

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020163.D
 Acq On : 07 May 2019 10:39
 Operator : JU/SJ
 Sample : K2672-04 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-02-COMP

Manual Integrations
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Quant Time: May 07 11:43:15 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	7.80	152	181025	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	639191	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	369403	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	870060	20.00	ng	0.00
76) Chrysene-d12	21.37	240	868694	20.00	ng	0.00
87) Perylene-d12	23.67	264	1015460	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	76426	6.90	ng	0.01
7) Phenol-d6	6.96	99	105038	6.94	ng	0.01
23) Nitrobenzene-d5	8.96	82	60969	3.77	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	37286	6.50	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	131149	4.37	ng	0.00
79) Terphenyl-d14	19.81	244	203774	4.09	ng	0.00
Target Compounds						
49) Acenaphthylene	14.16	152	164527	4.235	ng	Qvalue 97
71) Phenanthrene	17.23	178	1460467	30.409	ng	99
72) Anthracene	17.32	178	488867	10.181	ng	99
75) Fluoranthene	19.25	202	3269780	53.808	ng	100
78) Pyrene	19.62	202	2683615	46.013	ng	99
81) Benzo(a)anthracene	21.36	228	1256770	20.629	ng	98
83) Chrysene	21.41	228	1073218	18.164	ng	96
86) Indeno(1,2,3-cd)pyrene	26.01	276	473103	6.732	ng	# 100
88) Benzo(b)fluoranthene	22.98	252	1200797	17.907	ng	# 95
89) Benzo(k)fluoranthene	23.02	252	396498m	6.482	ng	
90) Benzo(a)pyrene	23.57	252	803836	13.197	ng	96
92) Benzo(a,h,i)perylene	26.74	276	473494	7.874	ng	96

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

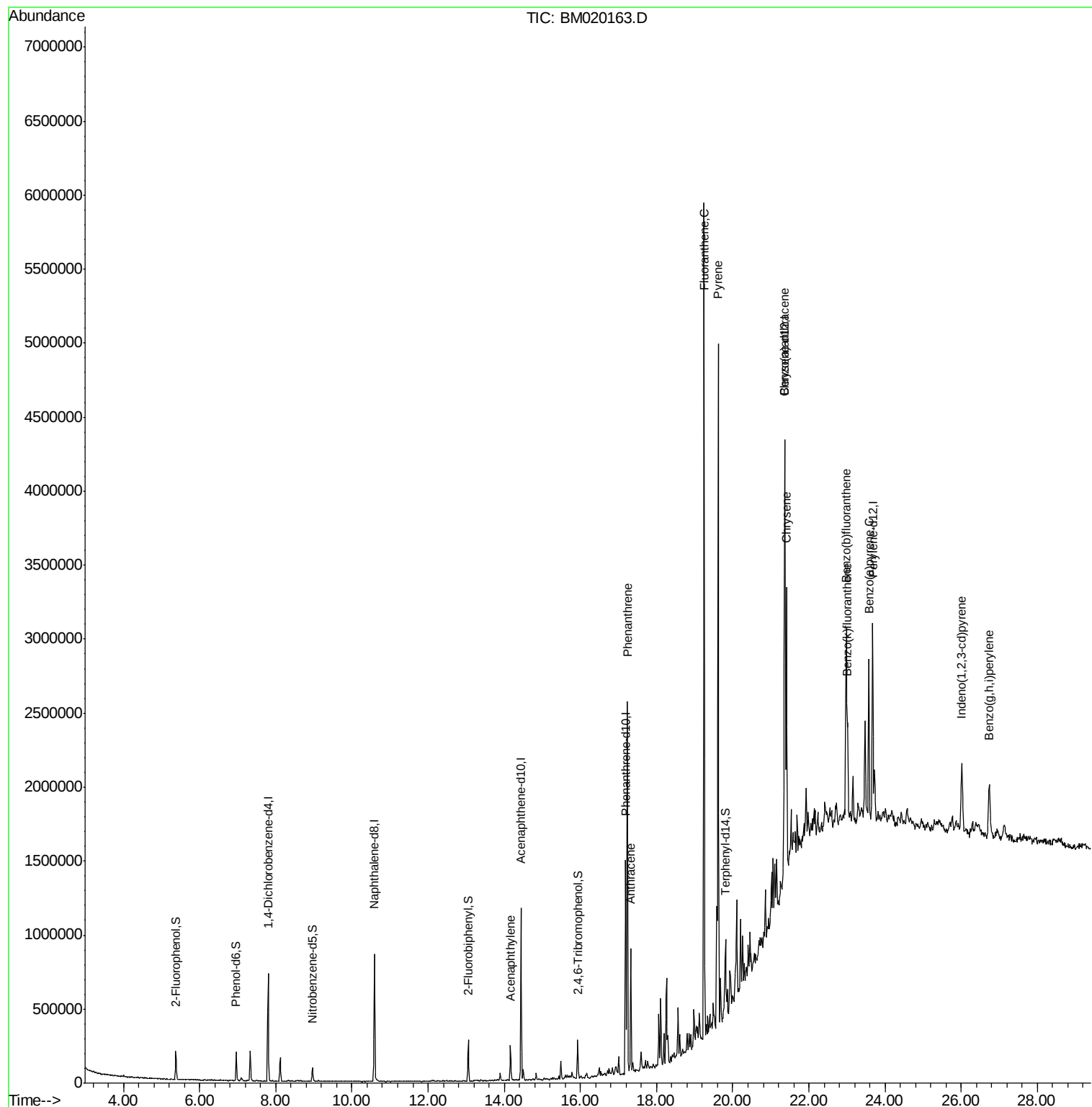
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020163.D
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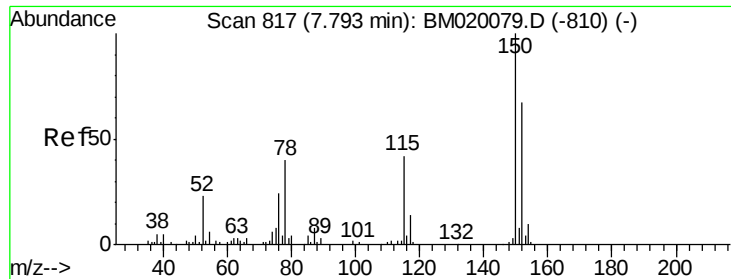
Instrument :
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#1

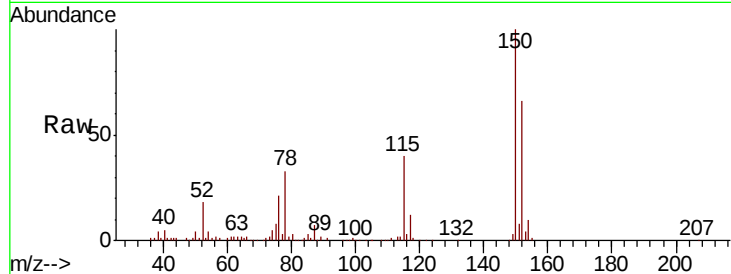
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	119.8	179.8
115	61.3	50.8	76.2

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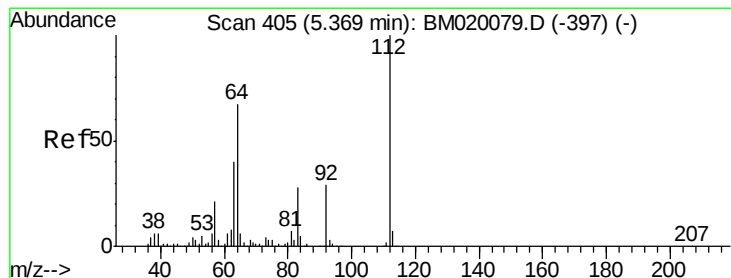
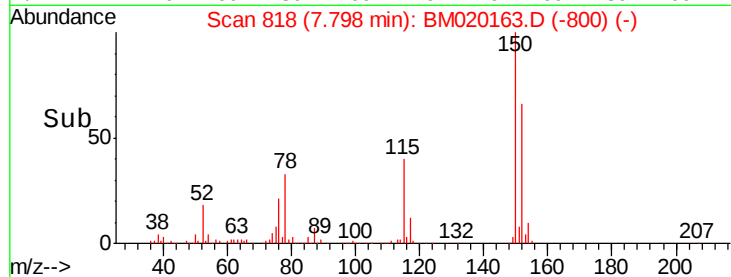
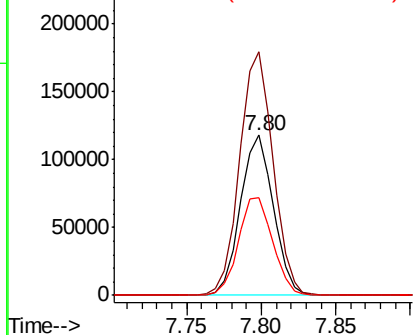


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

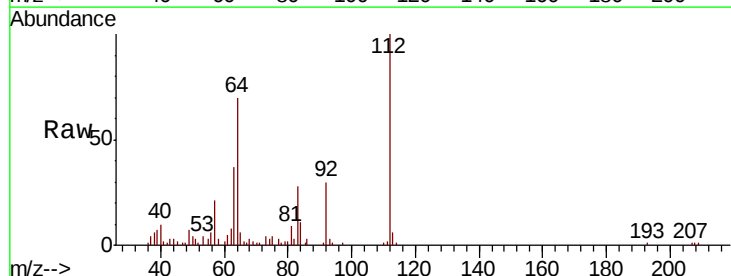
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.901 ng
RT: 5.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	53.8	80.6
63	37.2	32.3	48.5

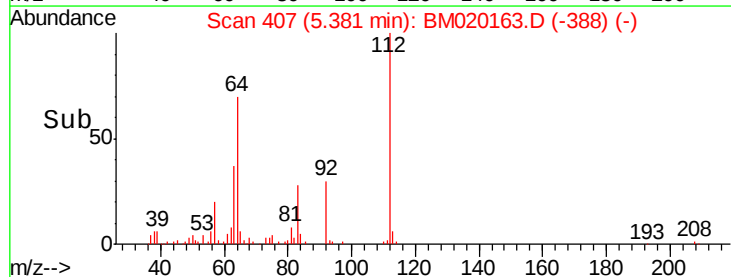
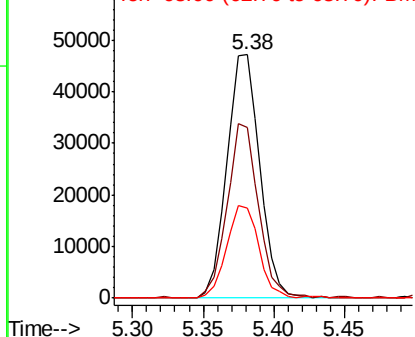


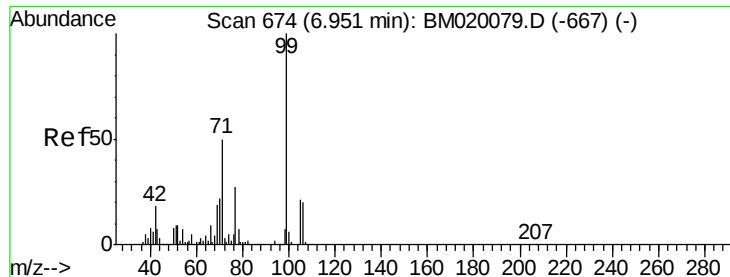
Abundance

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: 6.943 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Instrument :

BNA_M

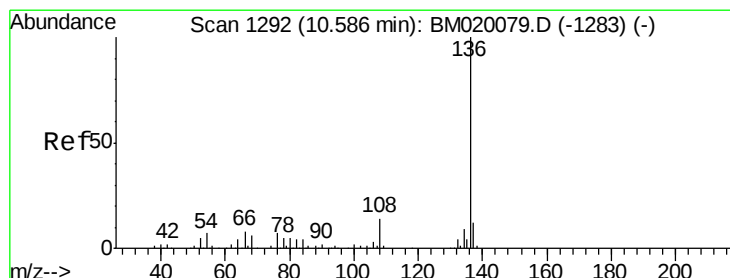
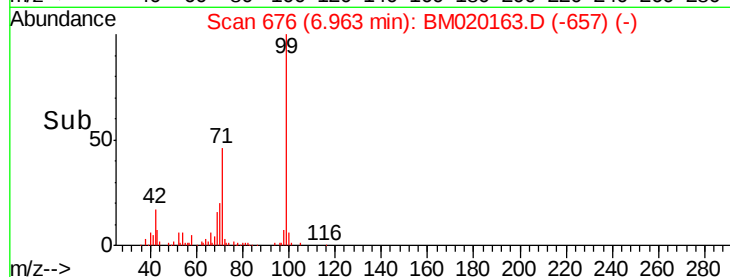
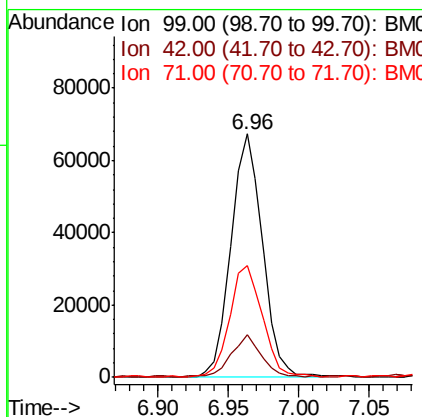
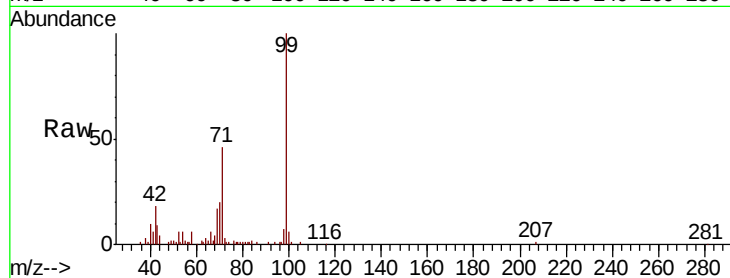
ClientSampleId :

SB-02-COMP

Tot Ion:	99	Resp:	105038
Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.2	21.2
71	45.9	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

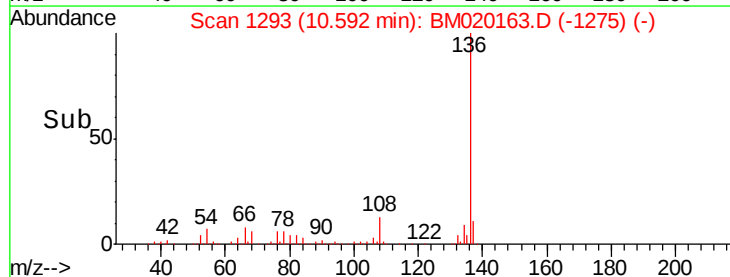
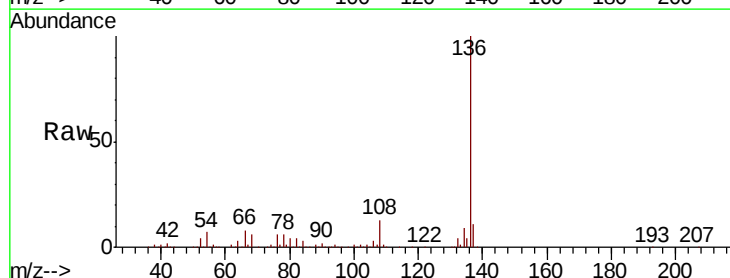
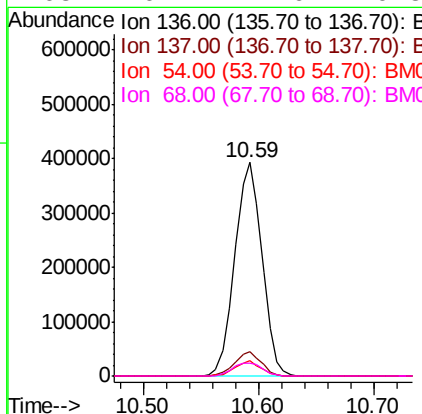
RT: 10.59 min Scan# 1293

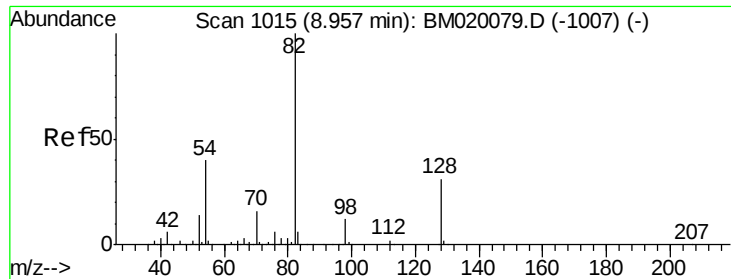
Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Tgt Ion:	136	Resp:	639191
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.6	14.4
54	7.0	5.5	8.3
68	6.2	4.6	6.8





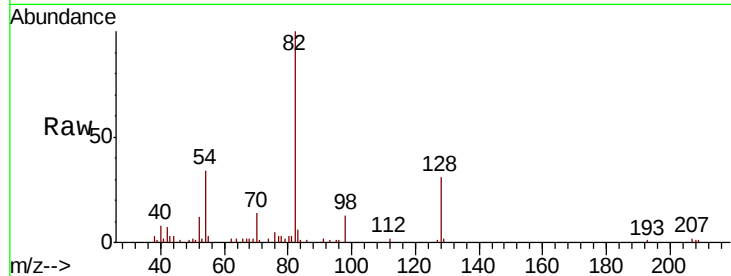
#23
Nitrobenzene-d5
Concen: 3.766 ng
RT: 8.96 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.7	25.2	37.8
54	34.2	31.9	47.9

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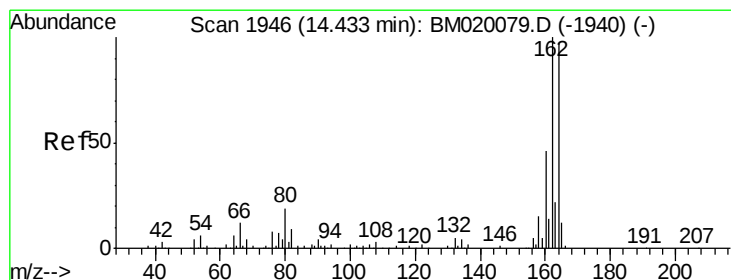
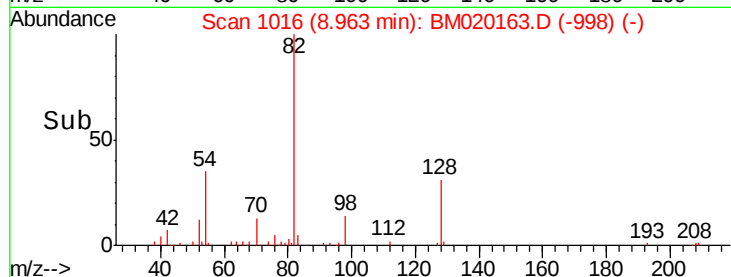
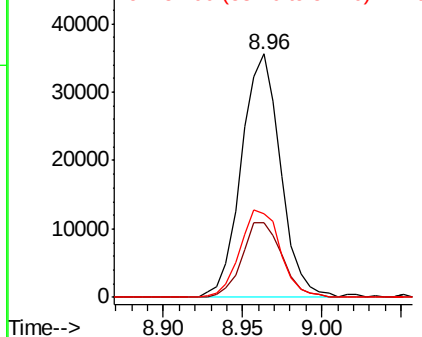


Abundance

Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

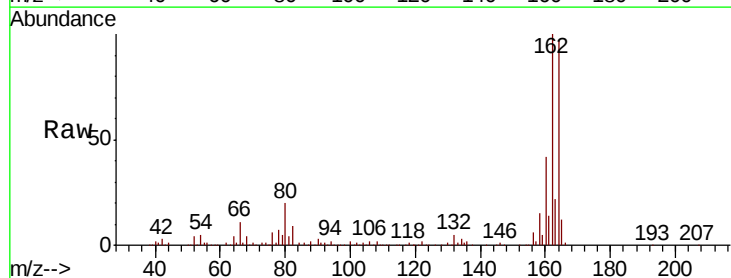
Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1007) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.2	123.2
160	43.1	37.6	56.4

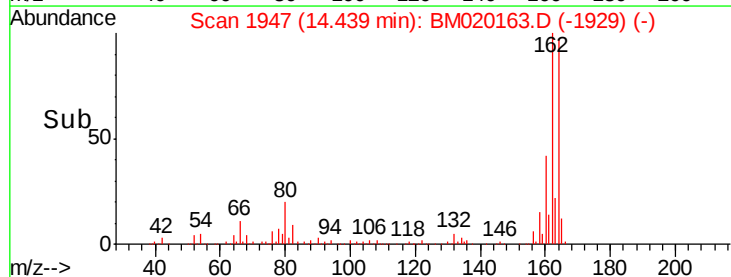
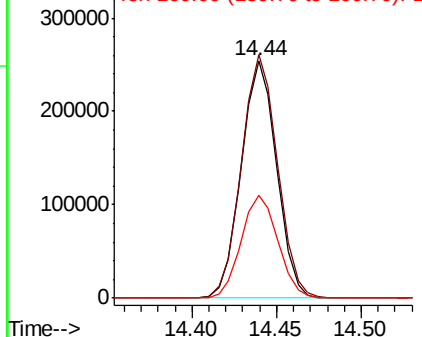


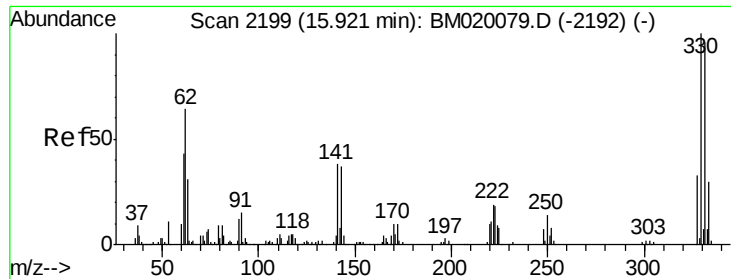
Abundance

Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)

Ion 162.00 (161.70 to 162.70): BM020079.D (-1940) (-)

Ion 160.00 (159.70 to 160.70): BM020079.D (-1940) (-)





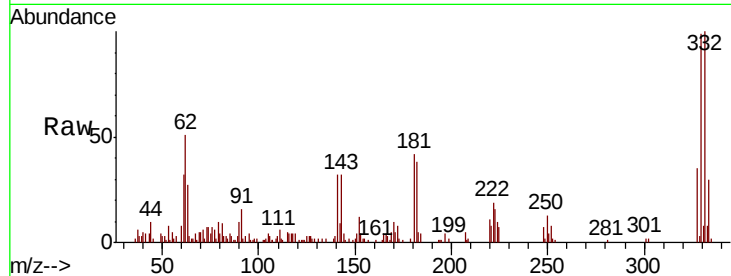
#42
 2,4,6-Tribromophenol
 Concen: 6.503 ng
 RT: 15.93 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BM020163.D
 Acq: 07 May 2019 10:39

Instrument :
 BNA_M
 ClientSampleId :
 SB-02-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.3	76.8	115.2	
141	37.5	29.2	43.8	

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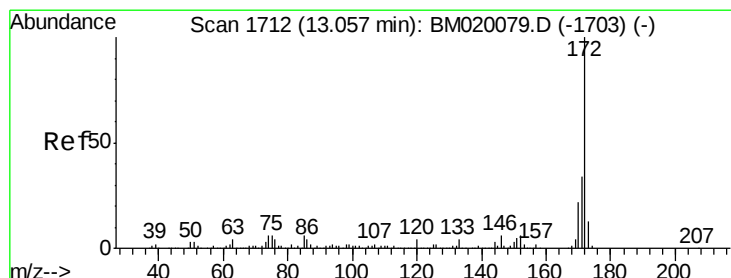
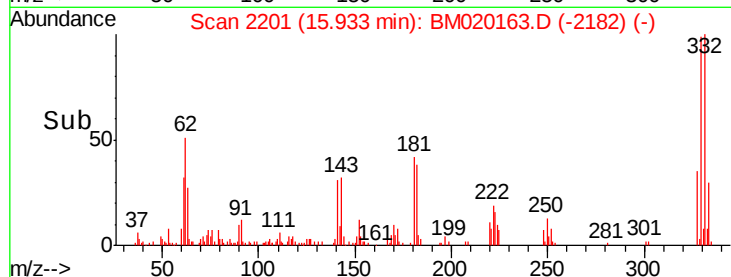
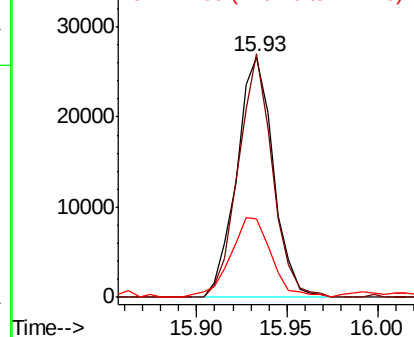


Abundance

Ion 329.80 (329.50 to 330.50): E

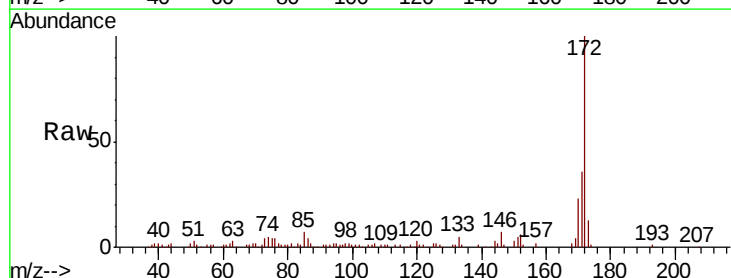
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 4.368 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM020163.D
 Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	27.3	40.9	
170	23.3	17.9	26.9	

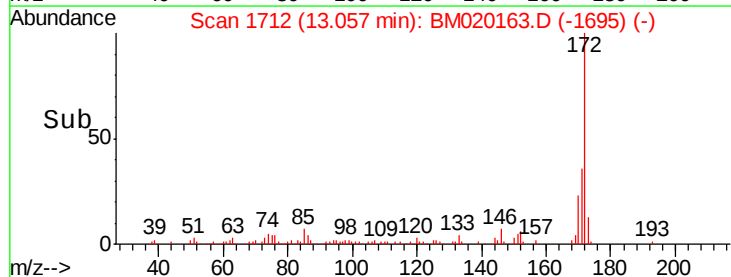
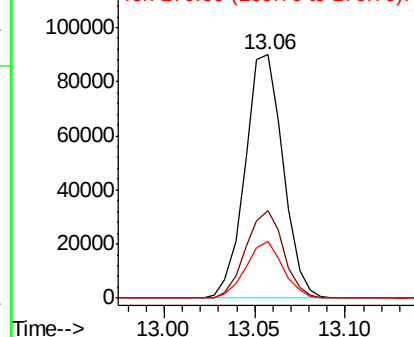


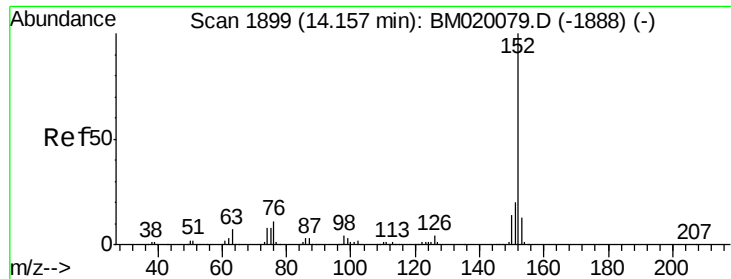
Abundance

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





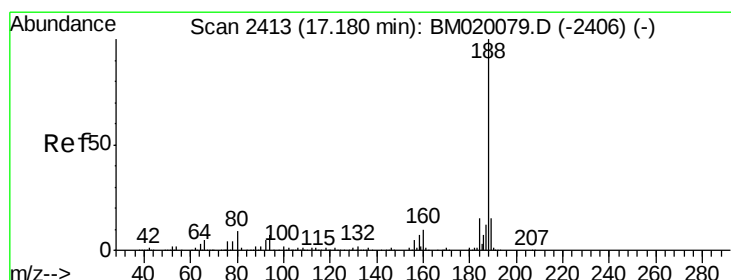
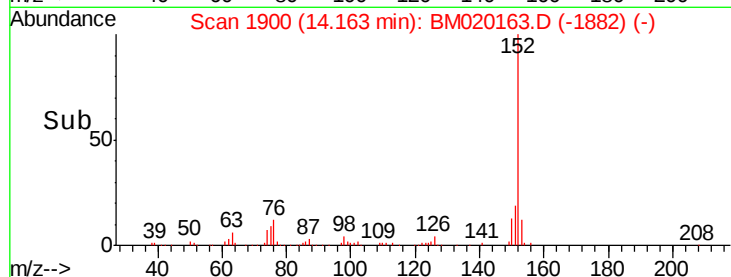
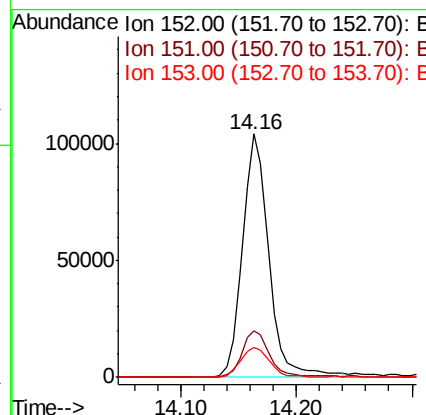
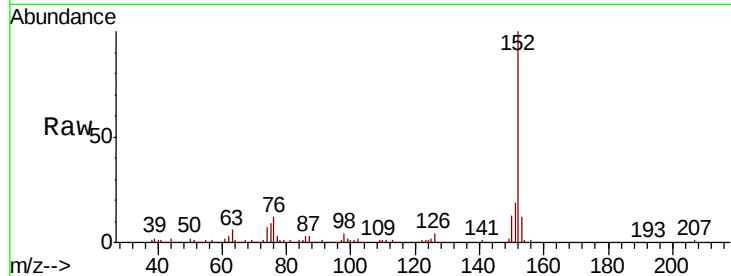
#49
Acenaphthylene
Concen: 4.235 ng
RT: 14.16 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	18.9	16.2	24.2
153	12.0	10.6	16.0

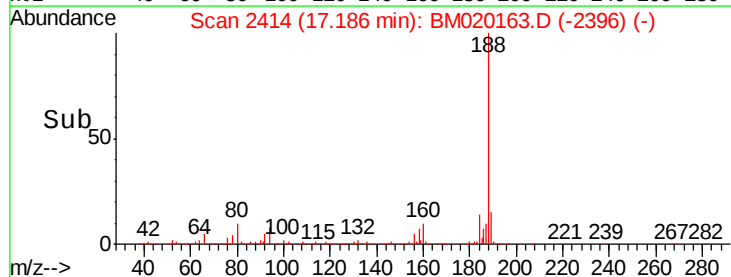
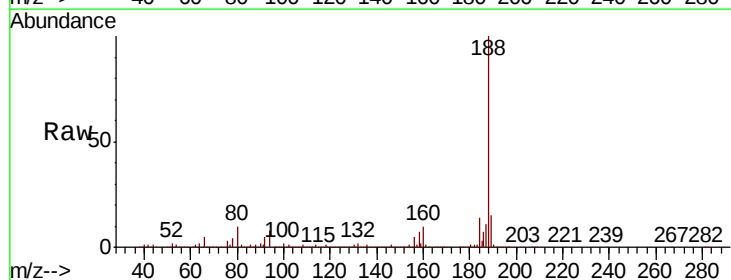
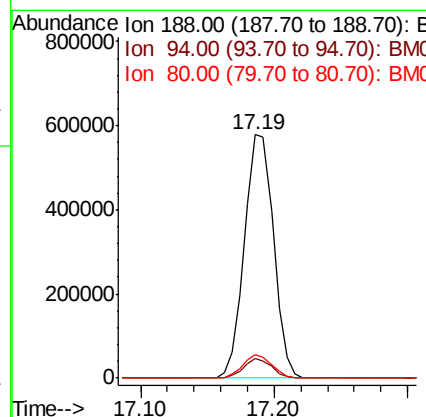
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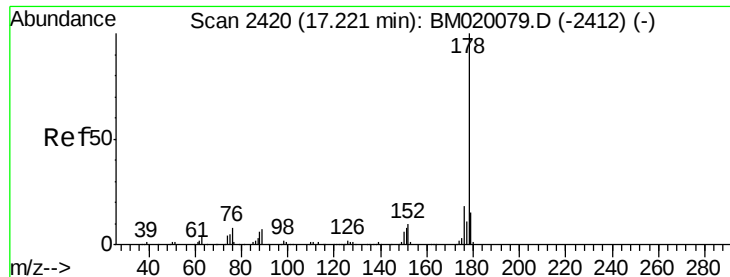
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	5.8	8.6
80	9.9	7.4	11.2





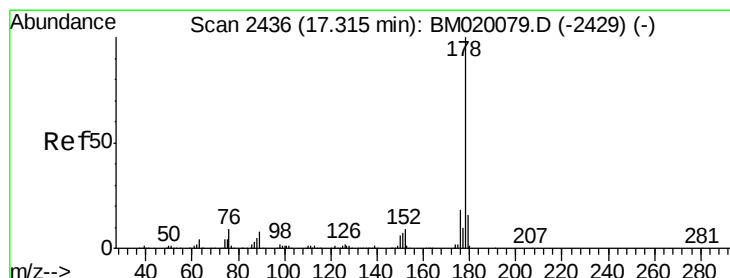
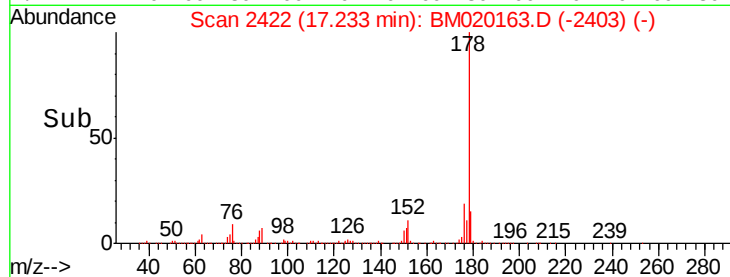
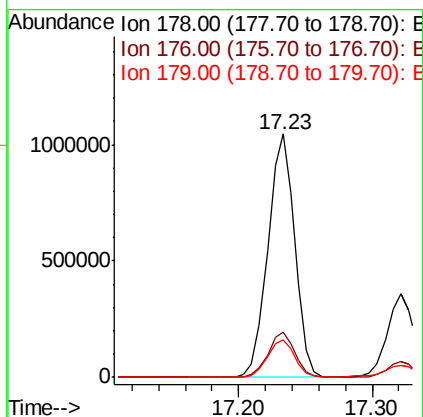
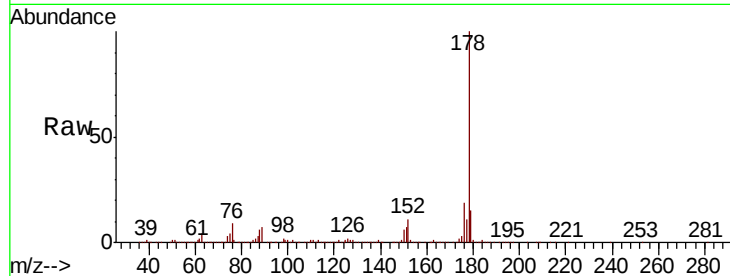
#71
Phenanthrene
Concen: 30.409 ng
RT: 17.23 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.2	12.4	18.6

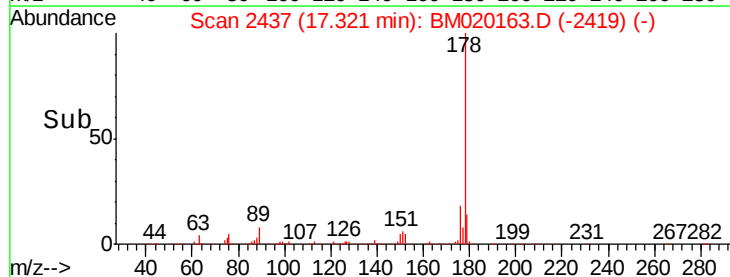
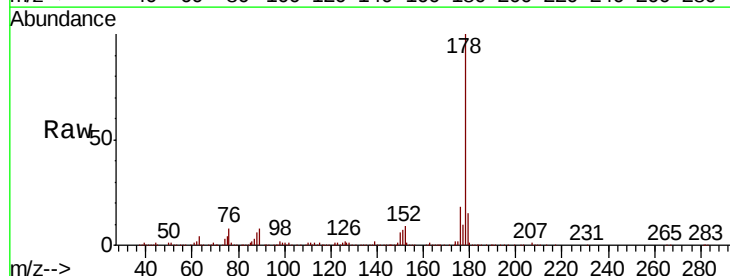
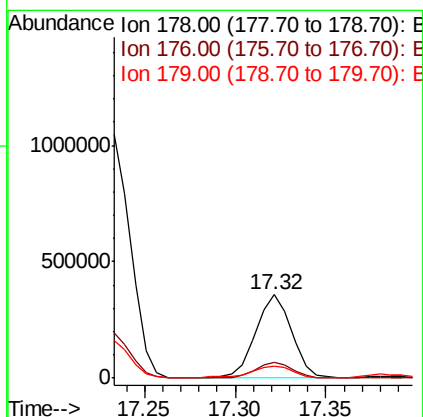
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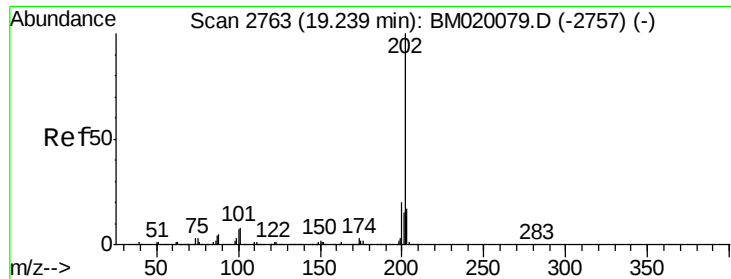
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#72
Anthracene
Concen: 10.181 ng
RT: 17.32 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.1	12.4	18.6





#75

Fluoranthene

Concen: 53.808 ng

RT: 19.25 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Instrument :

BNA_M

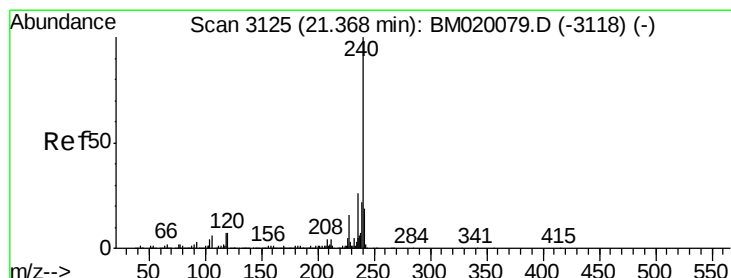
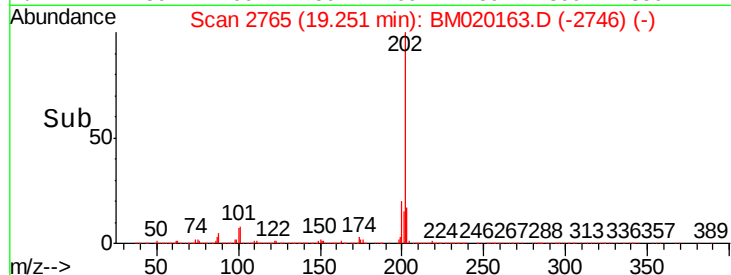
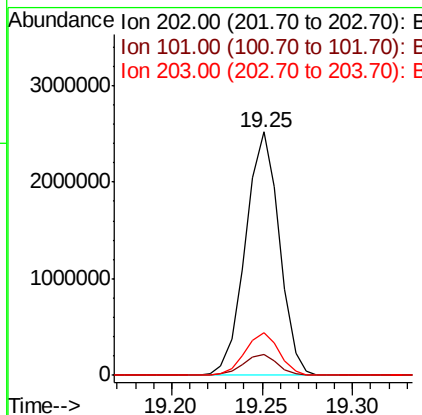
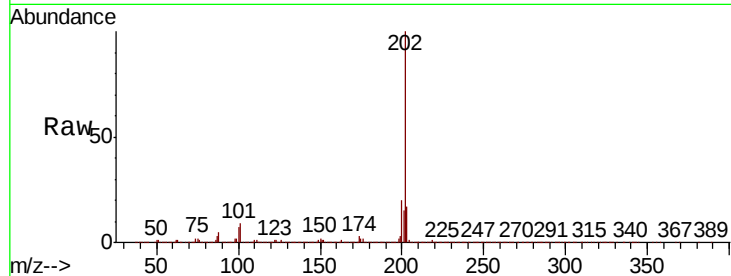
ClientSampleId :

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Tot Ion:	202	Resp:	3269780
Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

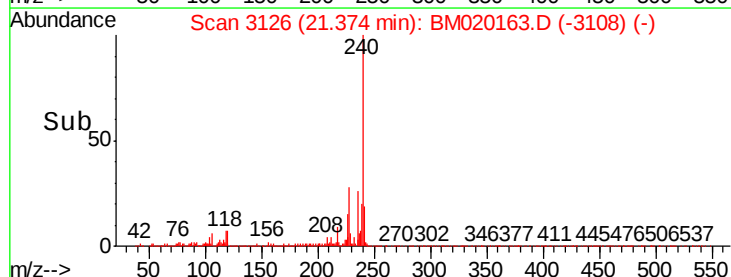
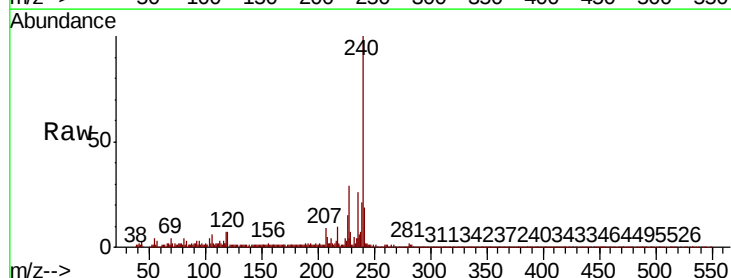
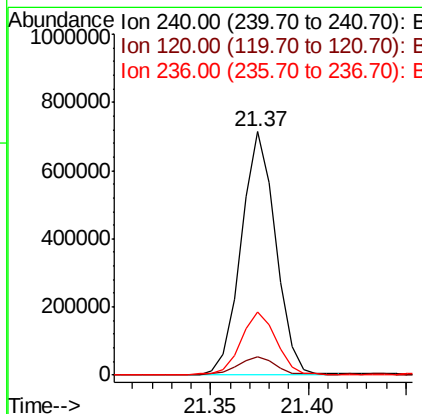
RT: 21.37 min Scan# 3126

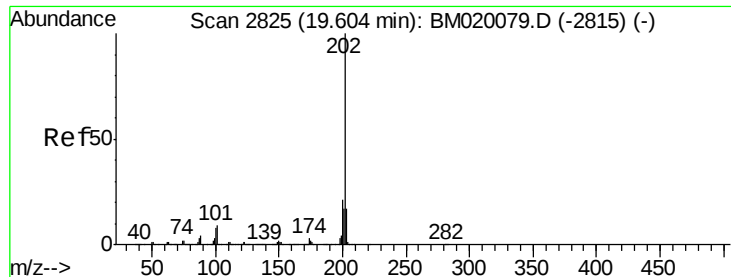
Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Tgt Ion:	240	Resp:	868694
Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.6	8.4
236	26.1	20.9	31.3





#78

Pvrene

Concen: 46.013 ng

RT: 19.62 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Instrument :

BNA_M

ClientSampleId :

SB-02-COMP

Tot Ion:202 Resp: 2683615

Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

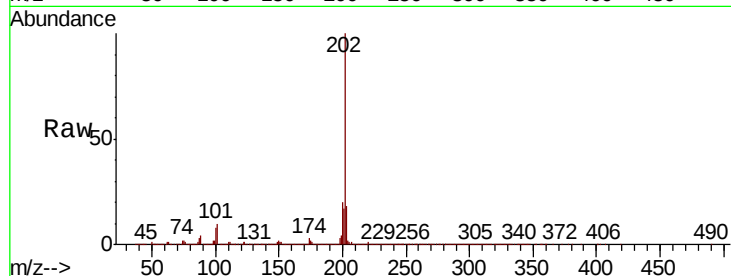
203 17.6 13.9 20.9

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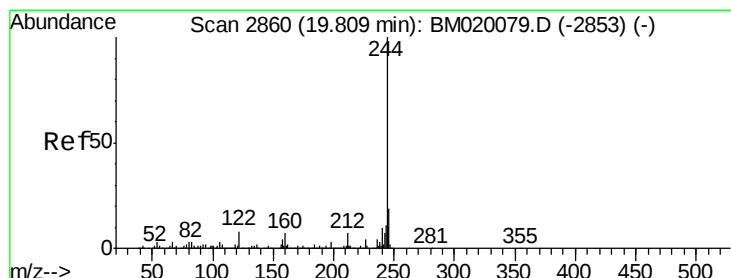
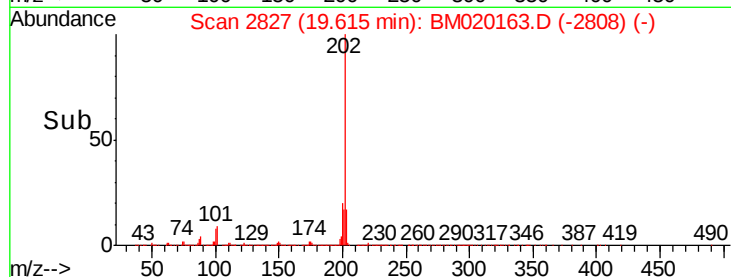
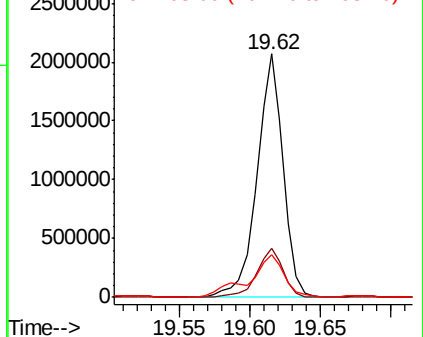


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 4.092 ng

RT: 19.81 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

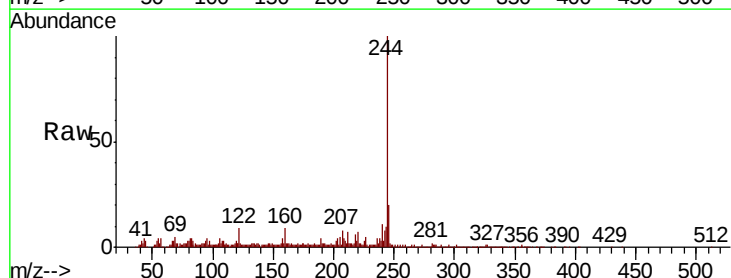
Tgt Ion:244 Resp: 203774

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 9.0 6.2 9.2

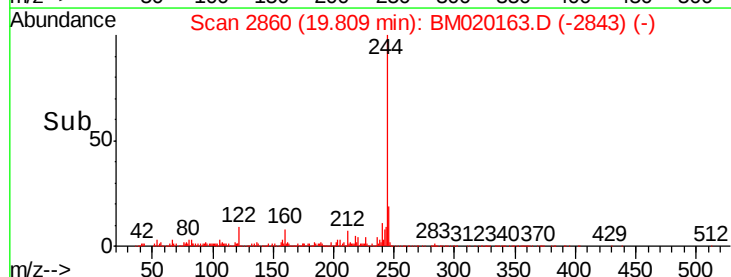
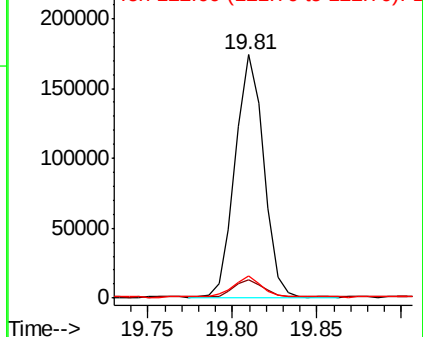


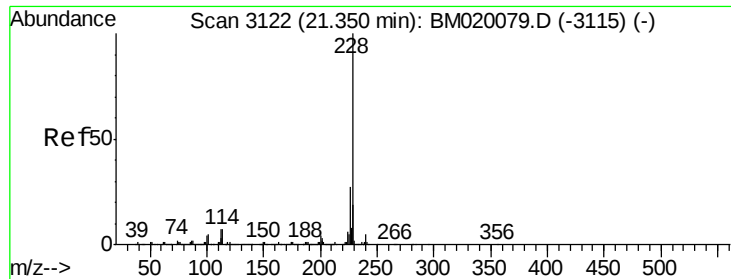
Abundance

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: 20.629 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Instrument :

BNA_M

ClientSampleId :

SB-02-COMP

Tot Ion:228 Resp: 1256770

Ion Ratio Lower Upper

228 100

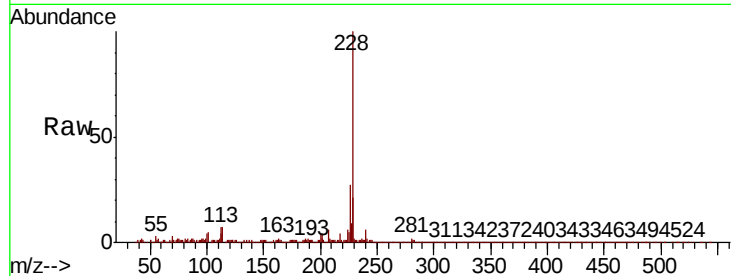
226 27.0 21.3 31.9

229 20.8 15.5 23.3

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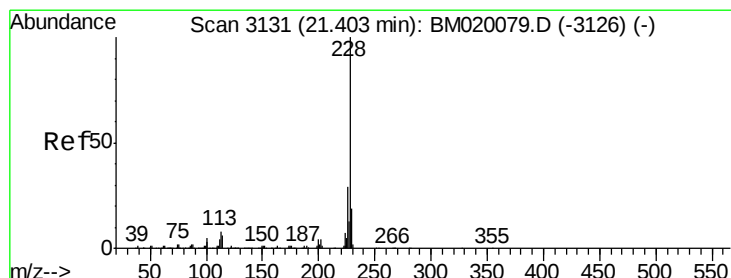
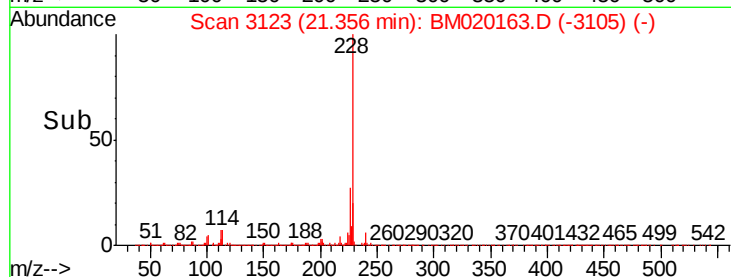
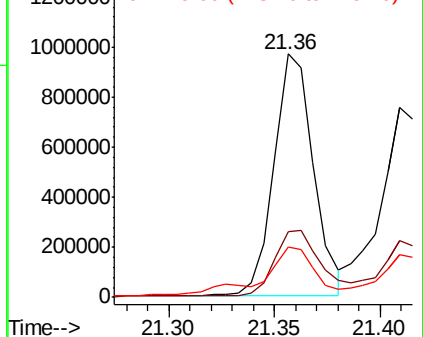


Abundance

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



#83

Chrysene

Concen: 18.164 ng

RT: 21.41 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BM020163.D

Acq: 07 May 2019 10:39

Tgt Ion:228 Resp: 1073218

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.6

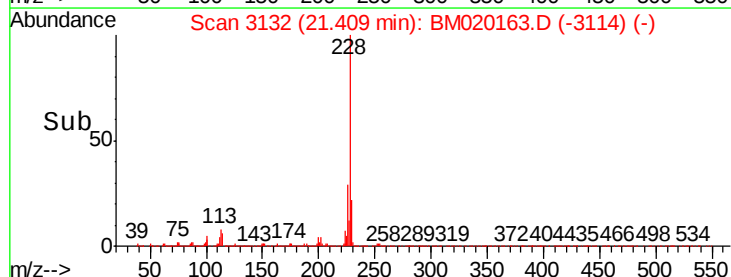
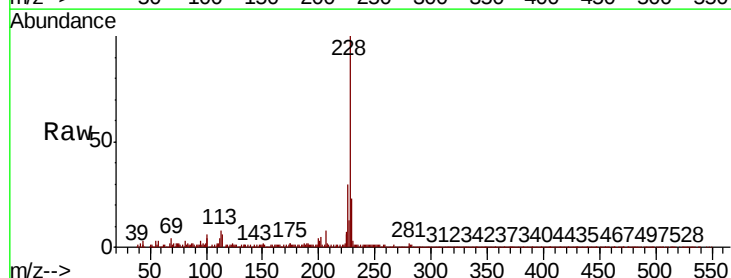
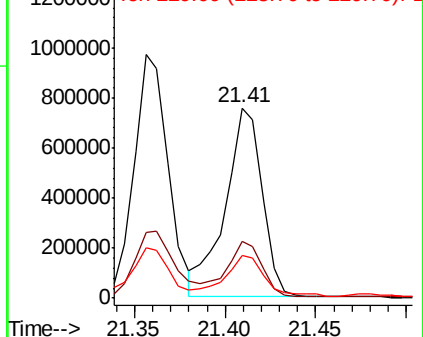
229 22.7 15.5 23.3

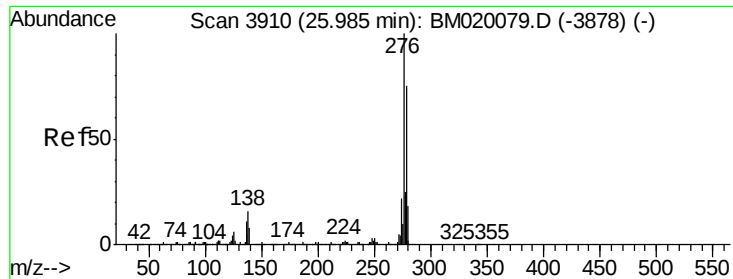
Abundance

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





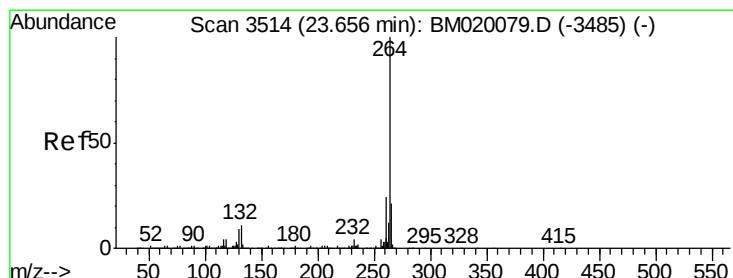
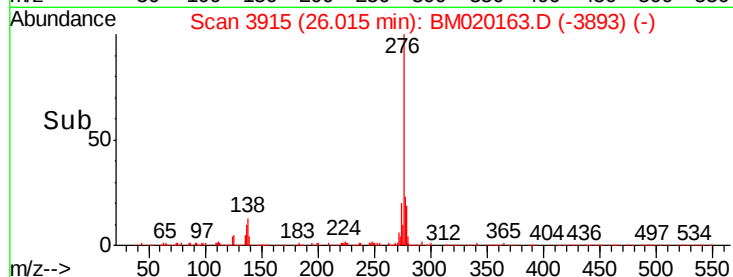
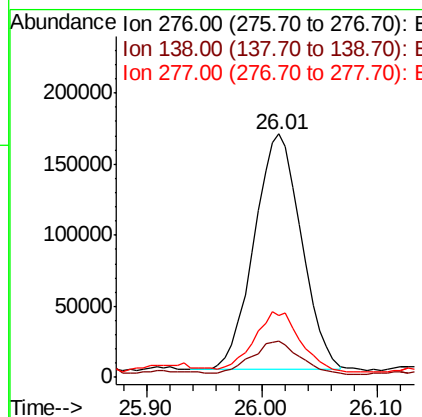
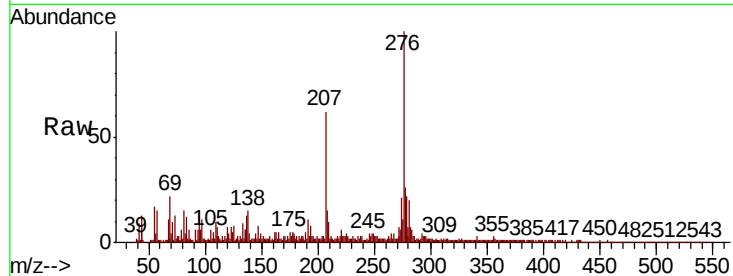
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.732 ng
RT: 26.01 min Scan# 3915
Delta R.T. 0.03 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	0.0	0.0#
277	24.1	0.0	0.0#

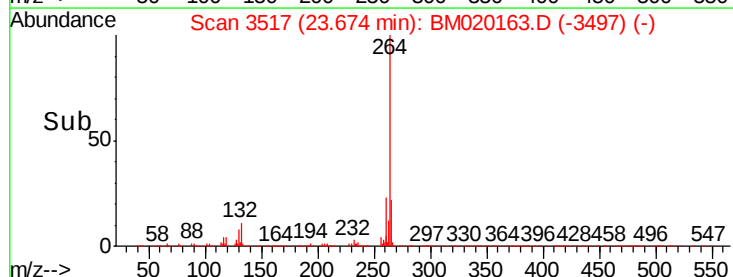
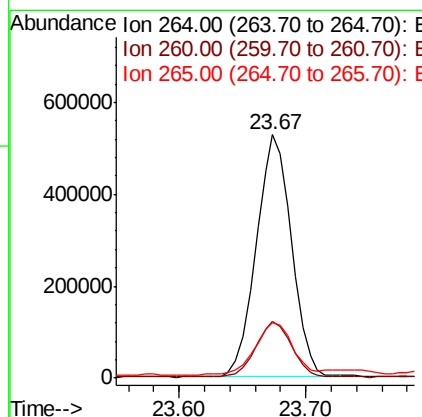
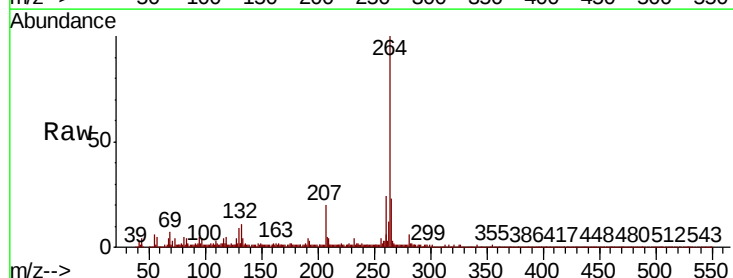
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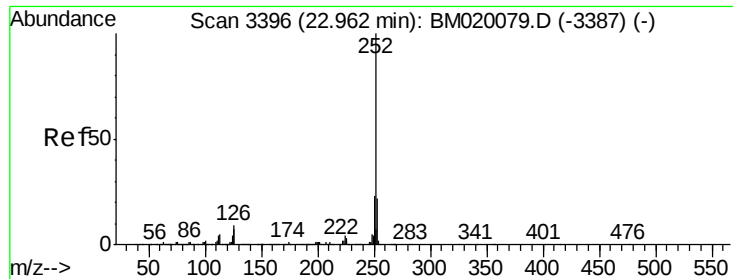
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.67 min Scan# 3517
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.9	16.9	25.3





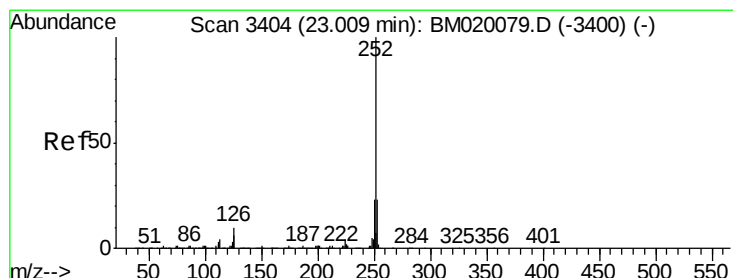
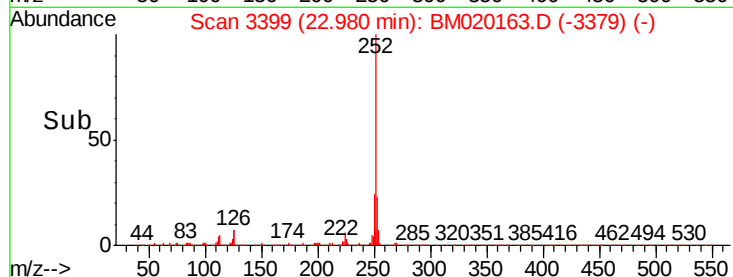
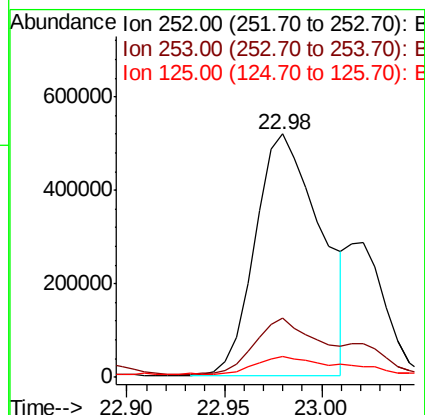
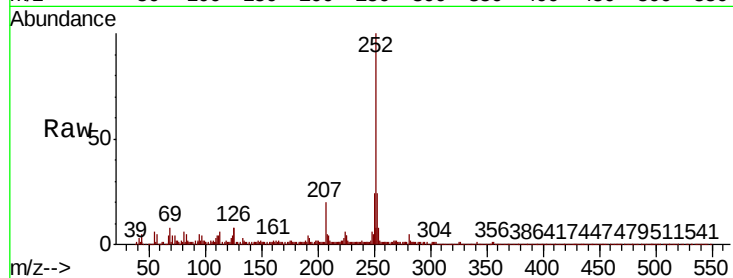
#88
Benzo(b)fluoranthene
Concen: 17.907 ng
RT: 22.98 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	8.4	5.4	8.2

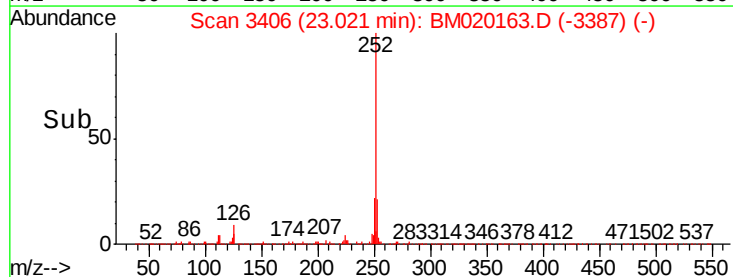
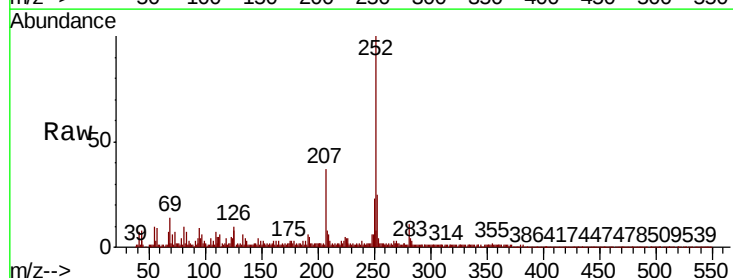
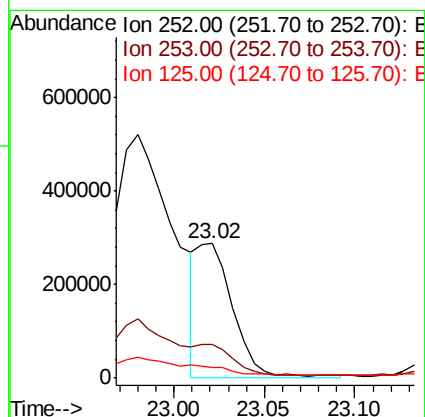
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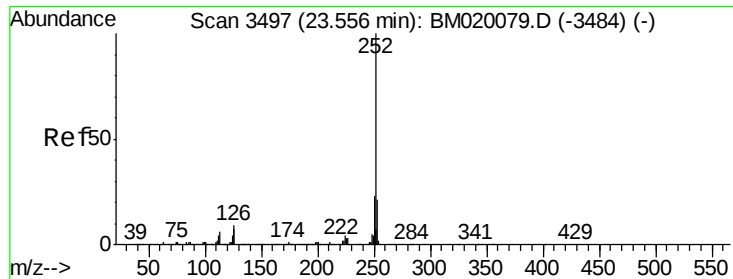
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.482 ng m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	8.1	5.4	8.0





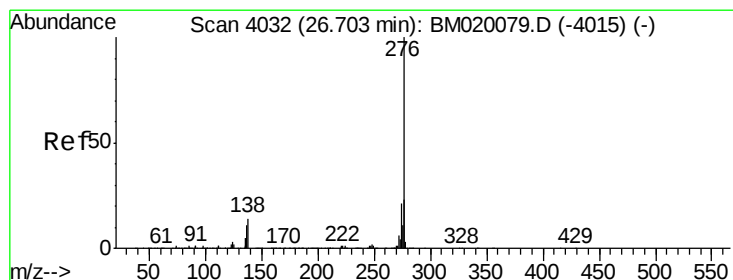
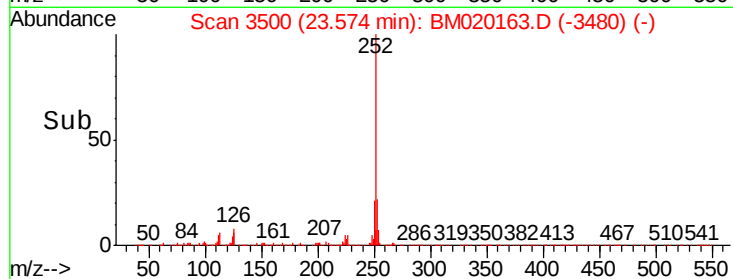
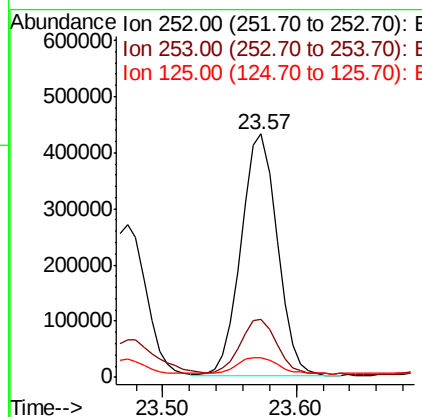
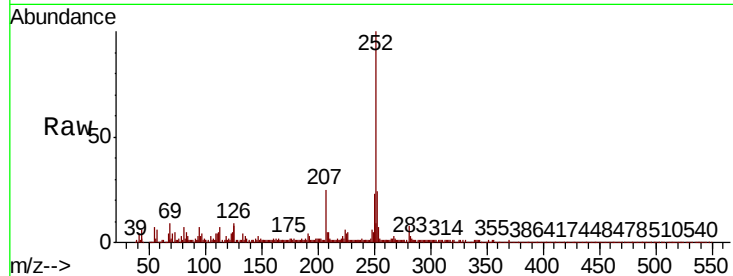
#90
Benzo(a)pyrene
Concen: 13.197 ng
RT: 23.57 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Instrument :
BNA_M
ClientSampleId :
SB-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	8.0	5.5	8.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 7.874 ng
RT: 26.74 min Scan# 4038
Delta R.T. 0.04 min
Lab File: BM020163.D
Acq: 07 May 2019 10:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.4	27.6
138	15.3	11.1	16.7

