

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020160.D
 Acq On : 07 May 2019 08:50
 Operator : JU/SJ
 Sample : K2673-14 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-17-COMP

Manual Integrations
 APPROVED

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 5/7/2019 3:12:18 PM

Quant Time: May 07 11:33:06 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	162815	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	600733	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	355884	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	828611	20.00	ng	0.00
76) Chrysene-d12	21.37	240	829159	20.00	ng	0.00
87) Perylene-d12	23.67	264	962248	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	278212	27.93	ng	0.00
7) Phenol-d6	6.96	99	391371	28.76	ng	0.01
23) Nitrobenzene-d5	8.96	82	255630	16.80	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	159384	28.85	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	527191	18.23	ng	0.00
79) Terphenyl-d14	19.81	244	798229	16.79	ng	0.00
Target Compounds						
49) Acenaphthylene	14.16	152	76532	2.045	ng	Qvalue 100
50) Dimethylphthalate	13.89	163	86691	2.866	ng	# 99
71) Phenanthrene	17.23	178	514018	11.238	ng	99
72) Anthracene	17.32	178	179915	3.934	ng	98
75) Fluoranthene	19.24	202	1174319	20.291	ng	100
78) Pyrene	19.61	202	1049177	18.847	ng	99
81) Benzo(a)anthracene	21.36	228	687263	11.819	ng	97
83) Chrysene	21.41	228	585720	10.386	ng	96
86) Indeno(1,2,3-cd)pyrene	26.01	276	487752	7.271	ng	# 100
88) Benzo(b)fluoranthene	22.98	252	985661m	15.512	ng	
89) Benzo(k)fluoranthene	23.02	252	287526m	4.961	ng	
90) Benzo(a)pyrene	23.57	252	677768	11.743	ng	# 93
91) Dibenzo(a,h)anthracene	26.01	278	128238	2.136	ng	# 78
92) Benzo(g,h,i)perylene	26.73	276	477006	8.371	ng	95

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

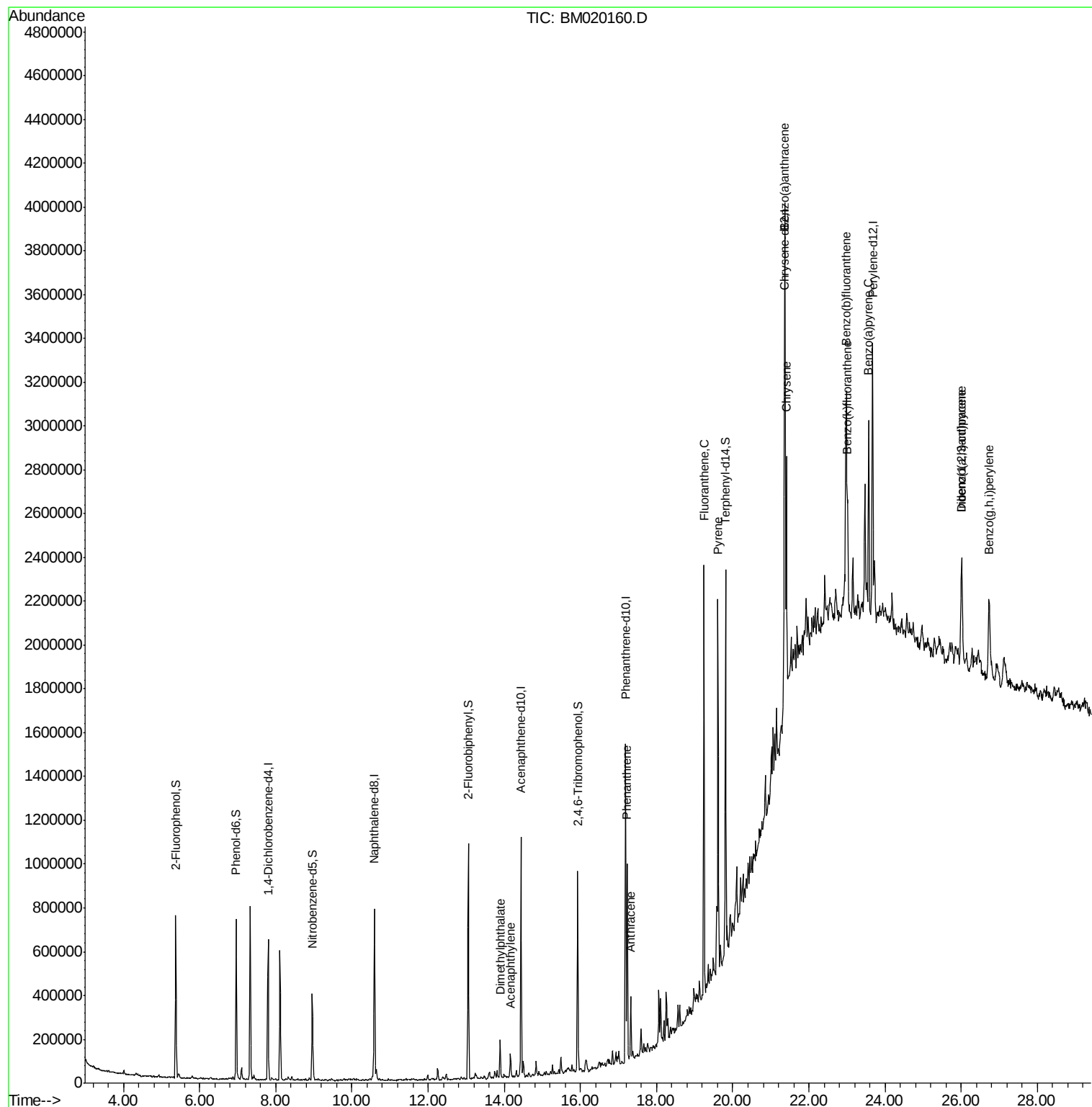
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020160.D
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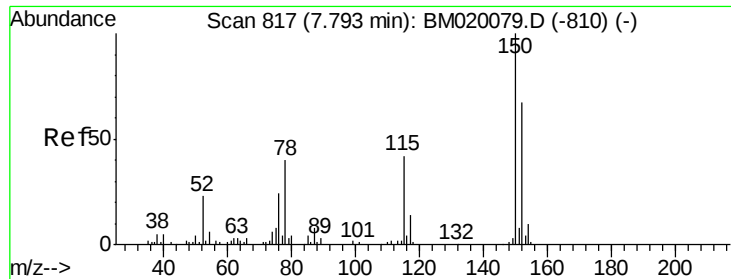
Instrument :
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#1

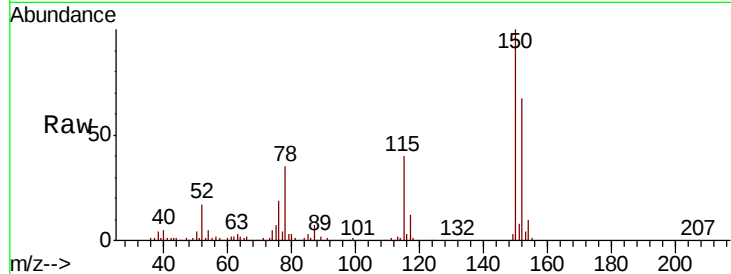
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.80 min Scan# 818
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Instrument :
BNA_M
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	119.8	179.8
115	59.8	50.8	76.2

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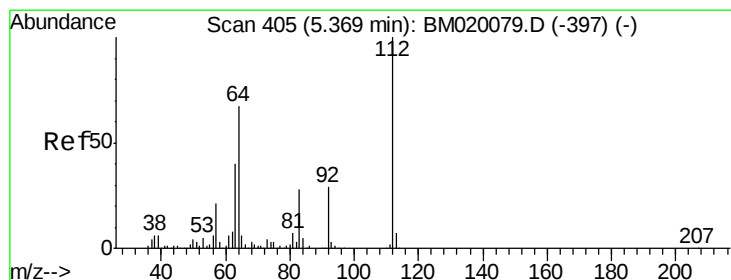
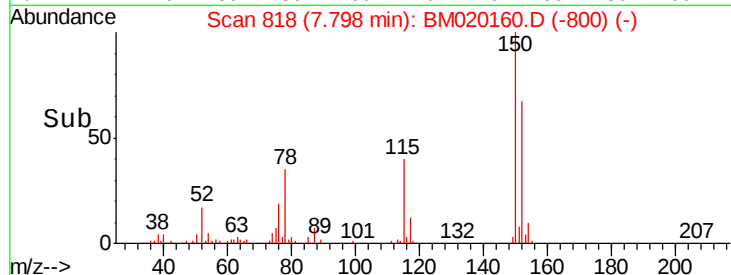
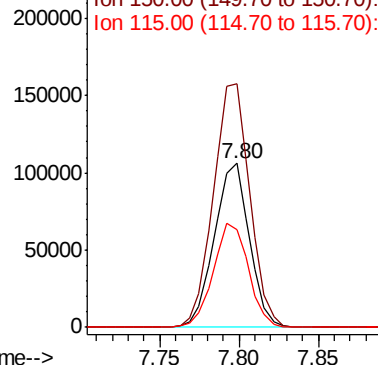


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

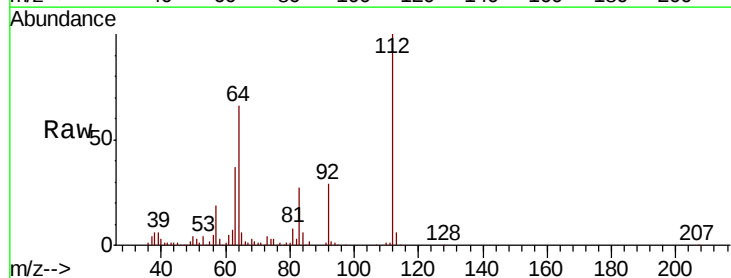
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.931 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.8	80.6
63	37.2	32.3	48.5

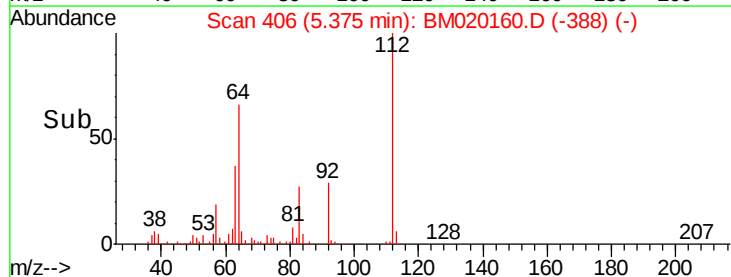
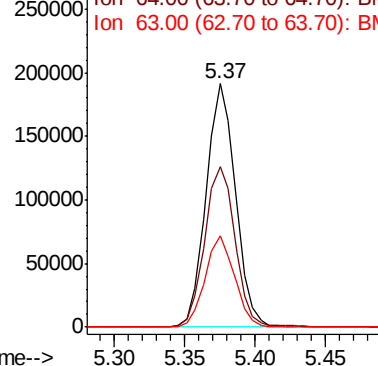


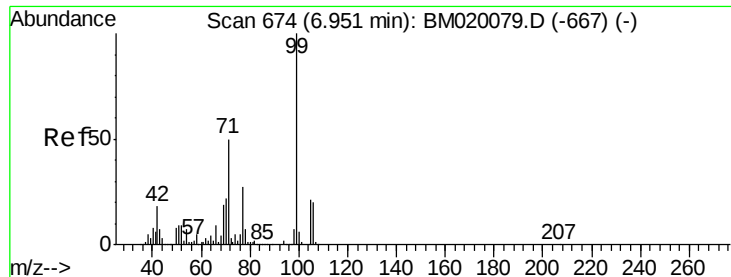
Abundance

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: 28.761 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

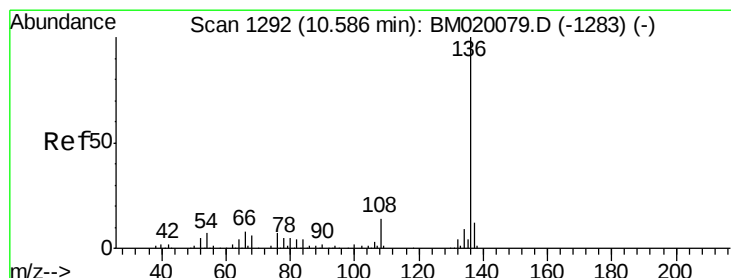
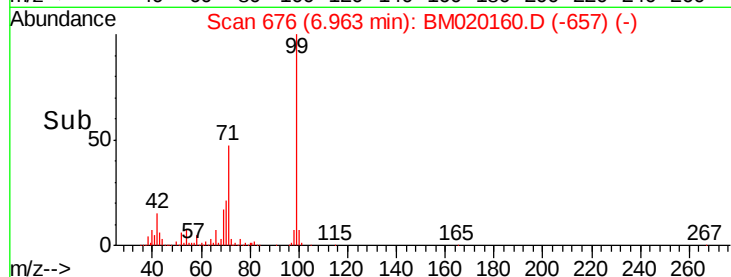
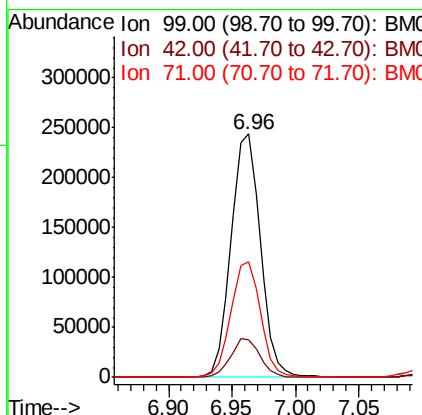
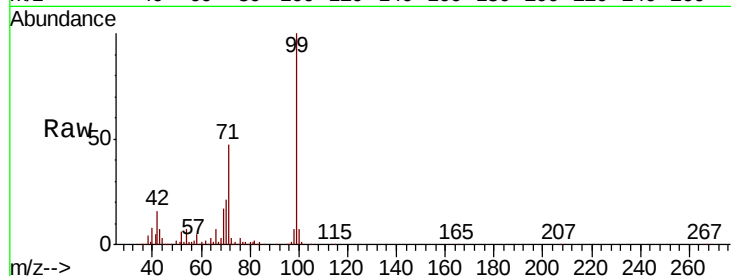
ClientSampleId :

SB-17-COMP

Tot Ion:	99	Resp:	391371
Ion Ratio	Lower	Upper	
99	100		
42	15.6	14.2	21.2
71	47.3	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

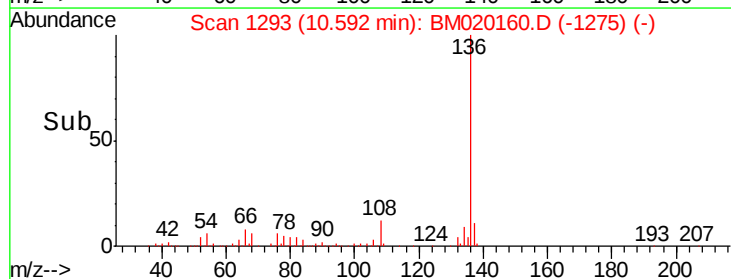
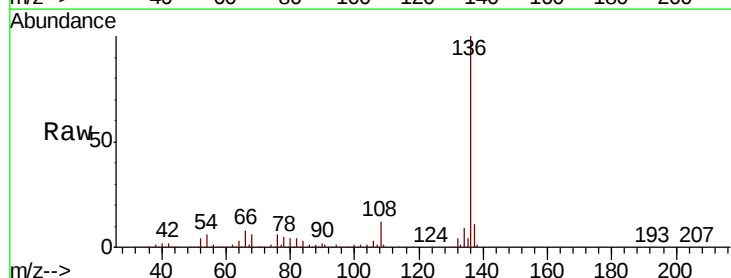
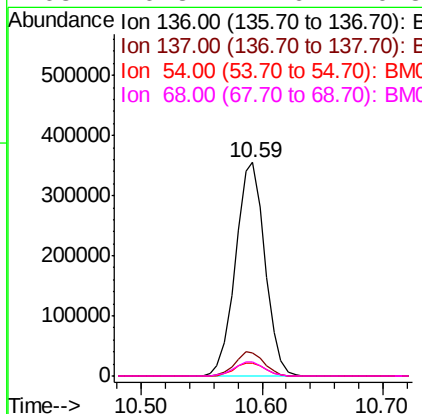
RT: 10.59 min Scan# 1293

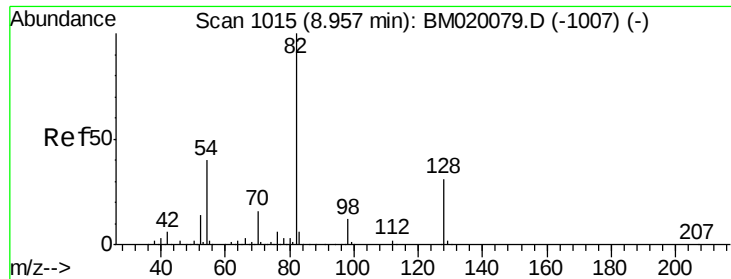
Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	136	Resp:	600733
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.6	14.4
54	6.3	5.5	8.3
68	6.3	4.6	6.8





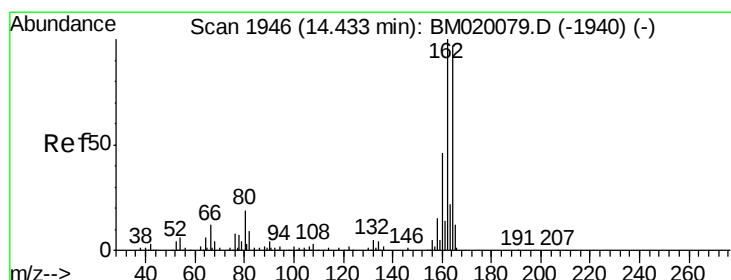
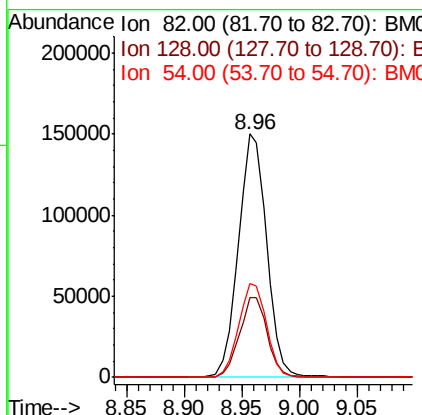
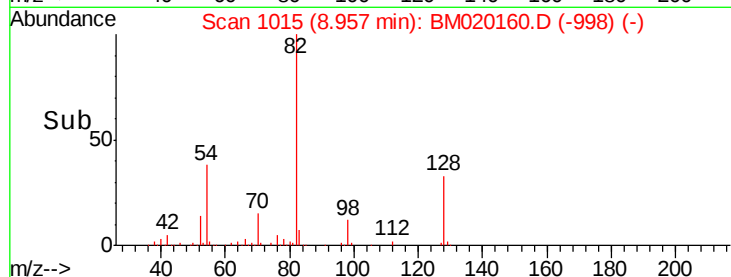
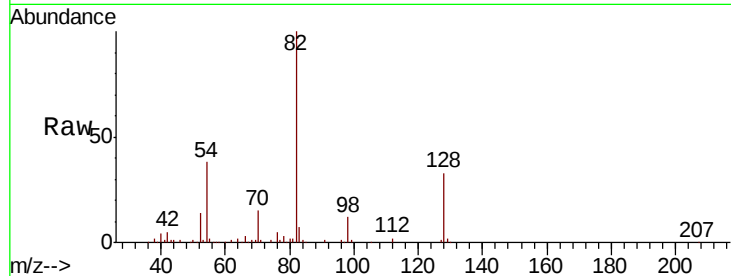
#23
Nitrobenzene-d5
Concen: 16.800 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Instrument :
BNA_M
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	255630		
128	32.5	25.2	37.8	
54	38.5	31.9	47.9	

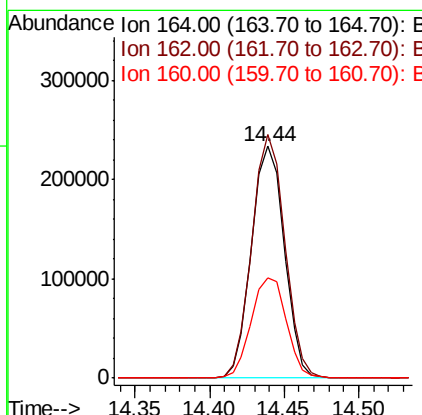
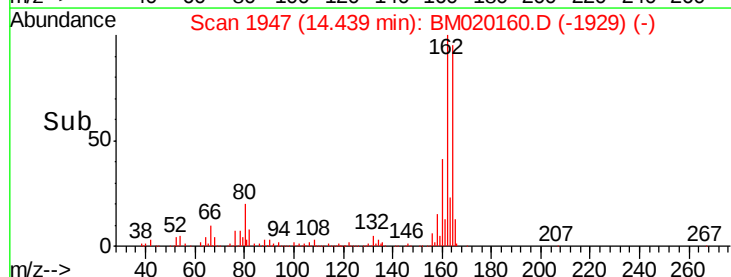
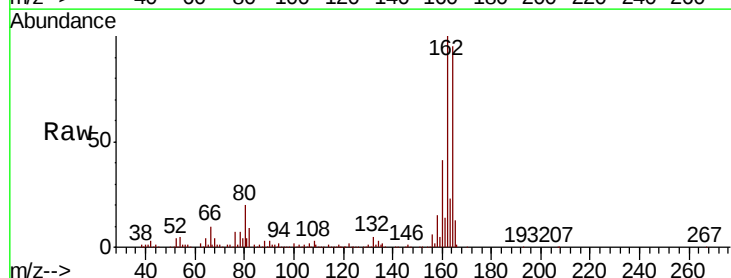
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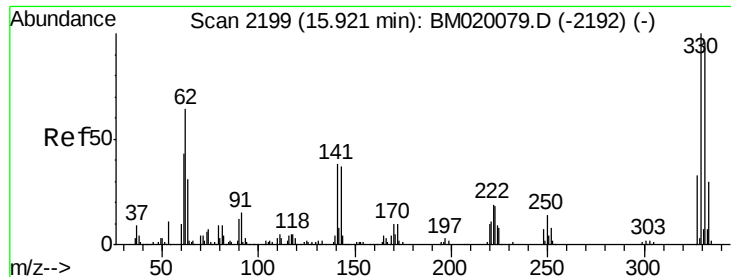
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	355884		
162	105.0	82.2	123.2	
160	43.3	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 28.853 ng

RT: 15.93 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

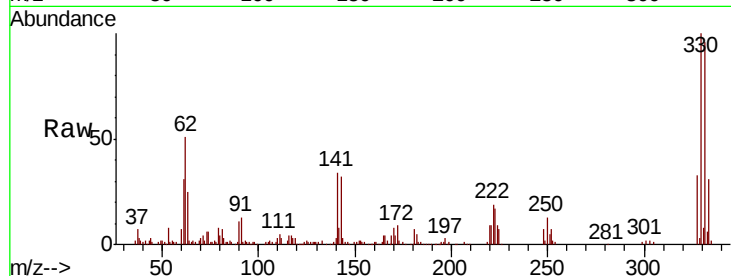
ClientSampleId :

SB-17-COMP

Tot Ion:	330	Resp:	159384
Ion Ratio	Lower	Upper	
330	100		
332	98.5	76.8	115.2
141	34.2	29.2	43.8

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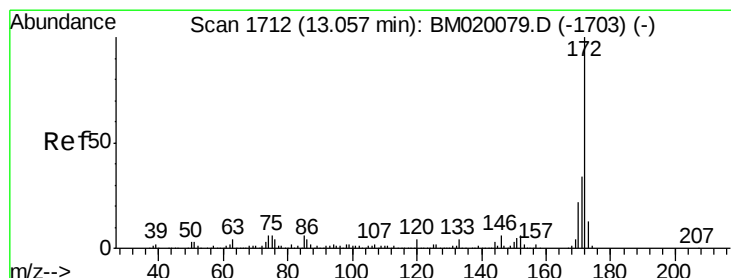
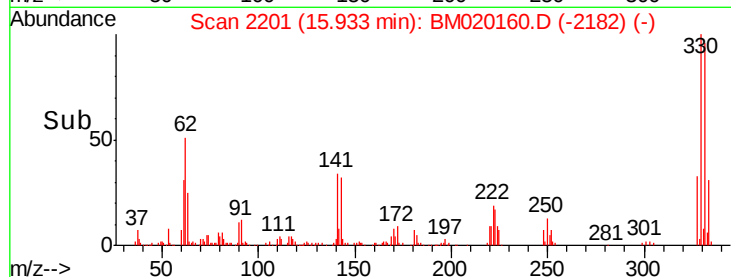
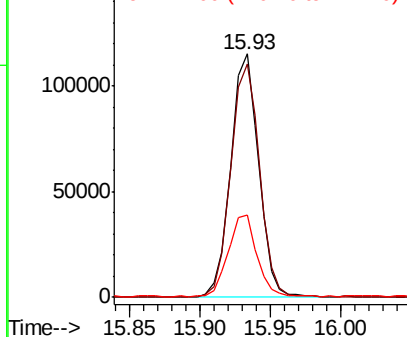


Abundance

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: 18.226 ng

RT: 13.06 min Scan# 1712

Delta R.T. -0.00 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

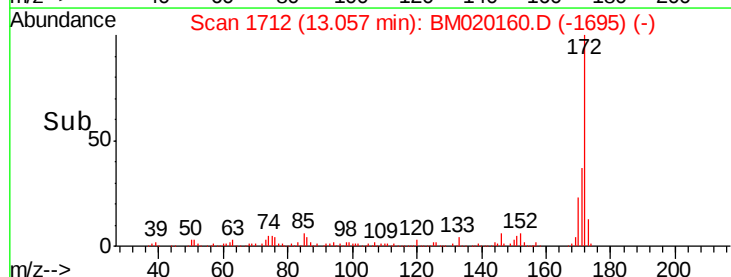
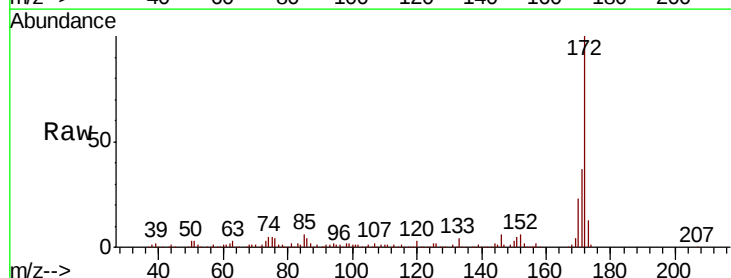
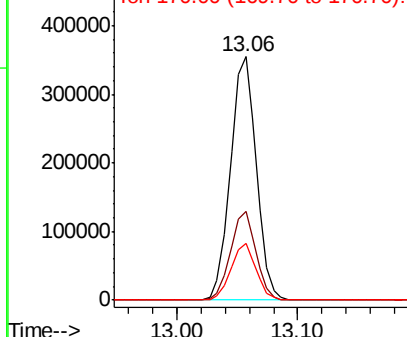
Tgt Ion:	172	Resp:	527191
Ion Ratio	Lower	Upper	
172	100		
171	36.6	27.3	40.9
170	23.4	17.9	26.9

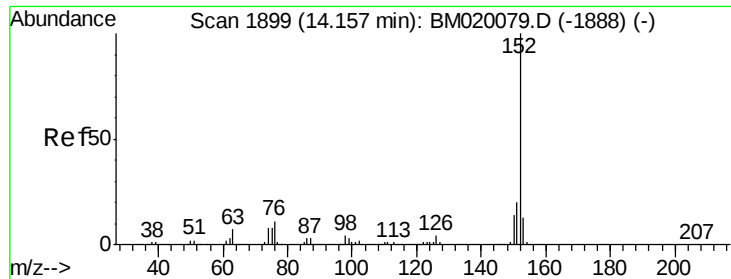
Abundance

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: 2.045 ng

RT: 14.16 min Scan# 1900

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

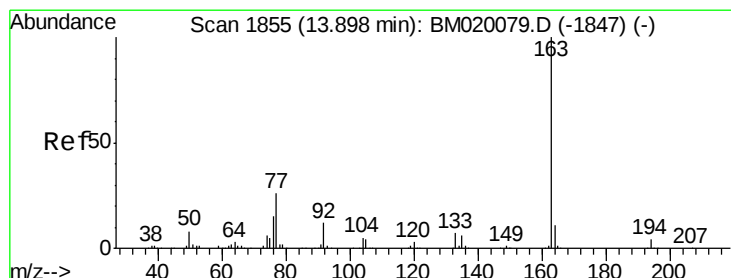
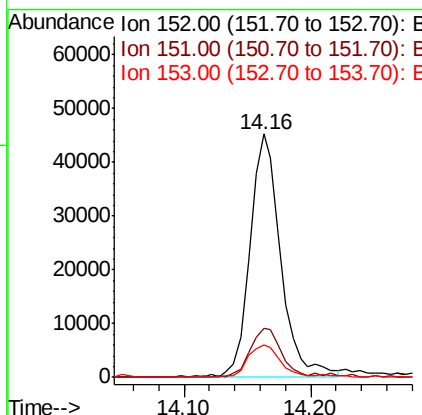
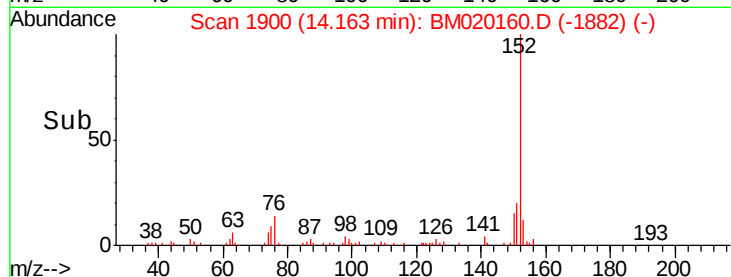
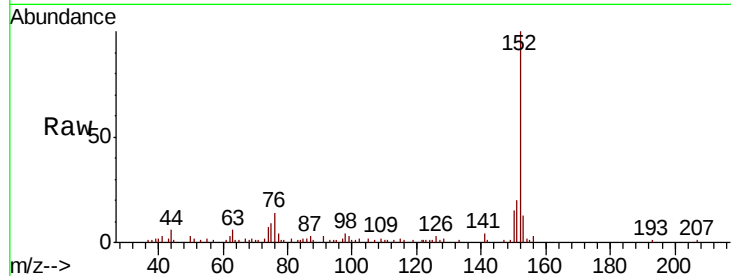
ClientSampleId :

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Tot Ion:	152	Resp:	76532
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	16.0

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#50

Dimethylphthalate

Concen: 2.866 ng

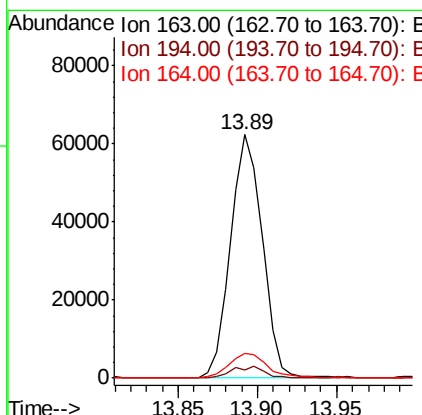
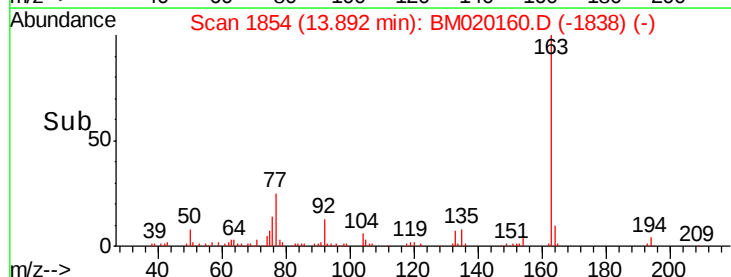
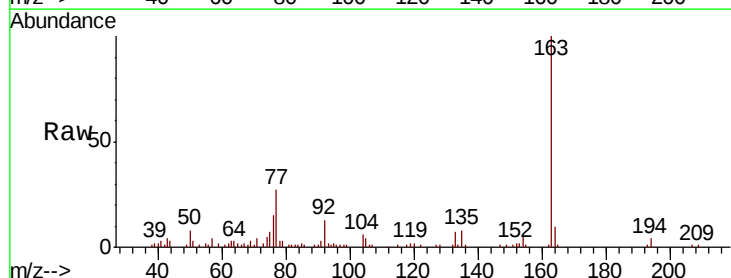
RT: 13.89 min Scan# 1854

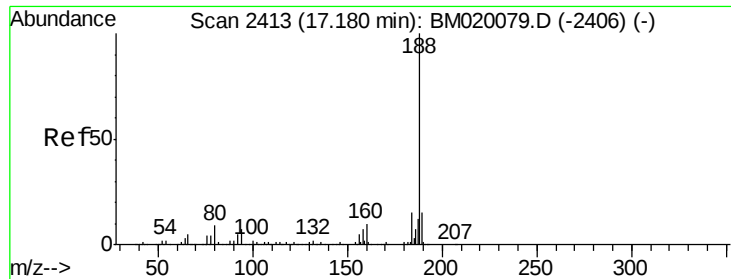
Delta R.T. -0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	163	Resp:	86691
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.6	5.4#
164	10.3	8.4	12.6





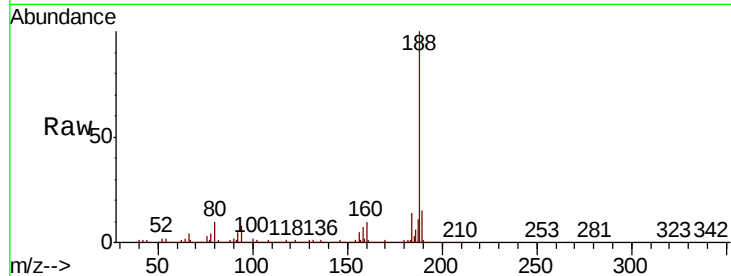
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Instrument :
BNA_M
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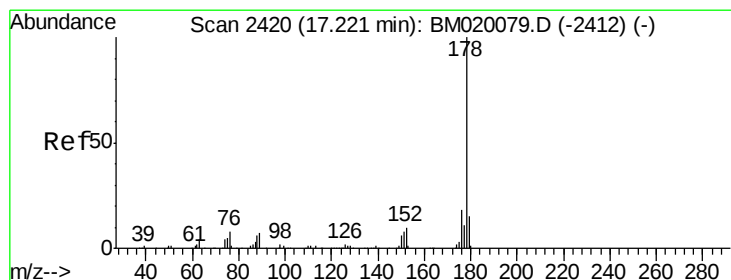
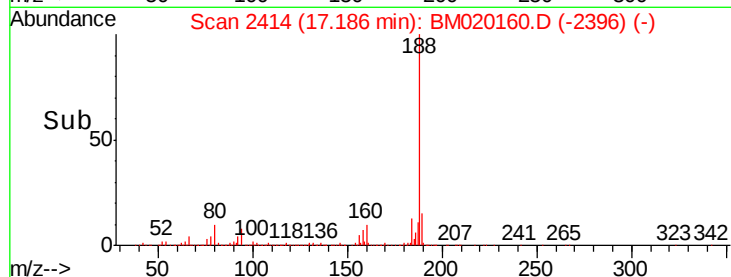
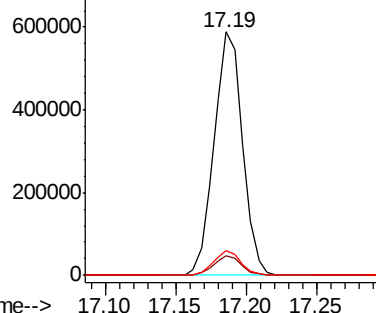
Tot Ion:	188	Resp:	828611
Ion Ratio	Lower	Upper	
188	100		
94	7.9	5.8	8.6
80	9.9	7.4	11.2

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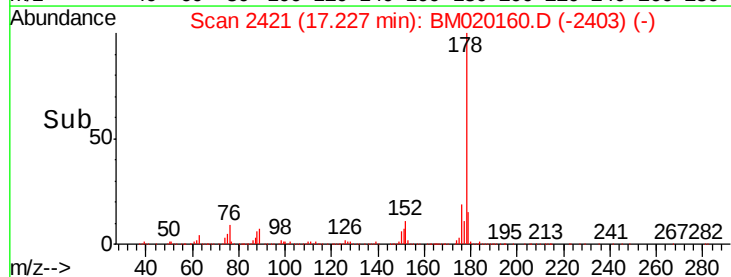
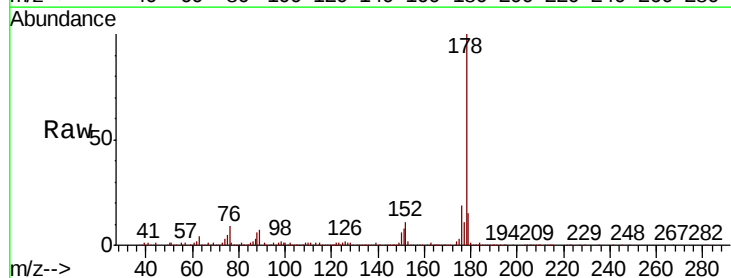
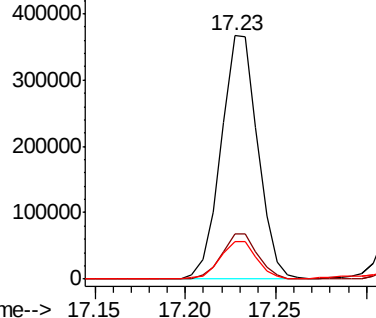
Abundance Ion 188.00 (187.70 to 188.70): E
800000
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

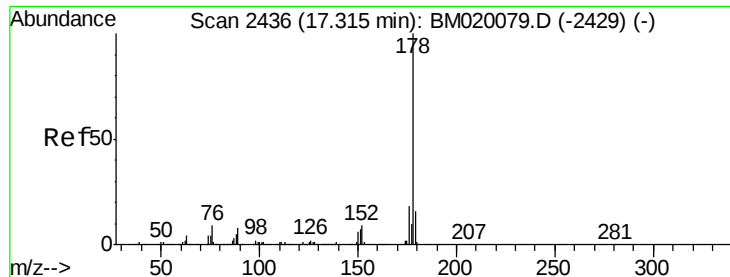


#71
Phenanthrene
Concen: 11.238 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Tgt Ion:	178	Resp:	514018
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.6	21.8
179	15.4	12.4	18.6

Abundance Ion 178.00 (177.70 to 178.70): E
500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.934 ng

RT: 17.32 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

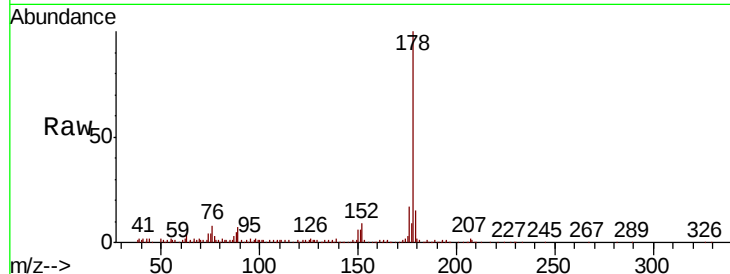
ClientSampleId :

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Tot Ion:	178	Resp:	179915
Ion Ratio	Lower	Upper	
178	100		
176	17.2	14.6	22.0
179	14.9	12.4	18.6

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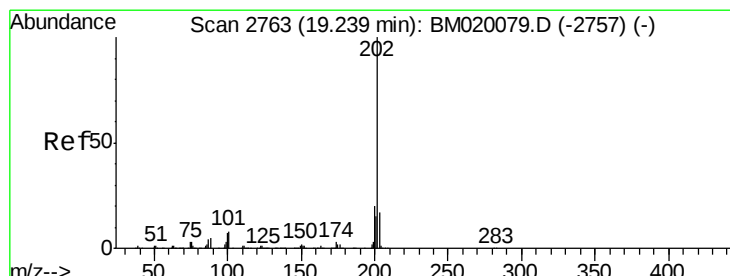
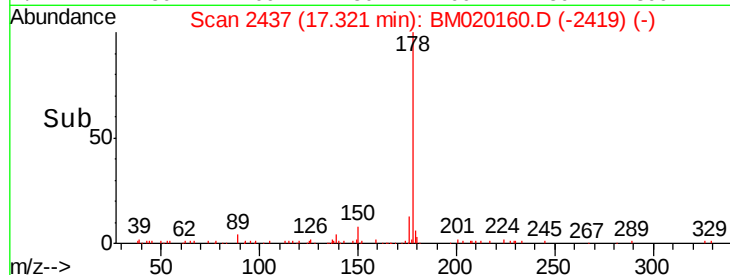
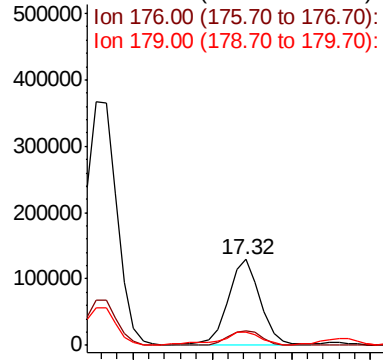


Abundance

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



#75

Fluoranthene

Concen: 20.291 ng

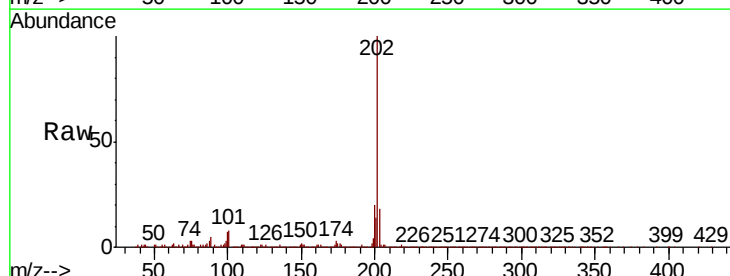
RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	202	Resp:	1174319
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	28.4
203	17.6	0.0	37.4

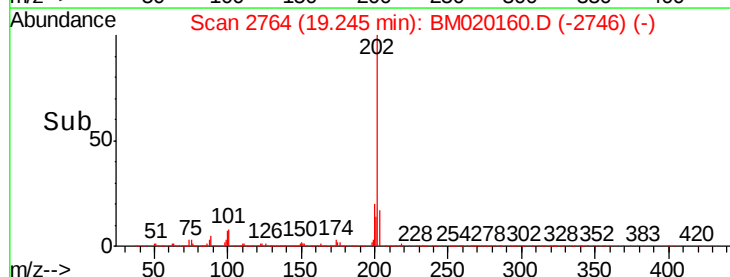
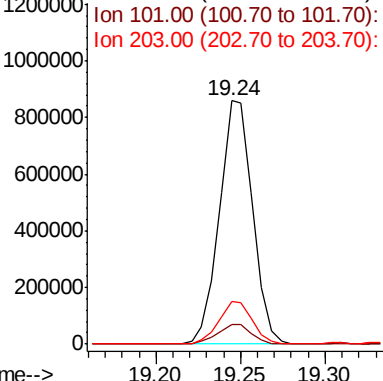


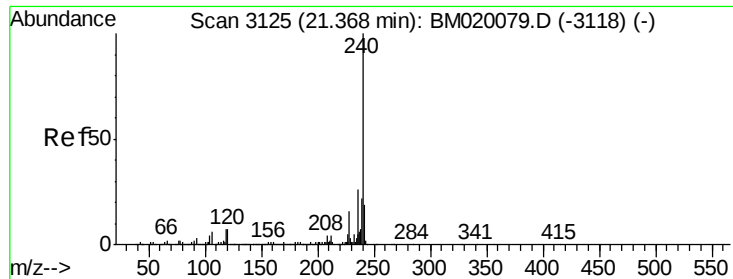
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

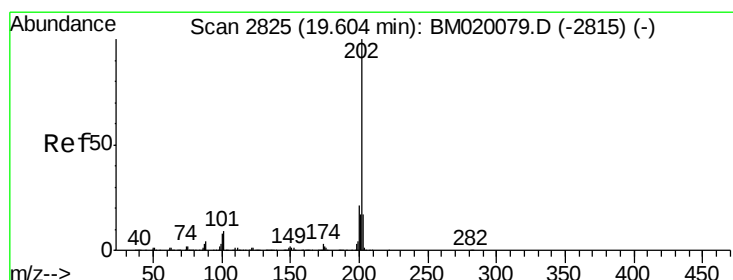
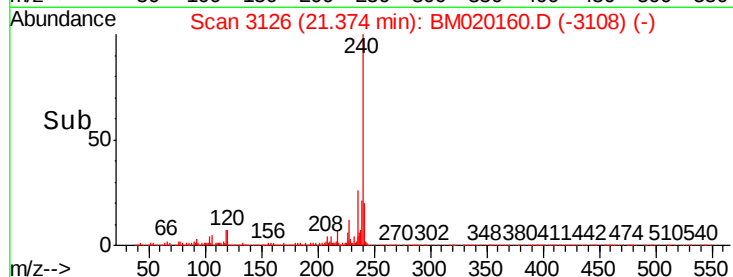
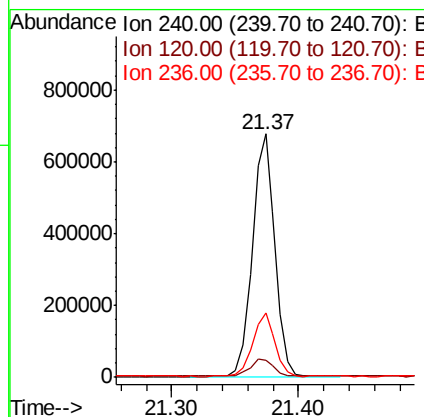
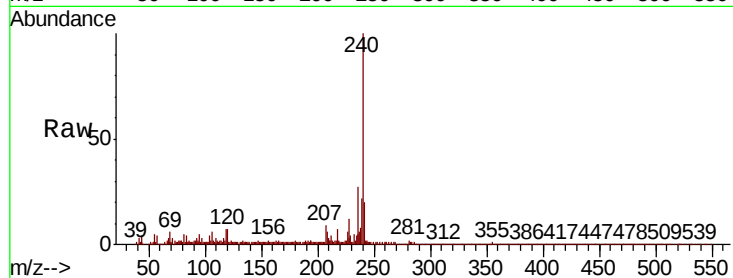
ClientSampleId :

SB-17-COMP

Tot Ion:	240	Resp:	829159
Ion Ratio	Lower	Upper	
240	100		
120	7.1	5.6	8.4
236	26.6	20.9	31.3

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#78

Pyrene

Concen: 18.847 ng

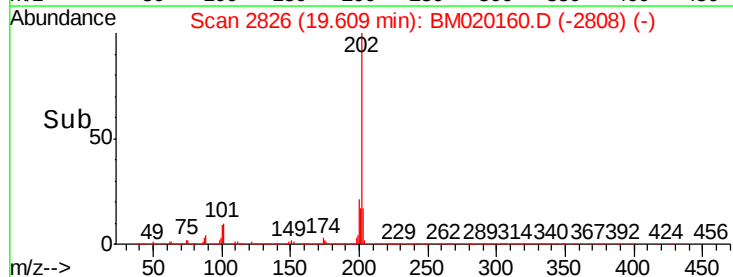
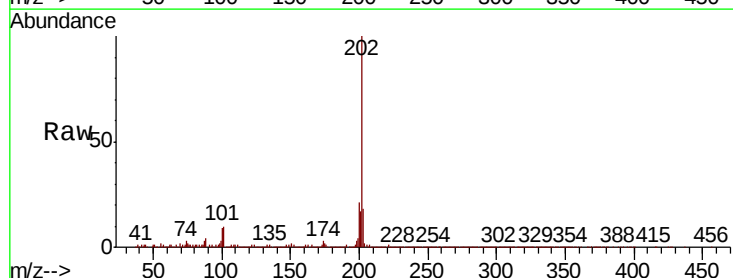
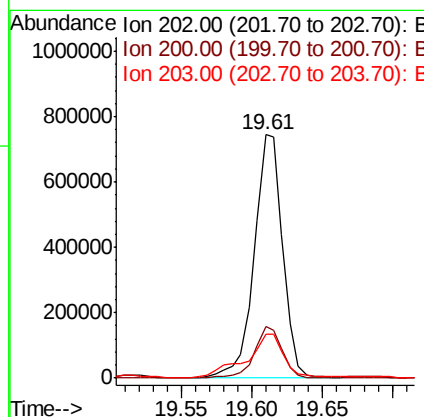
RT: 19.61 min Scan# 2826

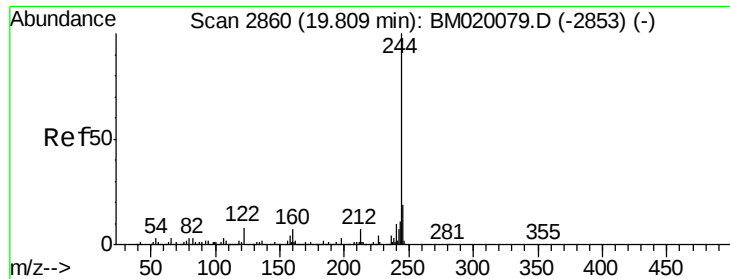
Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	202	Resp:	1049177
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.5	24.7
203	17.8	13.9	20.9





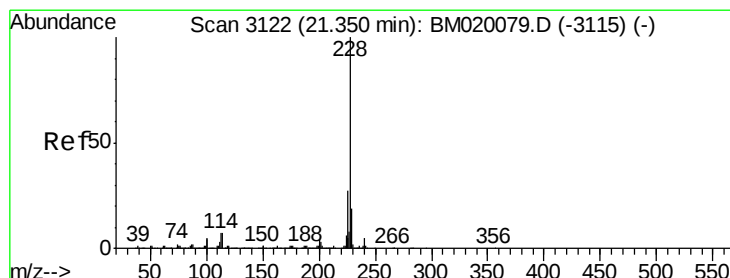
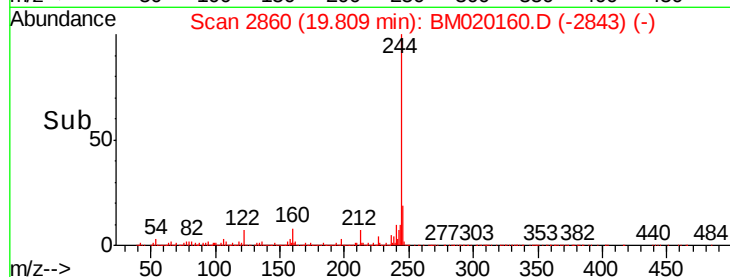
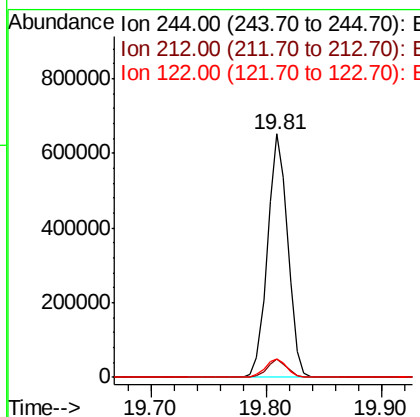
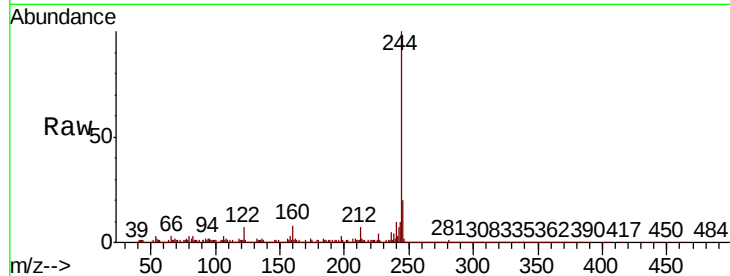
#79
 Terphenyl-d14
 Concen: 16.792 ng
 RT: 19.81 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BM020160.D
 Acq: 07 May 2019 08:50

Instrument :
 BNA_M
 ClientSampleId :
 SB-17-COMP

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	5.7	8.5	
122	7.5	6.2	9.2	

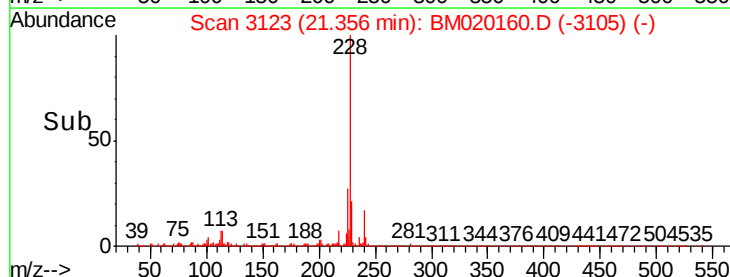
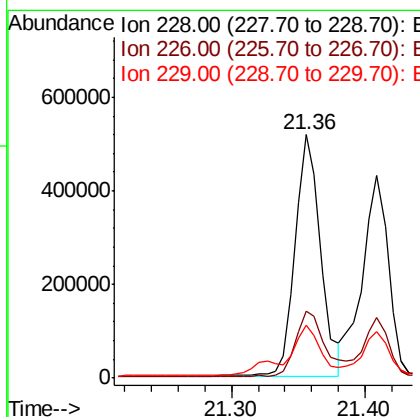
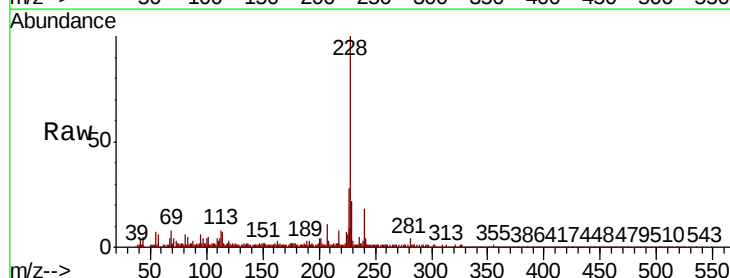
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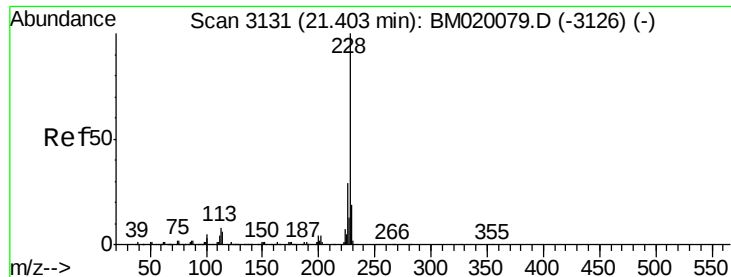
mohammad
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#81
 Benzo(a)anthracene
 Concen: 11.819 ng
 RT: 21.36 min Scan# 3123
 Delta R.T. 0.01 min
 Lab File: BM020160.D
 Acq: 07 May 2019 08:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	27.7	21.3	31.9	
229	21.6	15.5	23.3	





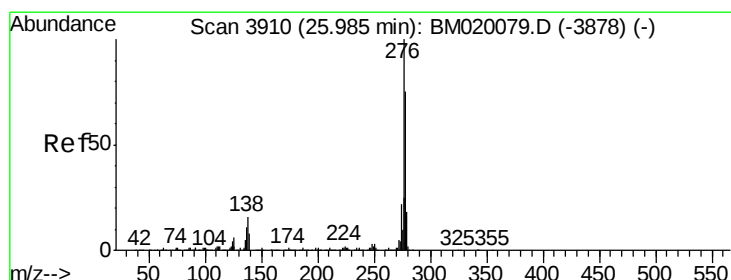
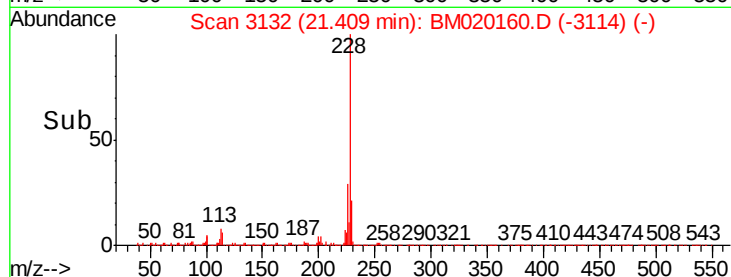
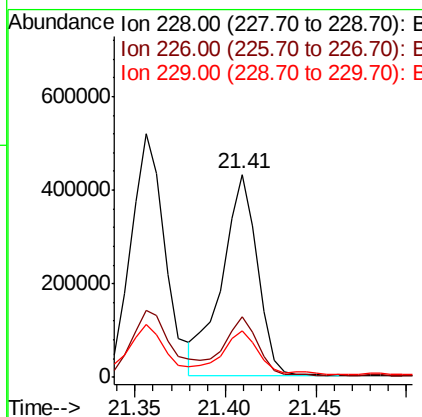
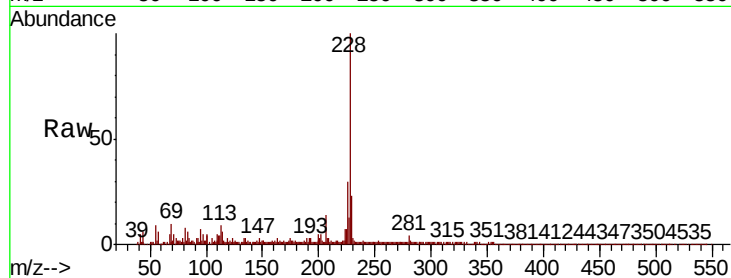
#83
Chrysene
Concen: 10.386 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Instrument :
BNA_M
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	22.9	15.5	23.3

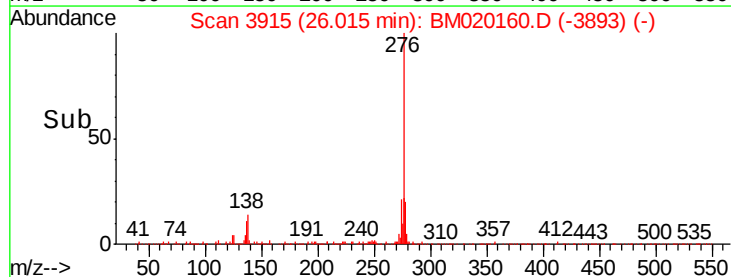
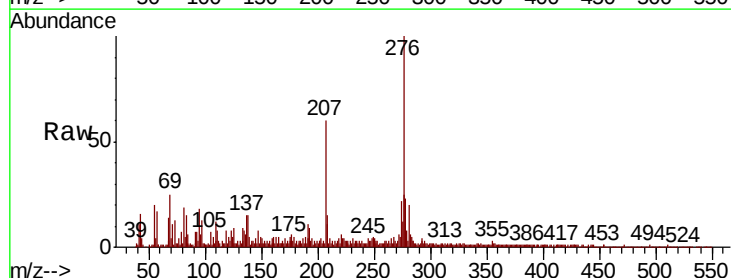
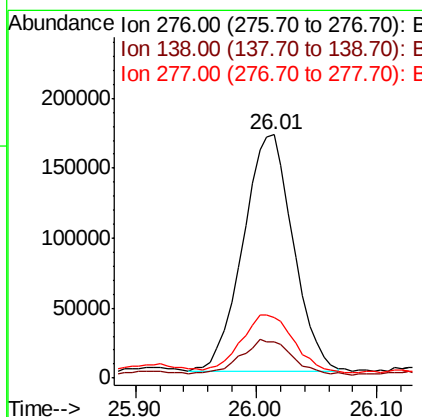
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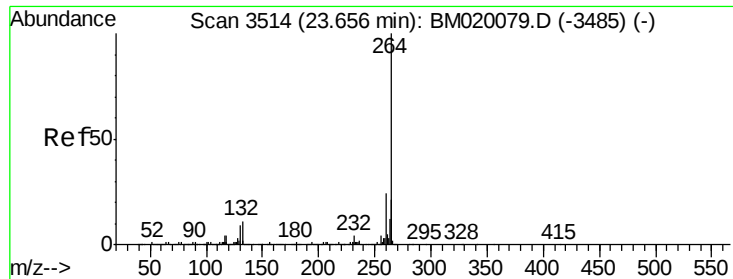
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.271 ng
RT: 26.01 min Scan# 3915
Delta R.T. 0.03 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

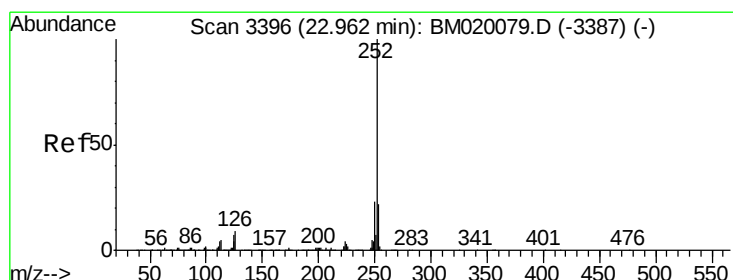
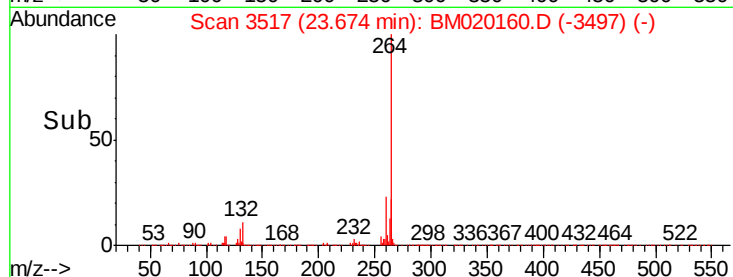
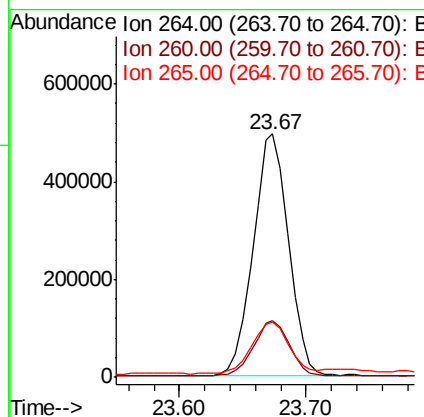
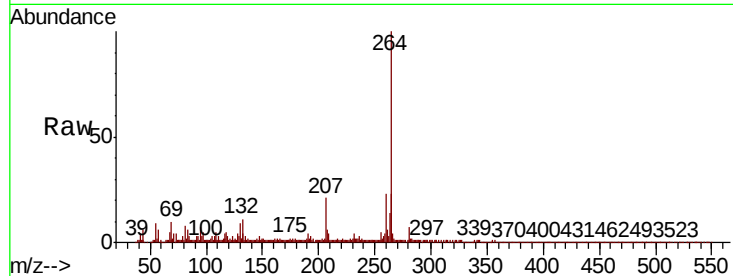
ClientSampleId :

SB-17-COMP

Tot Ion:	264	Resp:	962248
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	22.9	16.9	25.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 15.512 ng m

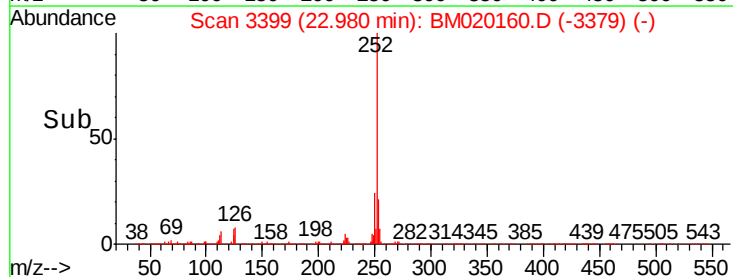
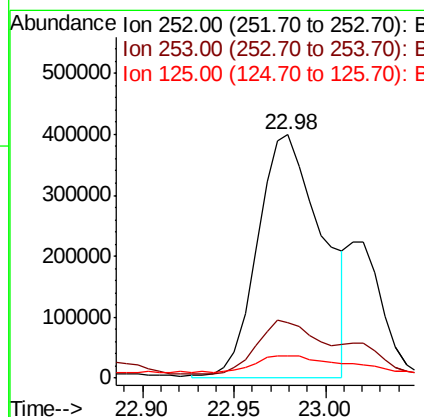
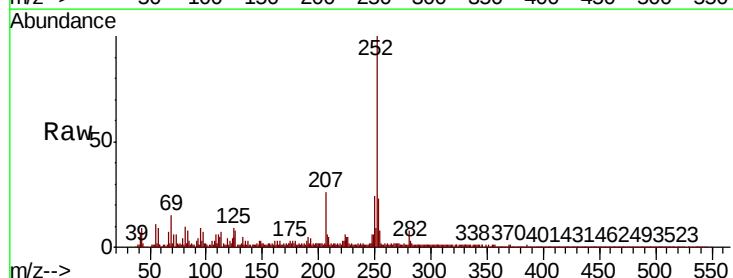
RT: 22.98 min Scan# 3399

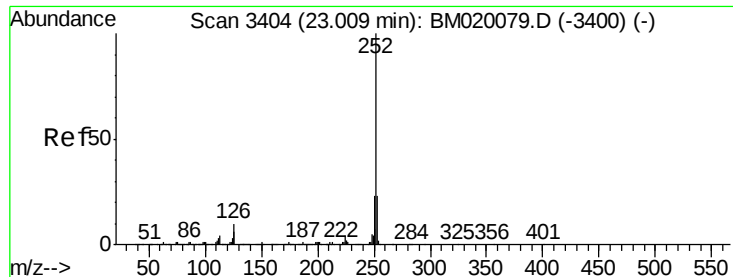
Delta R.T. 0.02 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	252	Resp:	985661
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	9.3	5.4	8.2#





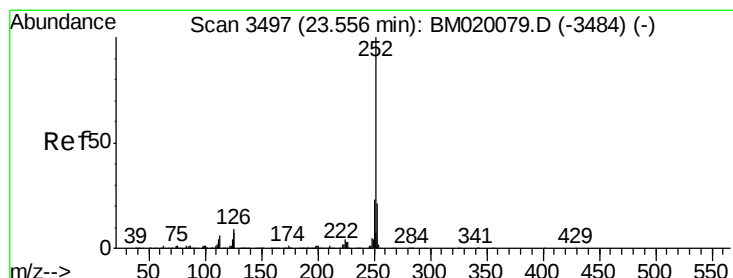
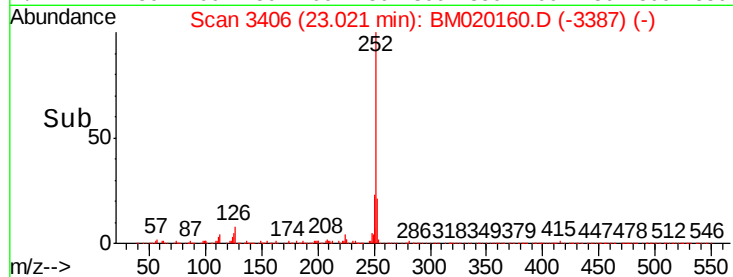
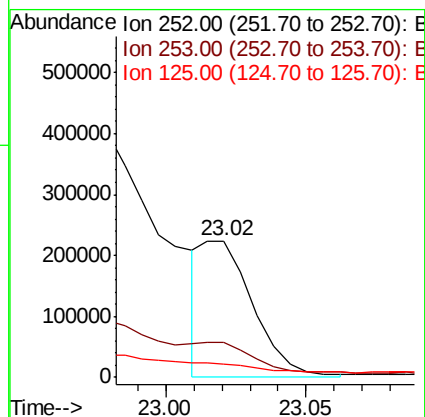
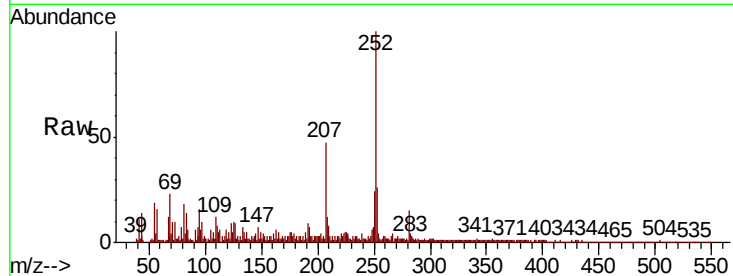
#89
Benzo(k)fluoranthene
Concen: 4.961 ng m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Instrument :
BNA_M
ClientSampleId :
SB-17-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.8
125	9.5	5.4	8.0

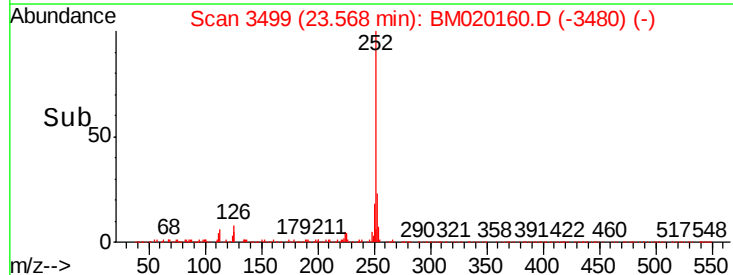
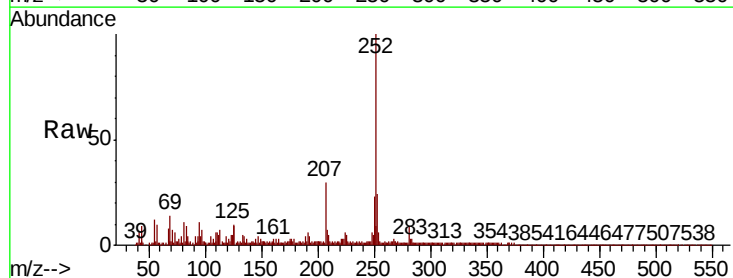
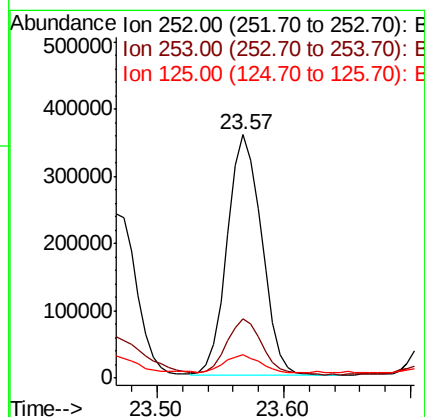
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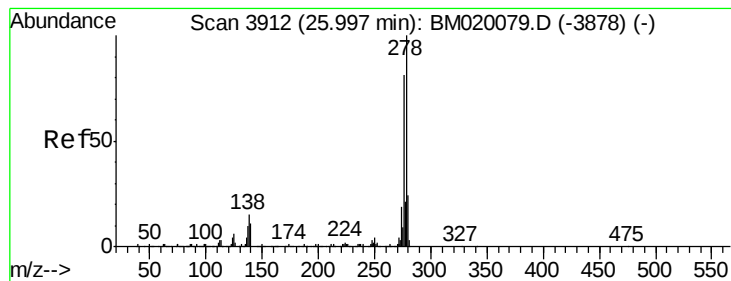
mohammad
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#90
Benzo(a)pyrene
Concen: 11.743 ng
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020160.D
Acq: 07 May 2019 08:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	9.6	5.5	8.3





#91

Dibenzo(a,h)anthracene

Concen: 2.136 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Instrument :

BNA_M

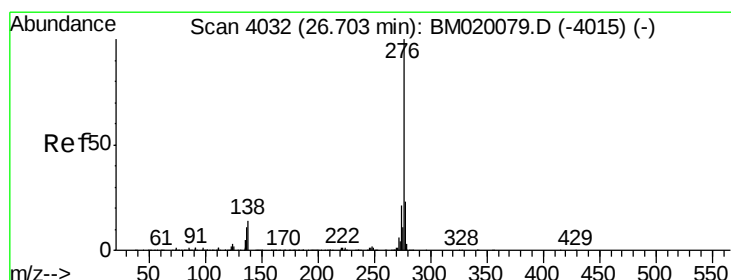
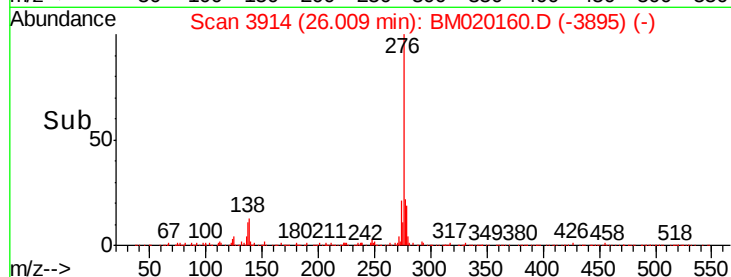
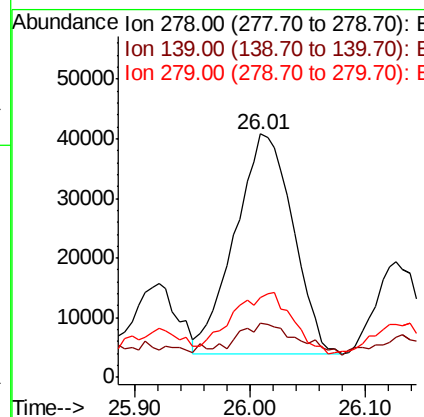
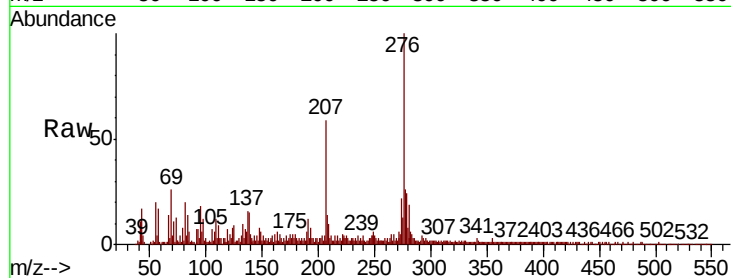
ClientSampleId :

SB-17-COMP

Tot Ion:	278	Resp:	128238
Ion Ratio	Lower	Upper	
278	100		
139	22.3	8.6	13.0#
279	32.5	18.8	28.2#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 8.371 ng

RT: 26.73 min Scan# 4037

Delta R.T. 0.03 min

Lab File: BM020160.D

Acq: 07 May 2019 08:50

Tgt Ion:	276	Resp:	477006
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.4	27.6
138	15.3	11.1	16.7

