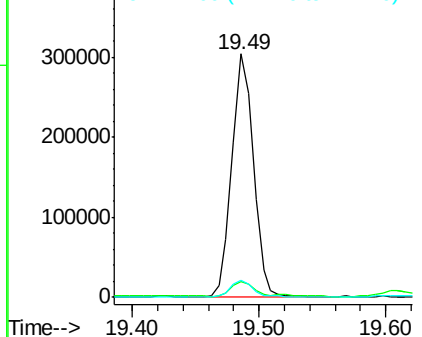
Tot Ion:	244	Resp:	357058
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	6.8	6.2	9.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 23.333 ng

RT: 21.03 min Scan# 3084

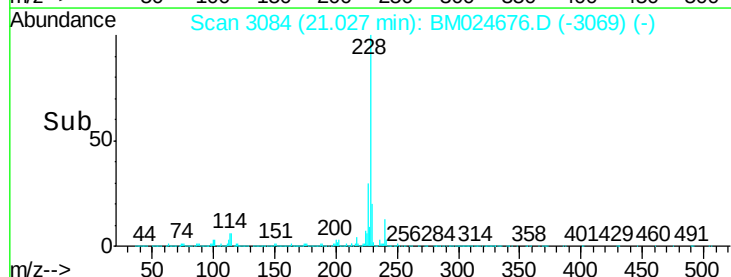
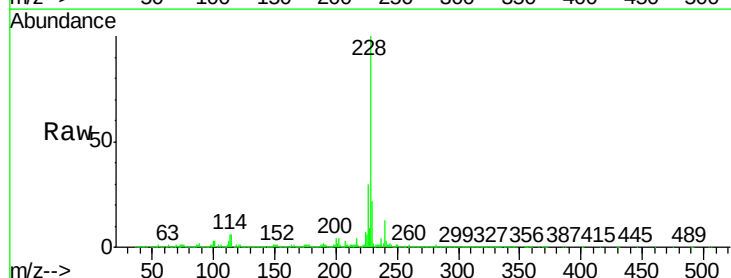
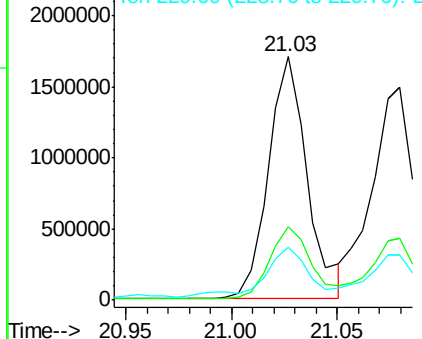
Delta R.T. -0.01 min

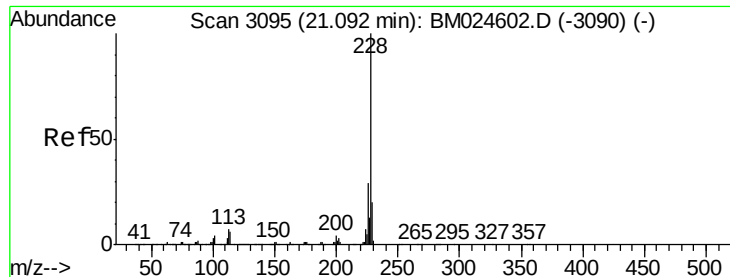
Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Tgt Ion:	228	Resp:	2173155
Ion Ratio	Lower	Upper	
228	100		
226	30.4	21.1	31.7
229	21.6	15.8	23.6

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





#83

Chrysene

Concen: 22.990 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

Instrument :

BNA_M

ClientSampleId :

BORING-B2-SAMPLE-S1DL

Tot Ion:228 Resp: 2043188

Ion Ratio Lower Upper

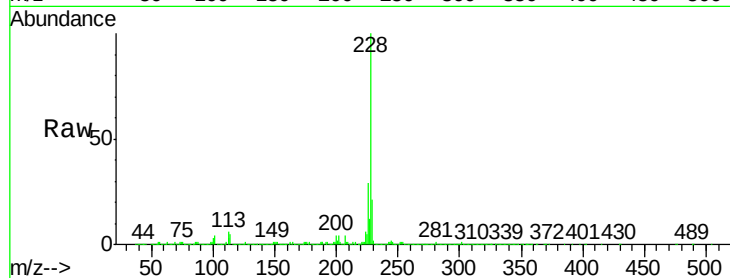
228 100

226 29.1 23.2 34.8

229 21.4 15.7 23.5

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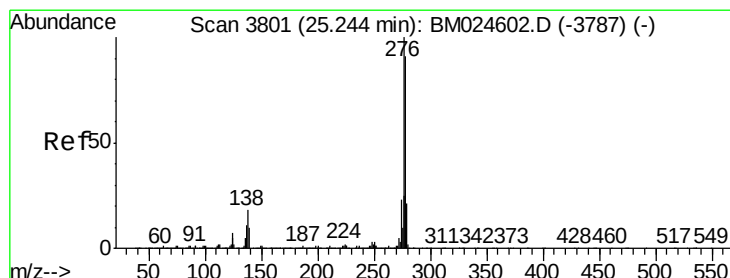
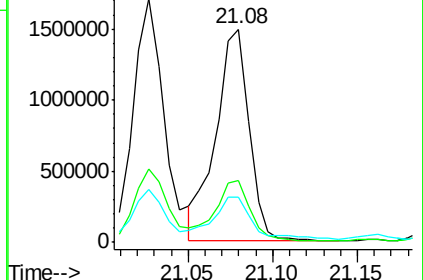
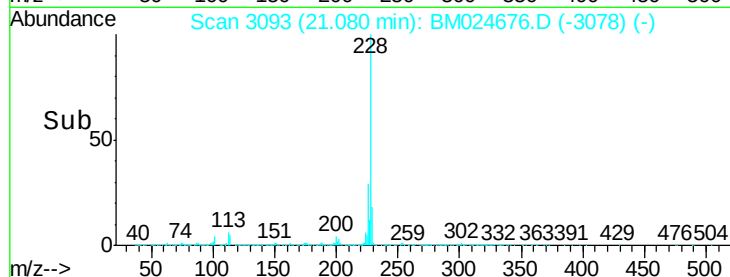
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.057 ng

RT: 25.21 min Scan# 3796

Delta R.T. -0.03 min

Lab File: BM024676.D

Acq: 31 Jan 2020 01:42

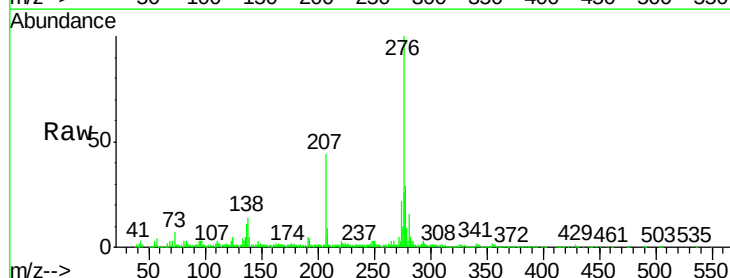
Tgt Ion:276 Resp: 780460

Ion Ratio Lower Upper

276 100

138 13.8 13.4 20.0

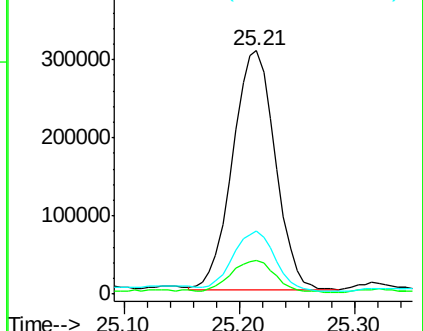
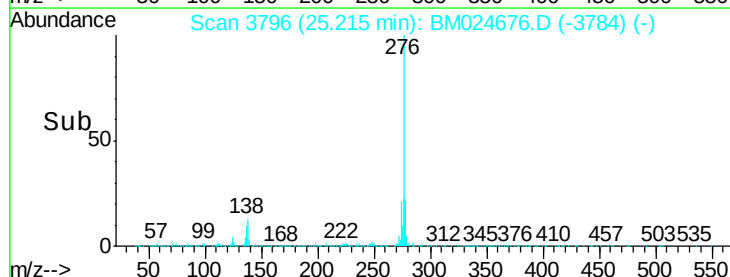
277 25.2 19.6 29.4

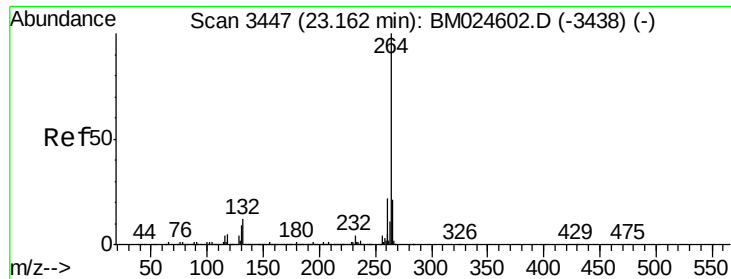


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

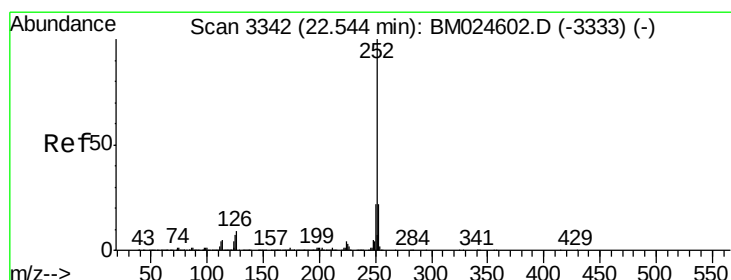
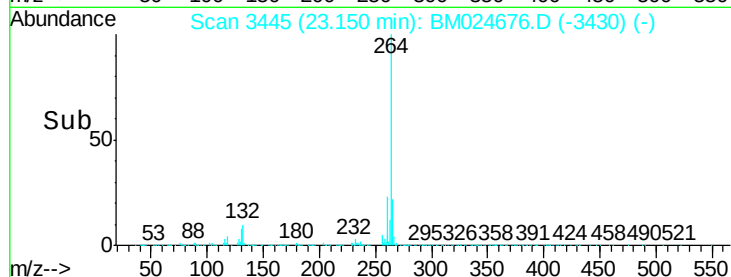
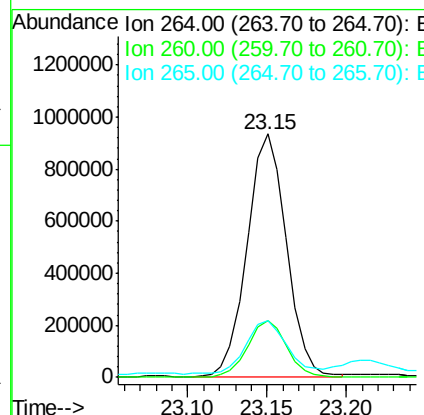
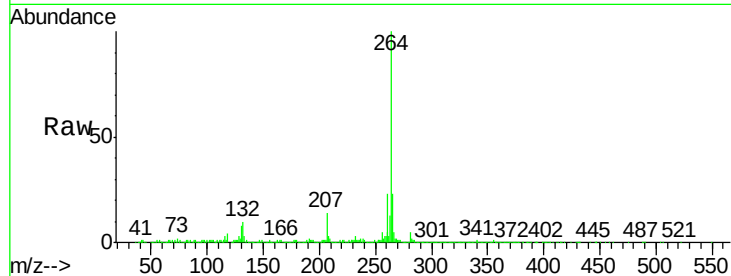
Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

Tot Ion:264 Resp: 1608662

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	23.1	17.3	25.9

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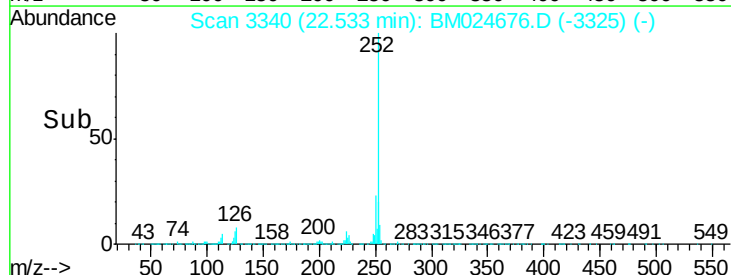
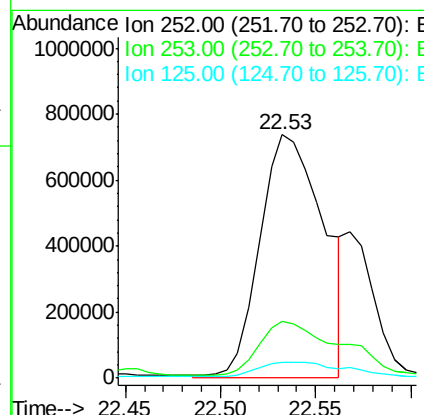
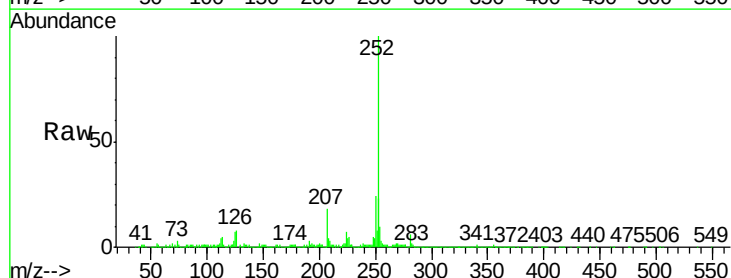
mohammad
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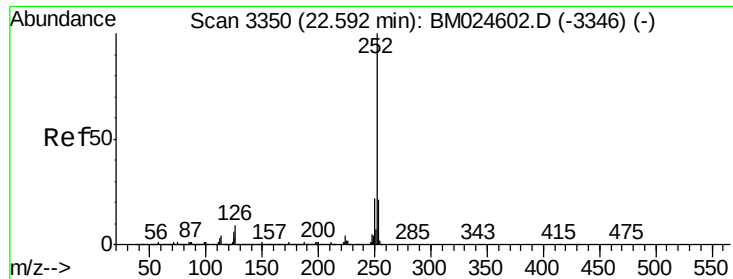


#88
Benzo(b)fluoranthene
Concen: 16.530 ng m
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion:252 Resp: 1724672

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	6.7	5.7	8.5





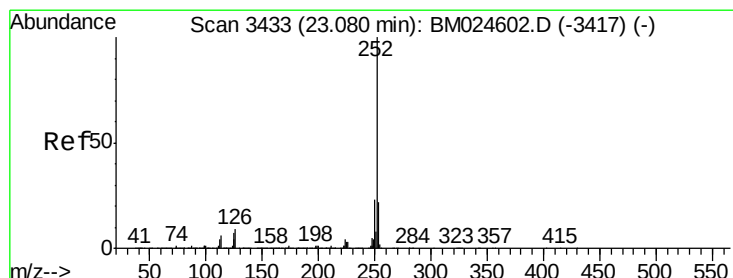
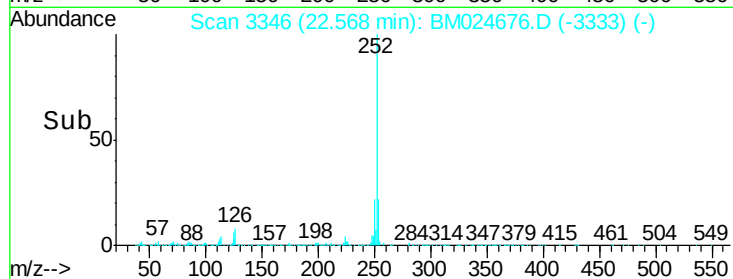
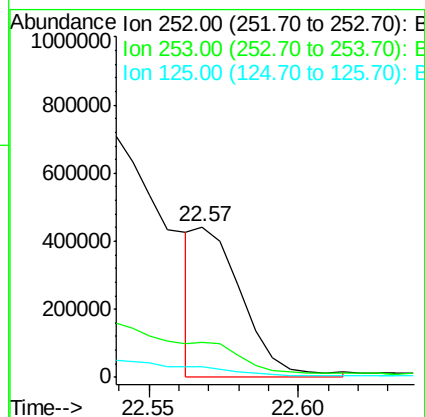
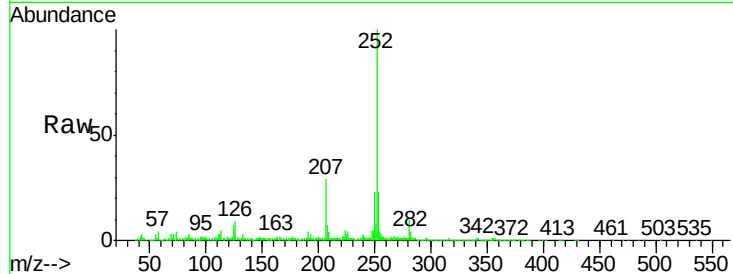
#89
Benzo(k)fluoranthene
Concen: 4.778 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	7.4	5.2	7.8

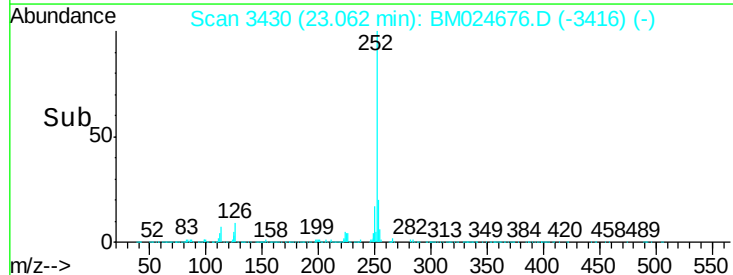
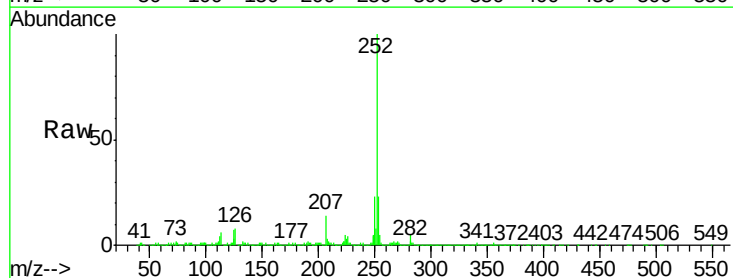
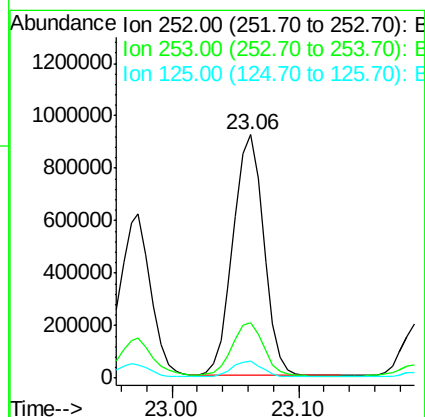
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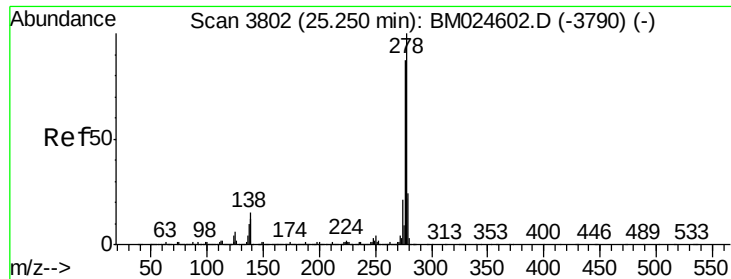
mohammad
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#90
Benzo(a)pyrene
Concen: 16.373 ng
RT: 23.06 min Scan# 3430
Delta R.T. -0.02 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	6.8	5.8	8.8





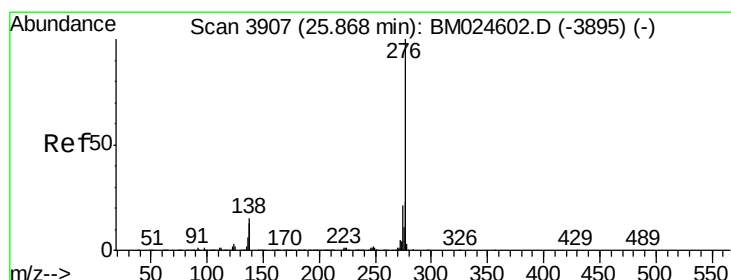
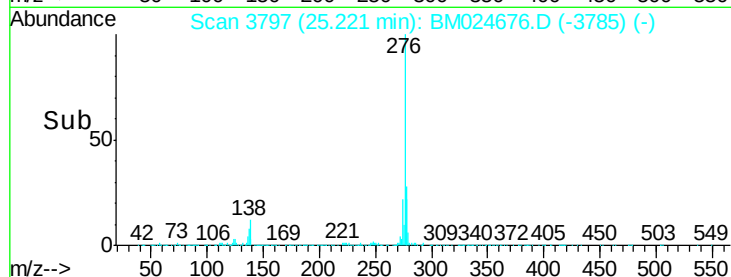
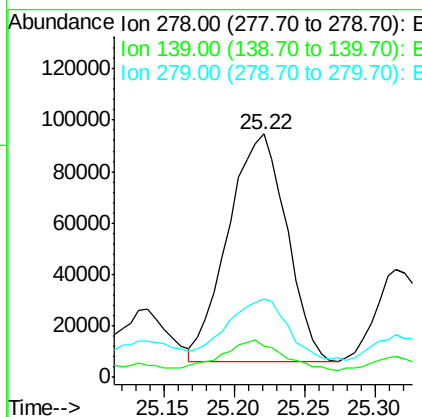
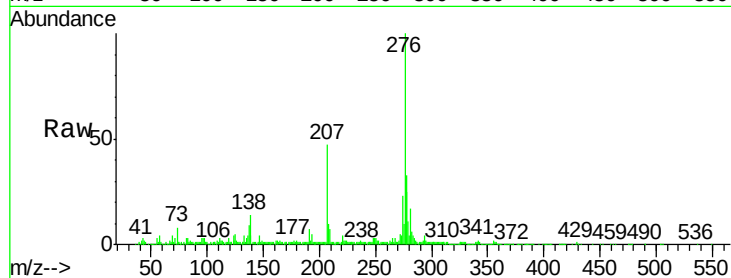
#91
Dibenzo(a,h)anthracene
Concen: 2.846 ng
RT: 25.22 min Scan# 3797
Delta R.T. -0.03 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Instrument :
BNA_M
ClientSampleId :
BORING-B2-SAMPLE-S1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.8	9.3	13.9
279	32.0	18.9	28.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 10.861 ng
RT: 25.84 min Scan# 3902
Delta R.T. -0.03 min
Lab File: BM024676.D
Acq: 31 Jan 2020 01:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	14.3	11.9	17.9

