

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020156.D
 Acq On : 07 May 2019 06:26
 Operator : JU/SJ
 Sample : K2673-06 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-13-COMP

Manual Integrations
 APPROVED

mohammad
 5/7/2019 3:12:12 PM

Quant Time: May 07 07:42:23 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	153460	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	554287	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	311620	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	718459	20.00	ng	0.00
76) Chrysene-d12	21.37	240	741114	20.00	ng	0.00
87) Perylene-d12	23.67	264	862357	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	291476	31.05	ng	0.00
7) Phenol-d6	6.96	99	400933	31.26	ng	0.00
23) Nitrobenzene-d5	8.96	82	261690	18.64	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	143943	29.76	ng	0.01
45) 2-Fluorobiphenyl	13.05	172	445799	17.60	ng	0.00
79) Terphenyl-d14	19.81	244	642394	15.12	ng	0.00
Target Compounds						
49) Acenaphthylene	14.16	152	76900	2.346	ng	Qvalue 97
50) Dimethylphthalate	13.89	163	72254	2.728	ng	98
71) Phenanthrene	17.23	178	526903	13.286	ng	99
72) Anthracene	17.32	178	203908	5.142	ng	98
75) Fluoranthene	19.24	202	1370062	27.303	ng	99
78) Pyrene	19.61	202	1135548	22.822	ng	99
81) Benzo(a)anthracene	21.36	228	753508	14.498	ng	96
83) Chrysene	21.41	228	593156m	11.768	ng	
86) Indeno(1,2,3-cd)pyrene	26.00	276	565580	9.433	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	952768	16.731	ng	# 96
89) Benzo(k)fluoranthene	23.01	252	330865m	6.370	ng	
90) Benzo(a)pyrene	23.57	252	797033	15.409	ng	# 95
91) Dibenzo(a,h)anthracene	26.01	278	152668	2.838	ng	# 81
92) Benzo(g,h,i)perylene	26.73	276	512898	10.043	ng	96

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

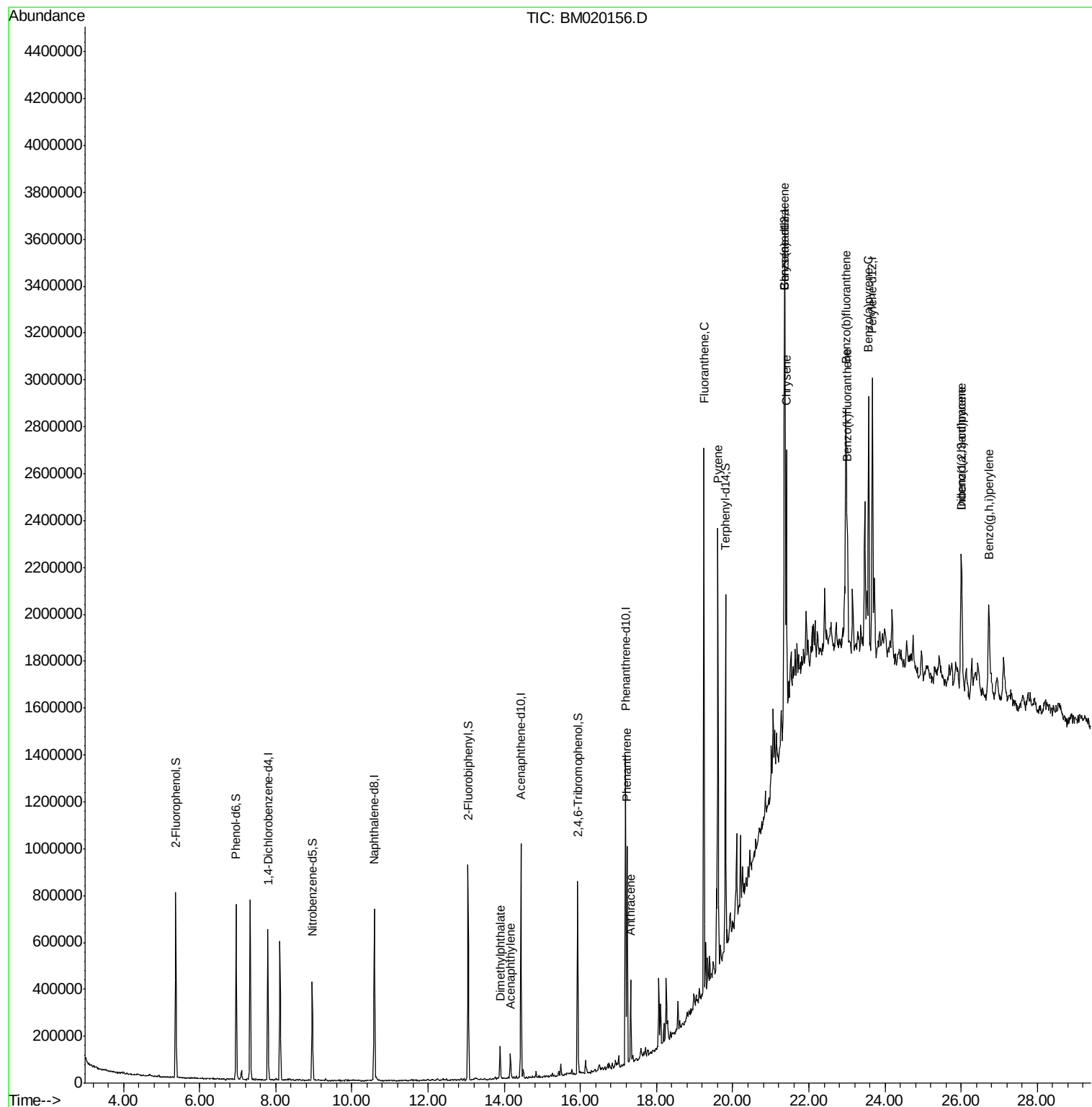
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
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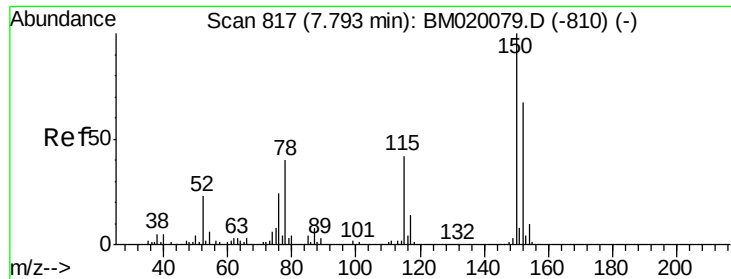
Instrument :
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SB-13-COMP

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#1

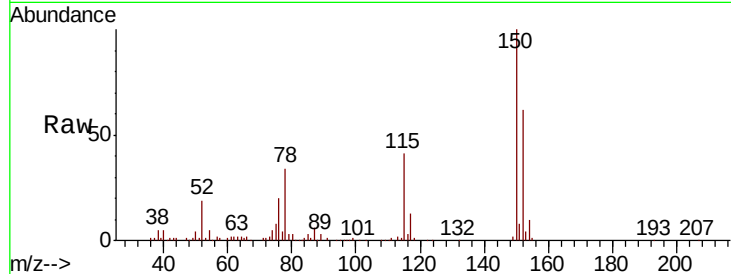
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	119.8	179.8
115	65.8	50.8	76.2

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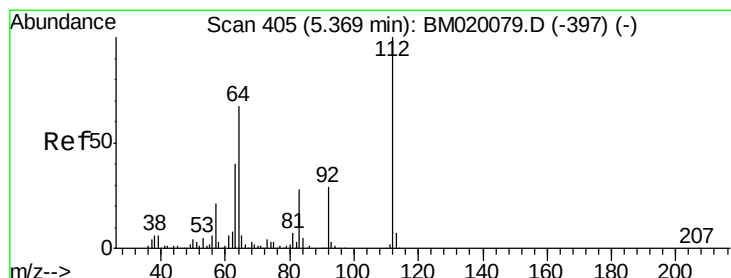
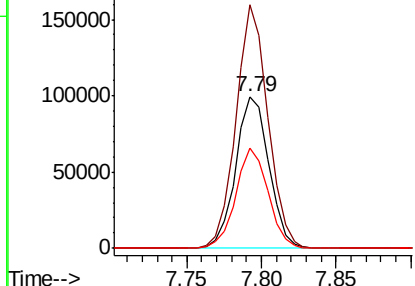
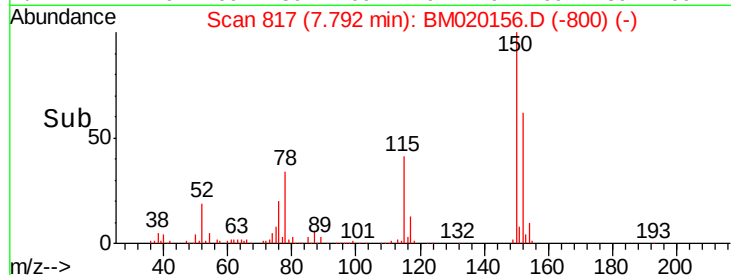


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

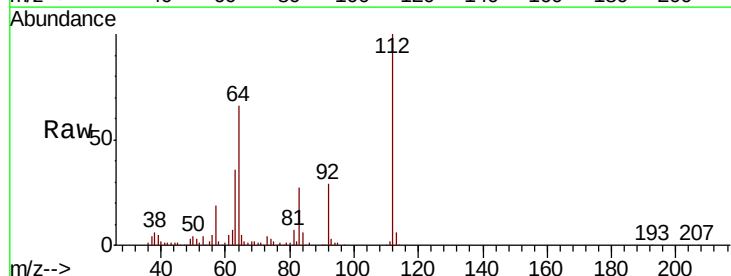
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 31.047 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	53.8	80.6
63	36.2	32.3	48.5

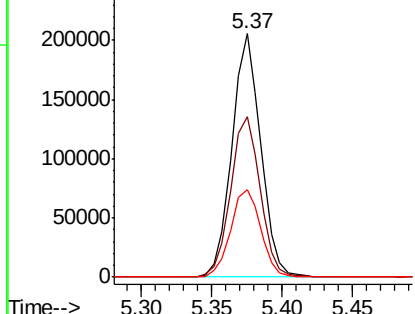
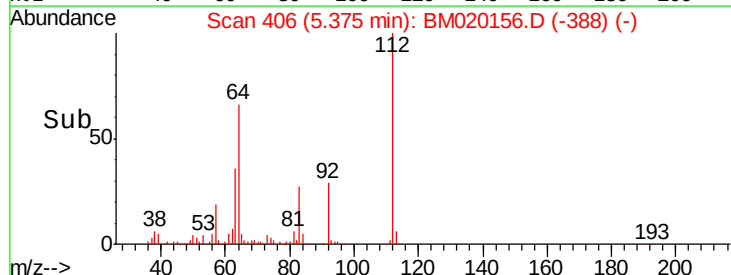


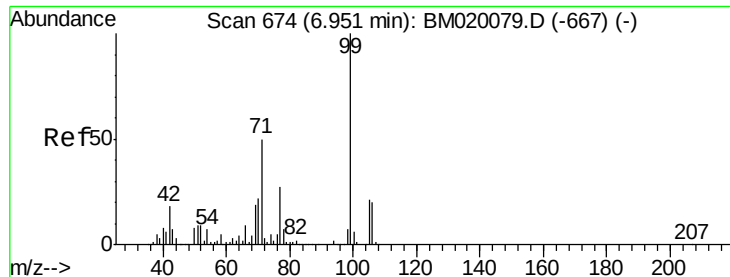
Abundance

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: 31.260 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

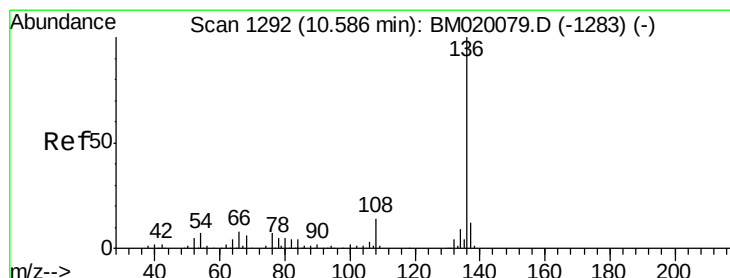
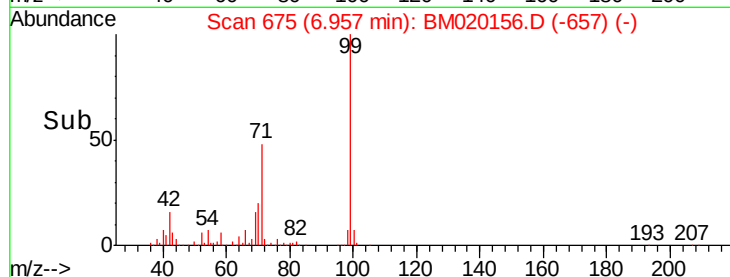
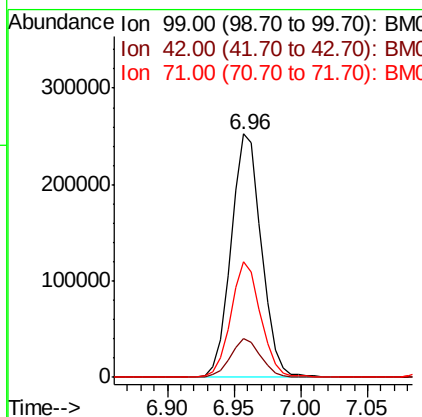
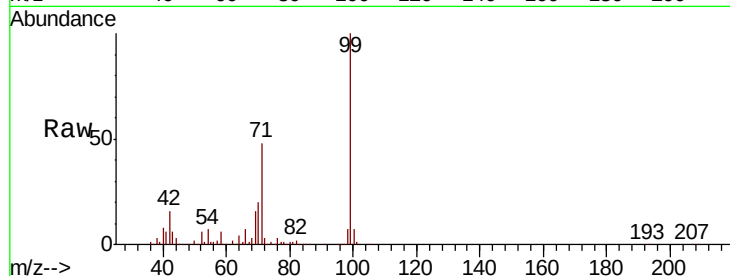
ClientSampleId :

SB-13-COMP

Tot Ion:	99	Resp:	400933
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.2	21.2
71	47.6	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

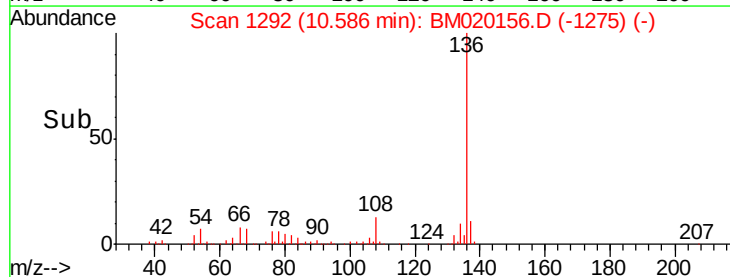
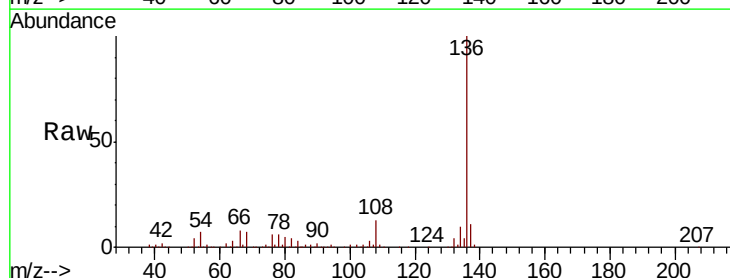
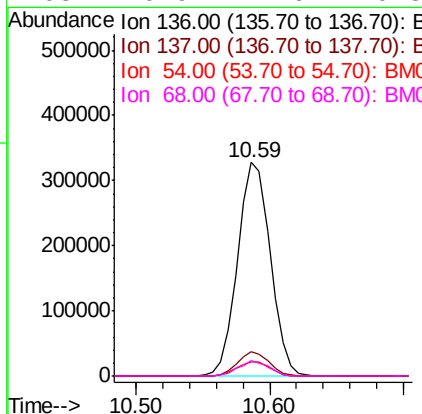
RT: 10.59 min Scan# 1292

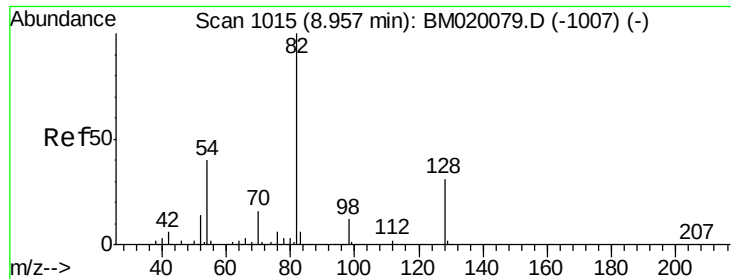
Delta R.T. -0.00 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Tgt Ion:	136	Resp:	554287
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.6	14.4
54	6.7	5.5	8.3
68	6.9	4.6	6.8#





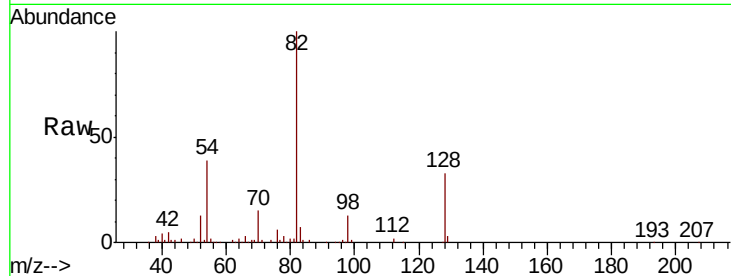
#23
Nitrobenzene-d5
Concen: 18.639 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.2	37.8
54	38.8	31.9	47.9

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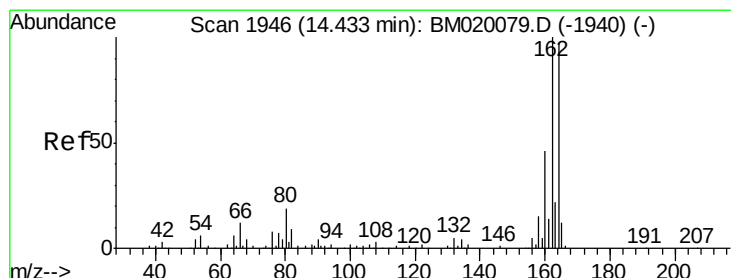
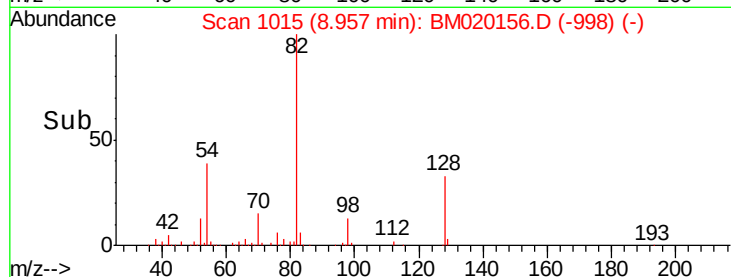
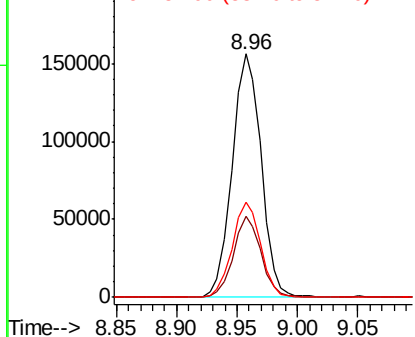


Abundance

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: BM020156.D
Acq: 07 May 2019 06:26

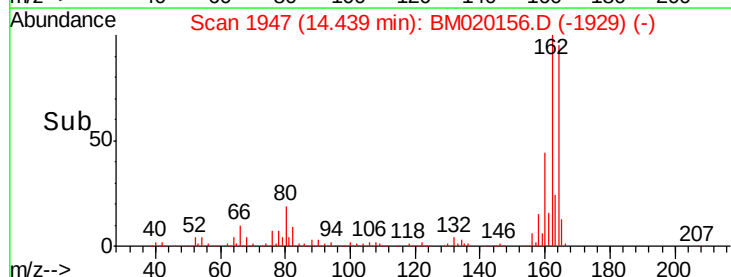
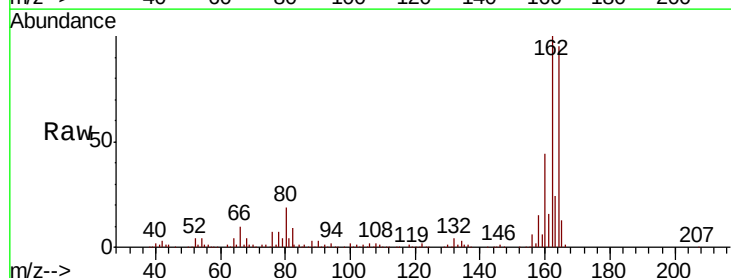
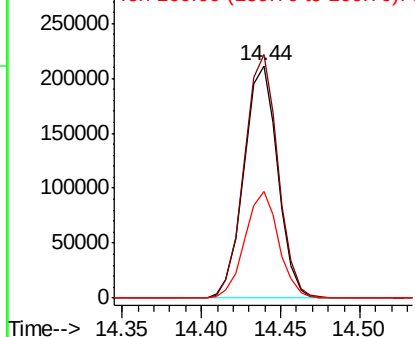
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.2	123.2
160	46.2	37.6	56.4

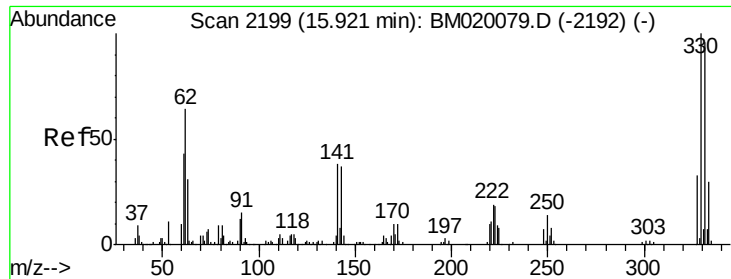
Abundance

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: 29.759 ng

RT: 15.93 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

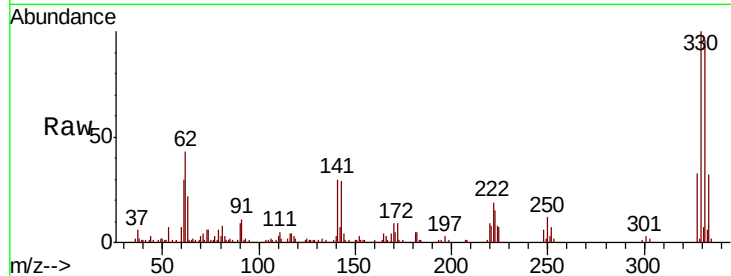
ClientSampleId :

SB-13-COMP

Tot Ion:	330	Resp:	143943
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.8	115.2
141	33.2	29.2	43.8

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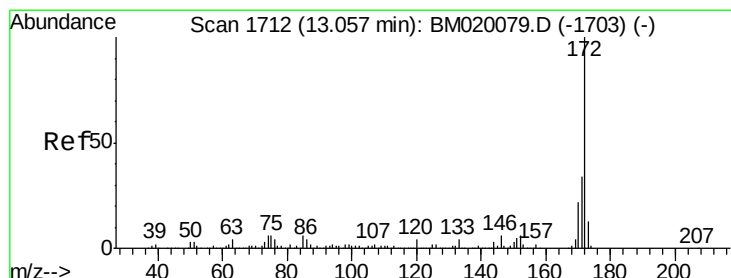
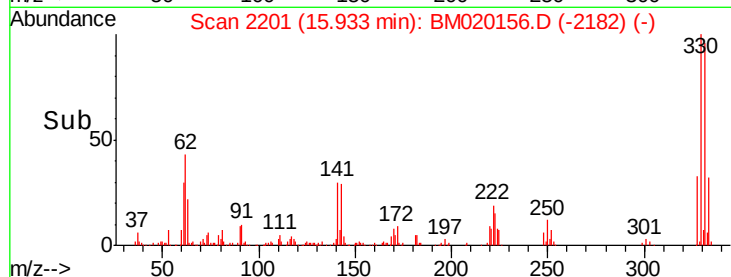
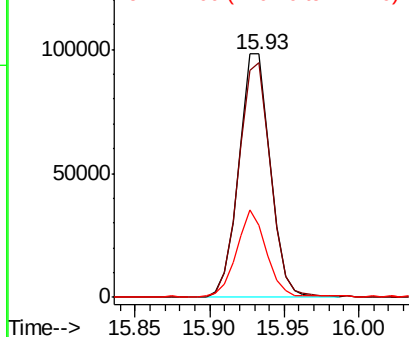


Abundance

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: 17.601 ng

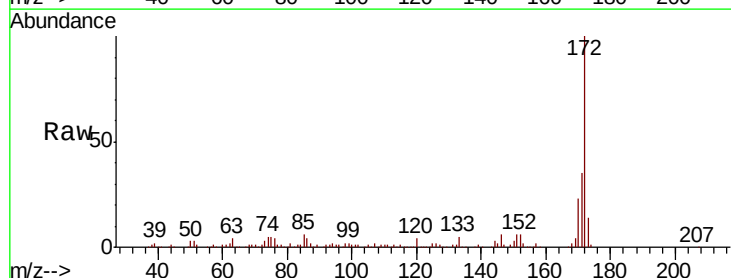
RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Tgt Ion:	172	Resp:	445799
Ion Ratio	Lower	Upper	
172	100		
171	35.2	27.3	40.9
170	22.9	17.9	26.9

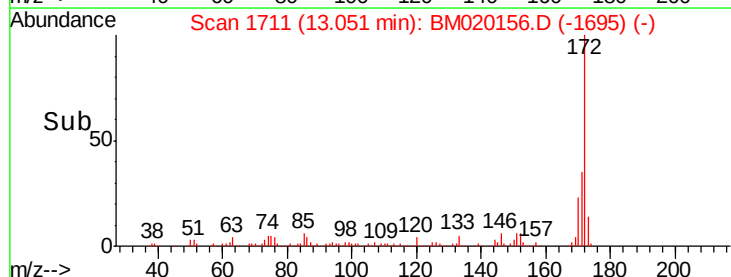
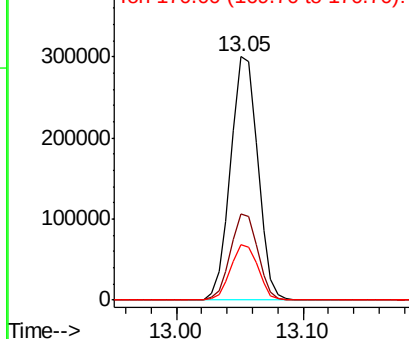


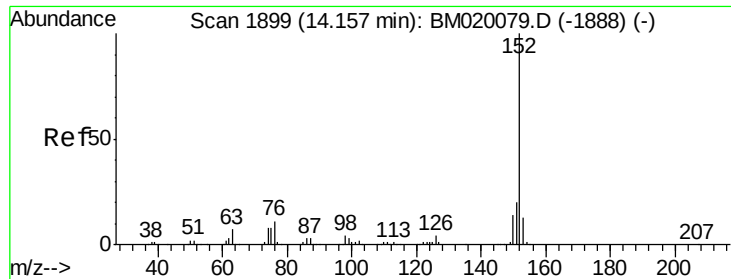
Abundance

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: 2.346 ng

RT: 14.16 min Scan# 1900

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

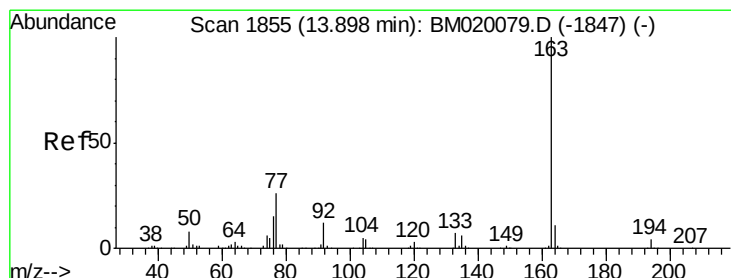
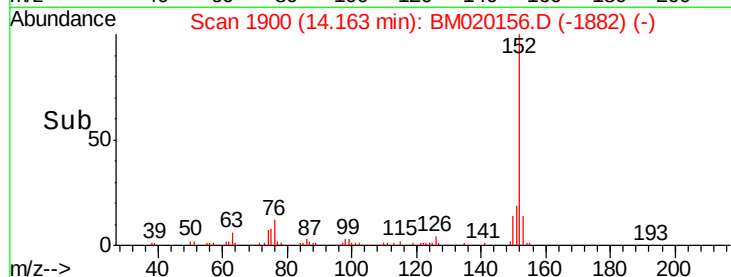
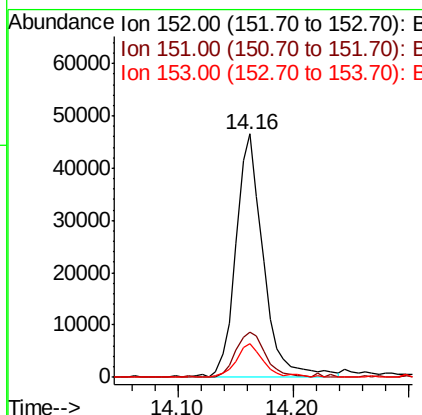
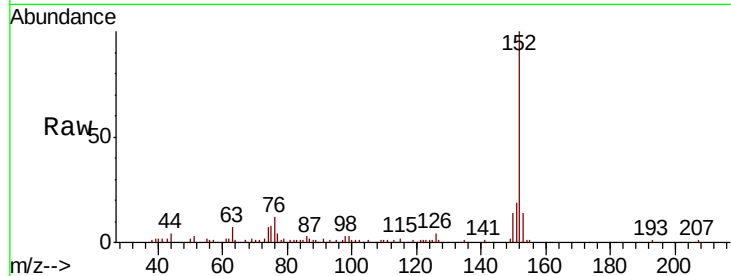
ClientSampleId :

SB-13-COMP

Tot Ion:	152	Resp:	76900
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.2	24.2
153	14.0	10.6	16.0

Manual Integrations
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#50

Dimethylphthalate

Concen: 2.728 ng

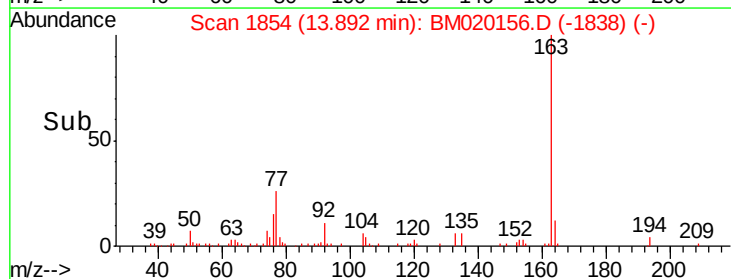
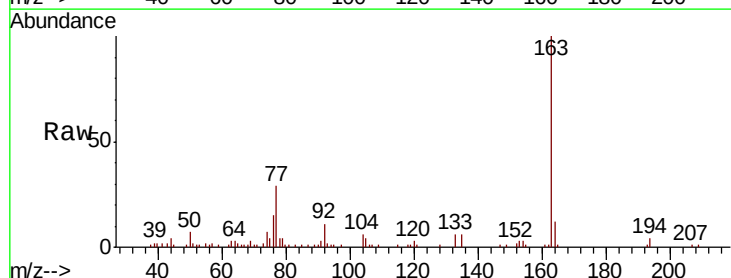
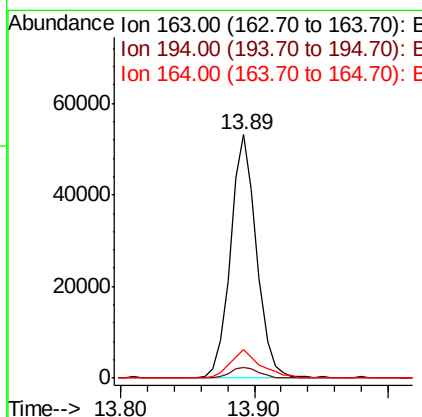
RT: 13.89 min Scan# 1854

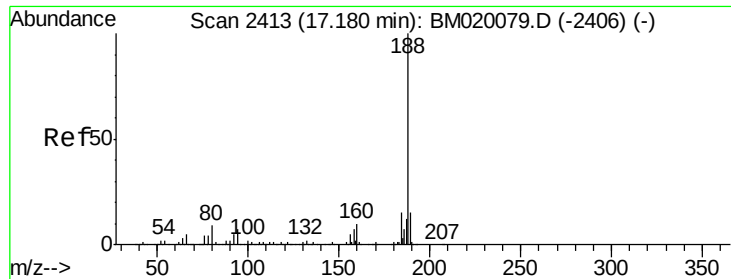
Delta R.T. -0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Tgt Ion:	163	Resp:	72254
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.6	5.4
164	11.8	8.4	12.6





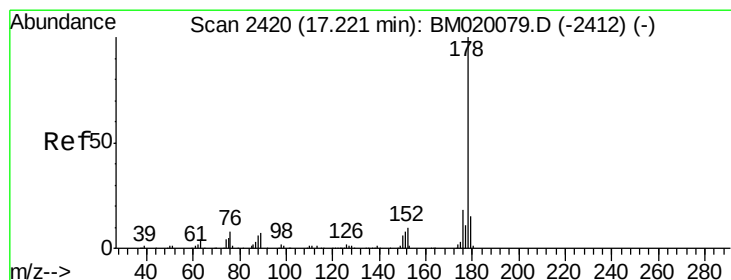
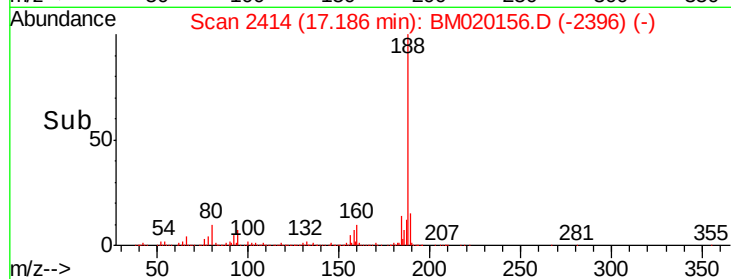
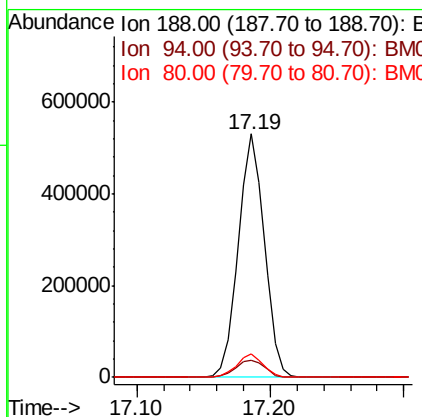
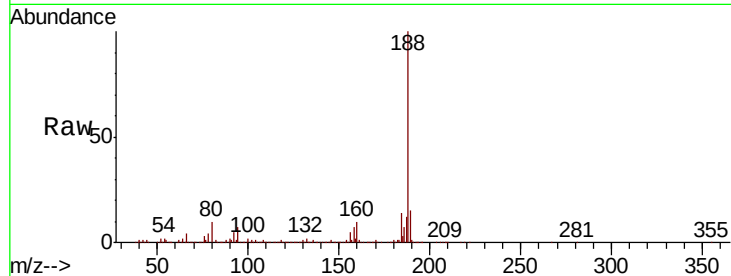
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	718459		
94	7.3		5.8	8.6
80	9.7		7.4	11.2

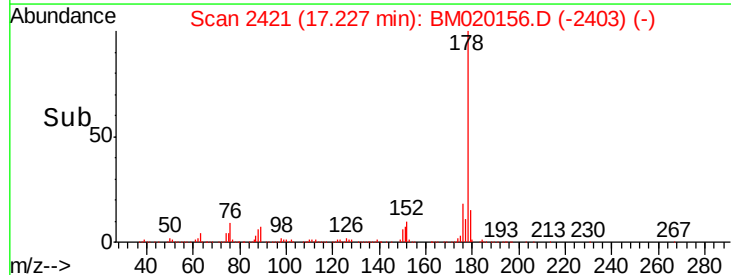
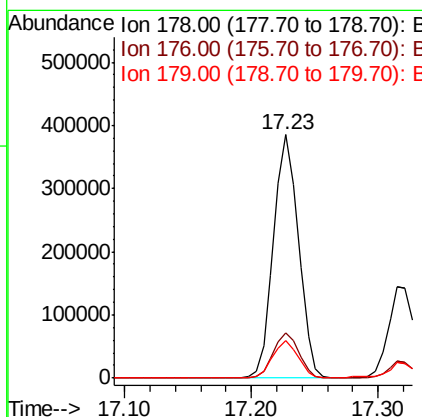
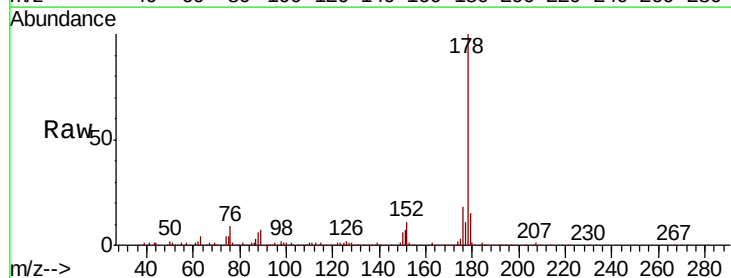
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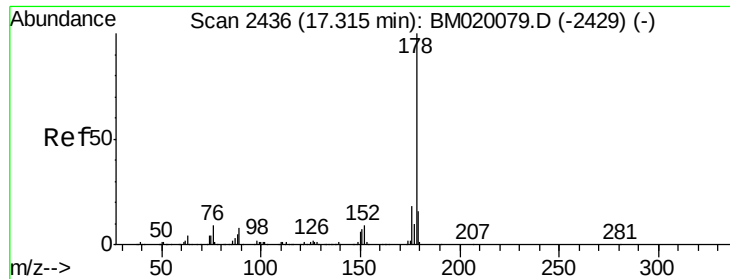
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#71
Phenanthrene
Concen: 13.286 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	526903		
176	18.4		14.6	21.8
179	15.2		12.4	18.6





#72

Anthracene

Concen: 5.142 ng

RT: 17.32 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

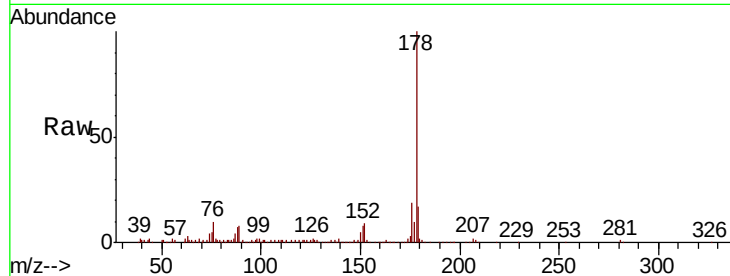
ClientSampleId :

SB-13-COMP

Tot Ion:	178	Resp:	203908
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.6	22.0
179	16.9	12.4	18.6

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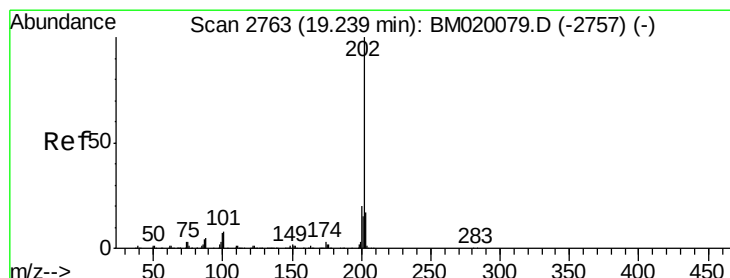
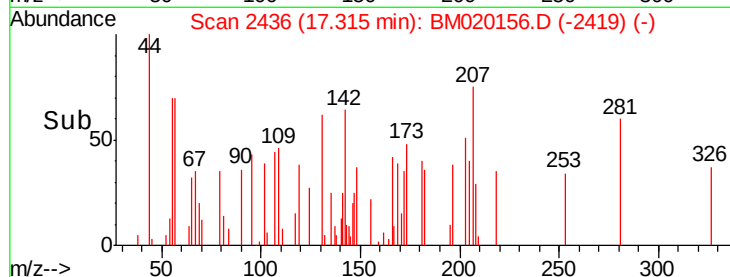
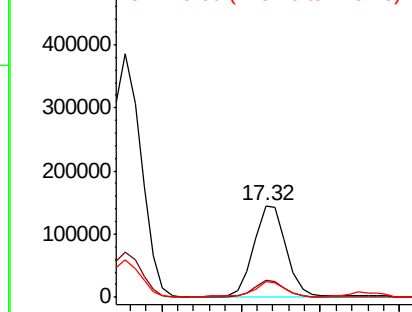


Abundance

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: 27.303 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

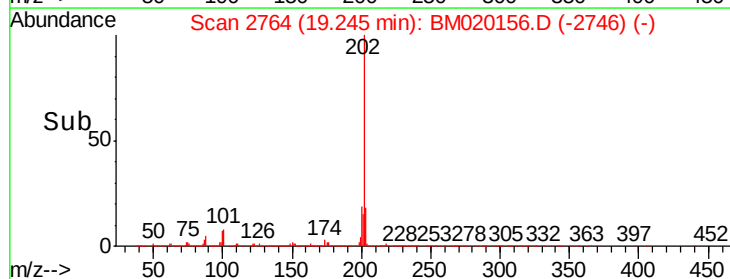
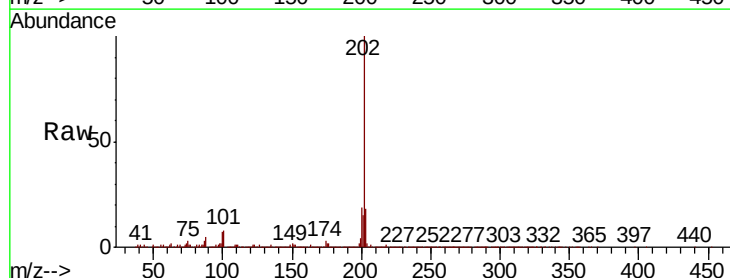
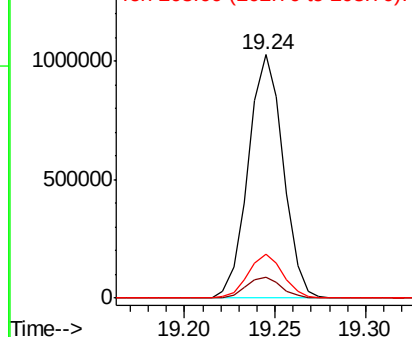
Tgt Ion:	202	Resp:	1370062
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	28.4
203	18.2	0.0	37.4

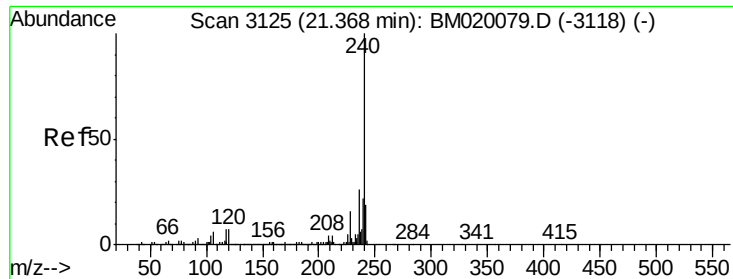
Abundance

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





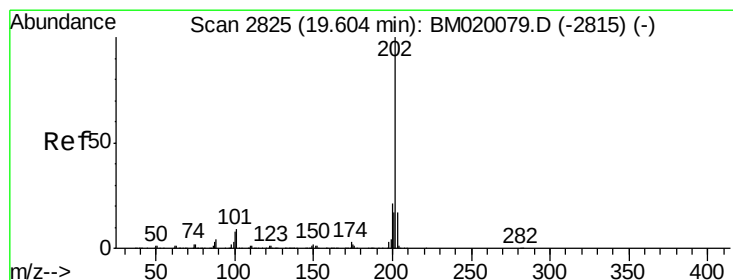
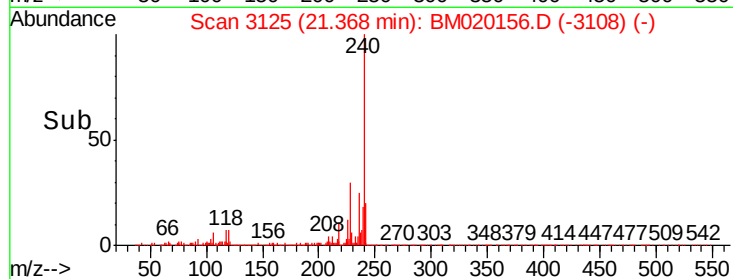
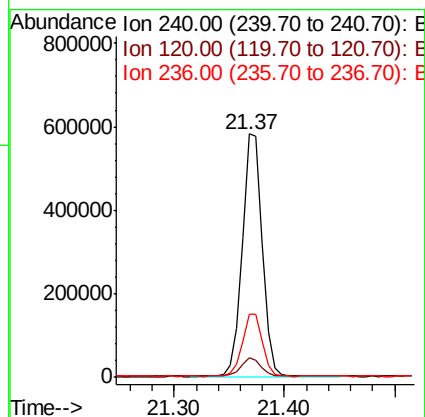
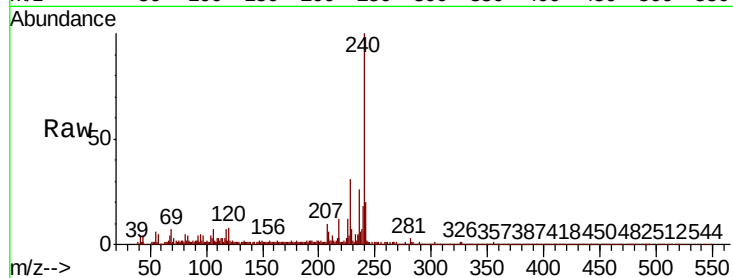
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.8	5.6	8.4
236	25.9	20.9	31.3

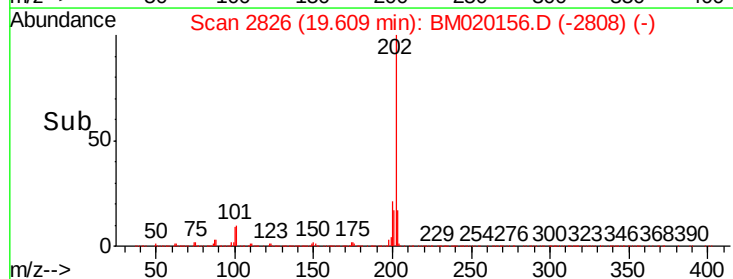
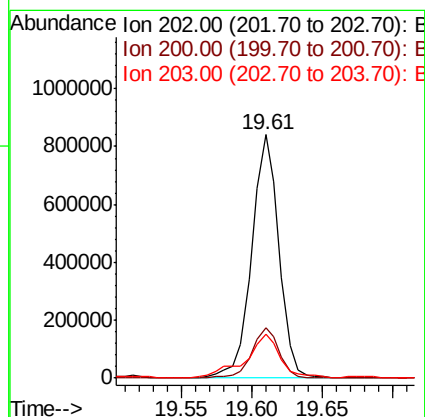
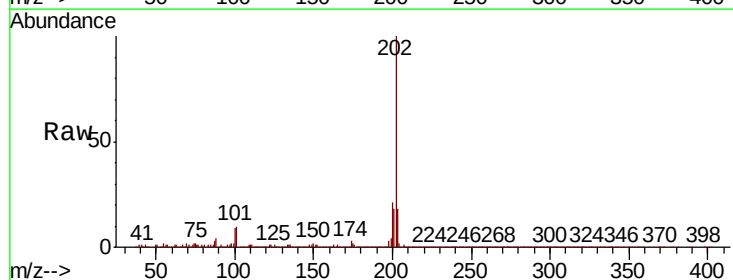
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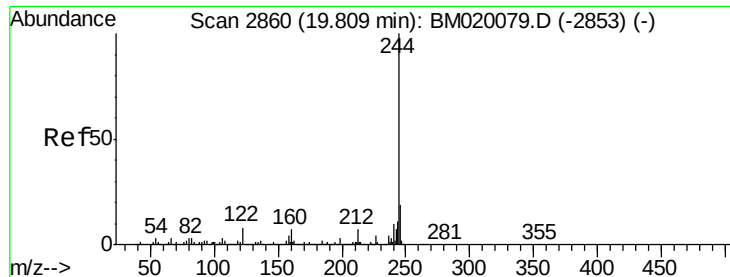
mohammad
5/7/2019 3:12:12 PM



#78
Pyrene
Concen: 22.822 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	18.0	13.9	20.9





#79

Terphenyl-d14

Concen: 15.119 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

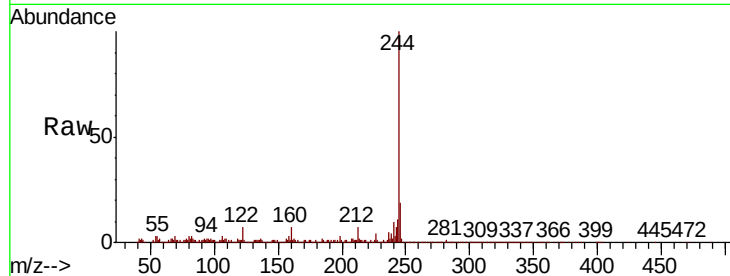
ClientSampleId :

SB-13-COMP

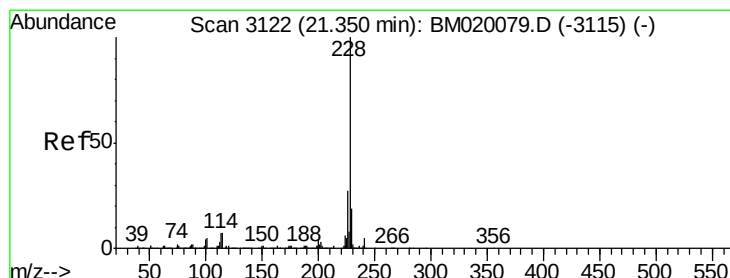
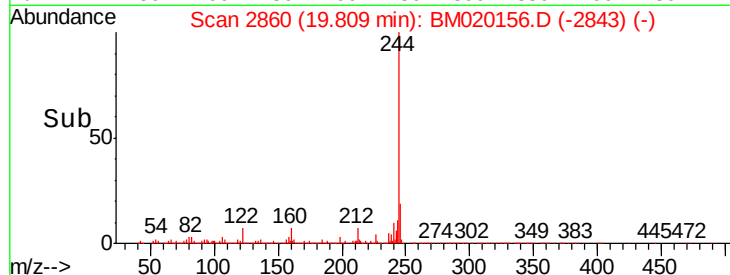
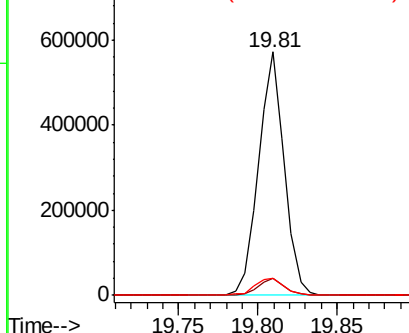
Tot Ion:	244	Resp:	642394
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	7.0	6.2	9.2

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



#81

Benzo(a)anthracene

Concen: 14.498 ng

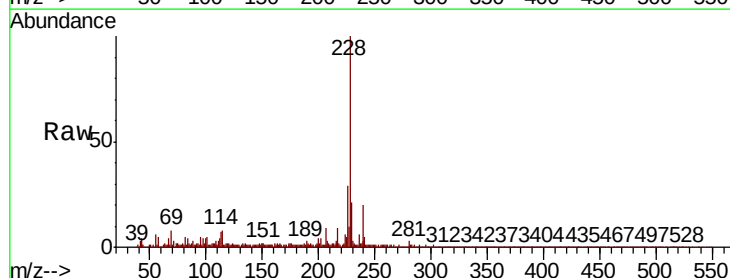
RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

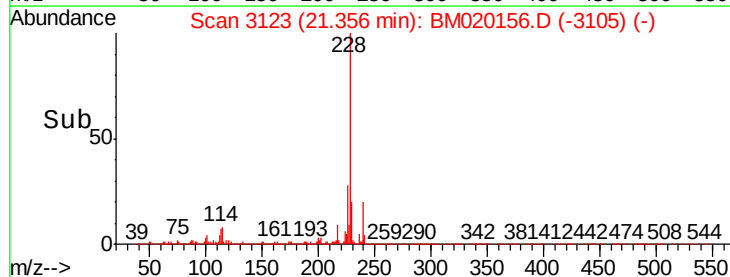
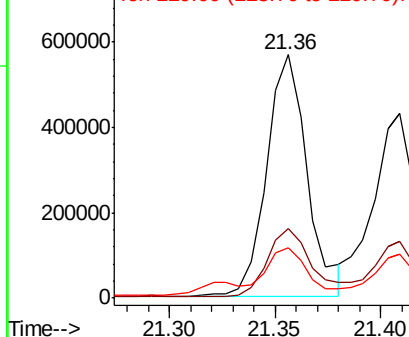
Lab File: BM020156.D

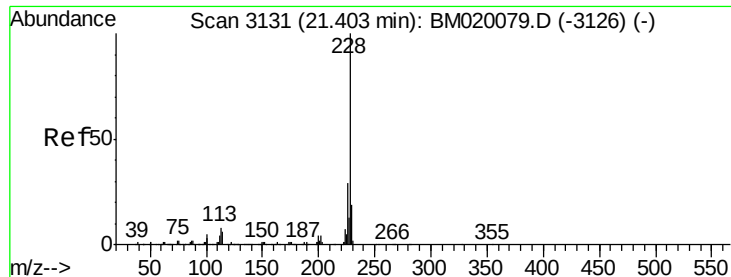
Acq: 07 May 2019 06:26

Tgt Ion:	228	Resp:	753508
Ion Ratio	Lower	Upper	
228	100		
226	28.7	21.3	31.9
229	20.8	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





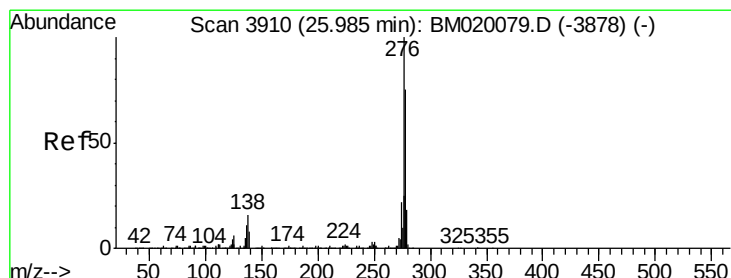
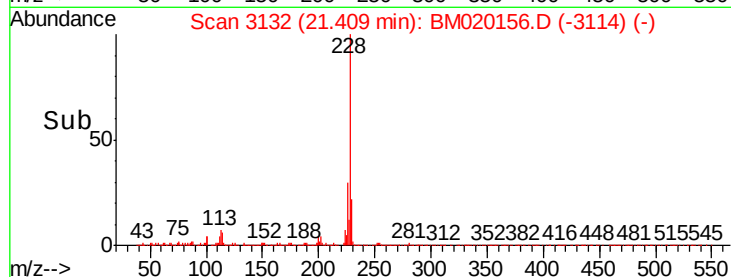
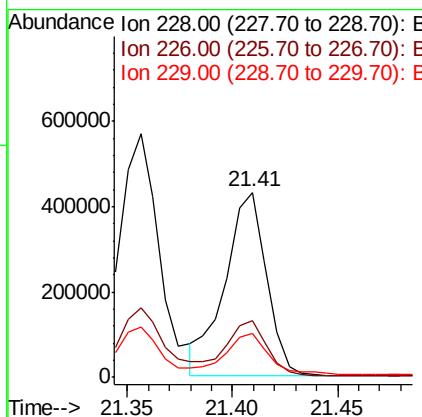
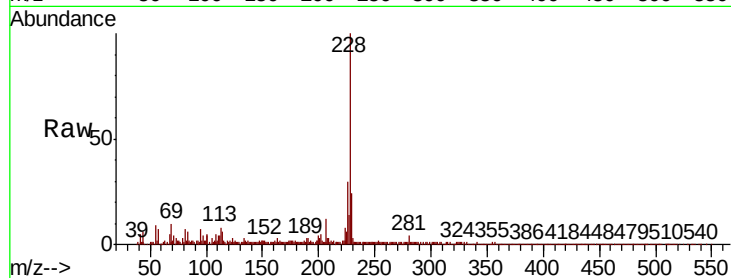
#83
Chrysene
Concen: 11.768 ng/mL
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.6
229	23.8	15.5	23.3

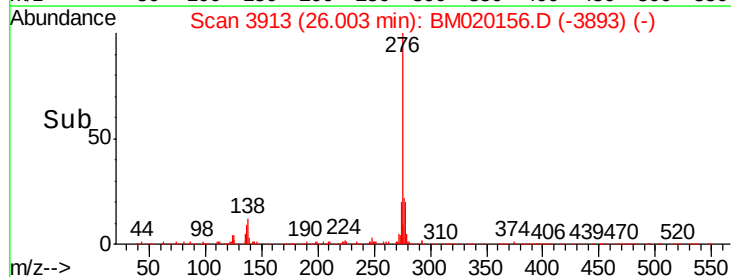
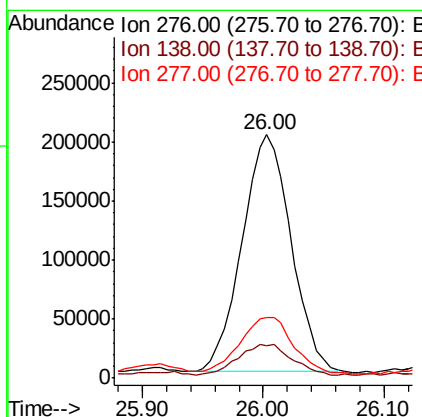
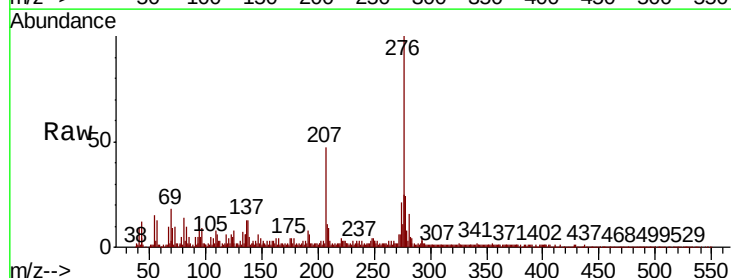
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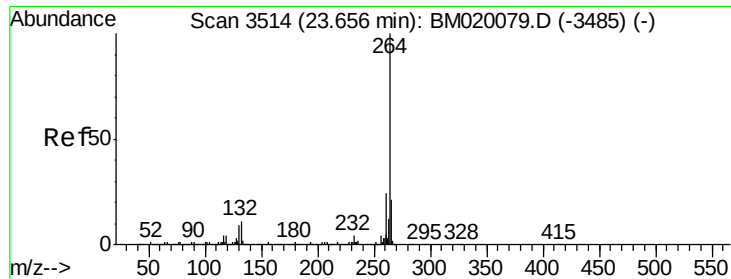
mohammad
5/7/2019 3:12:12 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.433 ng
RT: 26.00 min Scan# 3913
Delta R.T. 0.02 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	0.0	0.0
277	24.7	0.0	0.0





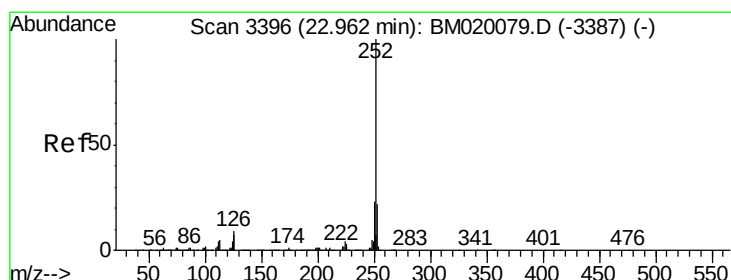
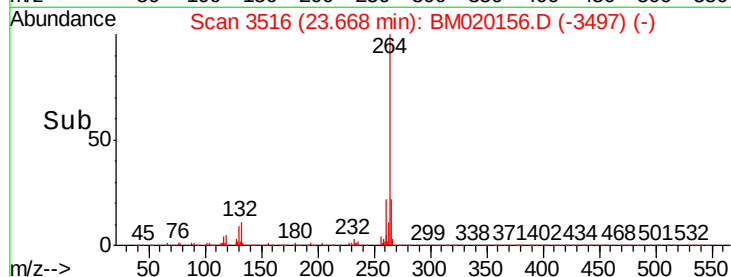
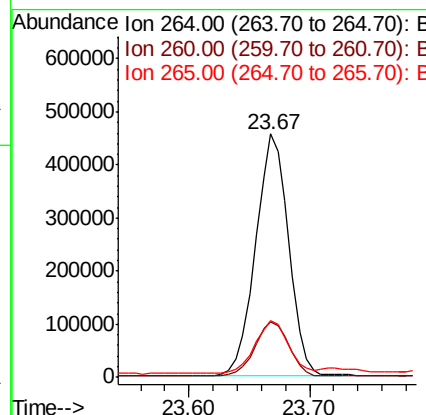
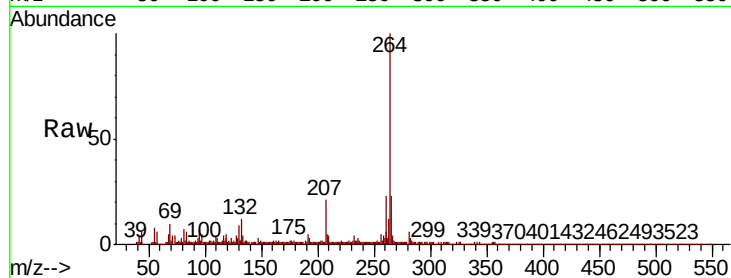
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.67 min Scan# 3516
 Delta R.T. 0.01 min
 Lab File: BM020156.D
 Acq: 07 May 2019 06:26

Instrument :
 BNA_M
 ClientSampleId :
 SB-13-COMP

Tot Ion:	264	Resp:	862357
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	23.1	16.9	25.3

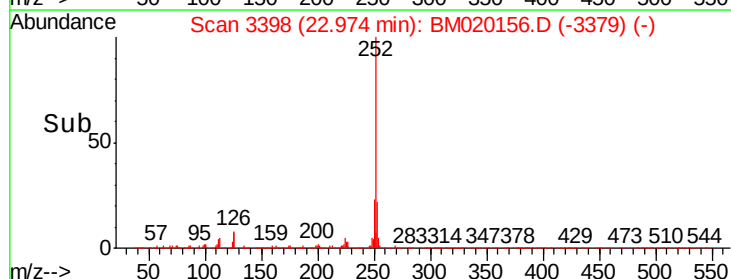
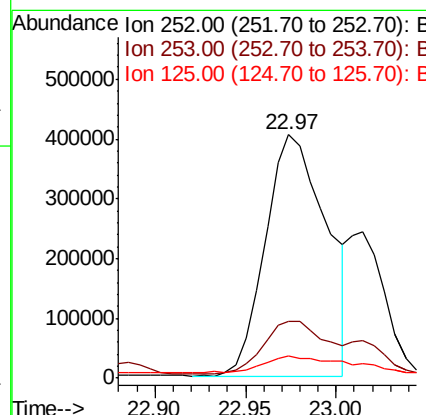
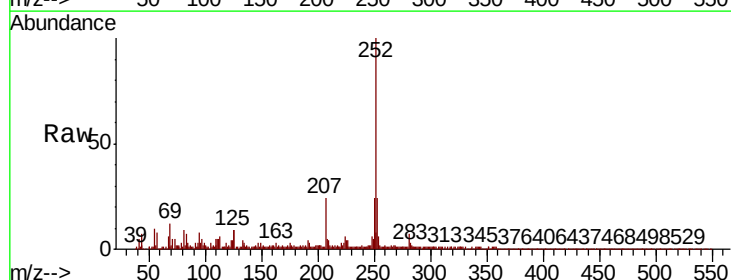
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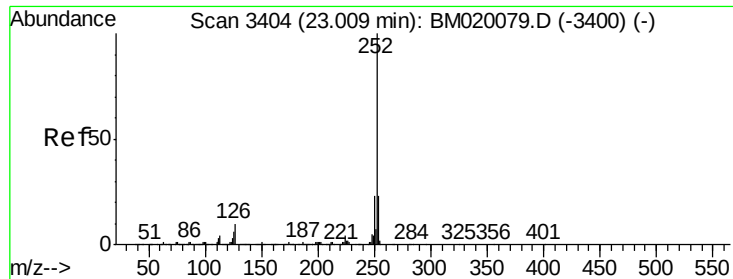
mohammad
 5/7/2019 3:12:12 PM



#88
 Benzo(b)fluoranthene
 Concen: 16.731 ng
 RT: 22.97 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: BM020156.D
 Acq: 07 May 2019 06:26

Tgt Ion:	252	Resp:	952768
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	9.2	5.4	8.2#





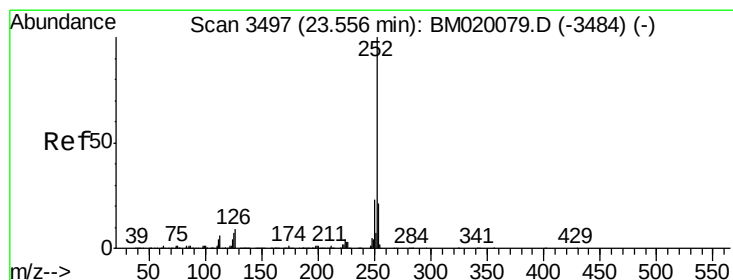
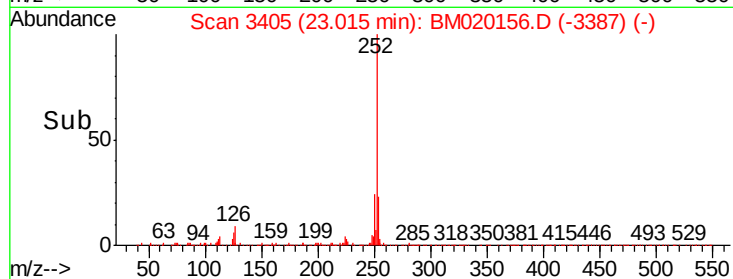
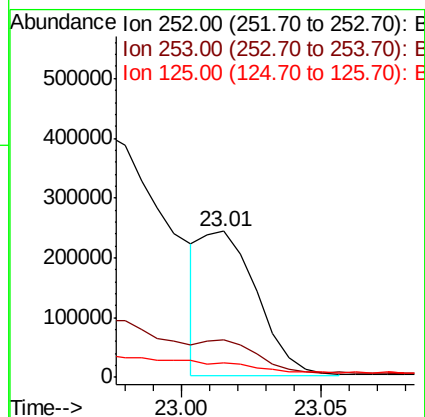
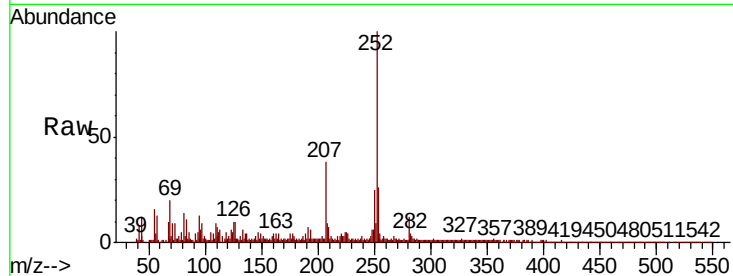
#89
Benzo(k)fluoranthene
Concen: 6.370 ng m
RT: 23.01 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.8	26.8
125	10.0	5.4	8.0

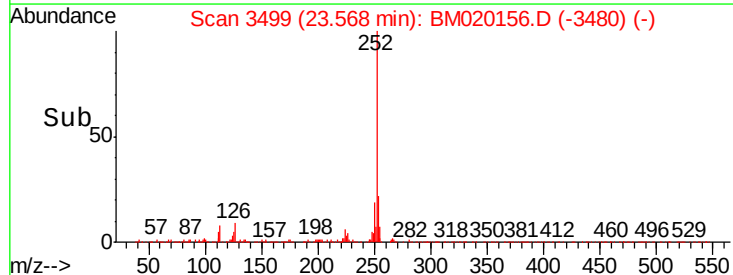
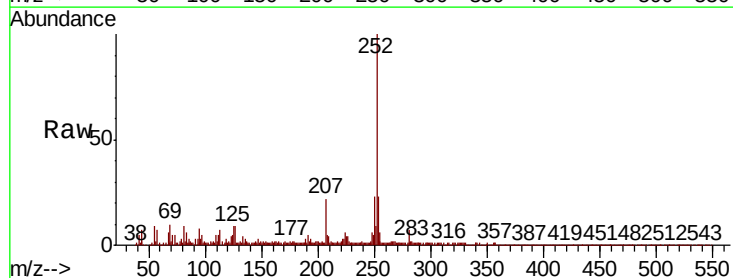
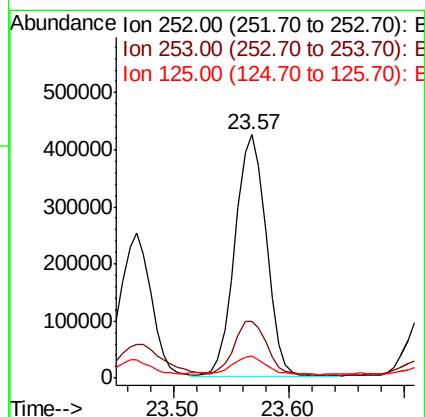
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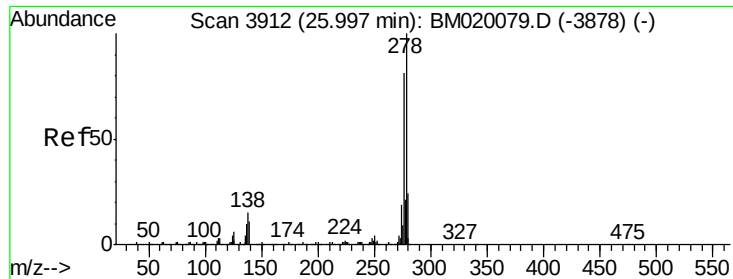
mohammad
5/7/2019 3:12:12 PM



#90
Benzo(a)pyrene
Concen: 15.409 ng
RT: 23.57 min Scan# 3499
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	9.3	5.5	8.3





#91

Dibenzo(a,h)anthracene

Concen: 2.838 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

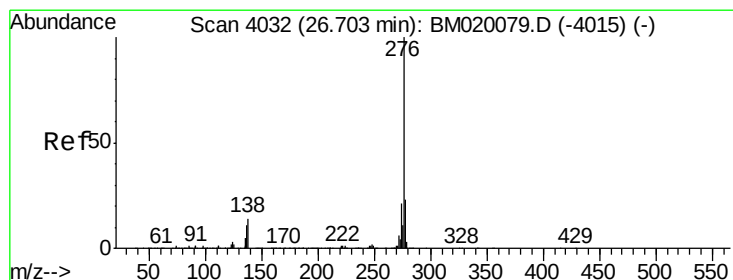
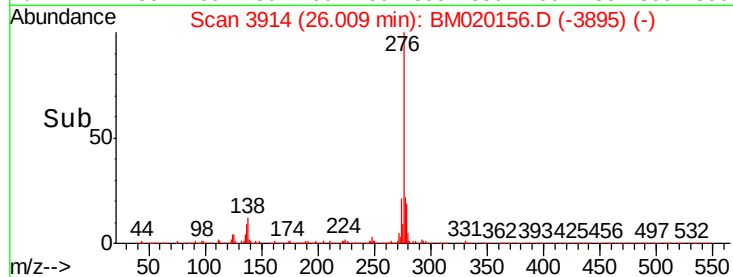
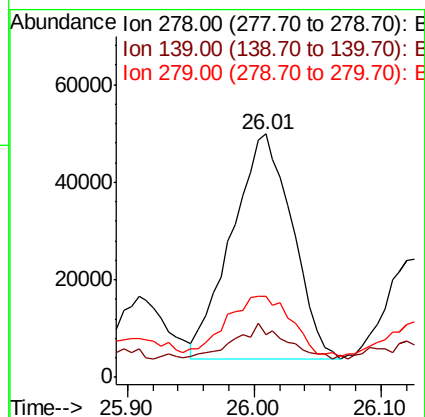
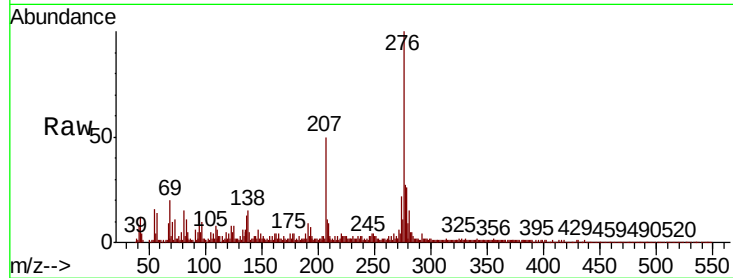
ClientSampleId :

SB-13-COMP

Tot Ion:	278	Resp:	152668
Ion	Ratio	Lower	Upper
278	100		
139	17.5	8.6	13.0#
279	33.4	18.8	28.2#

Manual Integrations
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mohammad
5/7/2019 3:12:12 PM



#92

Benzo(g,h,i)perylene

Concen: 10.043 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Tgt Ion:	276	Resp:	512898
Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.4	27.6
138	14.3	11.1	16.7

