

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
 Data File : BM020203.D
 Acq On : 08 May 2019 20:10
 Operator : JU/SJ
 Sample : K2641-07 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-D

Manual Integrations
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Quant Time: May 09 03:11:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	149858	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	523117	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	311631	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	720010	20.00	ng	0.00
76) Chrysene-d12	21.36	240	762148	20.00	ng	0.00
87) Perylene-d12	23.66	264	892633	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	494503	53.94	ng	0.00
7) Phenol-d6	6.95	99	669191	53.43	ng	0.00
23) Nitrobenzene-d5	8.95	82	478299	36.10	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	277371	57.34	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	891151	35.18	ng	-0.01
79) Terphenyl-d14	19.80	244	1417820	32.45	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	10.63	128	55542	2.046	ng	97
38) 1-Methylnaphthalene	12.46	142	46858	2.421	ng	# 92
49) Acenaphthylene	14.15	152	155720	4.751	ng	98
50) Dimethylphthalate	13.89	163	103250	3.898	ng	98
52) Acenaphthene	14.49	154	118830	6.322	ng	99
55) Dibenzofuran	14.83	168	130055	4.102	ng	96
58) Fluorene	15.48	166	205973	7.911	ng	98
71) Phenanthrene	17.22	178	1499487	37.728	ng	100
72) Anthracene	17.31	178	583671	14.688	ng	99
73) Carbazole	17.59	167	101128	2.820	ng	99
75) Fluoranthene	19.24	202	2792889	55.538	ng	99
78) Pvrene	19.60	202	2534881	49.539	ng	99
81) Benzo(a)anthracene	21.35	228	1478008	27.652	ng	97
83) Chrysene	21.40	228	1153838	22.259	ng	97
86) Indeno(1,2,3-cd)pyrene	25.99	276	776886	12.600	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1539712m	26.121	ng	
89) Benzo(k)fluoranthene	23.00	252	635332m	11.816	ng	
90) Benzo(a)pyrene	23.56	252	1261399	23.560	ng	96
91) Dibenzo(a,h)anthracene	25.99	278	213167	3.828	ng	# 83
92) Benzo(a,h,i)perylene	26.71	276	723045	13.678	ng	96

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

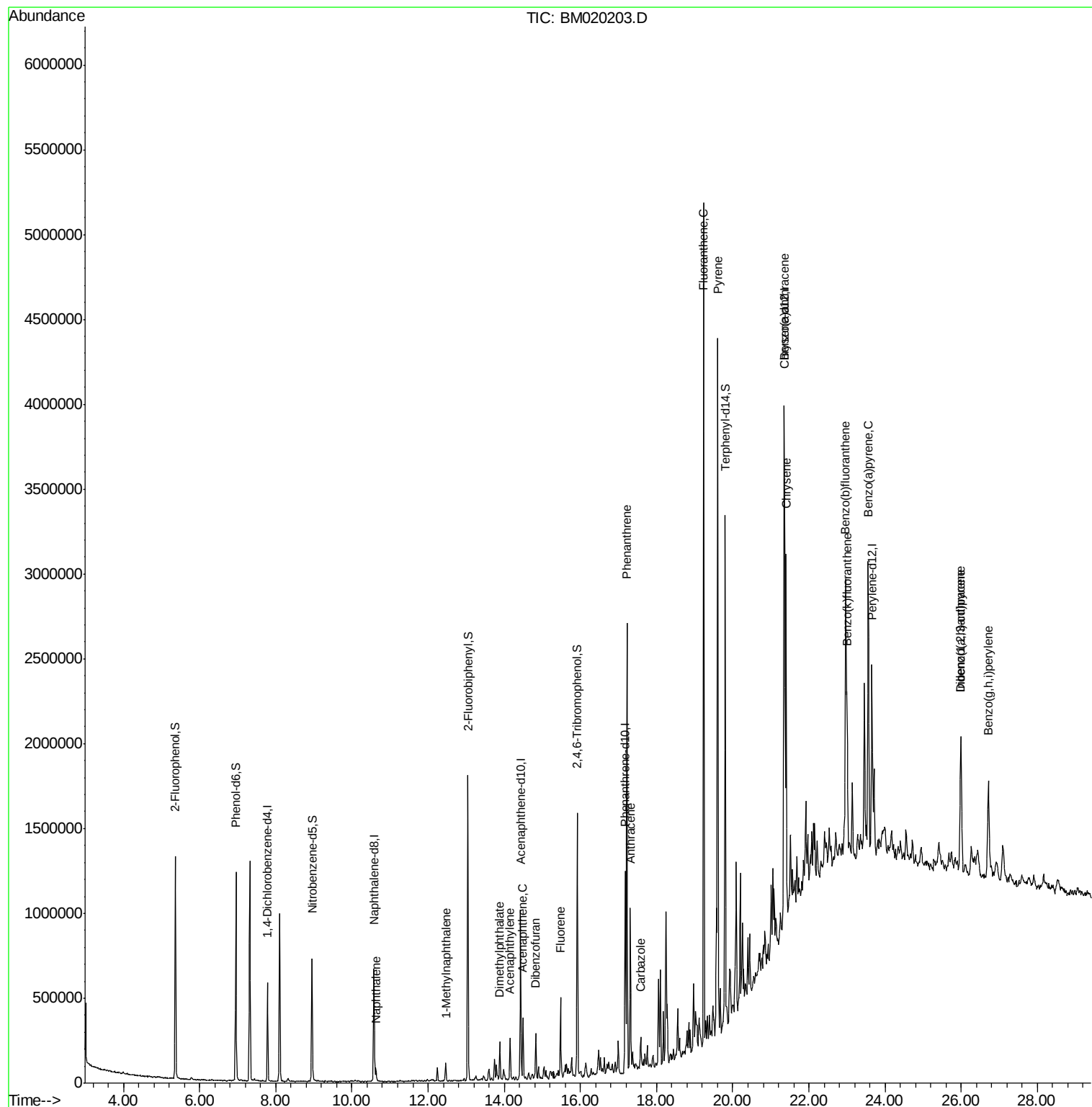
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
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ALS Vial : 13 Sample Multiplier: 1

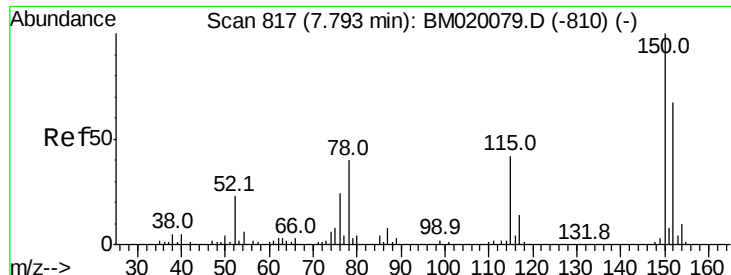
Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Quant Time: May 09 03:11:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
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#1

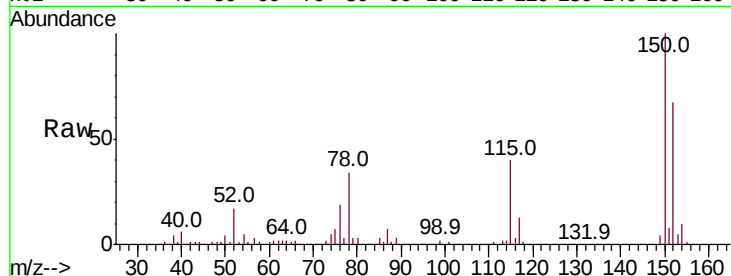
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	119.8	179.8
115	60.5	50.8	76.2

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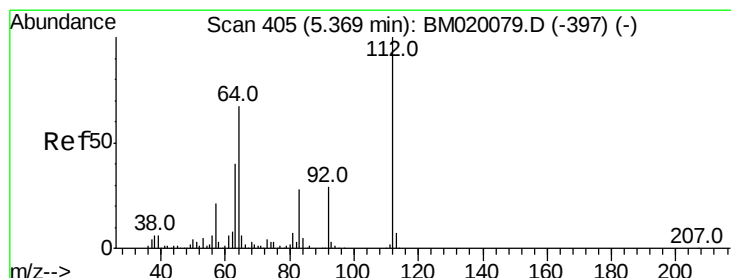
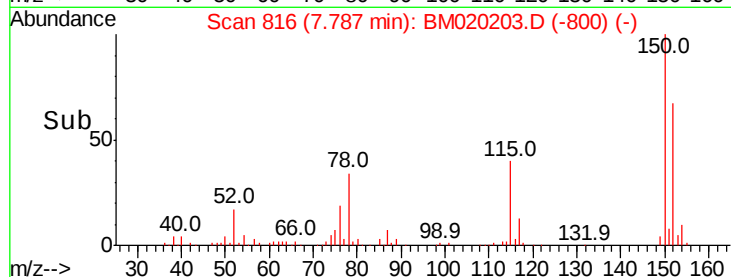
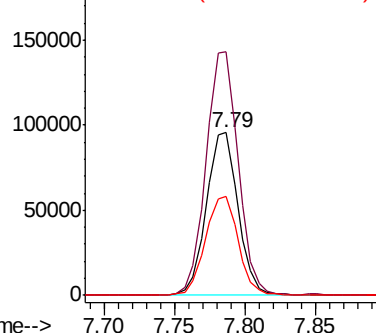


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

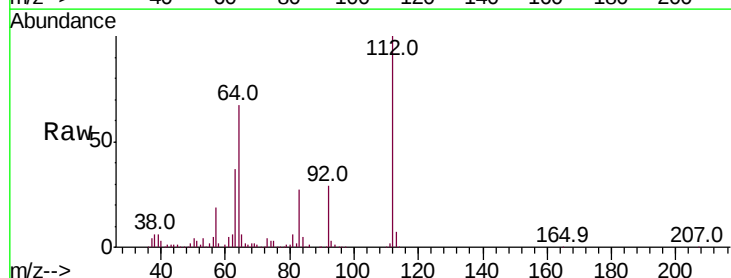
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.938 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.8	80.6
63	37.2	32.3	48.5

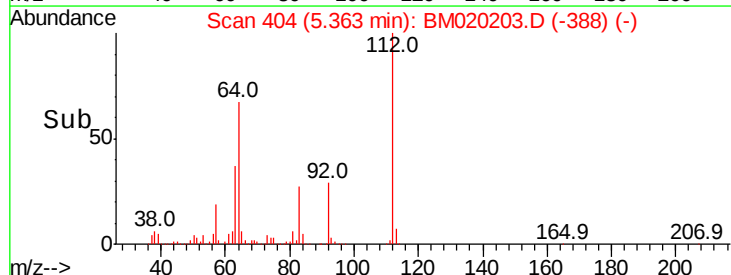
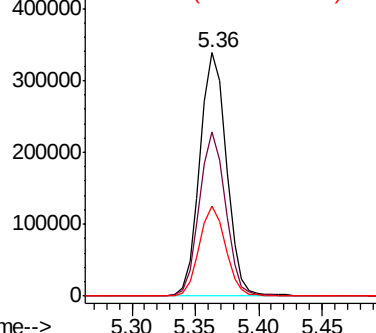


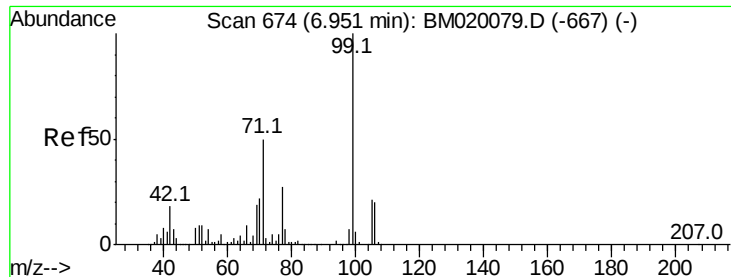
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 53.430 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Instrument :

BNA_M

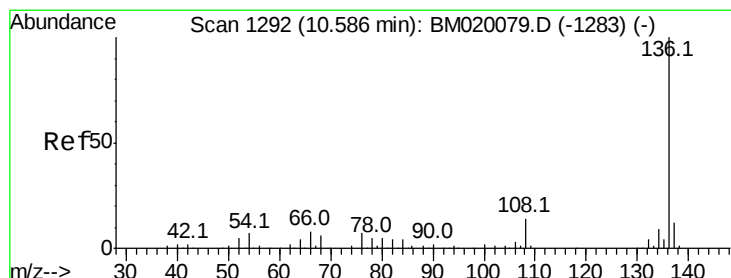
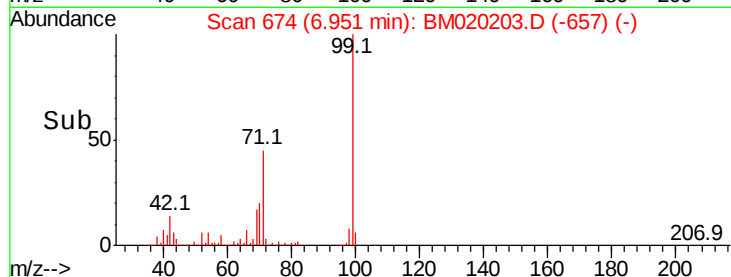
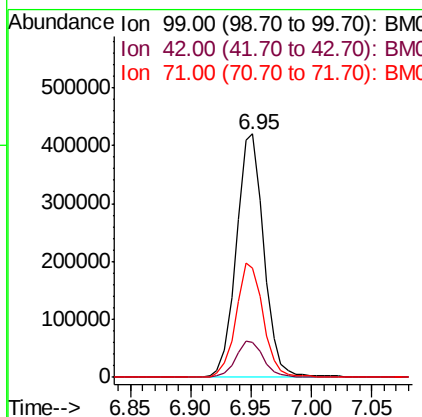
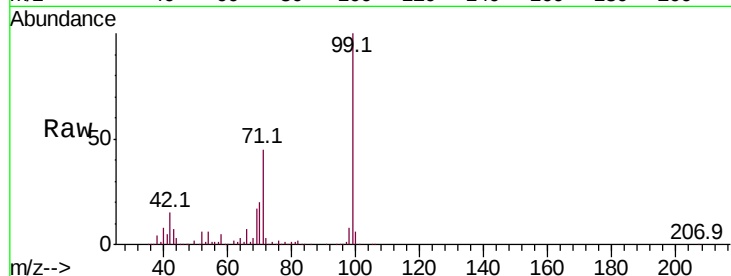
ClientSampleId :

CL-02-050719-D

Tot Ion:	99	Resp:	669191
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.2	21.2
71	45.1	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

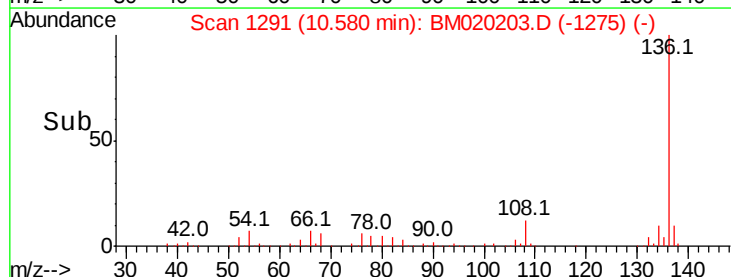
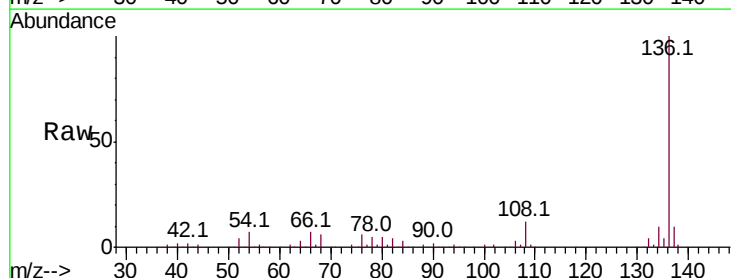
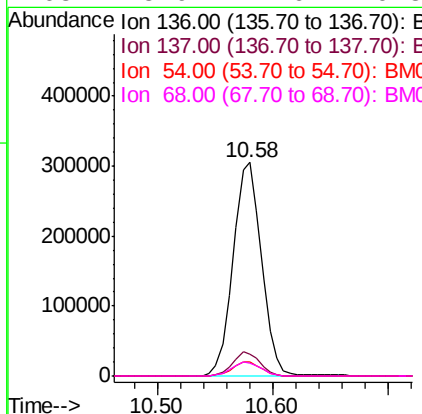
RT: 10.58 min Scan# 1291

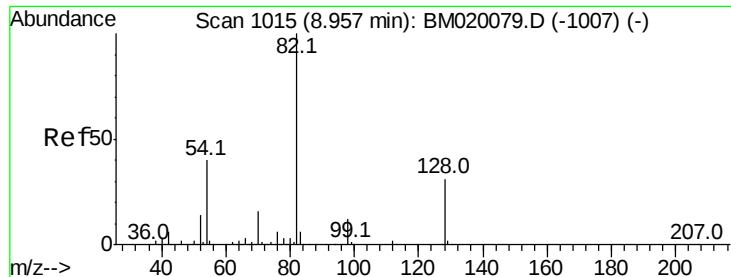
Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Tgt Ion:	136	Resp:	523117
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.6	14.4
54	6.7	5.5	8.3
68	5.9	4.6	6.8





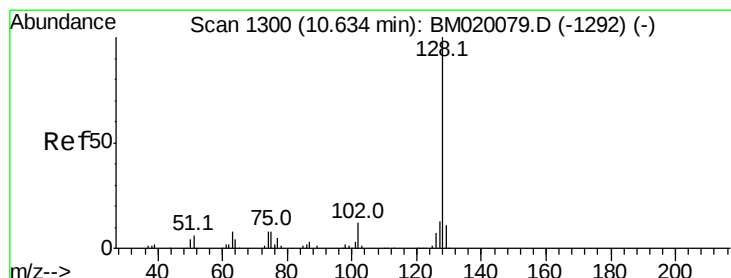
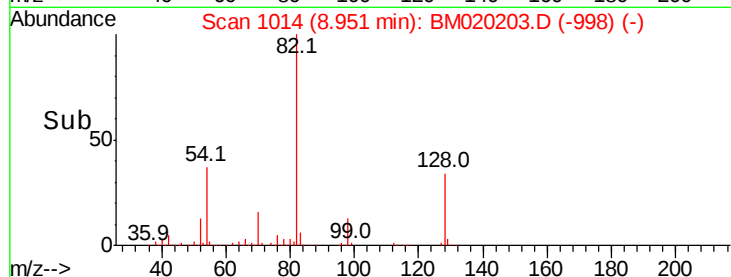
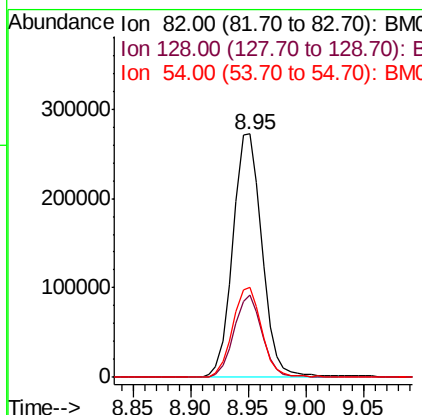
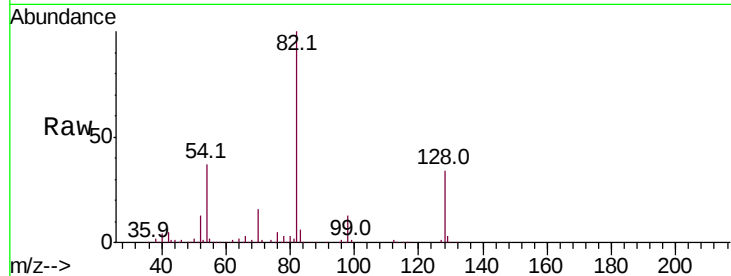
#23
Nitrobenzene-d5
Concen: 36.098 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.8	25.2	37.8	
54	37.1	31.9	47.9	

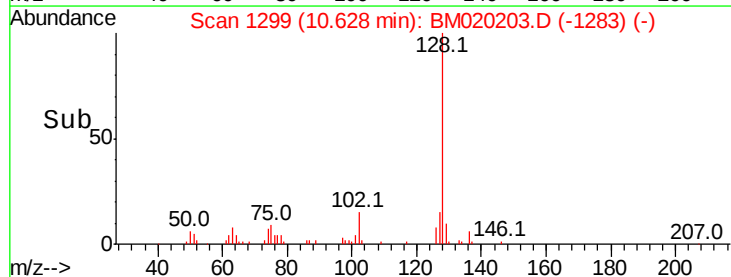
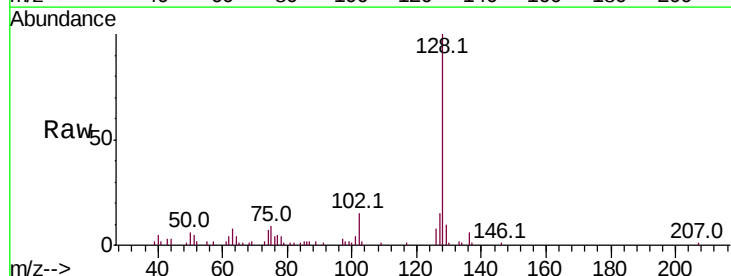
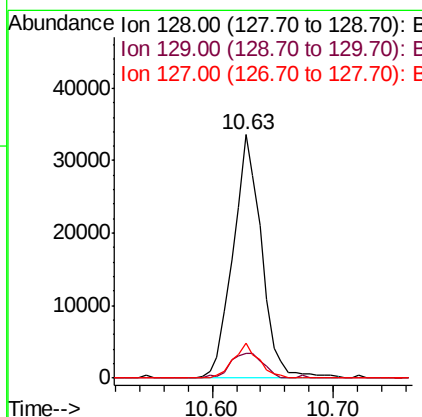
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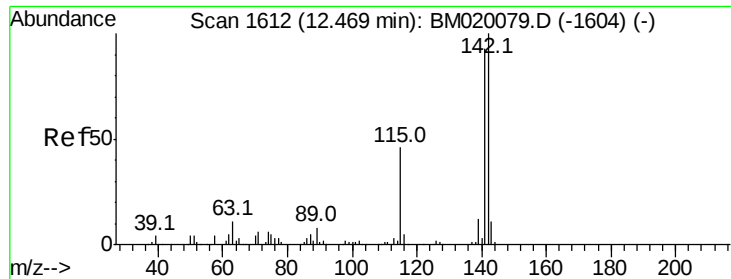
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#31
Naphthalene
Concen: 2.046 ng
RT: 10.63 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.2	9.0	13.4	
127	14.6	10.4	15.6	





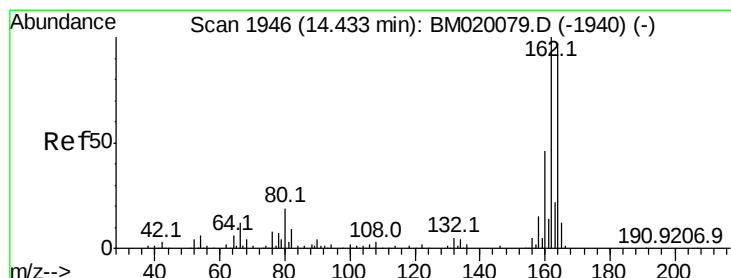
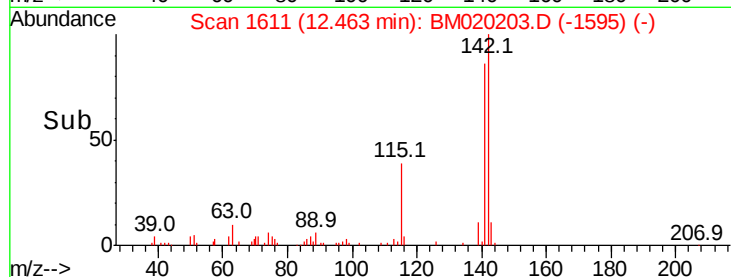
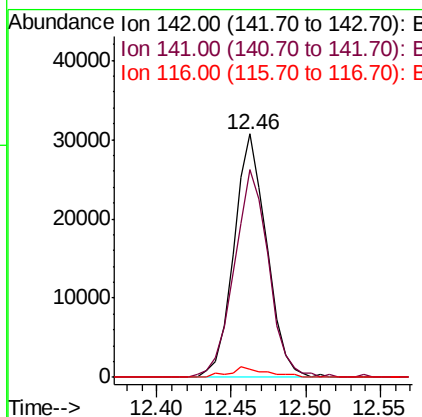
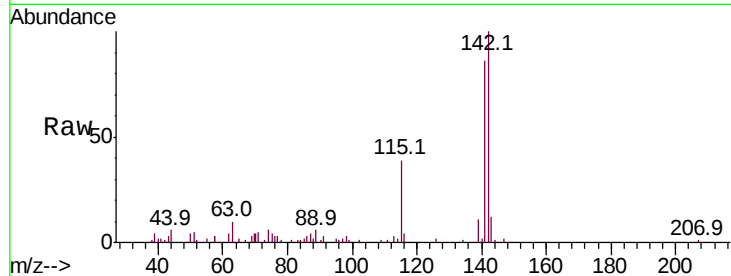
#38
1-Methylnaphthalene
Concen: 2.421 ng
RT: 12.46 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.5	74.8	112.2
116	3.5	3.9	5.9#

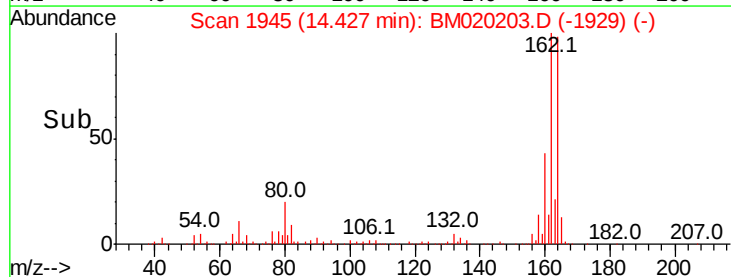
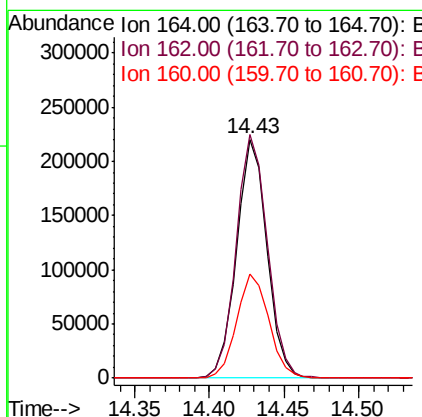
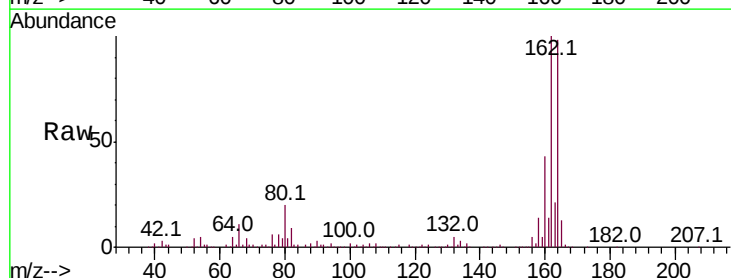
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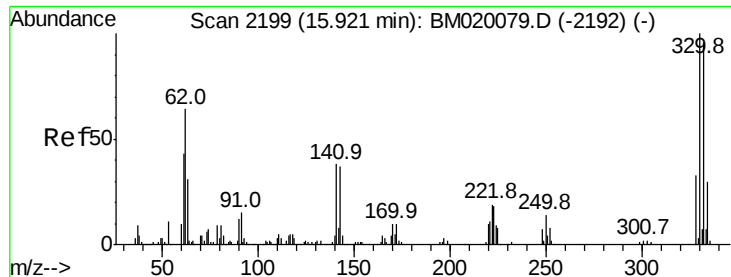
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.2
160	43.8	37.6	56.4





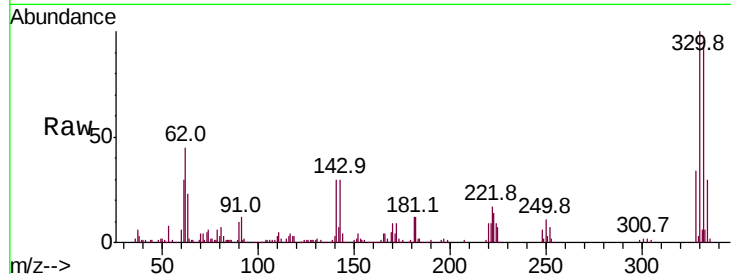
#42
 2,4,6-Tribromophenol
 Concen: 57.342 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	277371		
332	95.6	76.8	115.2	
141	32.2	29.2	43.8	

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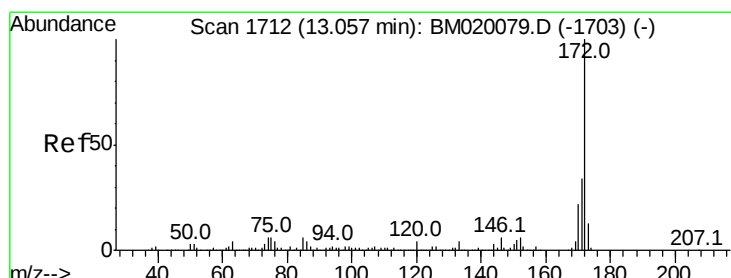
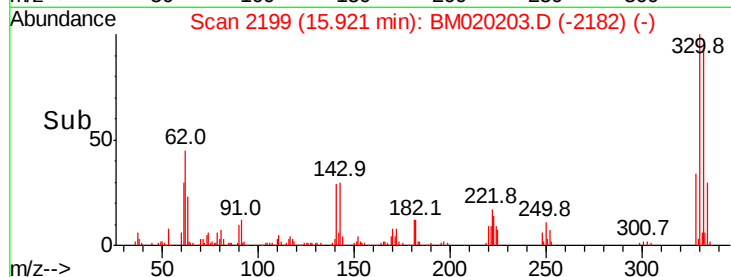
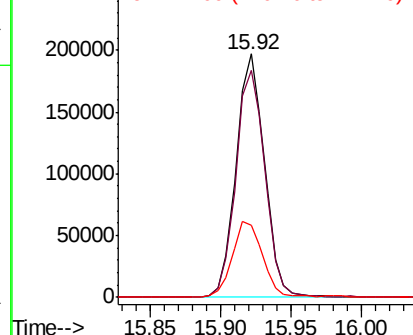


Abundance

Ion 329.80 (329.50 to 330.50): E

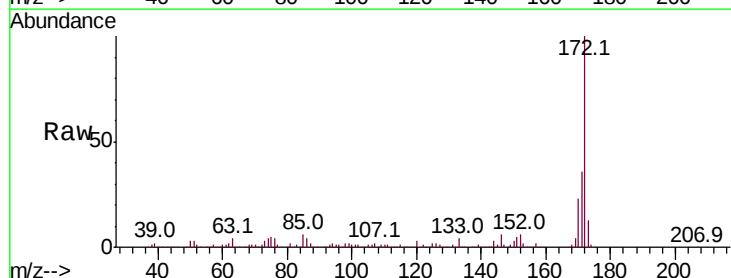
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.184 ng
 RT: 13.05 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	891151		
171	35.9	27.3	40.9	
170	23.1	17.9	26.9	

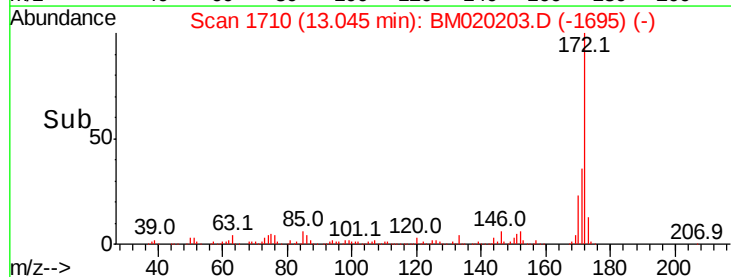
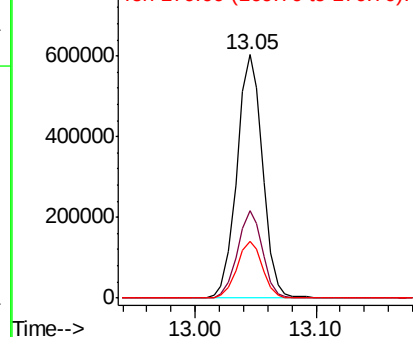


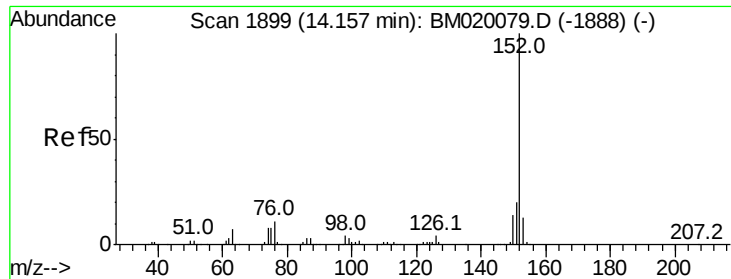
Abundance

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: 4.751 ng

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Instrument :

BNA_M

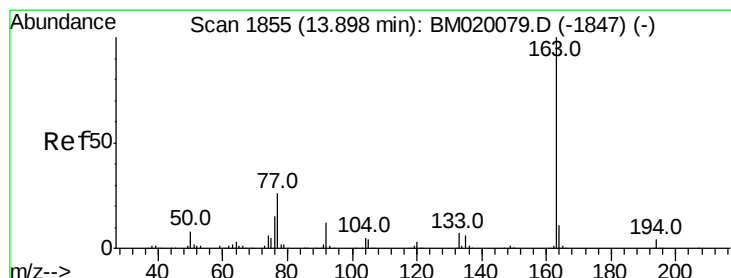
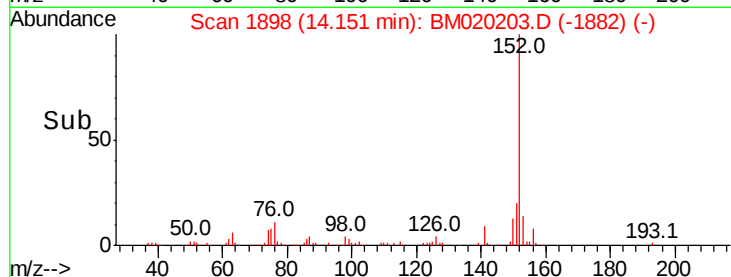
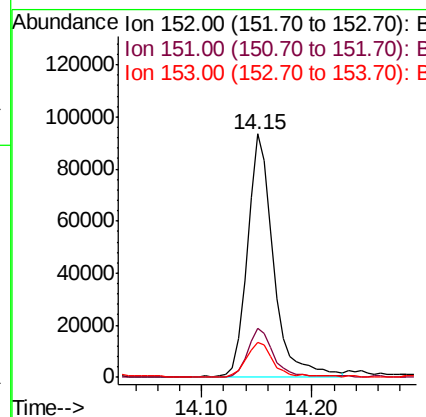
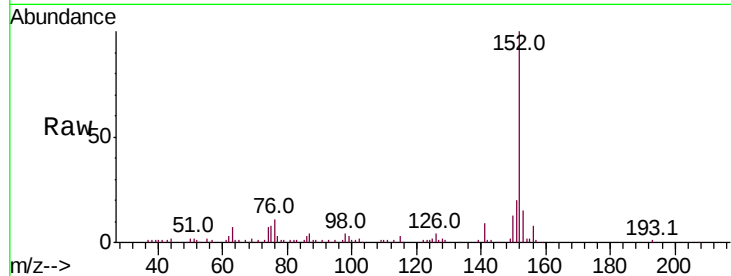
ClientSampleId :

CL-02-050719-D

Tot Ion:	152	Resp:	155720
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.2	24.2
153	14.6	10.6	16.0

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#50

Dimethylphthalate

Concen: 3.898 ng

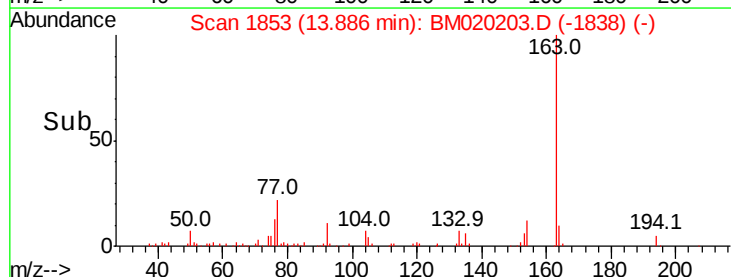
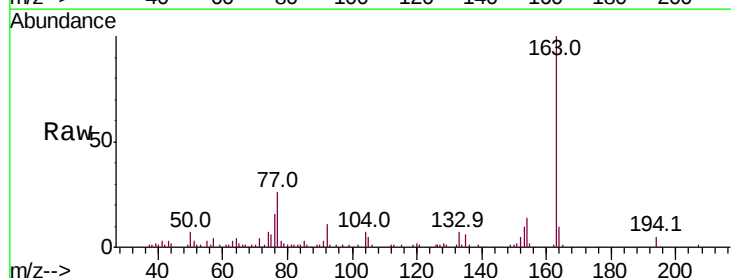
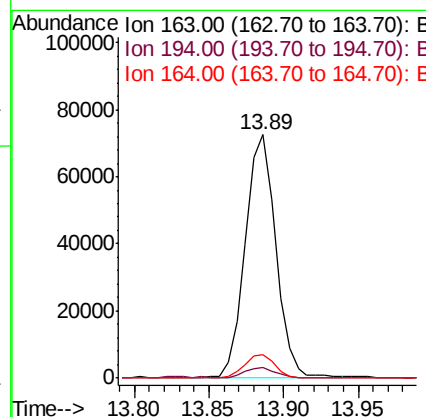
RT: 13.89 min Scan# 1853

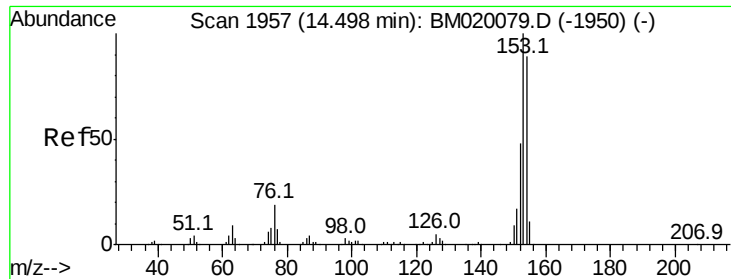
Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Tgt Ion:	163	Resp:	103250
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.6	5.4
164	9.6	8.4	12.6





#52

Acenaphthene

Concen: 6.322 ng

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Instrument :

BNA_M

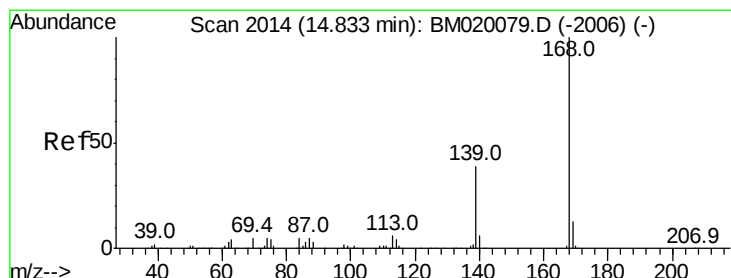
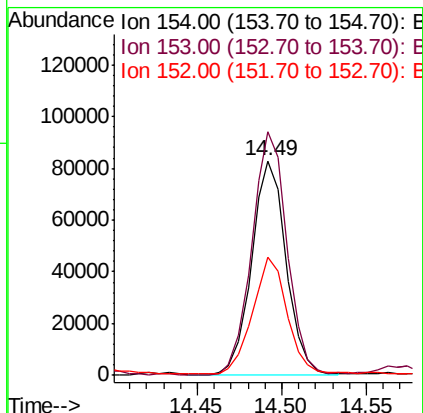
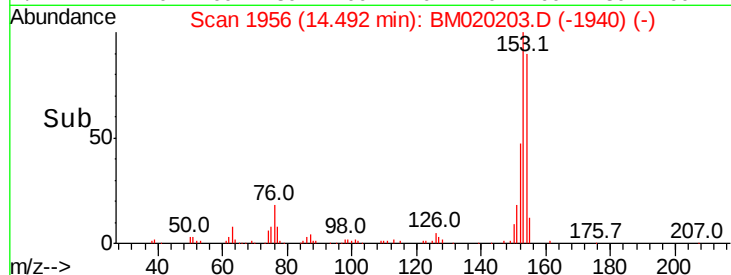
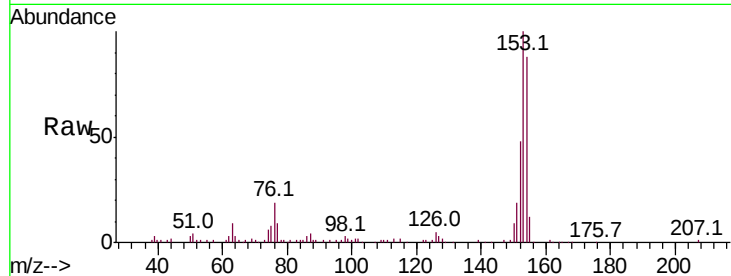
ClientSampleId :

CL-02-050719-D

Tot Ion:	154	Resp:	118830
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.2	135.2
152	54.8	43.0	64.4

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#55

Dibenzofuran

Concen: 4.102 ng

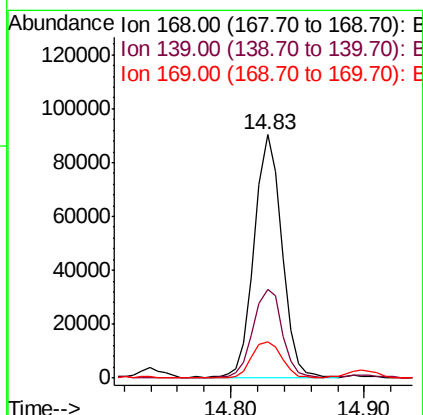
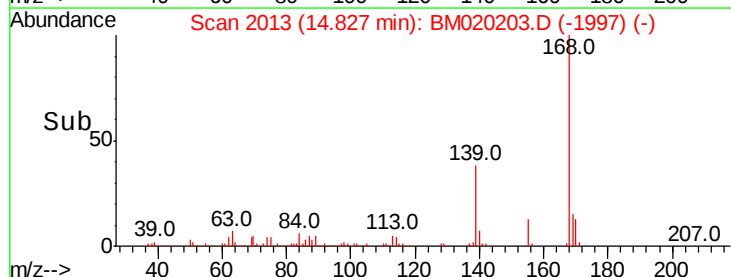
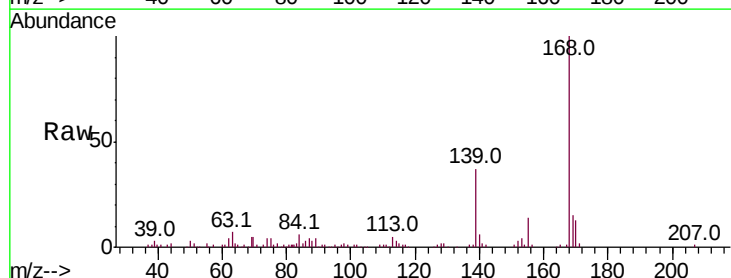
RT: 14.83 min Scan# 2013

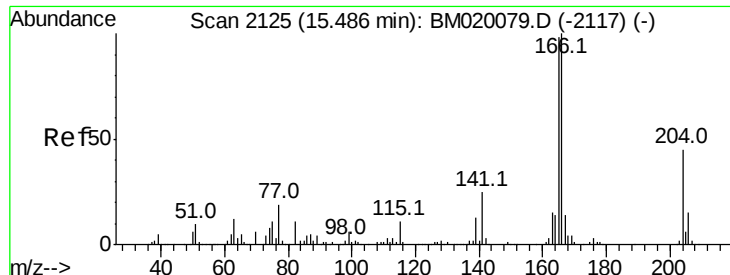
Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Tgt Ion:	168	Resp:	130055
Ion Ratio	Lower	Upper	
168	100		
139	36.5	31.1	46.7
169	14.8	10.6	16.0





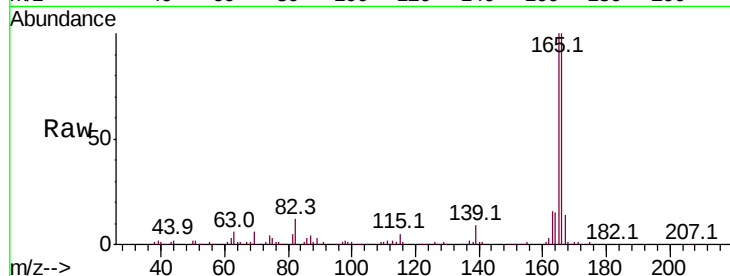
#58
Fluorene
 Concen: 7.911 ng
 RT: 15.48 min Scan# 2124
 Delta R.T. -0.01 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-D

Tot Ion	Ratio	Resp	Lower	Upper
166	100	205973		
165	100.1	78.2	117.2	
167	13.8	11.0	16.4	

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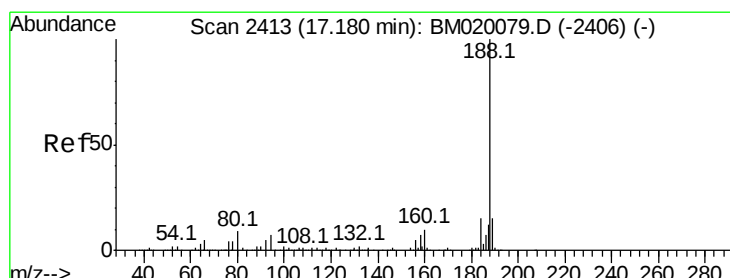
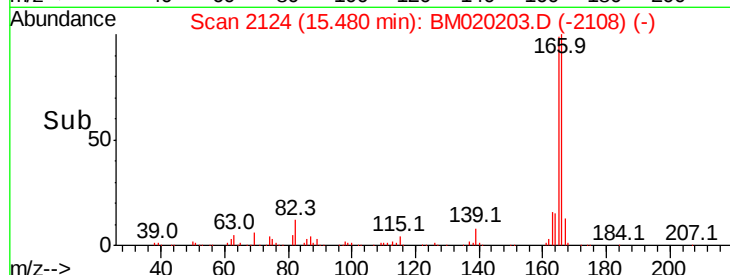
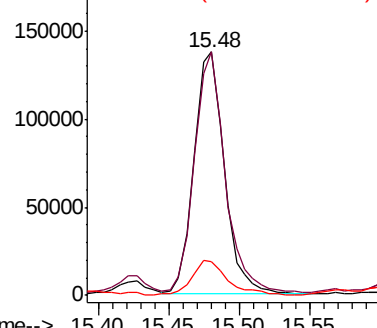


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.18 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

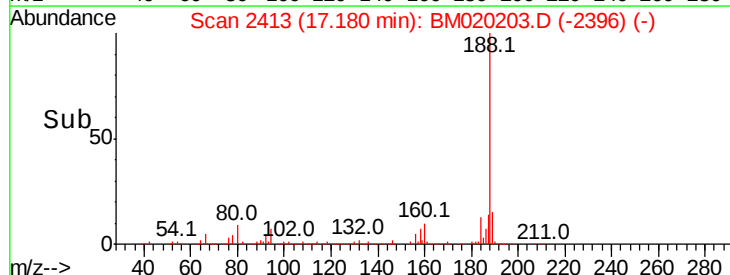
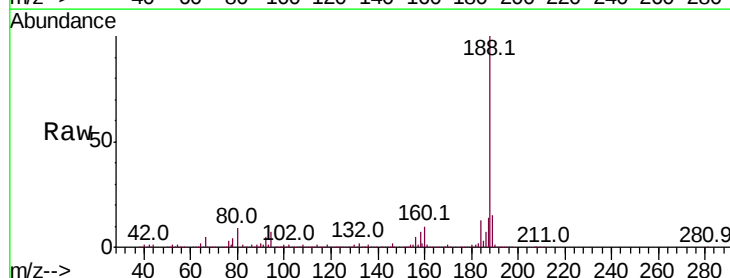
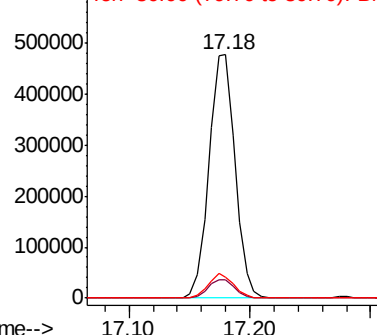
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	720010		
94	7.3	5.8	8.6	
80	8.8	7.4	11.2	

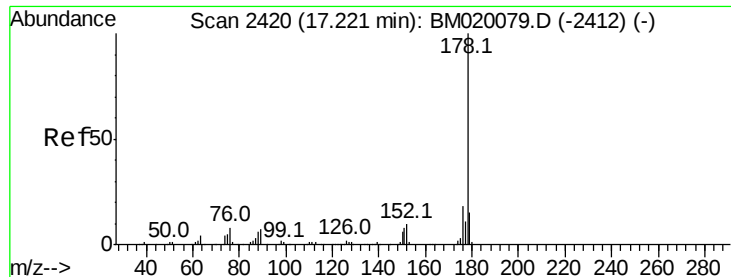
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





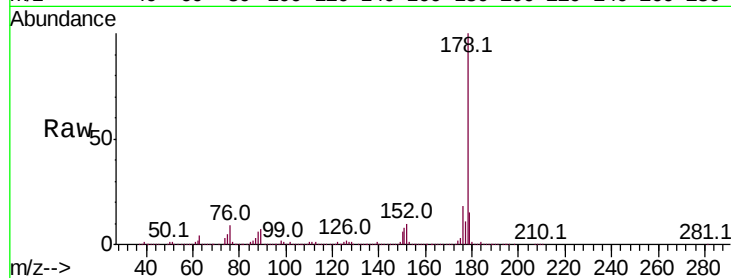
#71
Phenanthrene
Concen: 37.728 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.4	12.4	18.6

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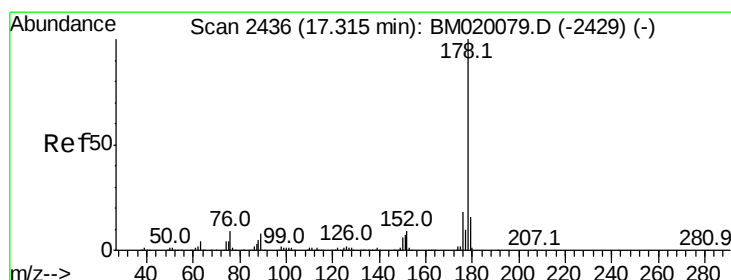
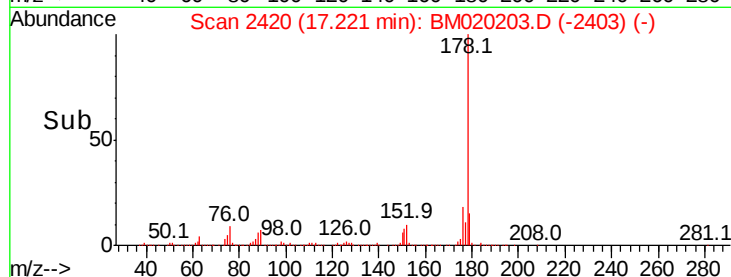
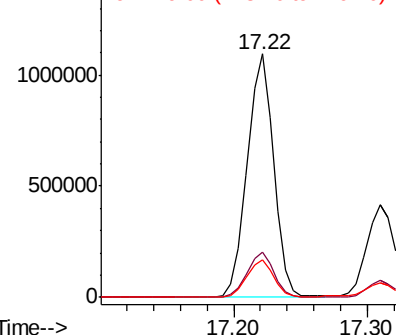


Abundance

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: 14.688 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

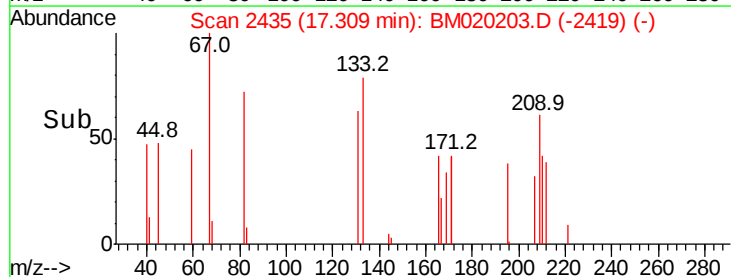
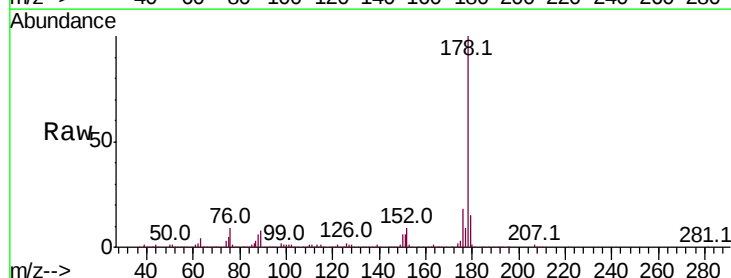
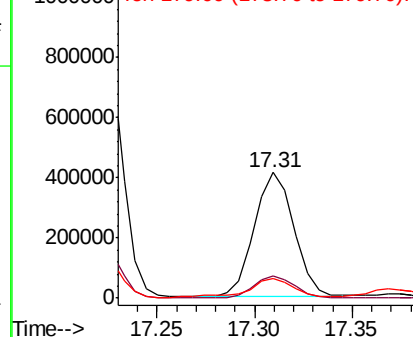
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.3	12.4	18.6

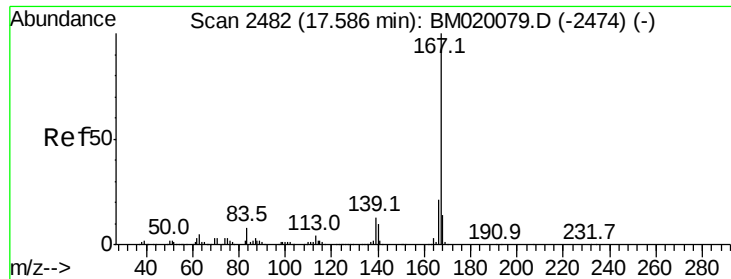
Abundance

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





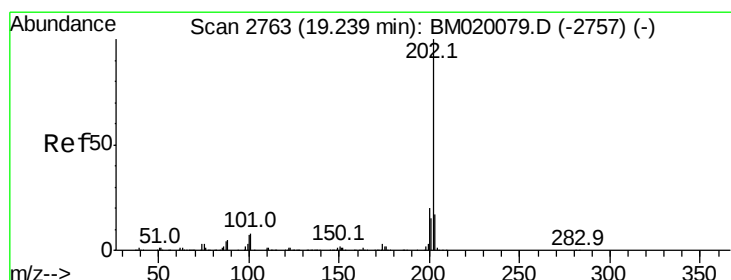
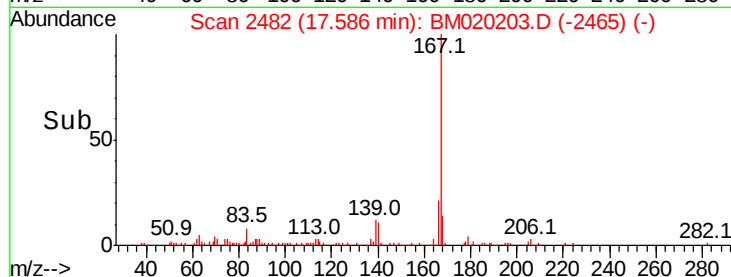
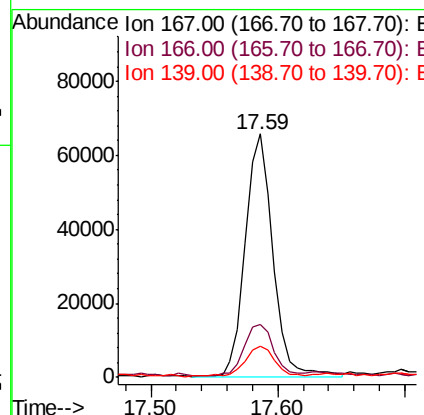
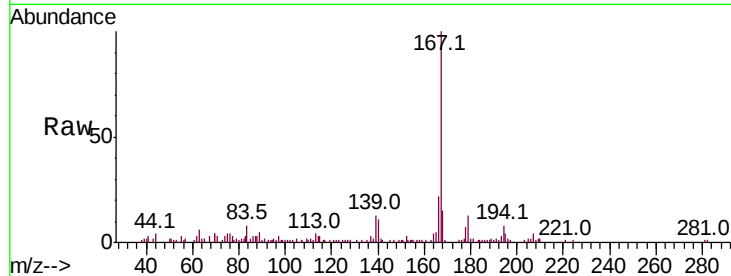
#73
 Carbazole
 Concen: 2.820 ng
 RT: 17.59 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	12.8	10.6	16.0

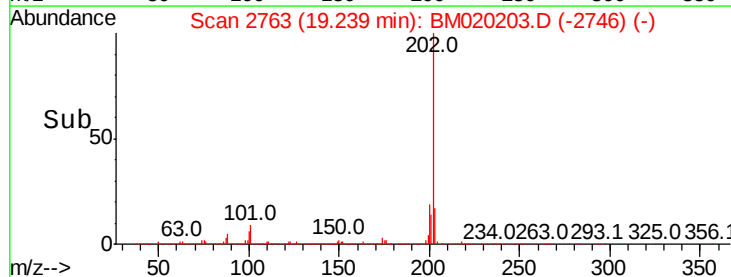
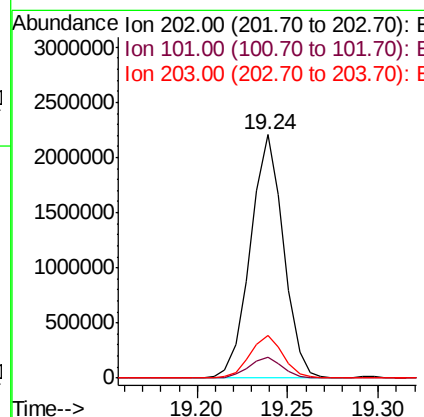
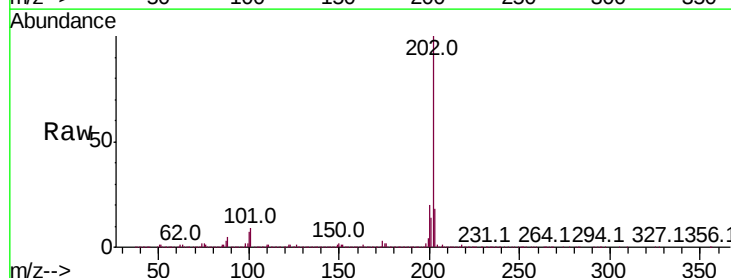
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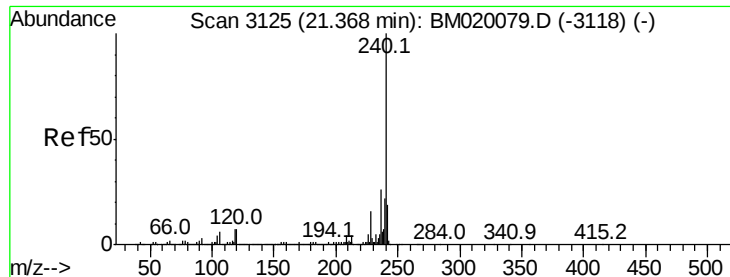
Sohil
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#75
 Fluoranthene
 Concen: 55.538 ng
 RT: 19.24 min Scan# 2763
 Delta R.T. -0.00 min
 Lab File: BM020203.D
 Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.4
203	17.5	0.0	37.4





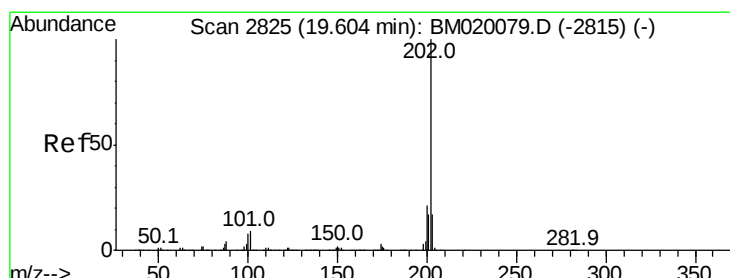
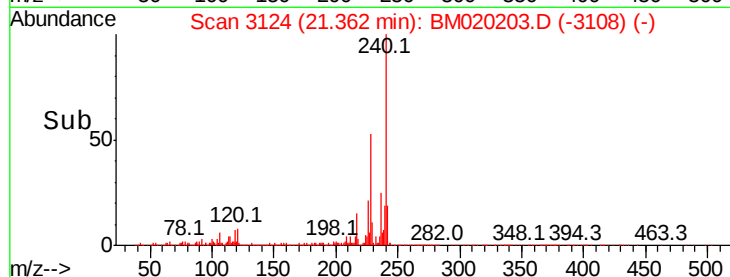
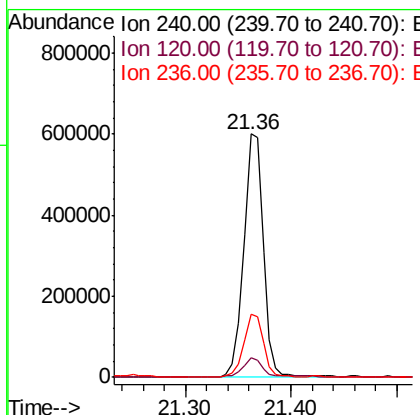
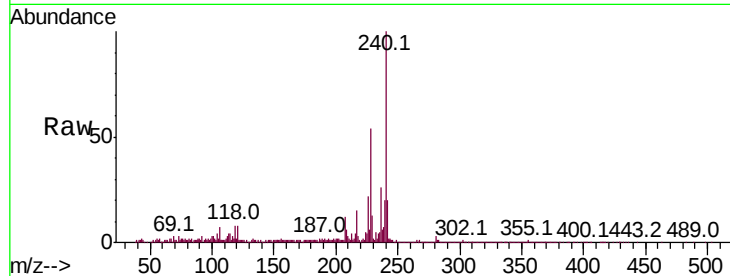
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.6	8.4
236	25.7	20.9	31.3

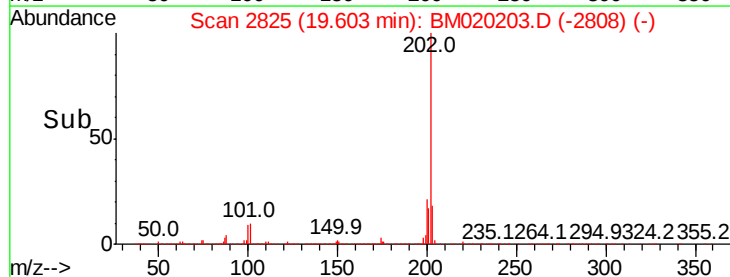
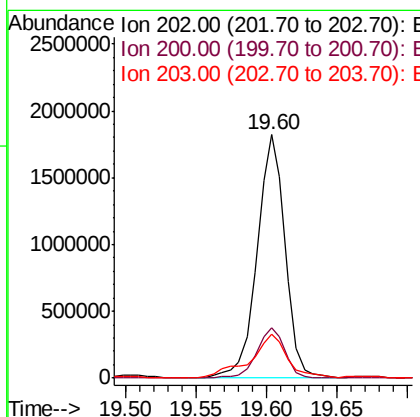
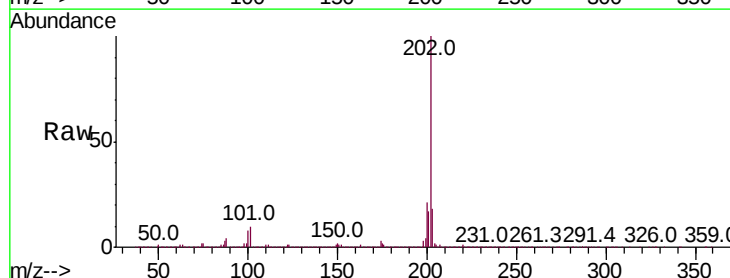
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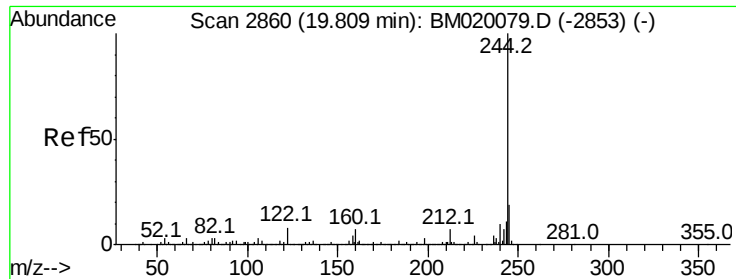
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#78
Pyrene
Concen: 49.539 ng
RT: 19.60 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.9	13.9	20.9





#79

Terphenyl-d14

Concen: 32.448 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-D

Tot Ion:244 Resp: 1417820

Ion Ratio Lower Upper

244 100

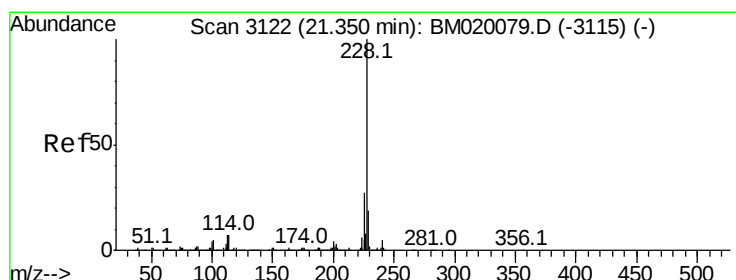
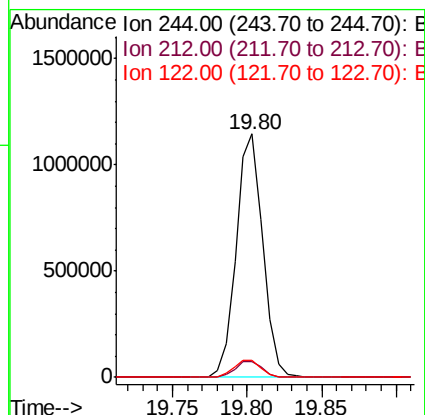
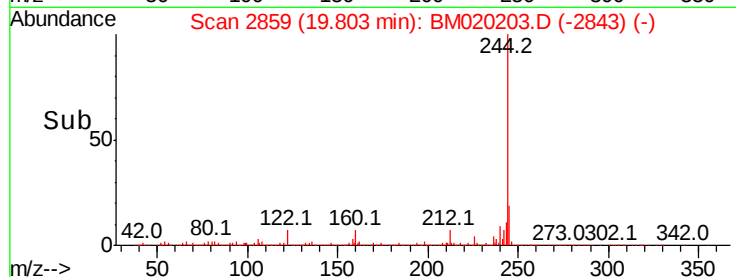
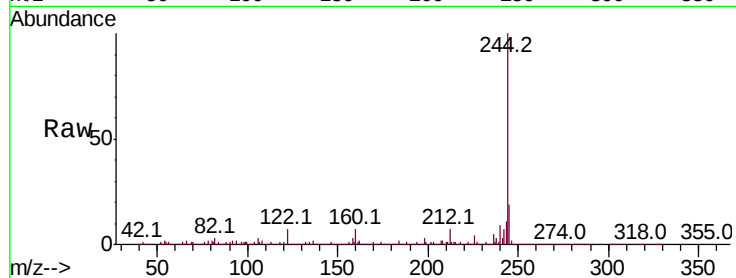
212 6.6 5.7 8.5

122 7.2 6.2 9.2

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 27.652 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

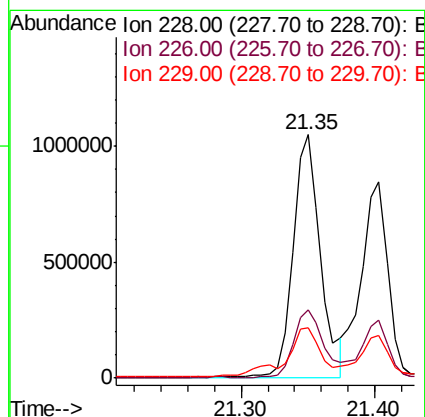
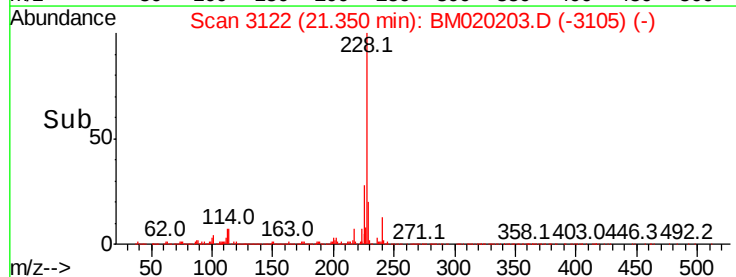
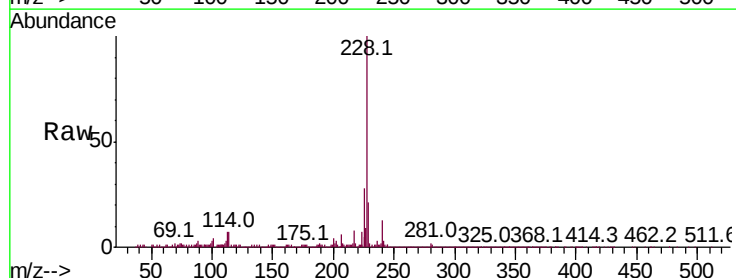
Tgt Ion:228 Resp: 1478008

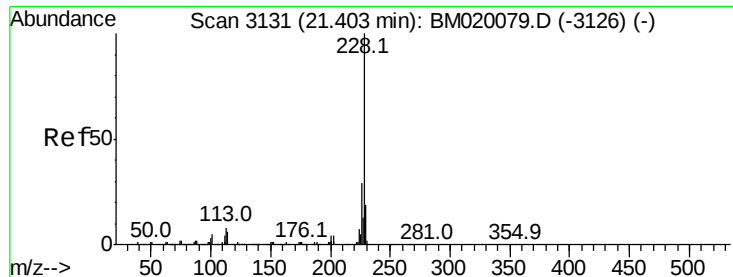
Ion Ratio Lower Upper

228 100

226 28.2 21.3 31.9

229 20.9 15.5 23.3





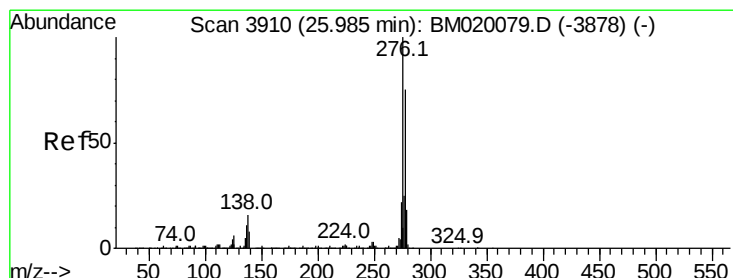
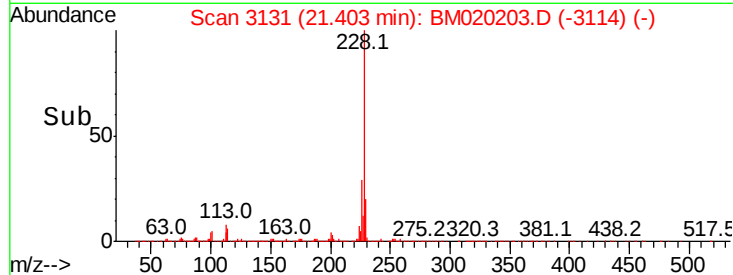
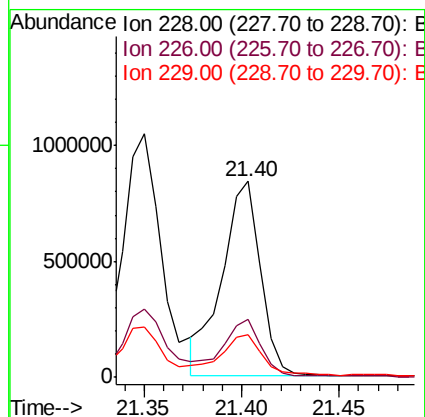
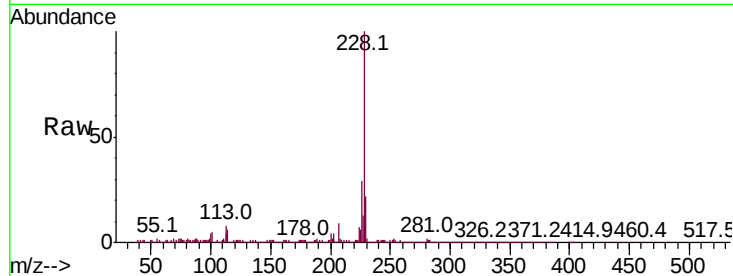
#83
Chrysene
Concen: 22.259 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleID :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	22.0	15.5	23.3

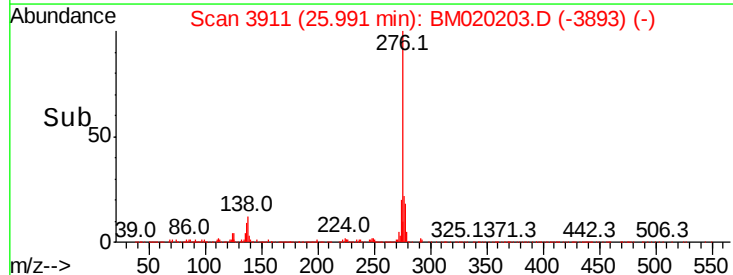
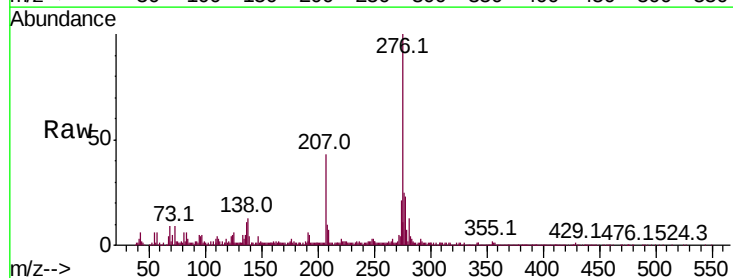
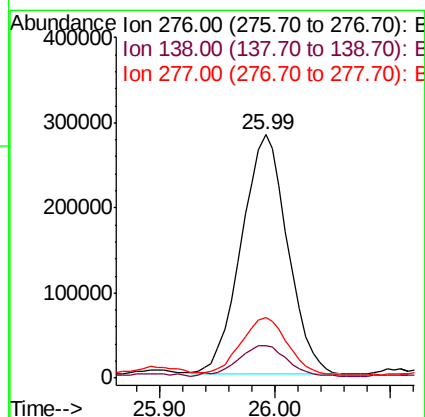
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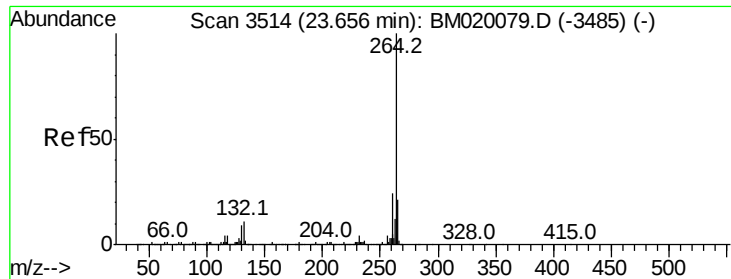
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.600 ng
RT: 25.99 min Scan# 3911
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.7	0.0	0.0#
277	24.8	0.0	0.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Instrument :

BNA_M

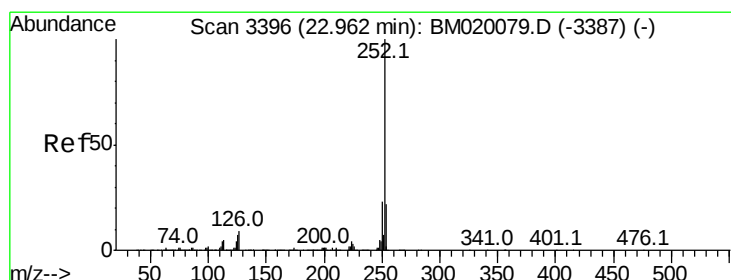
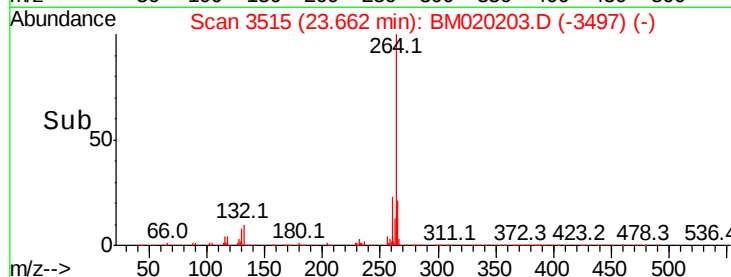
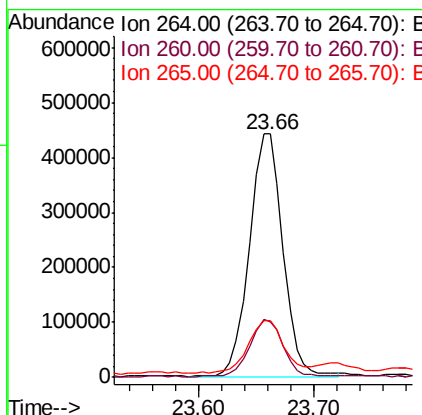
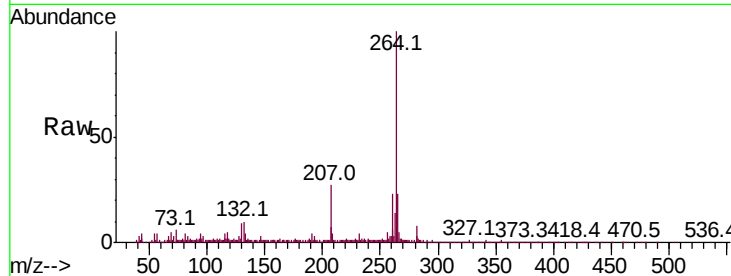
ClientSampleId :

CL-02-050719-D

Tot Ion:	264	Resp:	892633
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	23.2	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 26.121 ng m

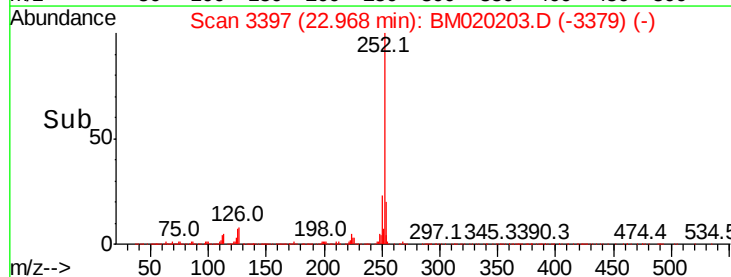
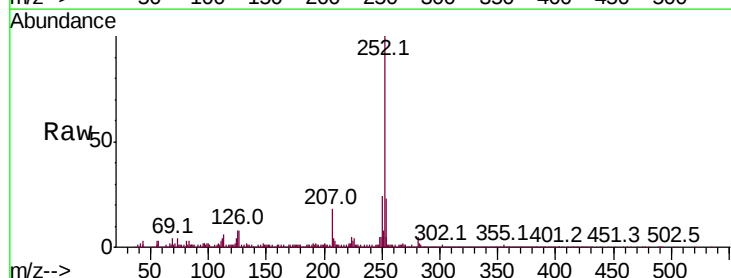
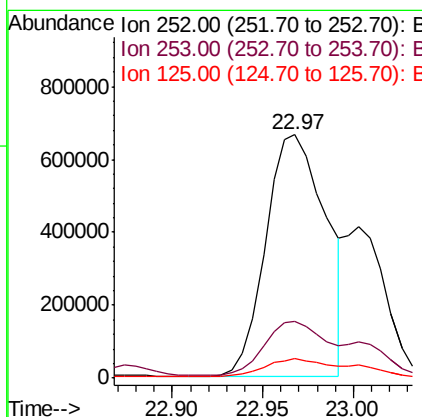
RT: 22.97 min Scan# 3397

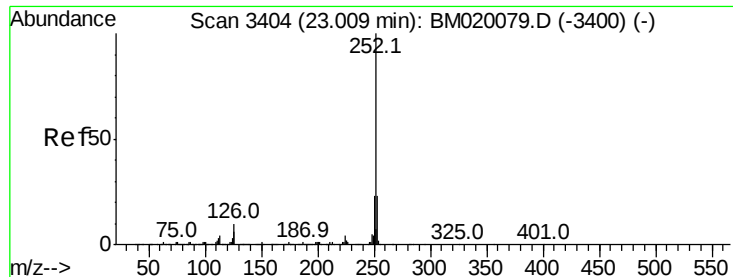
Delta R.T. 0.01 min

Lab File: BM020203.D

Acq: 08 May 2019 20:10

Tgt Ion:	252	Resp:	1539712
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	7.9	5.4	8.2





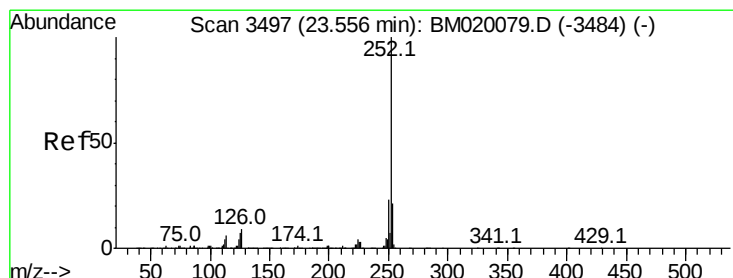
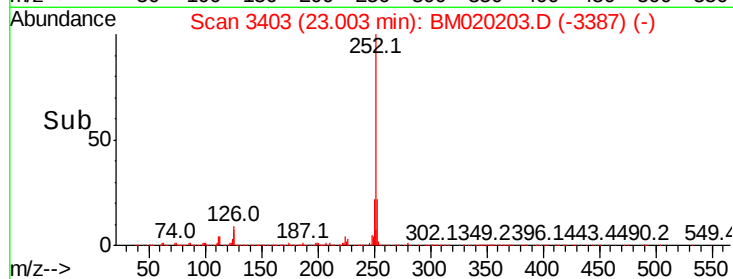
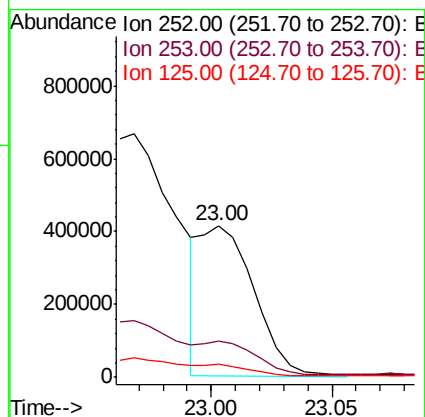
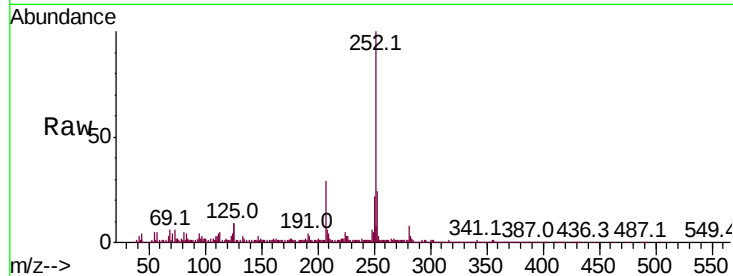
#89
Benzo(k)fluoranthene
Concen: 11.816 ng m
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	8.7	5.4	8.0

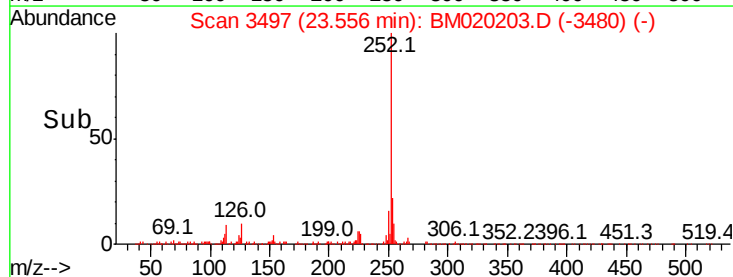
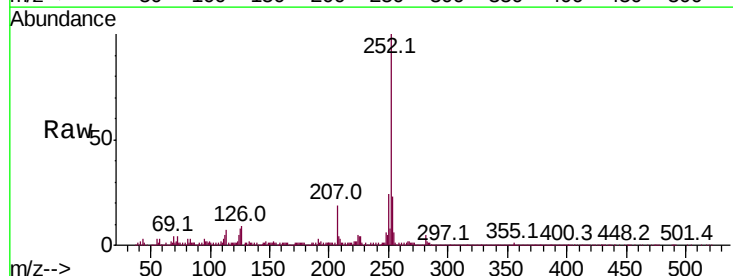
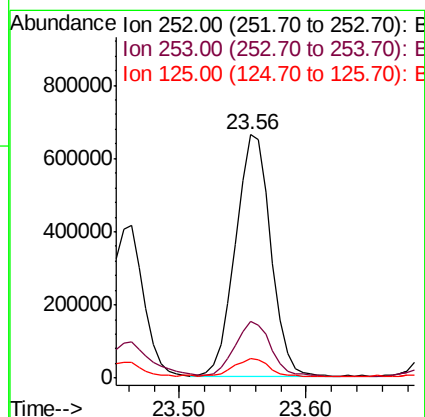
Manual Integrations
APPROVED

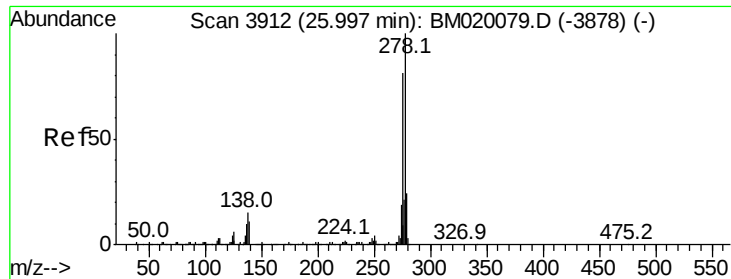
Sohil
5/9/2019 6:45:34 PM



#90
Benzo(a)pyrene
Concen: 23.560 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	8.0	5.5	8.3





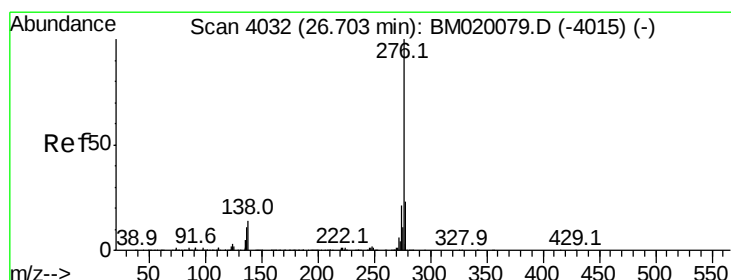
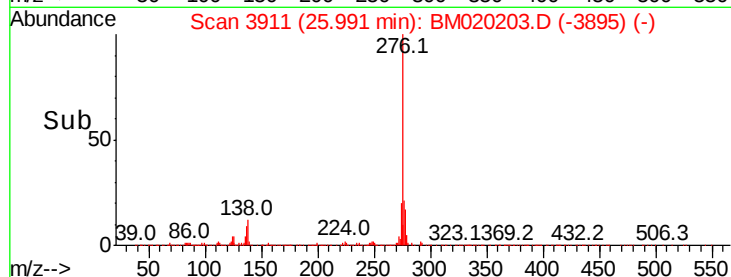
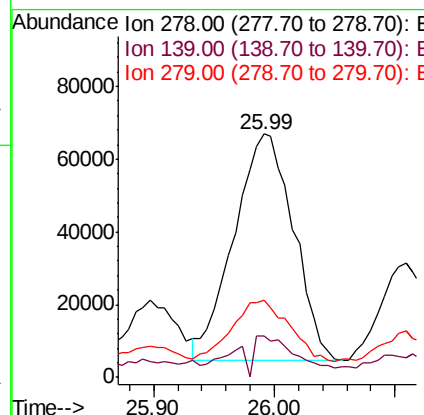
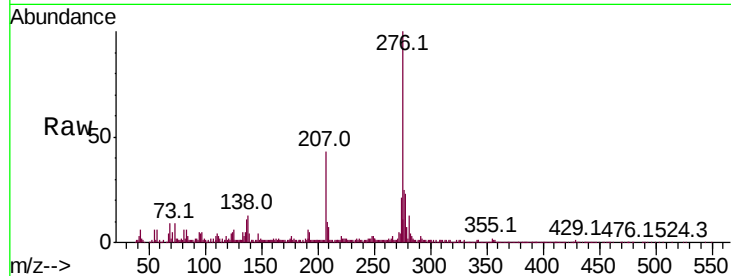
#91
Dibenzo(a,h)anthracene
Concen: 3.828 ng
RT: 25.99 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	8.6	13.0#
279	31.9	18.8	28.2#

Manual Integrations
APPROVED

Sohil
5/9/2019 6:45:34 PM



#92
Benzo(g,h,i)perylene
Concen: 13.678 ng
RT: 26.71 min Scan# 4034
Delta R.T. 0.01 min
Lab File: BM020203.D
Acq: 08 May 2019 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.4	27.6
138	15.1	11.1	16.7

