

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
 Data File : BM026354.D
 Acq On : 11 Jun 2020 13:56
 Operator : JU/CG
 Sample : L2810-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Manual Integrations
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mohammad
 6/15/2020 8:43:22 AM

Quant Time: Jun 11 15:33:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 14:46:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	155976	20.00	ng	0.00
21) Naphthalene-d8	10.18	136	611053	20.00	ng	0.00
39) Acenaphthene-d10	14.07	164	349061	20.00	ng	0.00
64) Phenanthrene-d10	16.83	188	721420	20.00	ng	0.00
76) Chrysene-d12	21.04	240	788151	20.00	ng	0.00
86) Perylene-d12	23.14	264	878125	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	299891	33.99	ng	0.00
7) Phenol-d6	6.63	99	392654	30.74	ng	0.00
23) Nitrobenzene-d5	8.56	82	262837	21.12	ng	-0.01
42) 2,4,6-Tribromophenol	15.57	330	137059	32.41	ng	-0.01
45) 2-Fluorobiphenyl	12.68	172	533285	23.19	ng	-0.01
79) Terphenyl-d14	19.48	244	820770	20.22	ng	-0.01
Target Compounds						
49) Acenaphthylene	13.79	152	149044	4.688	ng	99
50) Dimethylphthalate	13.55	163	76807	3.008	ng	98
52) Acenaphthene	14.14	154	95262	4.991	ng	99
55) Dibenzofuran	14.47	168	101120	3.288	ng	99
58) Fluorene	15.13	166	212053	8.489	ng	98
71) Phenanthrene	16.87	178	2636544	70.180	ng	99
72) Anthracene	16.96	178	840179	22.408	ng	100
73) Carbazole	17.24	167	95010	2.672	ng	99
75) Fluoranthene	18.90	202	4450266	103.323	ng	99
78) Pyrene	19.27	202	3830569	73.558	ng	100
81) Benzo(a)anthracene	21.03	228	2247765	47.513	ng	97
83) Chrysene	21.07	228	1791379	39.735	ng	97
87) Indeno(1,2,3-cd)pyrene	25.21	276	1313412	25.856	ng	95
88) Benzo(b)fluoranthene	22.53	252	2574854	48.744	ng	97
89) Benzo(k)fluoranthene	22.57	252	916540m	17.859	ng	
90) Benzo(a)pyrene	23.06	252	2039471	43.470	ng	97
91) Dibenzo(a,h)anthracene	25.20	278	334130	7.879	ng	# 78
92) Benzo(g,h,i)perylene	25.83	276	1282140	31.772	ng	99

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

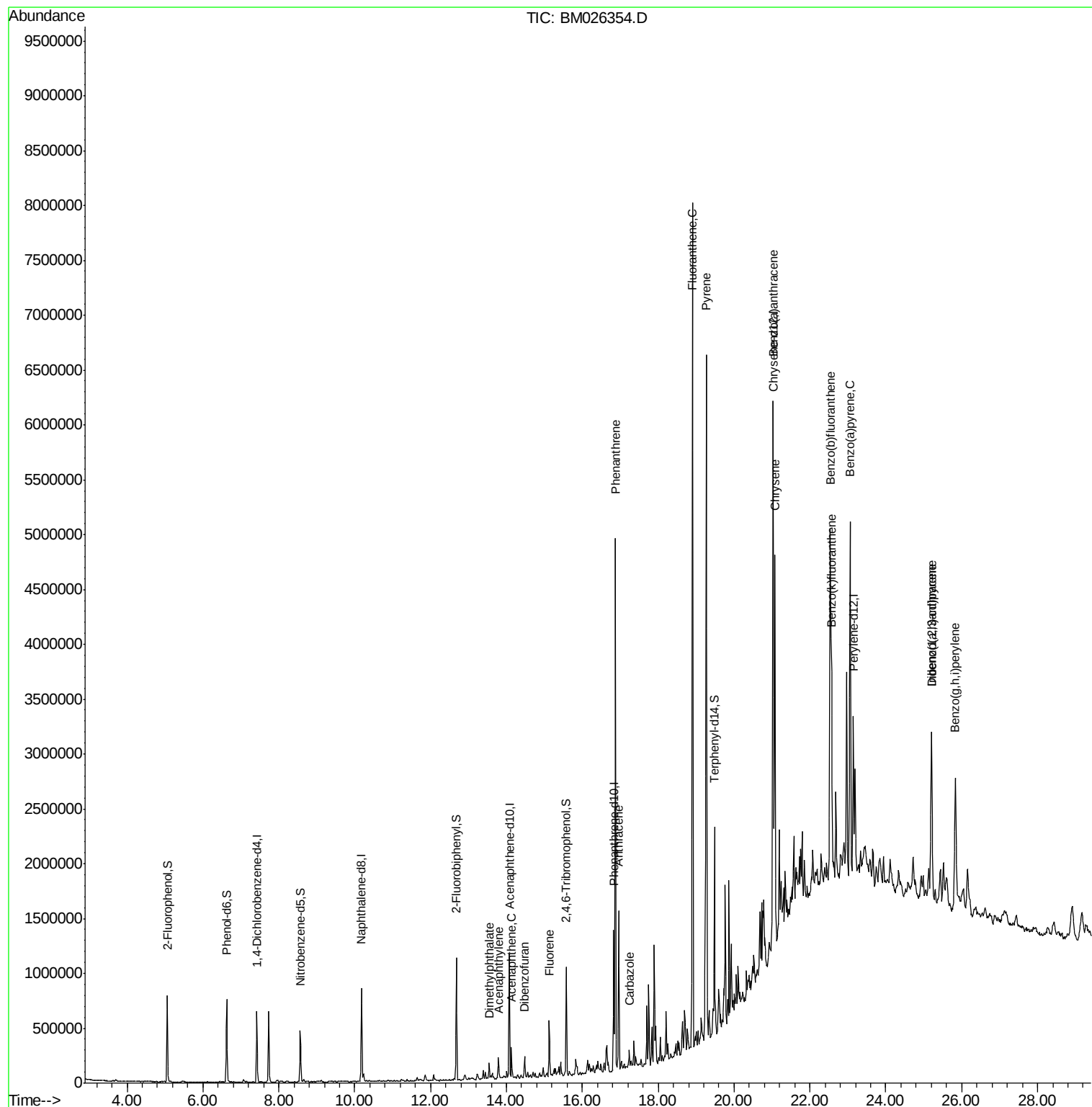
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061120\
Data File : BM026354.D
Acq On : 11 Jun 2020 13:56
Operator : JU/CG
Sample : L2810-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

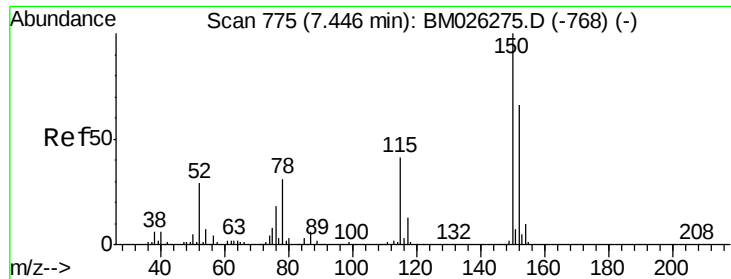
Instrument :
BNA_M
ClientSampleId :
CL-02-060920

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Quant Time: Jun 11 15:33:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 14:46:47 2020
Response via : Initial Calibration





#1

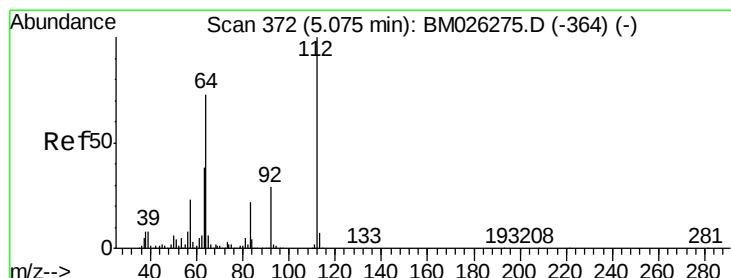
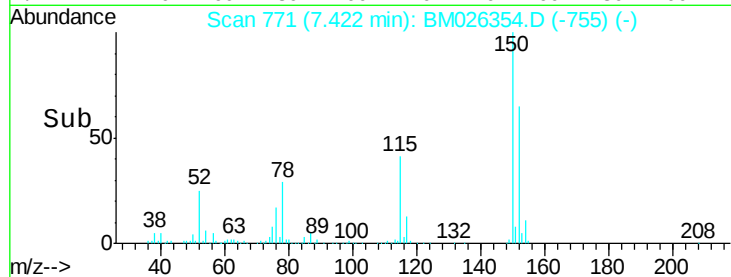
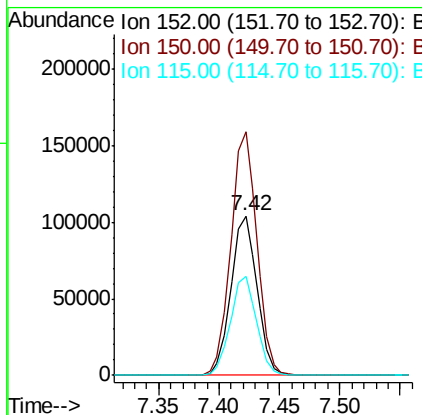
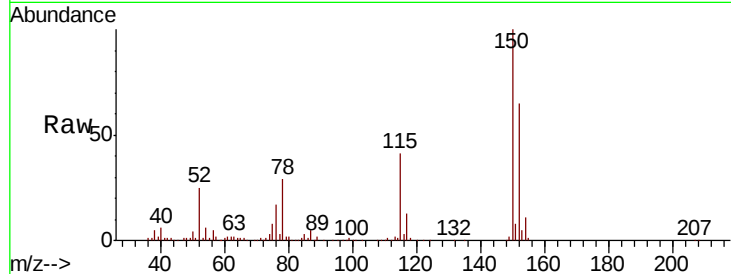
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.1	183.1
115	62.0	49.7	74.5

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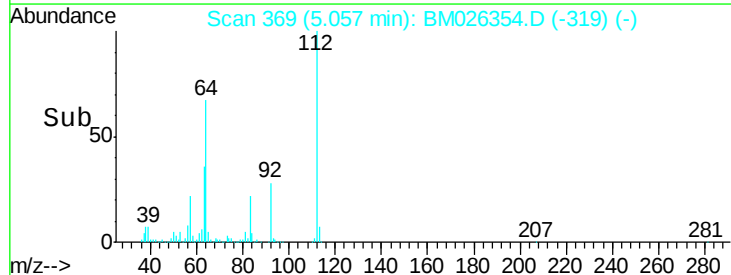
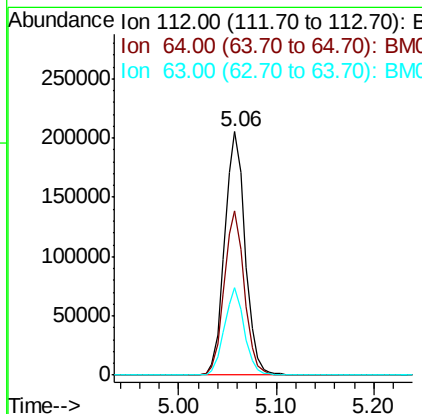
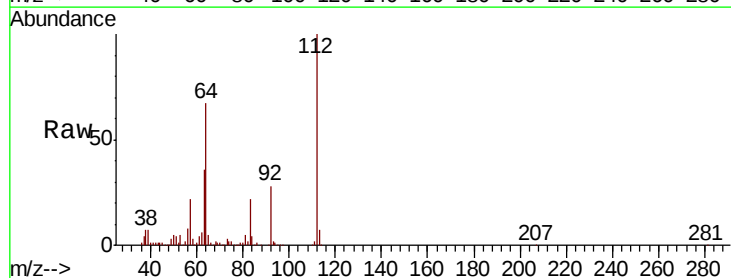
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#5

2-Fluorophenol
Concen: 33.994 ng
RT: 5.06 min Scan# 369
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	58.1	87.1
63	35.9	30.6	45.8





#7

Phenol-d6

Concen: 30.737 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

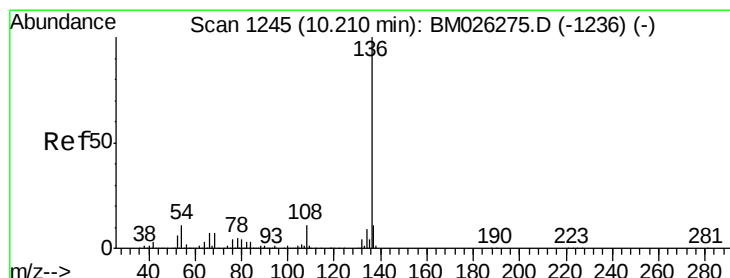
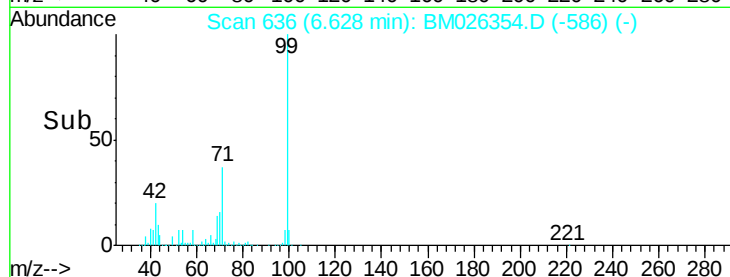
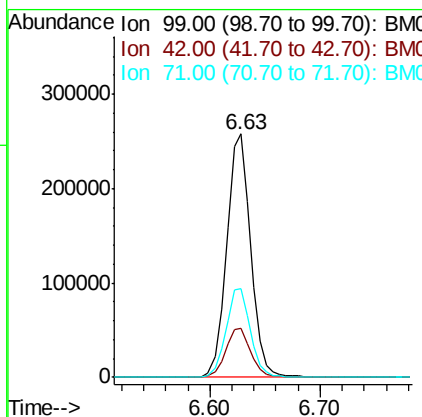
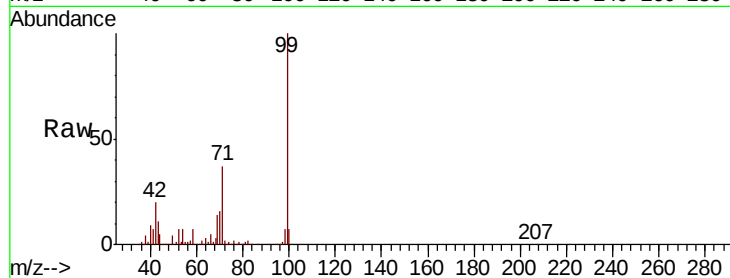
ClientSampleId :

CL-02-060920

Tot Ion:	99	Resp:	392654
Ion Ratio	Lower	Upper	
99	100		
42	20.0	18.0	27.0
71	36.6	30.6	45.8

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#21

Naphthalene-d8

Concen: 20.000 ng

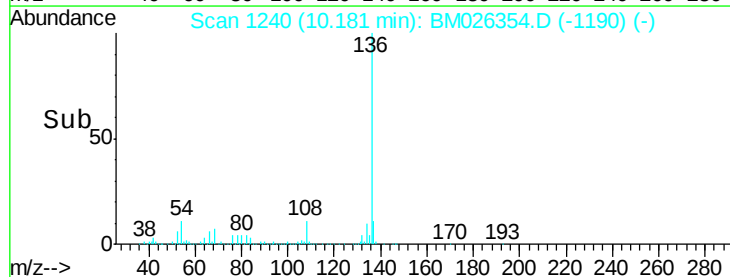
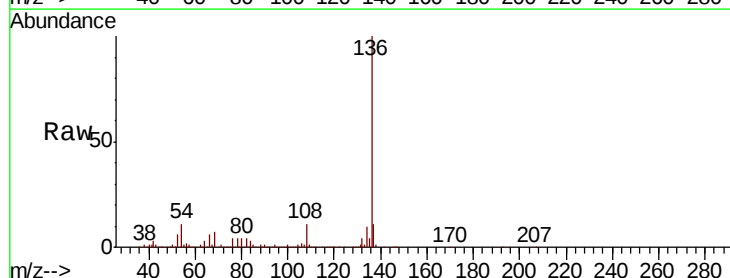
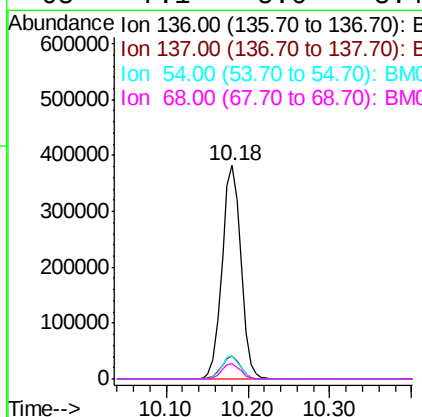
RT: 10.18 min Scan# 1240

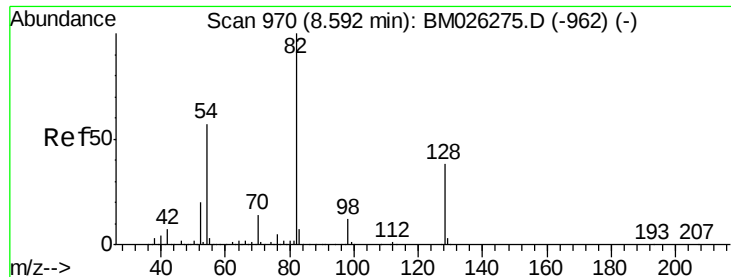
Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Tgt Ion:	136	Resp:	611053
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	10.5	9.0	13.4
68	7.1	5.6	8.4





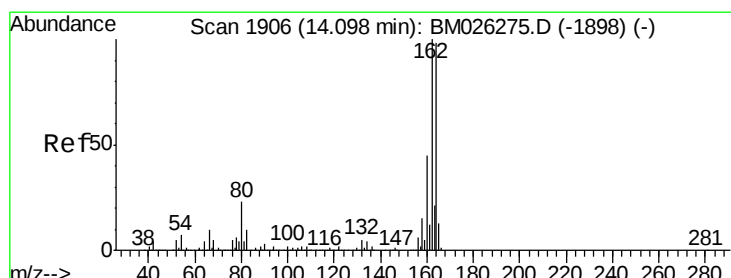
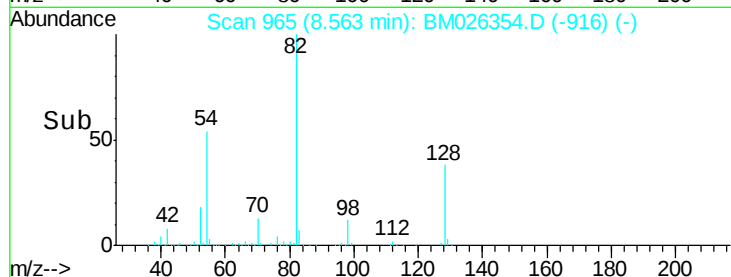
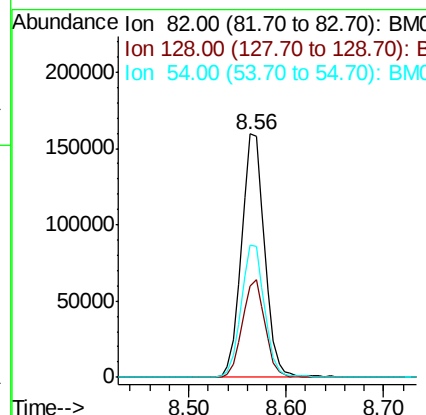
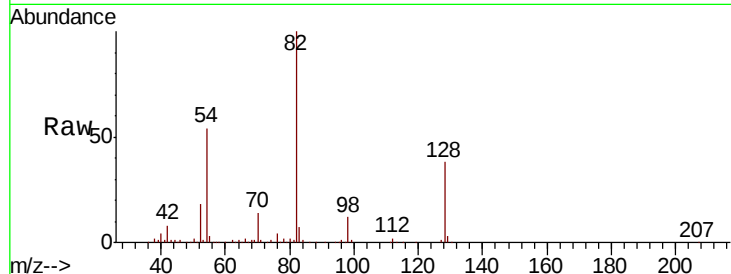
#23
Nitrobenzene-d5
Concen: 21.120 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Resp	Lower	Upper
82	100	262837		
128	37.6		30.3	45.5
54	54.3		45.4	68.2

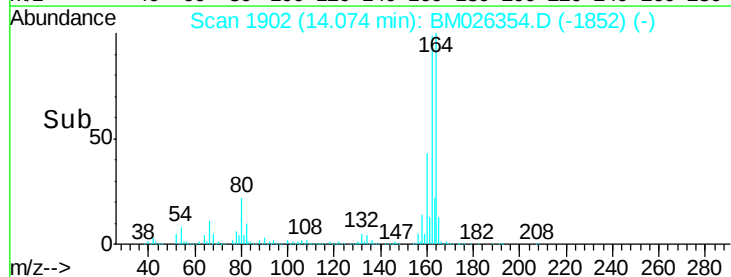
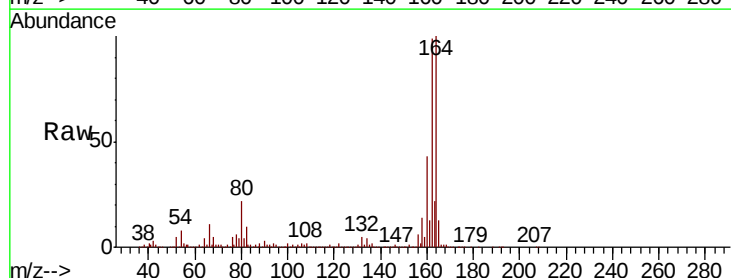
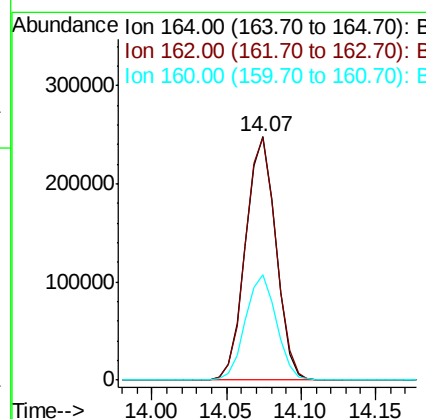
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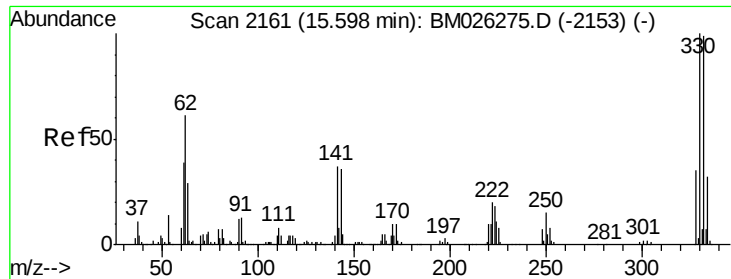
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	349061		
162	99.4		81.4	122.2
160	43.5		36.4	54.6





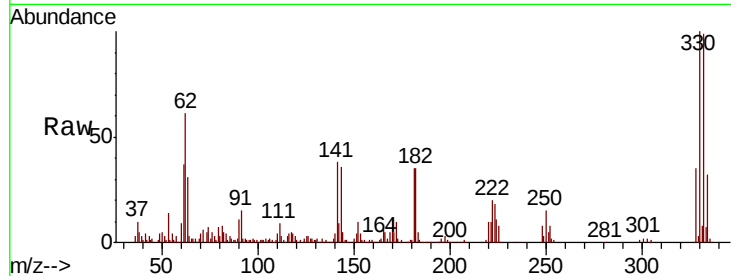
#42
 2,4,6-Tribromophenol
 Concen: 32.414 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Tot Ion	Ratio	Resp	Lower	Upper
330	100	137059		
332	97.1		78.1	117.1
141	36.3		30.0	45.0

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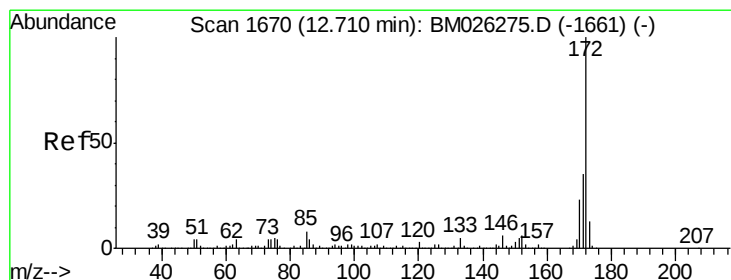
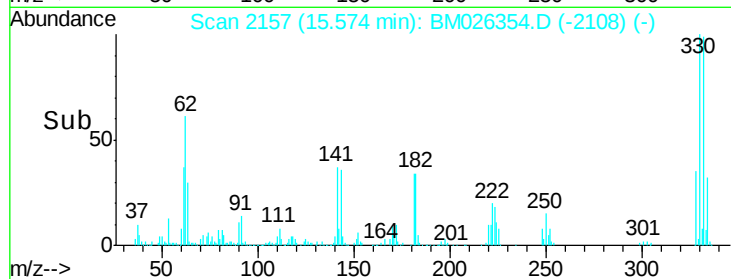
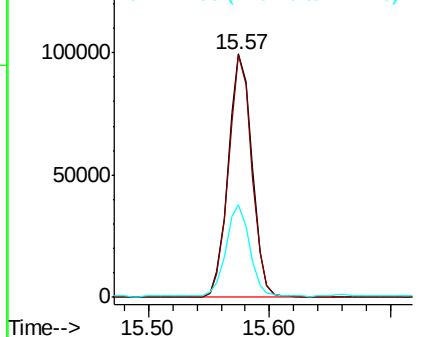


Abundance

Ion 329.80 (329.50 to 330.50): E

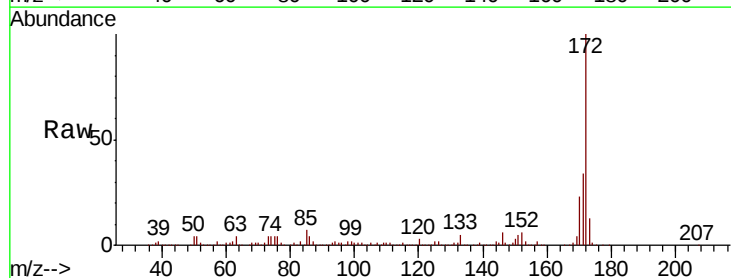
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 23.191 ng
 RT: 12.68 min Scan# 1665
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	533285		
171	34.2		28.2	42.2
170	22.9		18.3	27.5

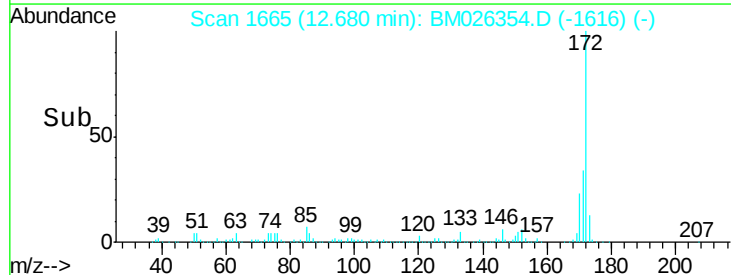
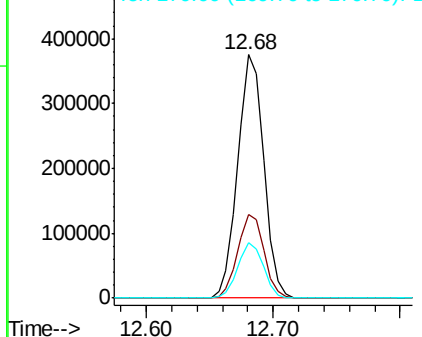


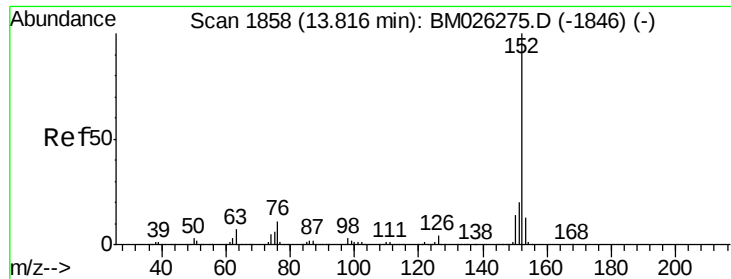
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 4.688 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

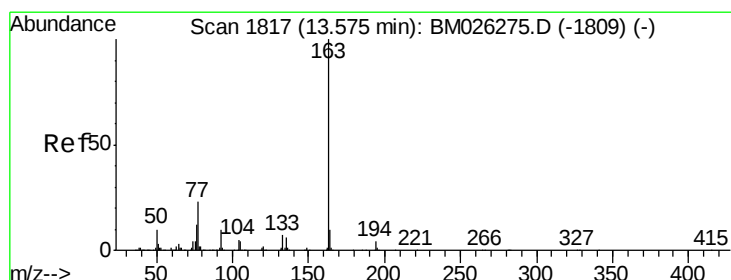
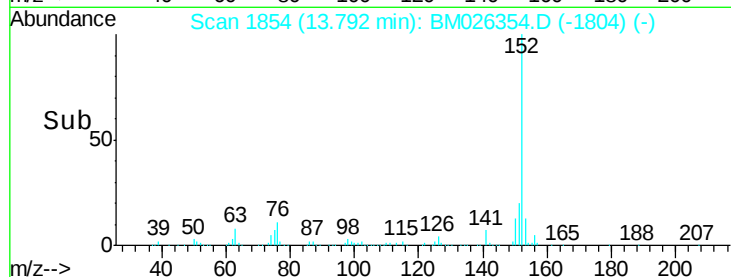
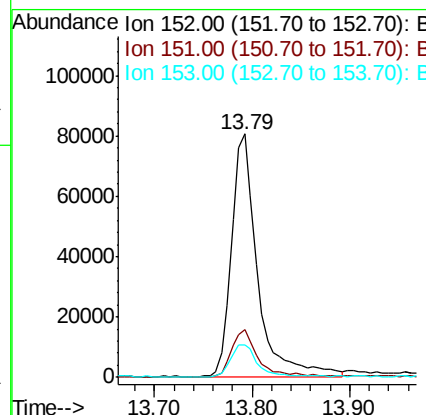
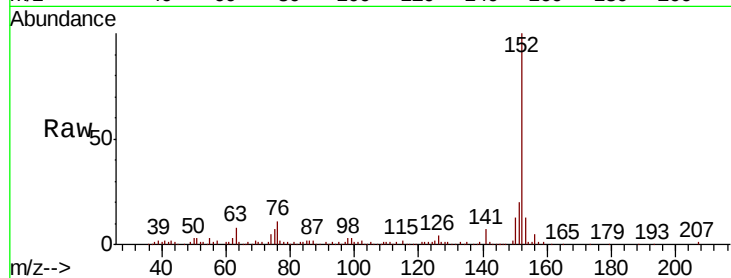
ClientSampleId :

CL-02-060920

Tot Ion:	152	Resp:	149044
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.7	23.5
153	13.2	10.2	15.4

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#50

Dimethylphthalate

Concen: 3.008 ng

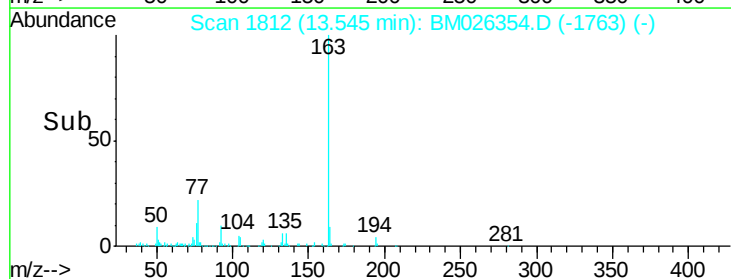
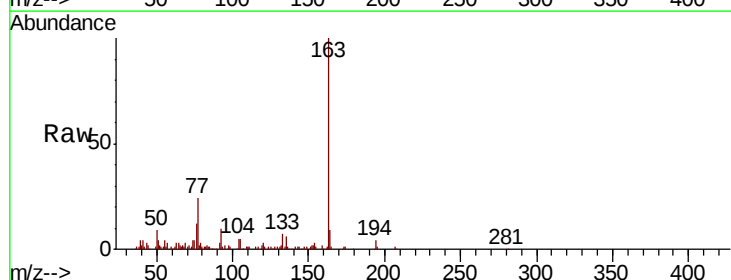
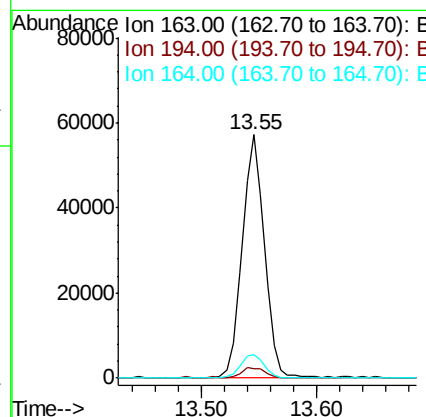
RT: 13.55 min Scan# 1812

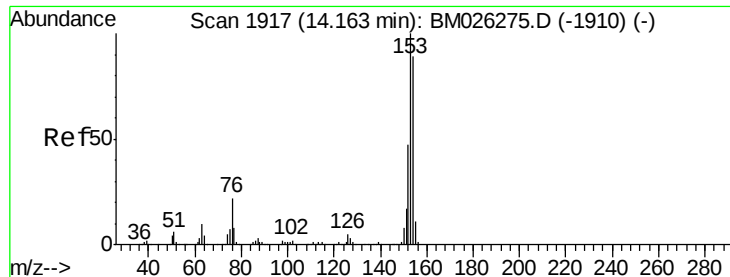
Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Tgt Ion:	163	Resp:	76807
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.2
164	9.4	8.0	12.0





#52

Acenaphthene

Concen: 4.991 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

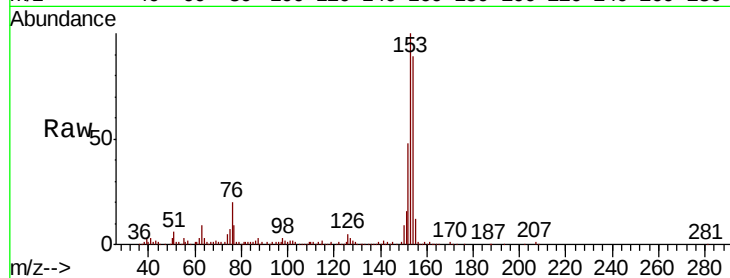
ClientSampleId :

CL-02-060920

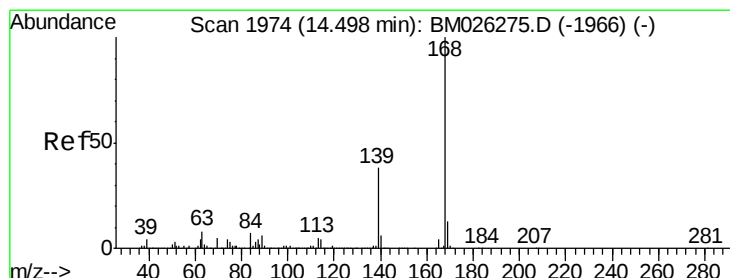
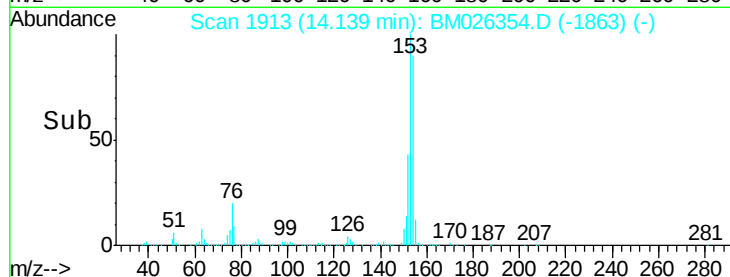
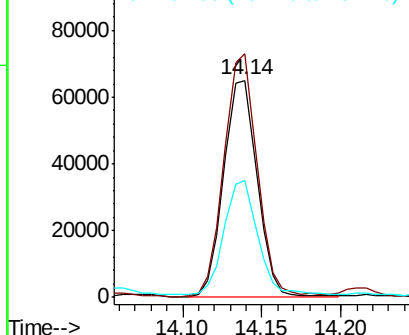
Tot Ion:	154	Resp:	95262
Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.6	134.4
152	54.1	42.1	63.1

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



#55

Dibenzofuran

Concen: 3.288 ng

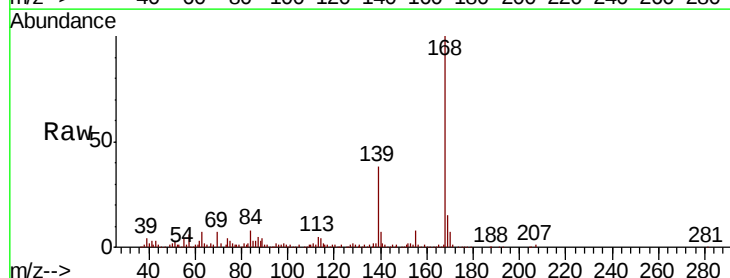
RT: 14.47 min Scan# 1970

Delta R.T. -0.01 min

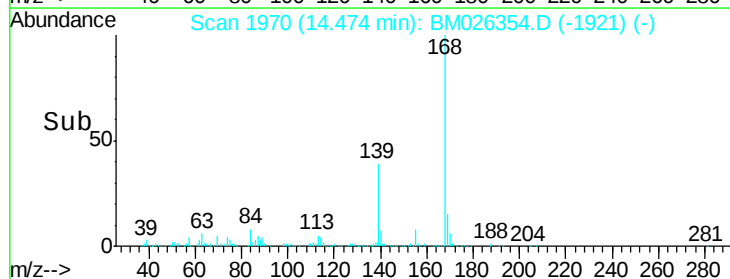
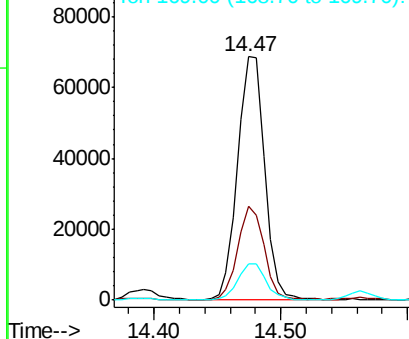
Lab File: BM026354.D

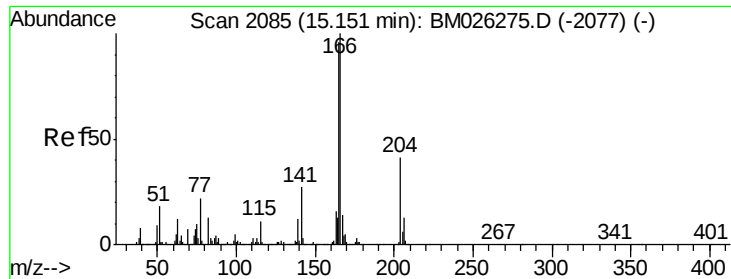
Acq: 11 Jun 2020 13:56

Tgt Ion:	168	Resp:	101120
Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.7	46.1
169	15.0	10.5	15.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





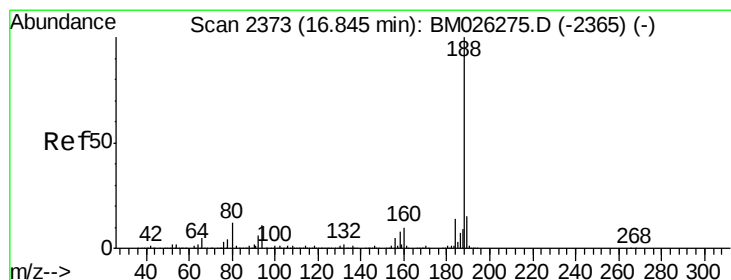
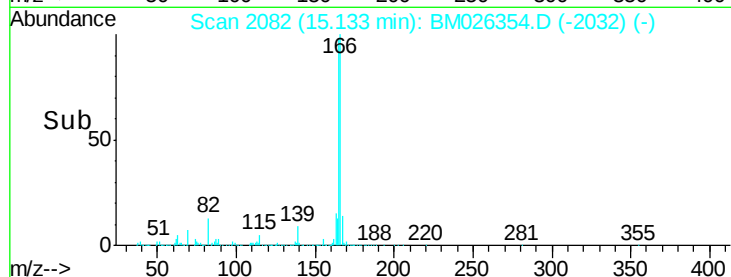
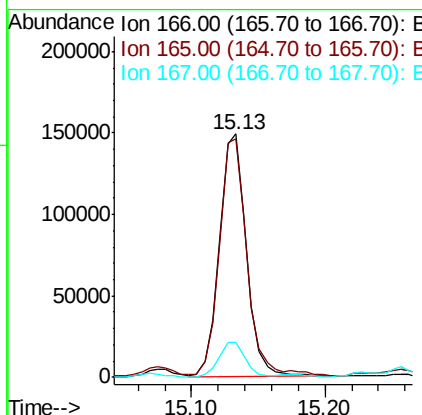
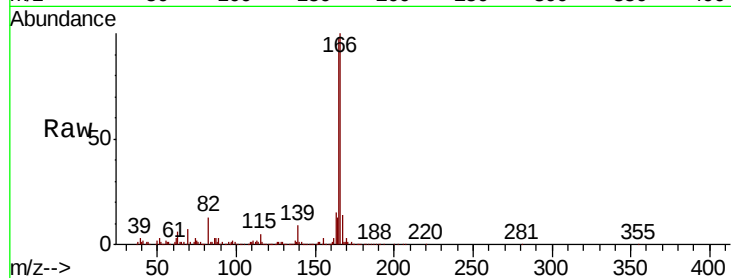
#58
 Fluorene
 Concen: 8.489 ng
 RT: 15.13 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	76.7	115.1
167	14.2	11.0	16.4

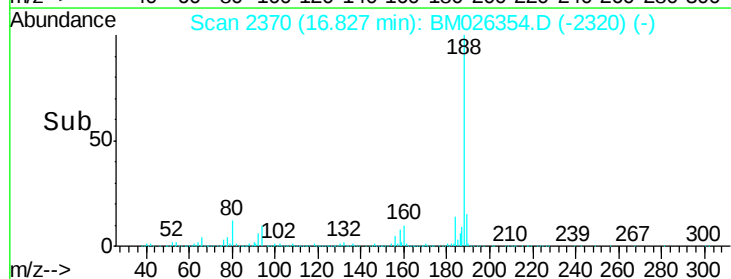
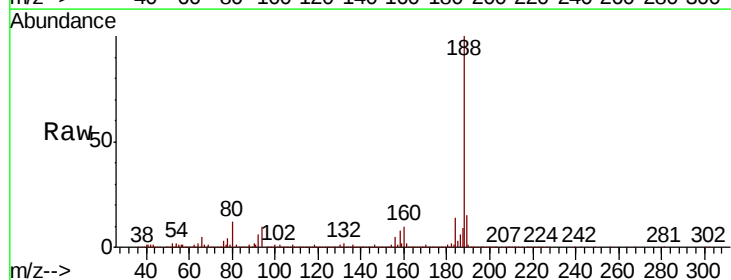
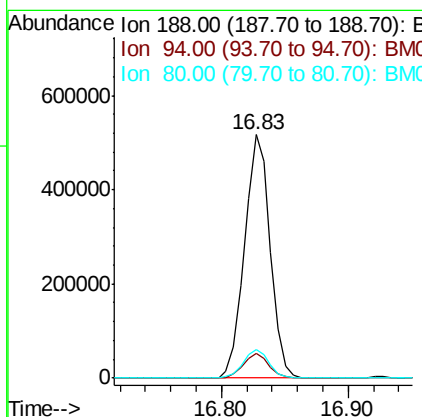
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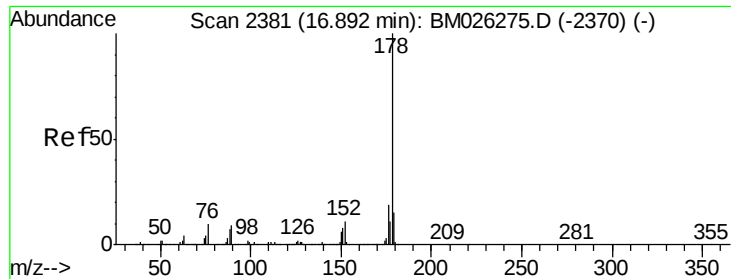
mohammad
 6/15/2020 8:43:22 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.83 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	12.8
80	11.7	9.7	14.5





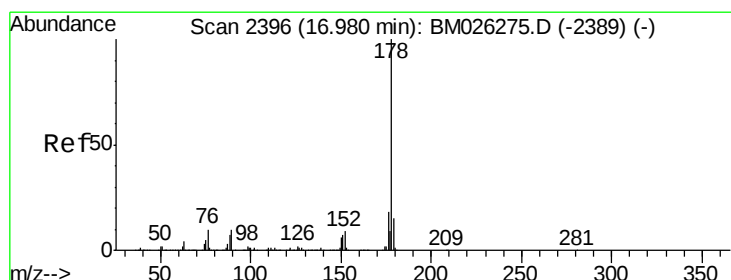
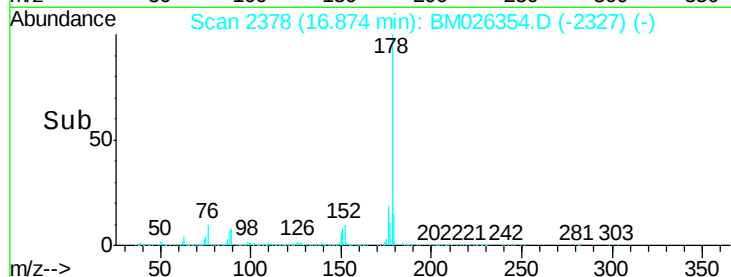
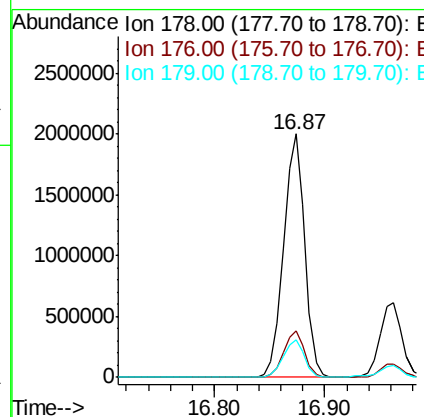
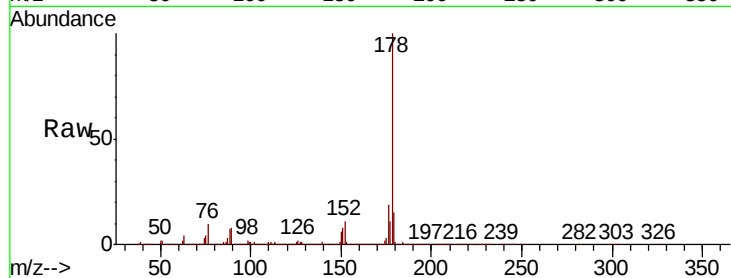
#71
Phenanthrene
Concen: 70.180 ng
RT: 16.87 min Scan# 2378
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.2	12.0	18.0

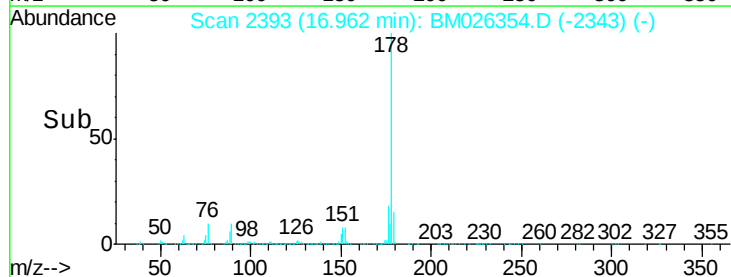
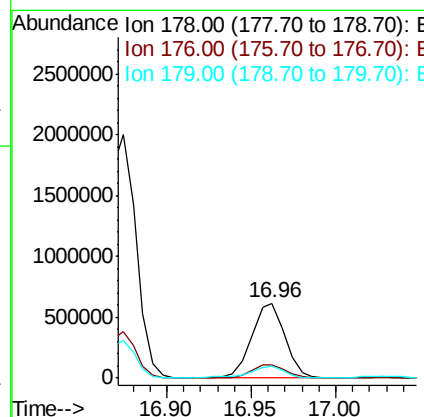
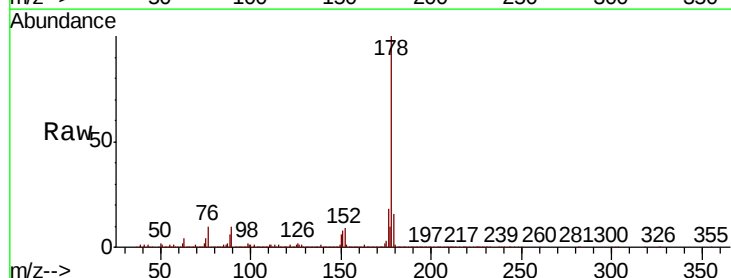
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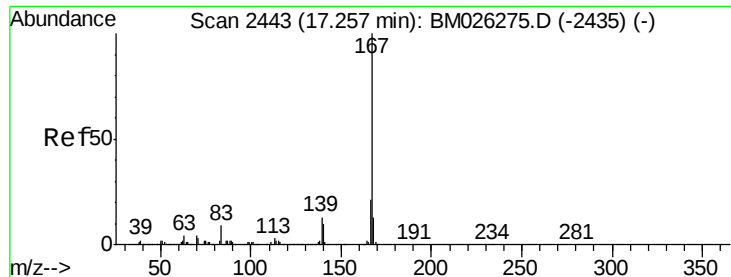
mohammad
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#72
Anthracene
Concen: 22.408 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.6	12.2	18.4





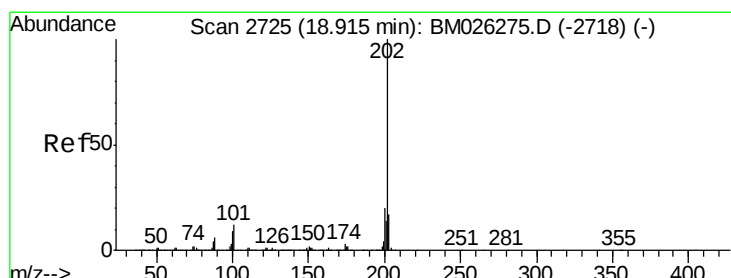
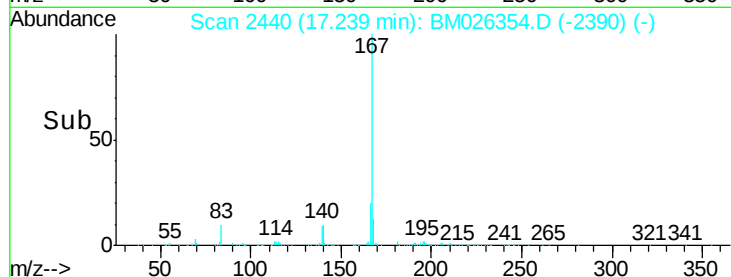
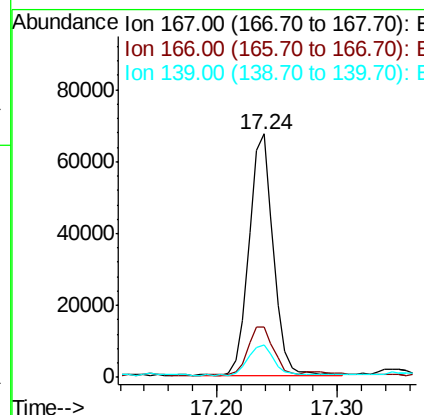
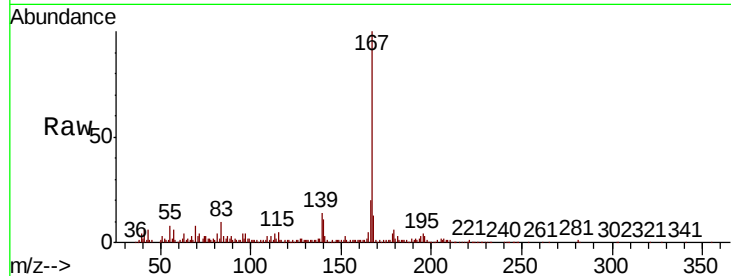
#73
 Carbazole
 Concen: 2.672 ng
 RT: 17.24 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	20.4	16.8	25.2		
139	13.5	10.6	15.8		

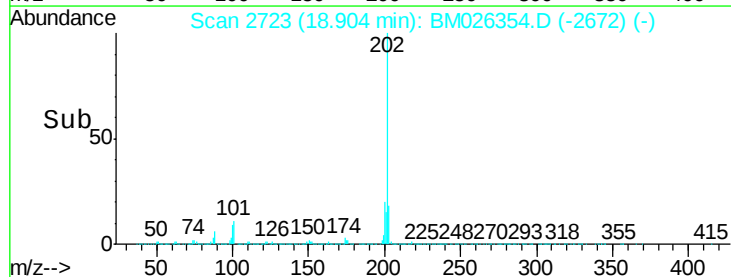
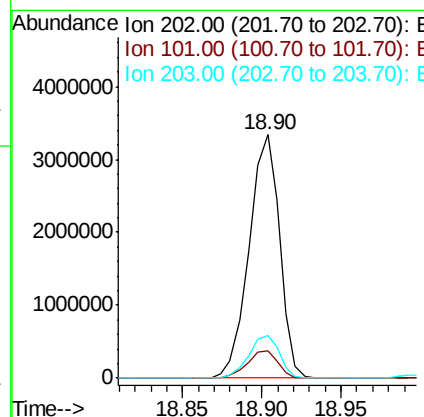
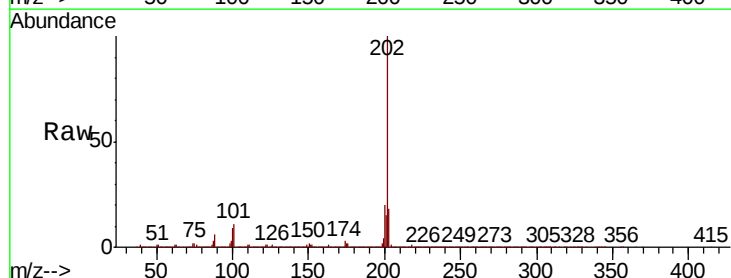
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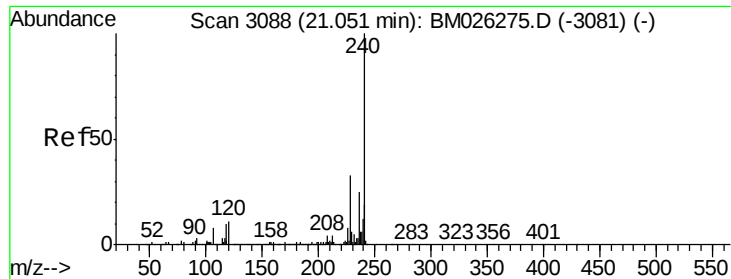
mohammad
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#75
 Fluoranthene
 Concen: 103.323 ng
 RT: 18.90 min Scan# 2723
 Delta R.T. -0.00 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.3	0.0	31.6		
203	17.6	0.0	37.4		





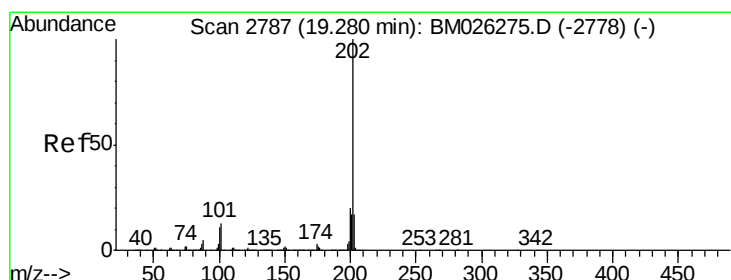
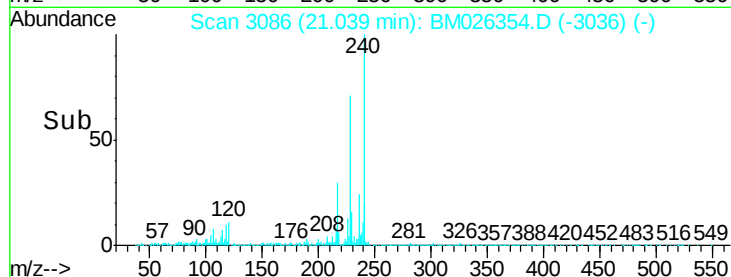
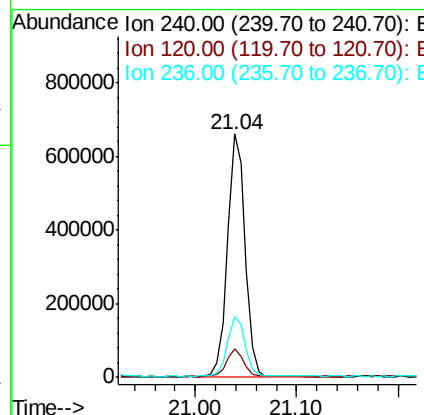
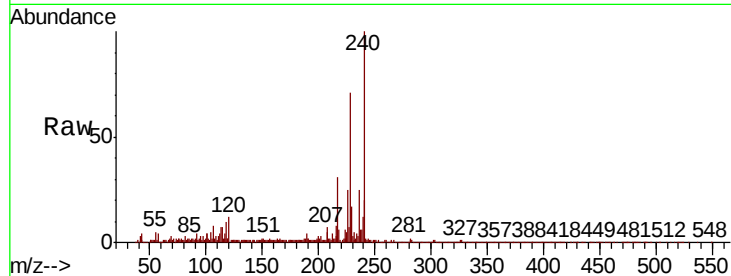
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.9	13.3
236	24.8	19.7	29.5

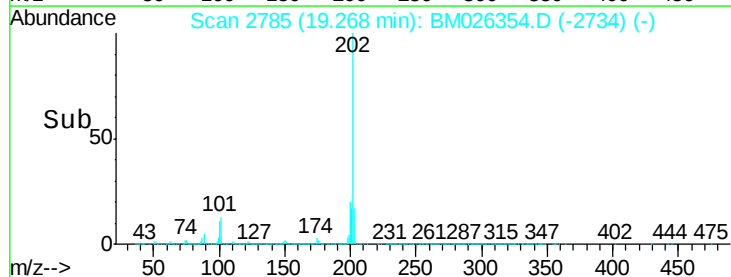
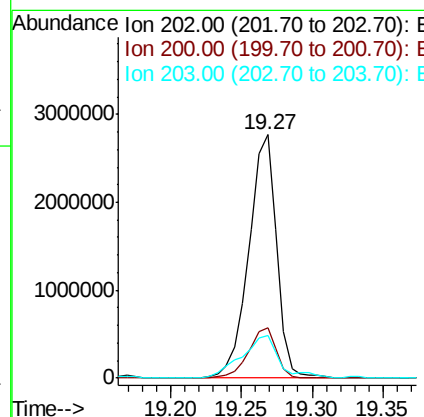
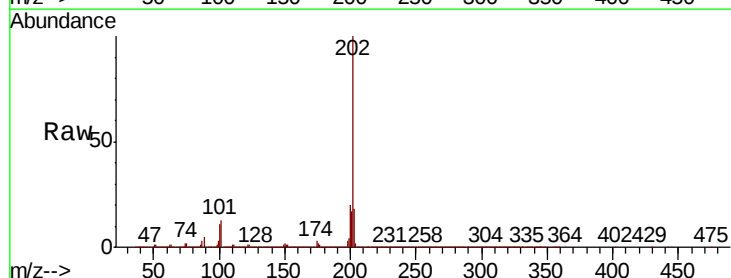
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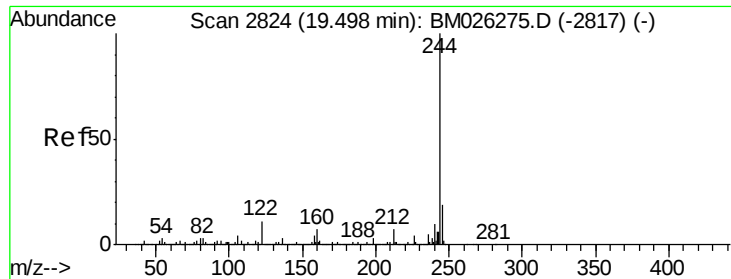
mohammad
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#78
Pyrene
Concen: 73.558 ng
RT: 19.27 min Scan# 2785
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.6	13.8	20.8





#79

Terphenyl-d14

Concen: 20.215 ng

RT: 19.48 min Scan# 2821

Delta R.T. -0.01 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Instrument :

BNA_M

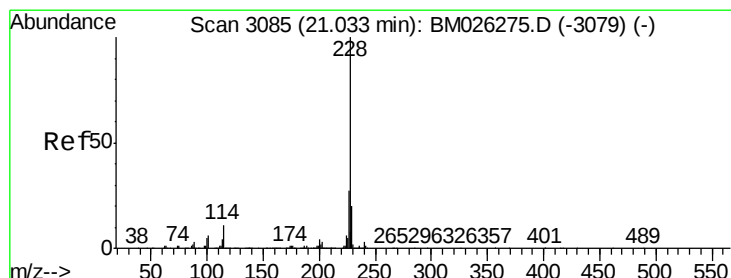
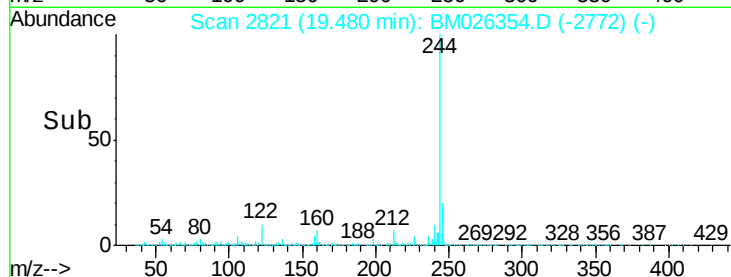
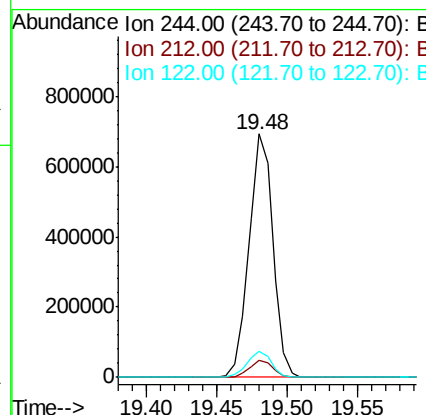
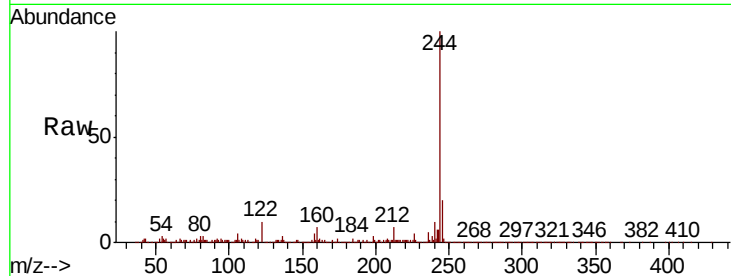
ClientSampleId :

CL-02-060920

Tot Ion:	244	Resp:	820770
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	10.4	9.1	13.7

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#81

Benzo(a)anthracene

Concen: 47.513 ng

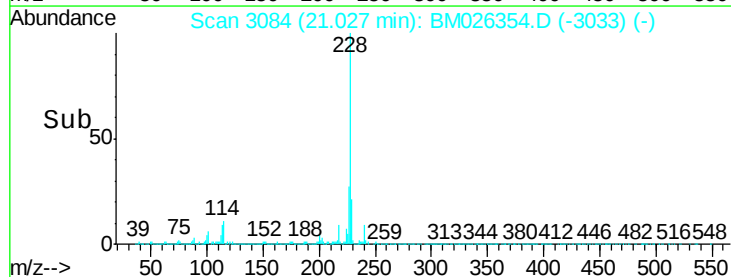
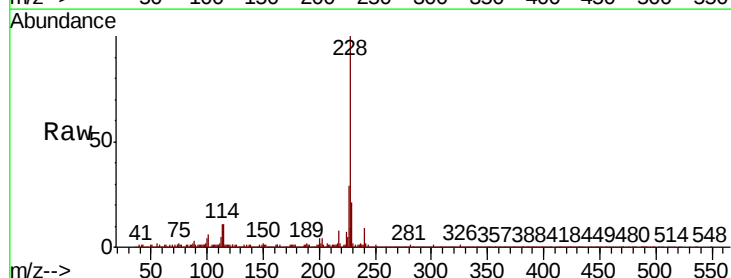
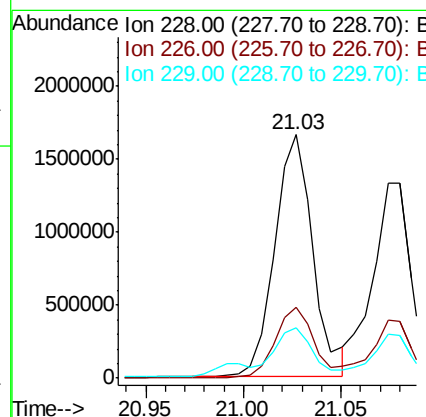
RT: 21.03 min Scan# 3084

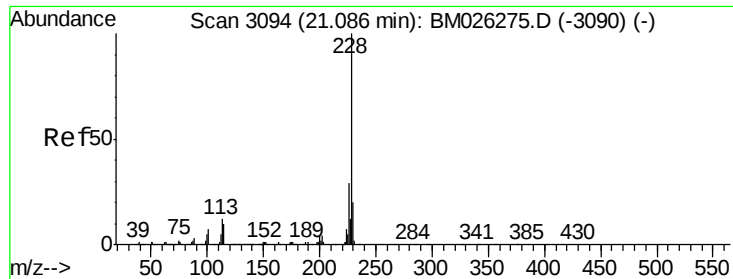
Delta R.T. -0.00 min

Lab File: BM026354.D

Acq: 11 Jun 2020 13:56

Tgt Ion:	228	Resp:	2247765
Ion Ratio	Lower	Upper	
228	100		
226	29.3	21.7	32.5
229	20.6	15.9	23.9





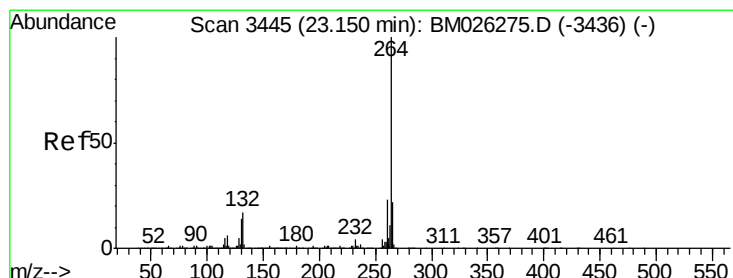
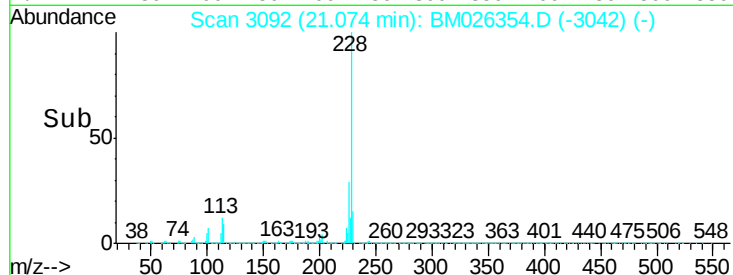
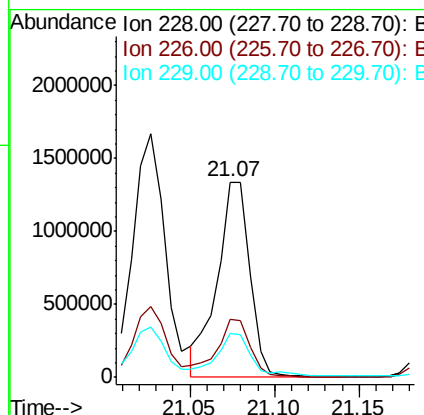
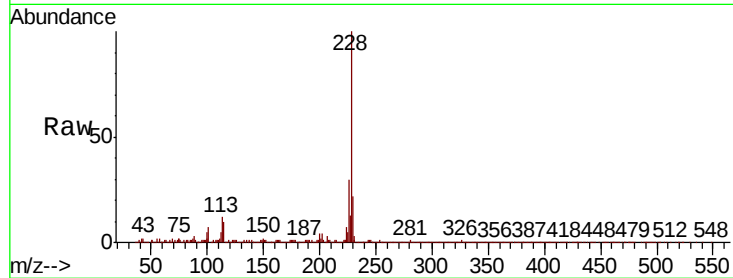
#83
 Chrysene
 Concen: 39.735 ng
 RT: 21.07 min Scan# 3092
 Delta R.T. -0.01 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-060920

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	22.4	15.8	23.6

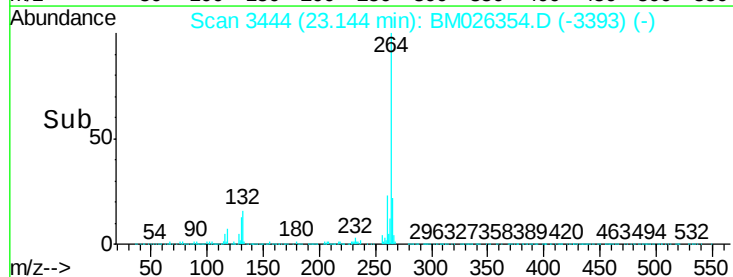
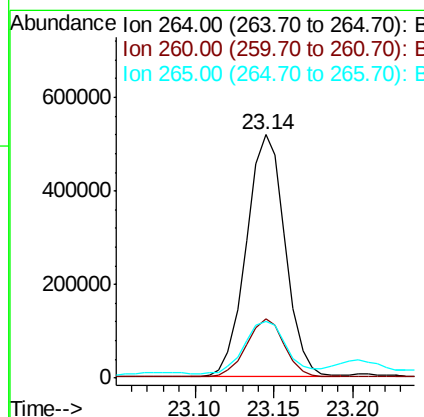
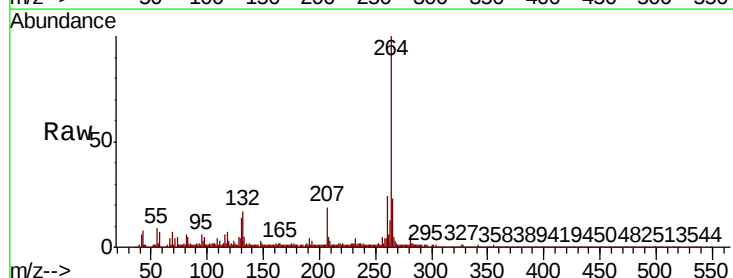
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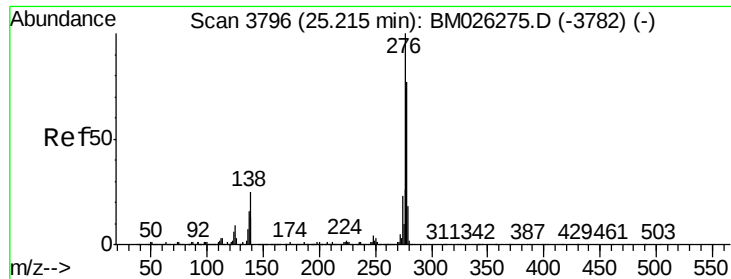
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.14 min Scan# 3444
 Delta R.T. -0.00 min
 Lab File: BM026354.D
 Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	23.5	18.2	27.2





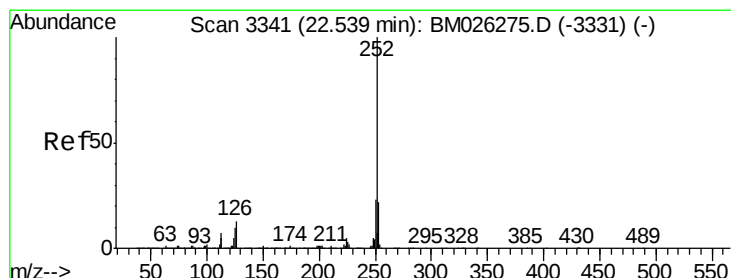
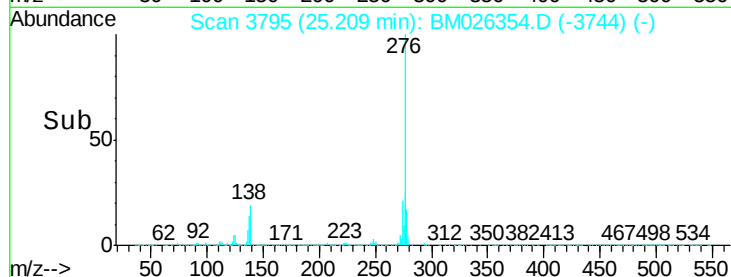
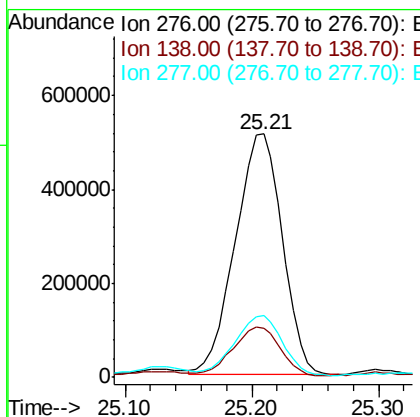
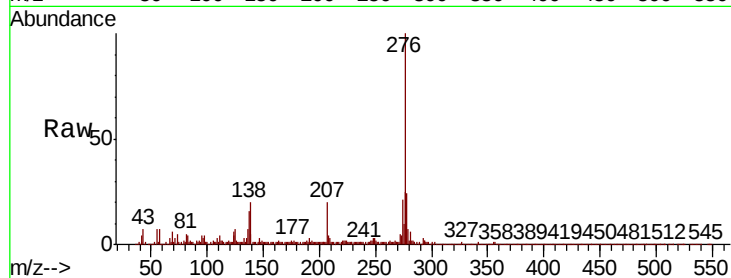
#87
Indeno(1,2,3-cd)pyrene
Concen: 25.856 ng
RT: 25.21 min Scan# 3795
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.8	29.8
277	25.2	20.2	30.2

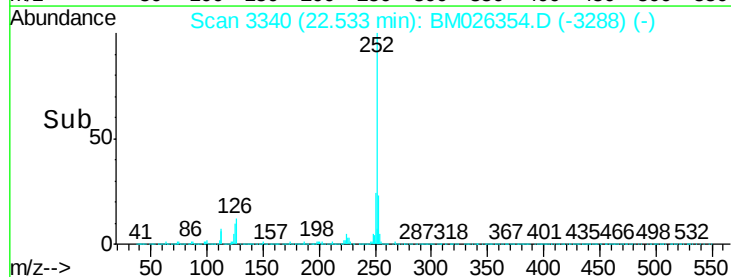
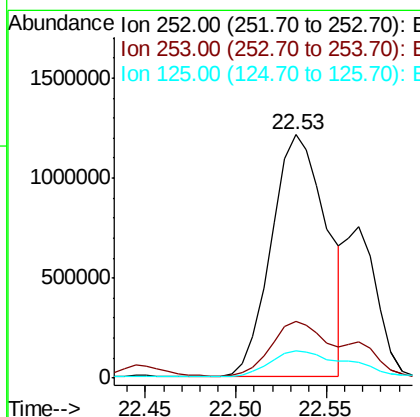
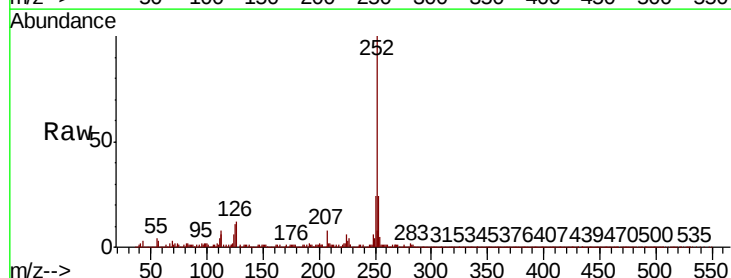
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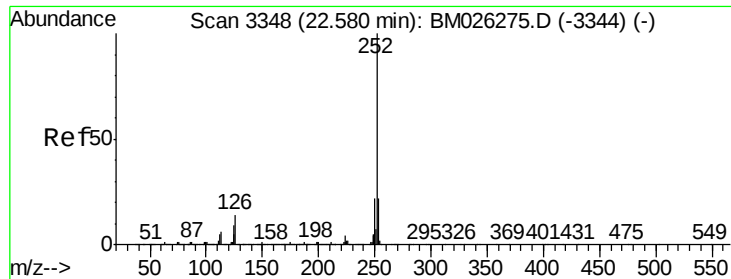
mohammad
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#88
Benzo(b)fluoranthene
Concen: 48.744 ng
RT: 22.53 min Scan# 3340
Delta R.T. 0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	11.2	7.9	11.9





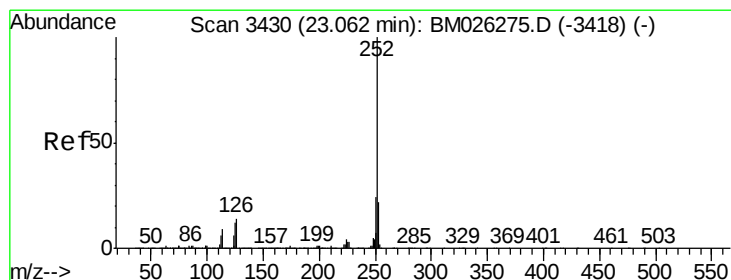
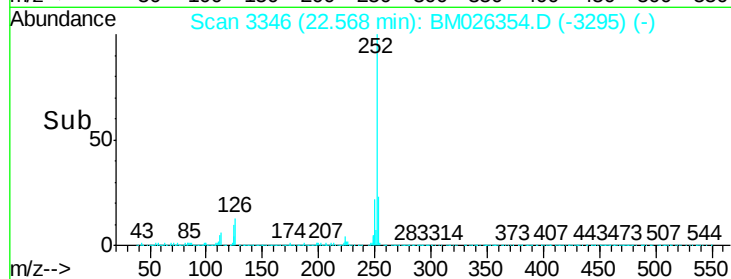
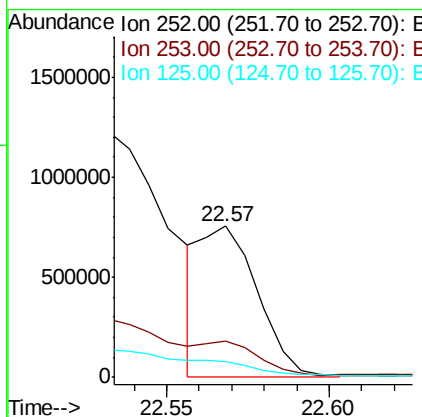
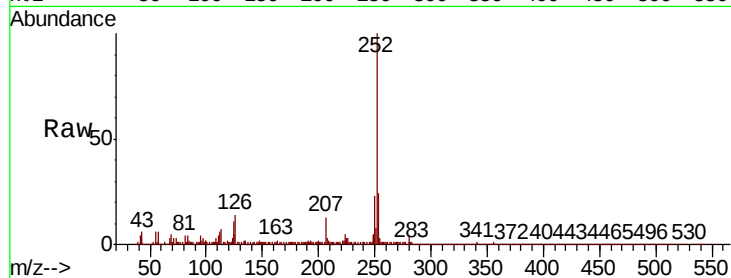
#89
Benzo(k)fluoranthene
Concen: 17.859 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	10.8	7.8	11.6

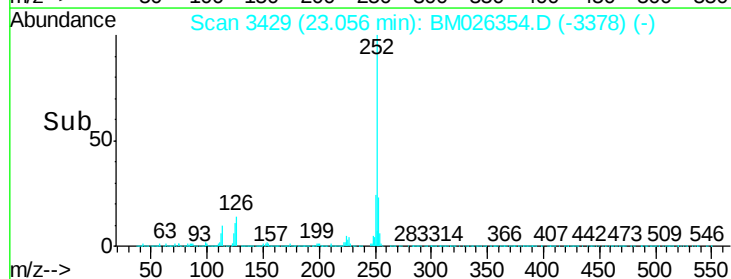
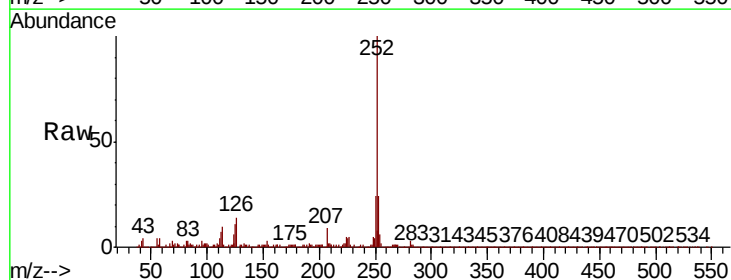
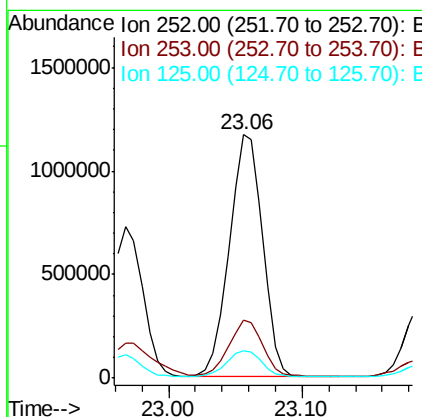
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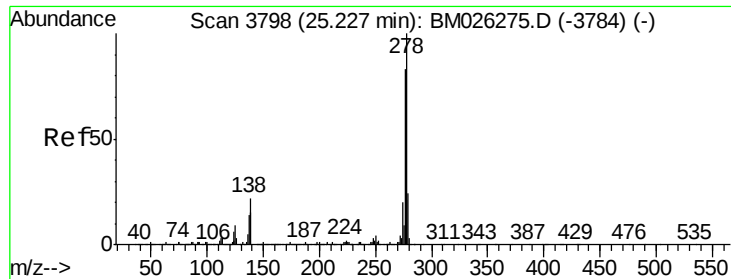
mohammad
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#90
Benzo(a)pyrene
Concen: 43.470 ng
RT: 23.06 min Scan# 3429
Delta R.T. -0.00 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.5	9.4	14.0





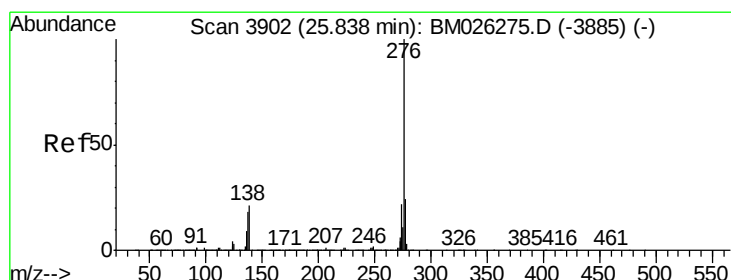
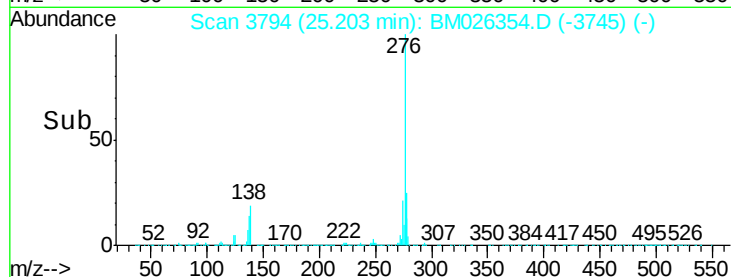
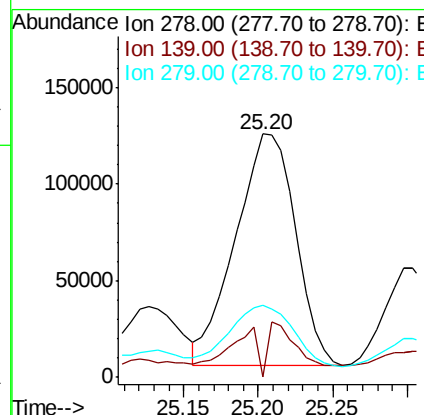
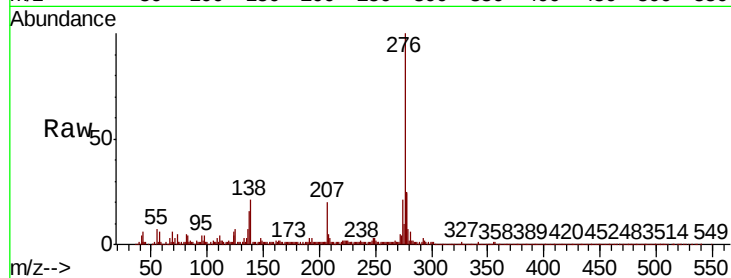
#91
Dibenzo(a,h)anthracene
Concen: 7.879 ng
RT: 25.20 min Scan# 3794
Delta R.T. -0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Instrument :
BNA_M
ClientSampleId :
CL-02-060920

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.9	17.9#
279	29.8	19.0	28.4#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 31.772 ng
RT: 25.83 min Scan# 3901
Delta R.T. 0.01 min
Lab File: BM026354.D
Acq: 11 Jun 2020 13:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	20.2	16.5	24.7

