

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020152.D
 Acq On : 07 May 2019 04:03
 Operator : JU/SJ
 Sample : K2673-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Manual Integrations
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mohammad
 5/7/2019 3:12:00 PM

Quant Time: May 07 05:38:53 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	181688	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	644403	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	348431	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	791972	20.00	ng	0.00
76) Chrysene-d12	21.37	240	800795	20.00	ng	0.00
87) Perylene-d12	23.66	264	943396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	271119	24.39	ng	0.00
7) Phenol-d6	6.96	99	367301	24.19	ng	0.00
23) Nitrobenzene-d5	8.96	82	242941	14.88	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	123422	22.82	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	415855	14.68	ng	0.00
79) Terphenyl-d14	19.80	244	577403	12.58	ng	0.00
Target Compounds						
49) Acenaphthylene	14.16	152	150367	4.103	ng	99
50) Dimethylphthalate	13.89	163	83063	2.805	ng	97
71) Phenanthrene	17.23	178	682603	15.614	ng	99
72) Anthracene	17.32	178	220569	5.046	ng	99
75) Fluoranthene	19.24	202	1328390	24.016	ng	99
78) Pyrene	19.60	202	1144494	21.287	ng	100
81) Benzo(a)anthracene	21.35	228	783149	13.945	ng	97
83) Chrysene	21.40	228	707518	12.990	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	593590	9.162	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1118406m	17.953	ng	
89) Benzo(k)fluoranthene	23.01	252	392172m	6.901	ng	
90) Benzo(a)pyrene	23.56	252	749794	13.251	ng	# 93
91) Dibenzo(a,h)anthracene	26.01	278	155883	2.649	ng	# 79
92) Benzo(a,h,i)perylene	26.72	276	530663	9.498	ng	95

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

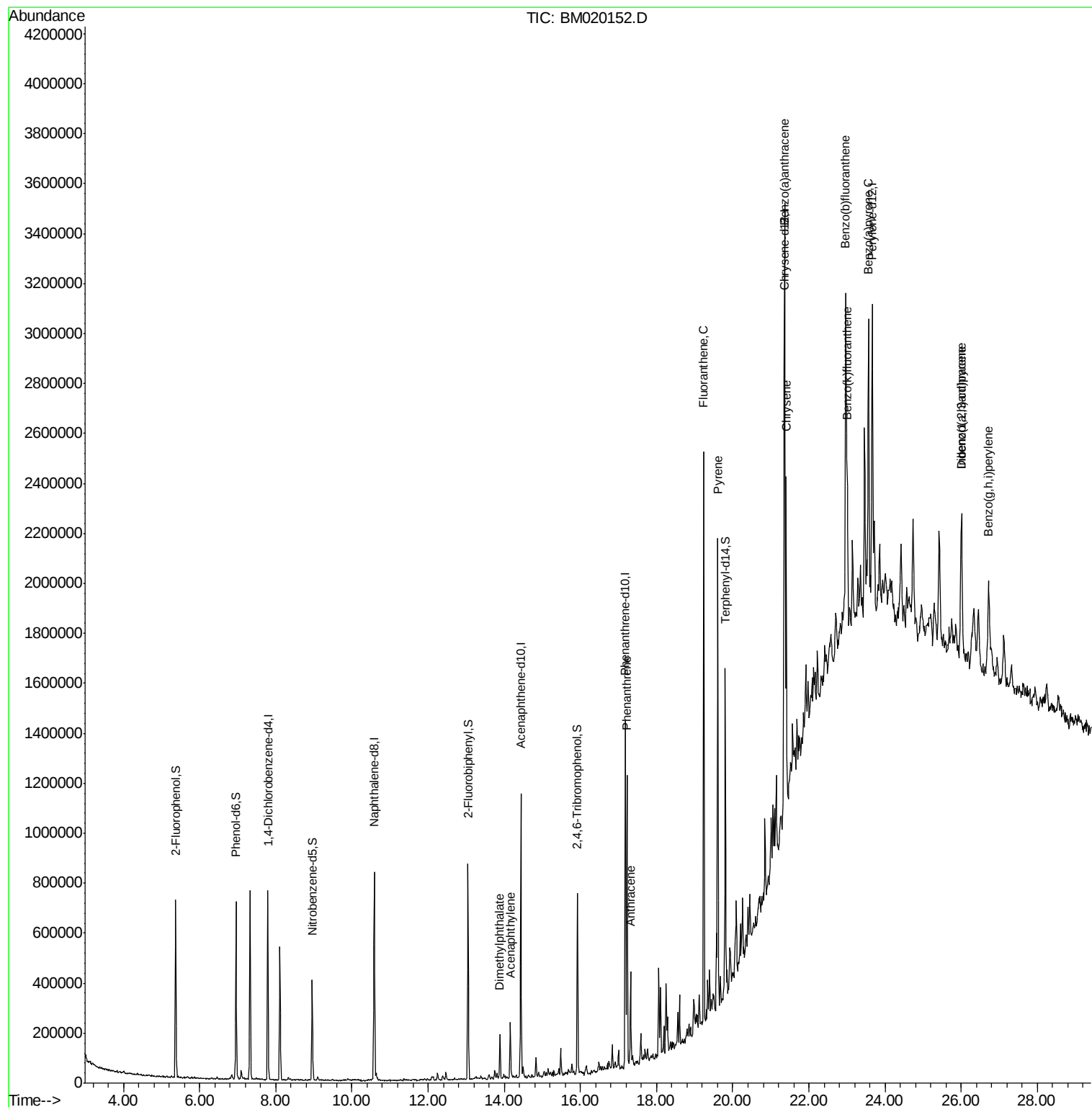
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
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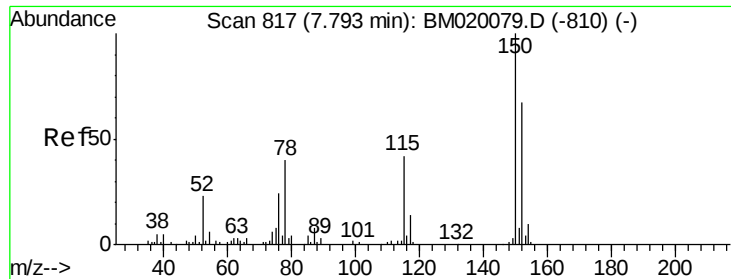
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
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#1

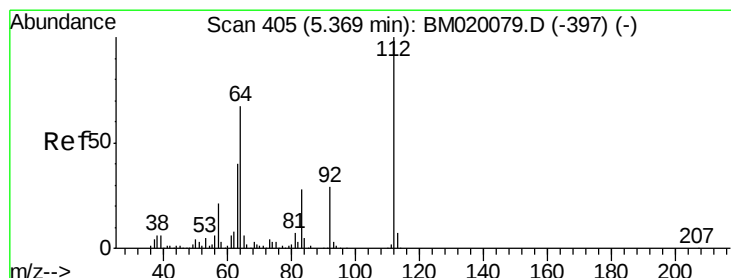
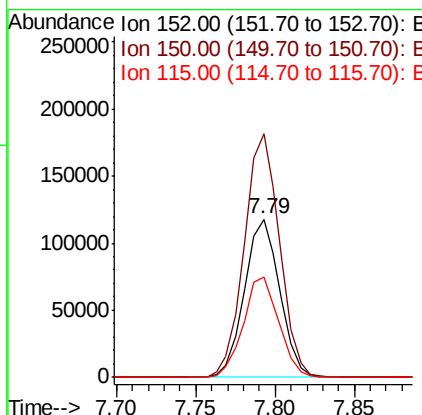
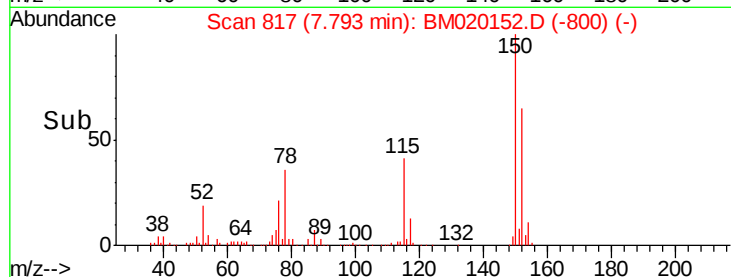
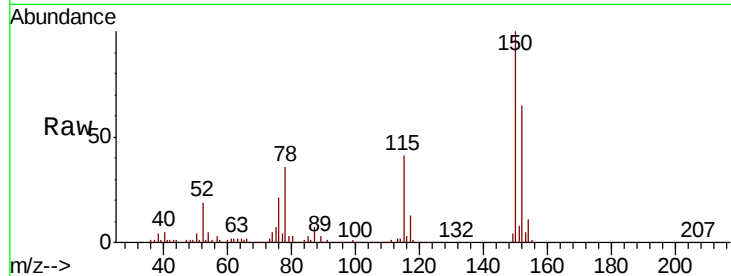
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	119.8	179.8
115	63.4	50.8	76.2

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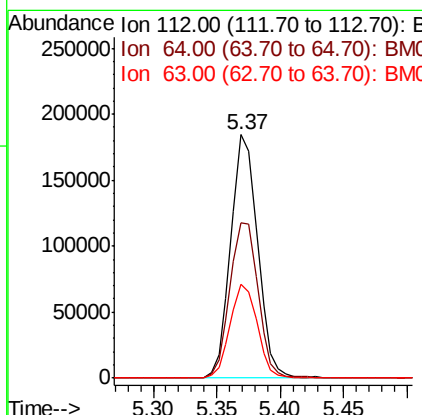
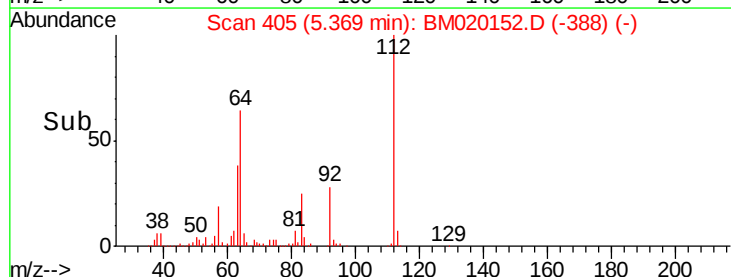
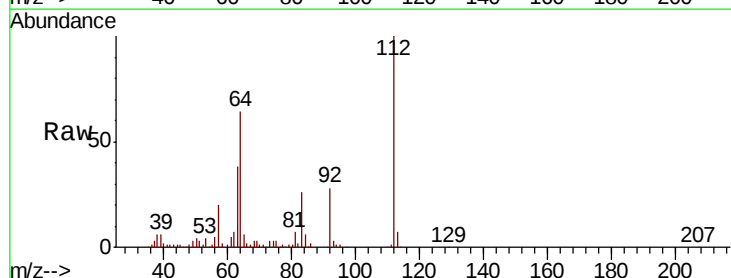
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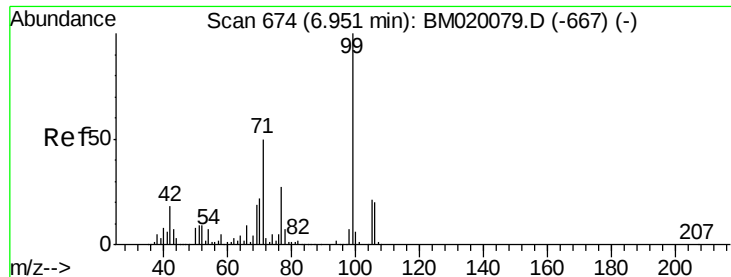


#5

2-Fluorophenol
Concen: 24.392 ng
RT: 5.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.8	80.6
63	38.4	32.3	48.5





#7

Phenol-d6

Concen: 24.189 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

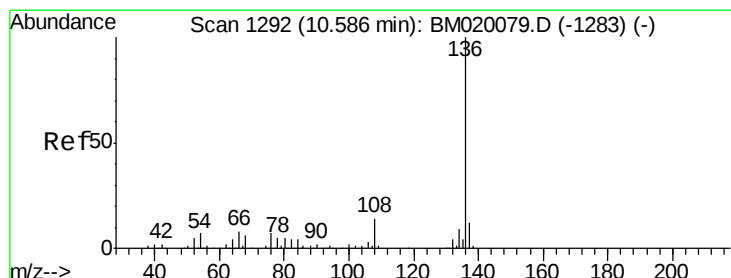
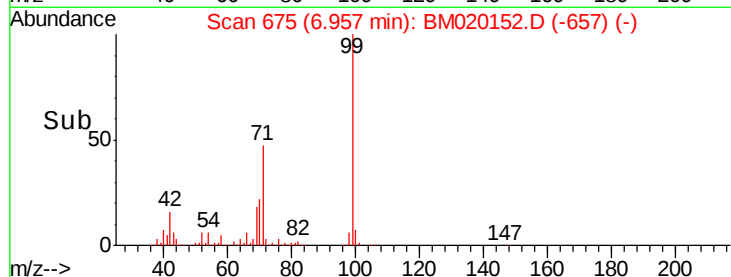
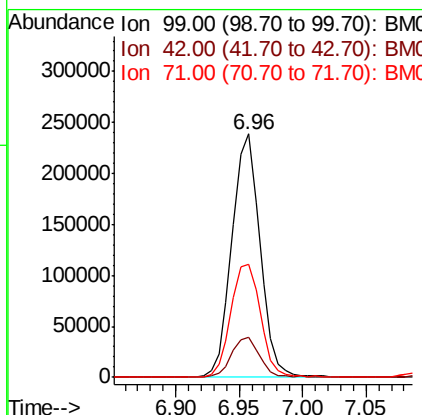
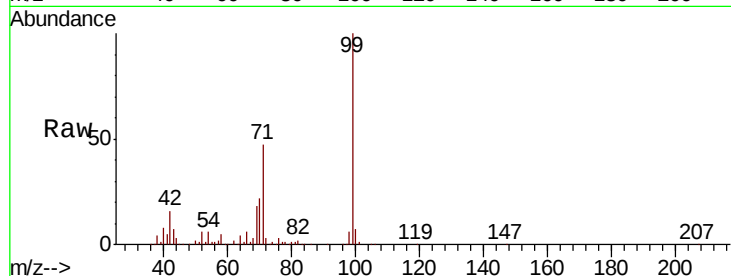
ClientSampleId :

SB-16-COMP

Tot Ion:	99	Resp:	367301
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.2	21.2
71	46.6	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

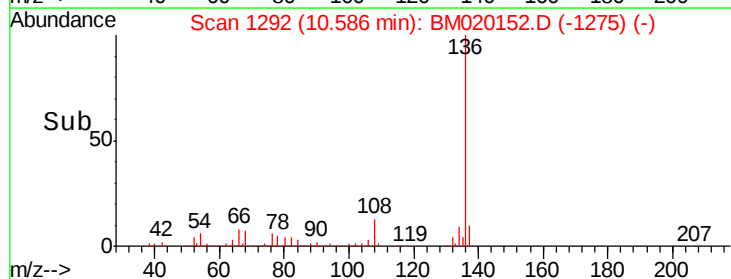
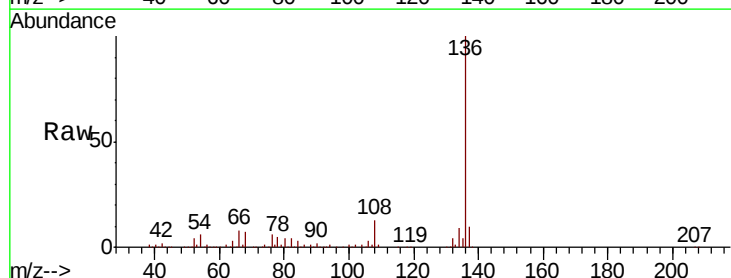
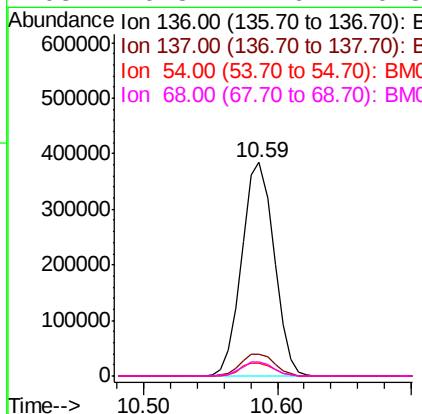
RT: 10.59 min Scan# 1292

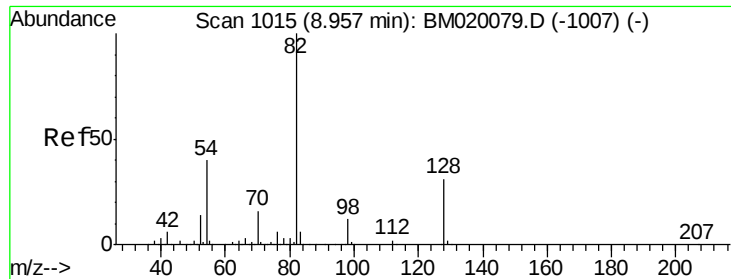
Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Tgt Ion:	136	Resp:	644403
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.6	14.4
54	5.9	5.5	8.3
68	6.8	4.6	6.8





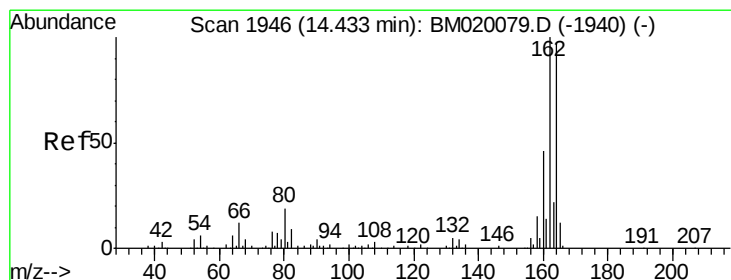
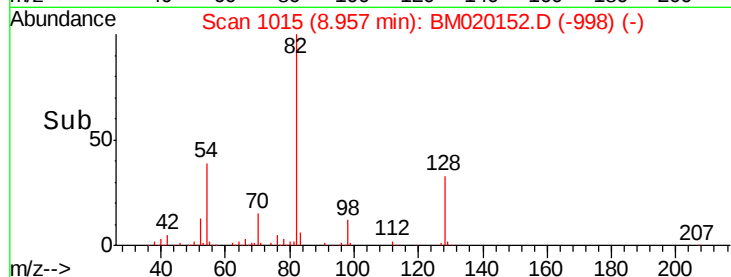
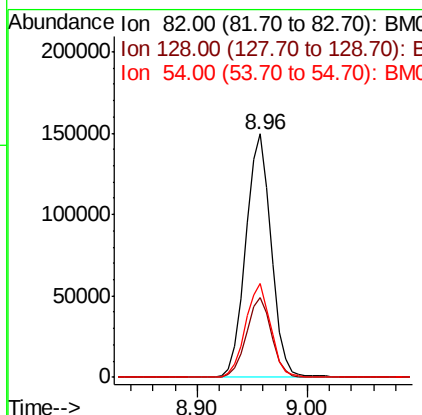
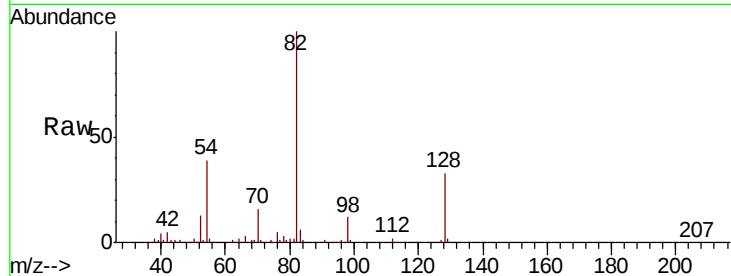
#23
Nitrobenzene-d5
Concen: 14.884 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	242941		
128	33.0	25.2	37.8	
54	38.5	31.9	47.9	

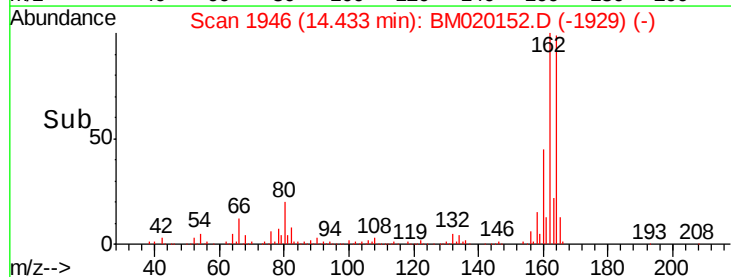
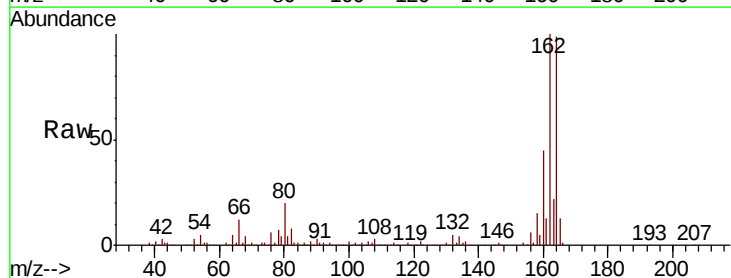
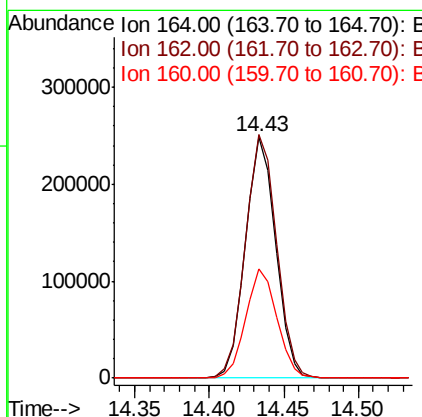
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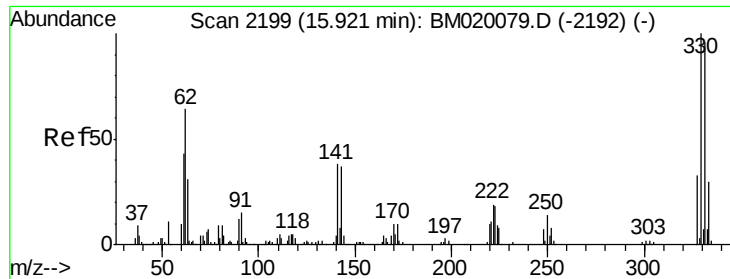
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	348431		
162	100.9	82.2	123.2	
160	45.1	37.6	56.4	





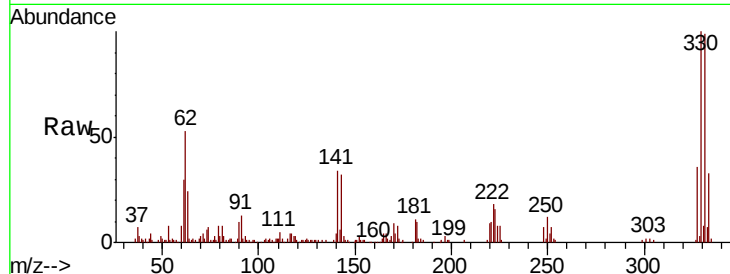
#42
 2,4,6-Tribromophenol
 Concen: 22.821 ng
 RT: 15.93 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	123422		
332	96.0	76.8	115.2	
141	33.5	29.2	43.8	

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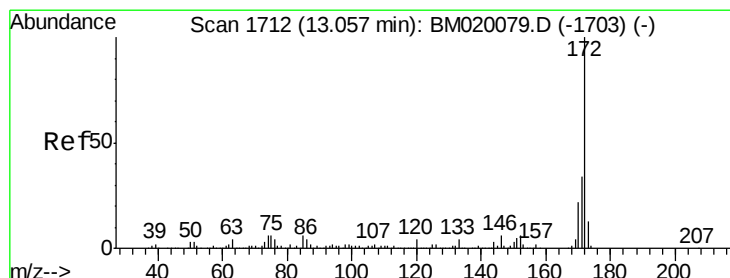
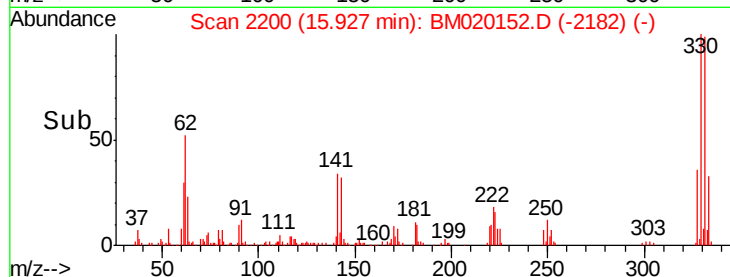
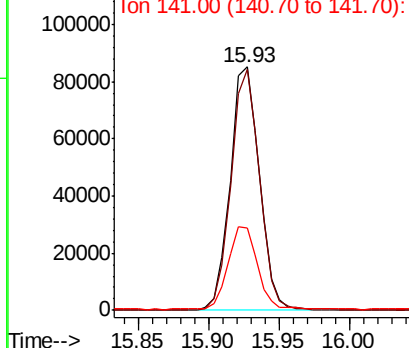


Abundance

Ion 329.80 (329.50 to 330.50): E

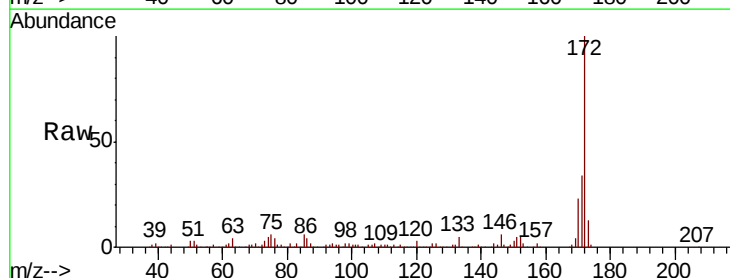
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 14.684 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	415855		
171	34.4	27.3	40.9	
170	22.8	17.9	26.9	

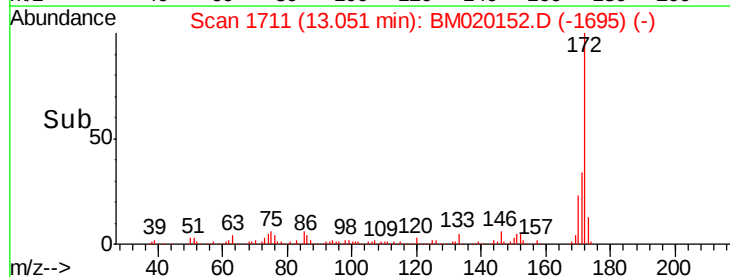
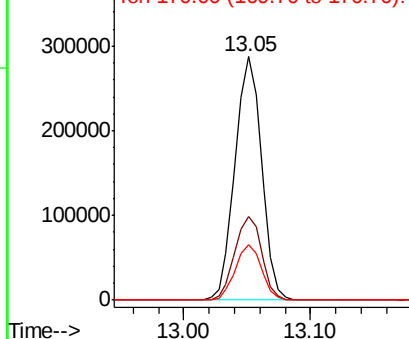


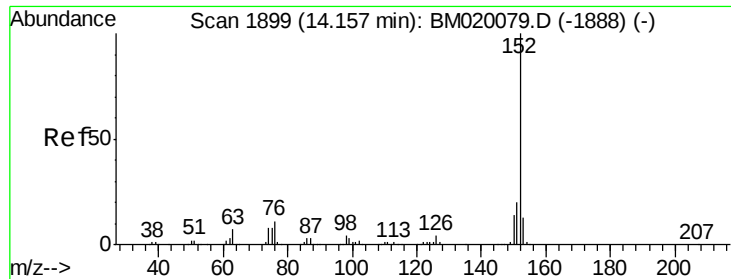
Abundance

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: 4.103 ng

RT: 14.16 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

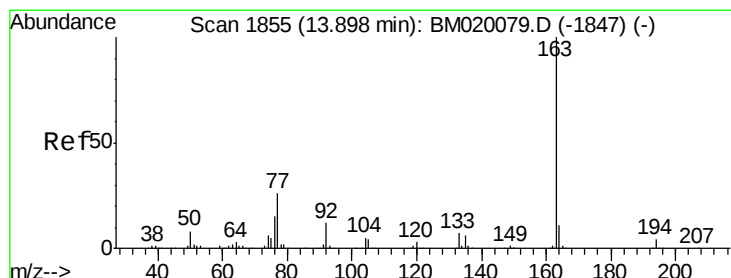
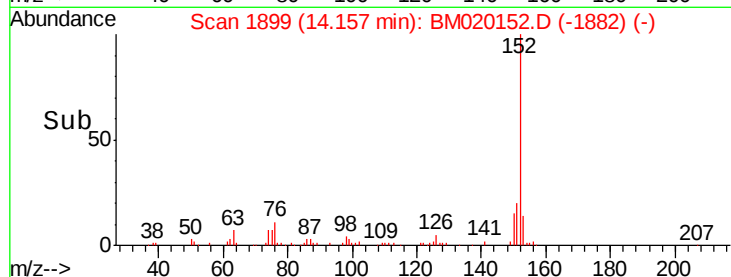
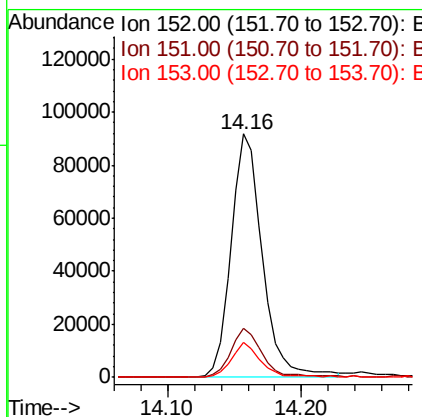
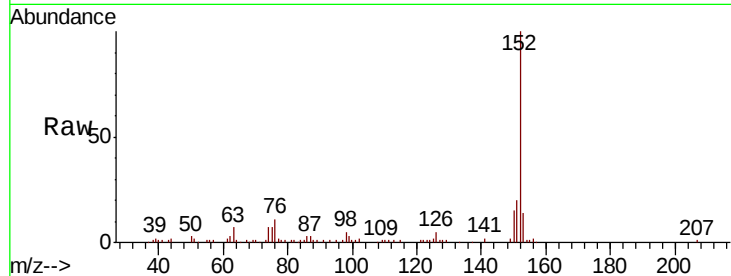
ClientSampleId :

SB-16-COMP

Tot Ion:	152	Resp:	150367
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.2
153	14.3	10.6	16.0

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#50

Dimethylphthalate

Concen: 2.805 ng

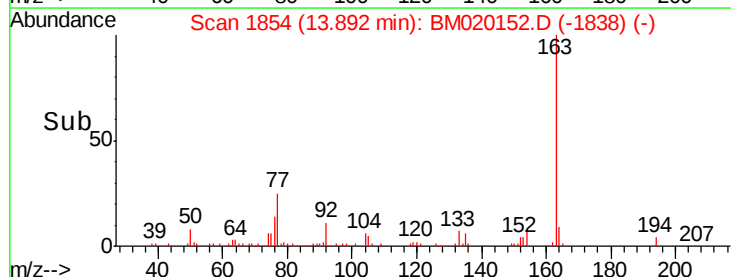
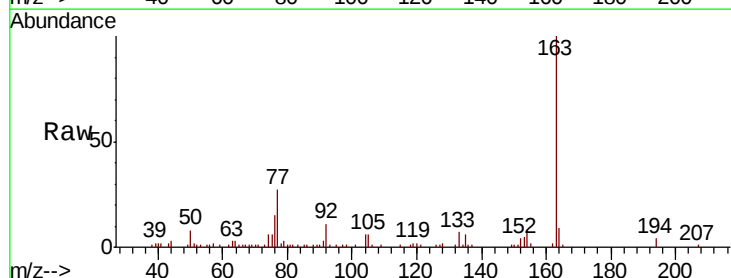
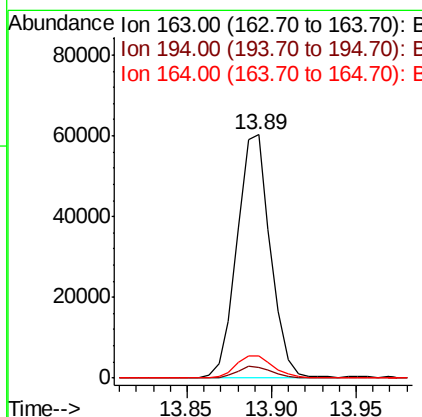
RT: 13.89 min Scan# 1854

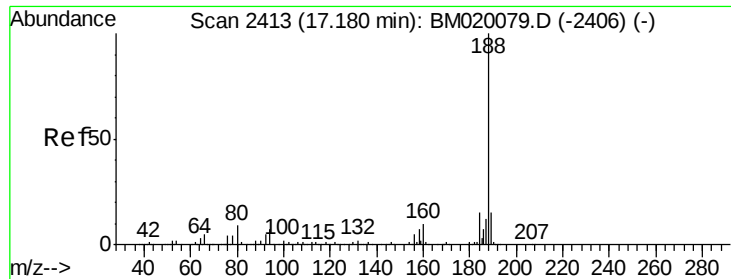
Delta R.T. -0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Tgt Ion:	163	Resp:	83063
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.6	5.4
164	9.0	8.4	12.6





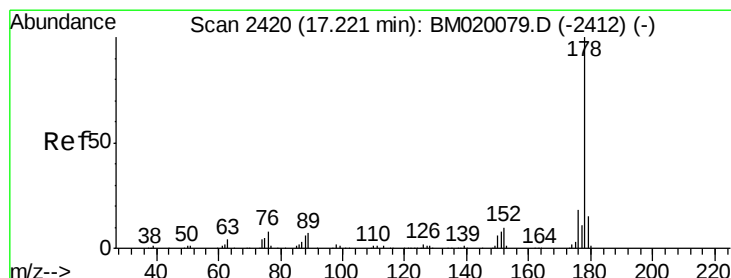
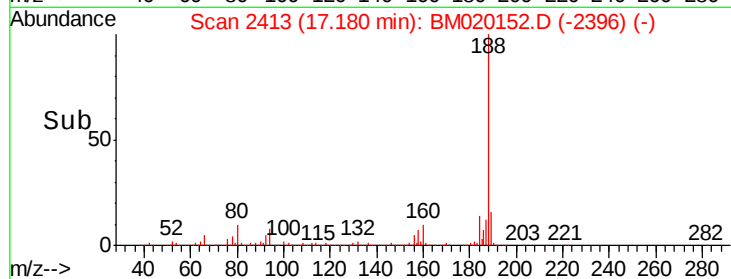
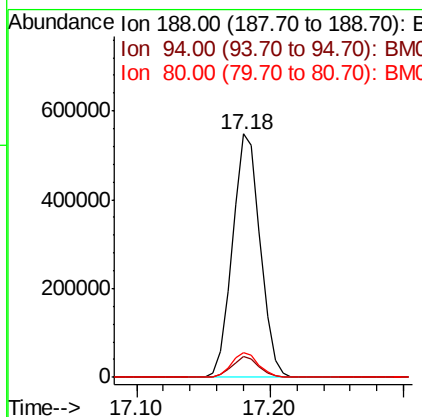
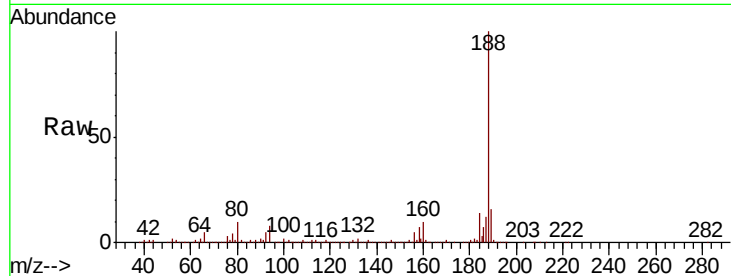
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.8	8.6
80	10.3	7.4	11.2

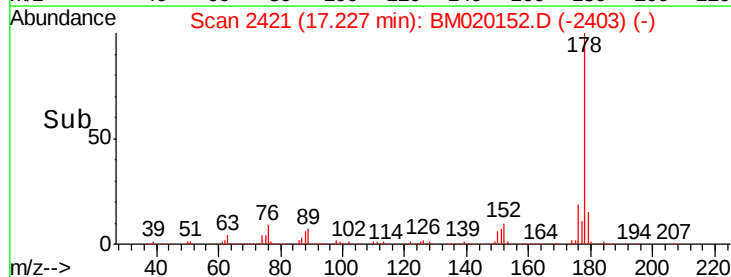
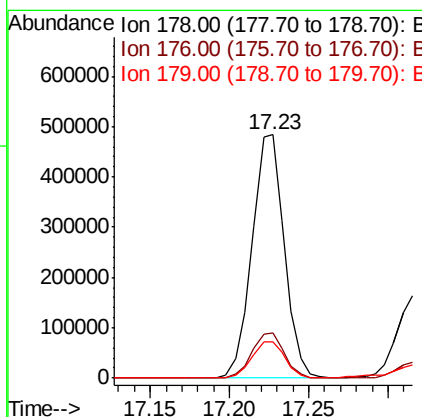
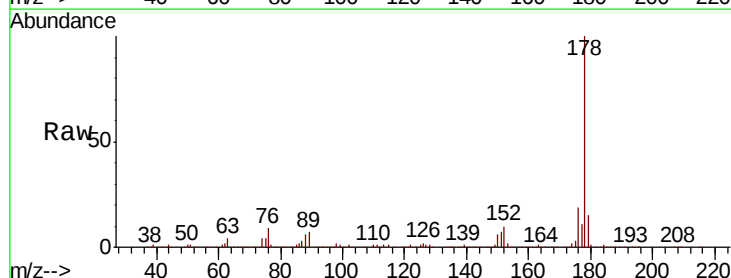
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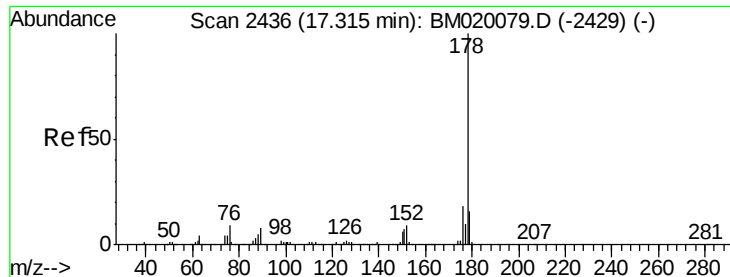
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#71
Phenanthrene
Concen: 15.614 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.1	12.4	18.6





#72

Anthracene

Concen: 5.046 ng

RT: 17.32 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

Tot Ion:178 Resp: 220569

Ion Ratio Lower Upper

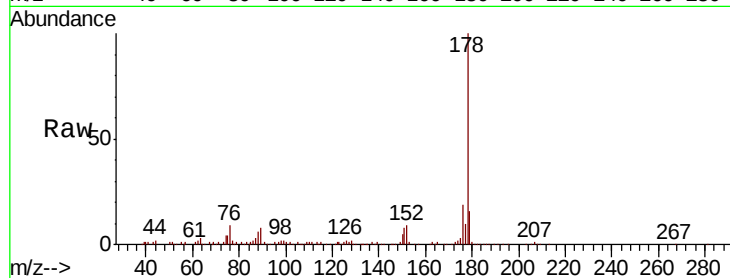
178 100

176 18.7 14.6 22.0

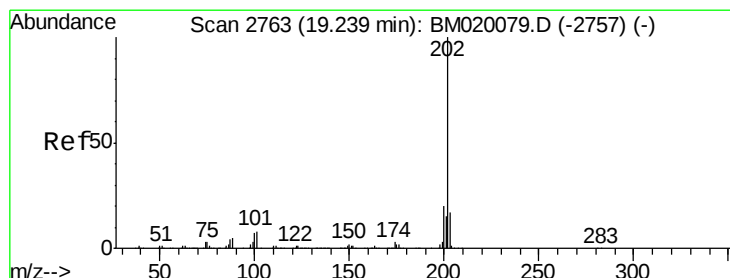
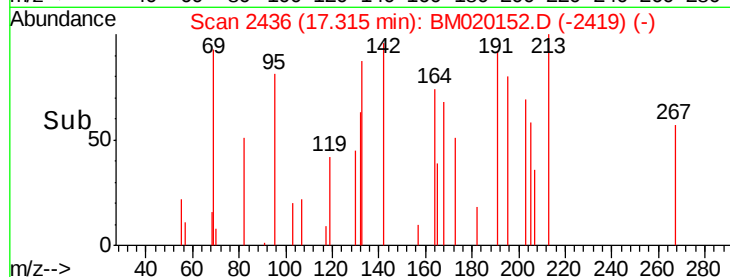
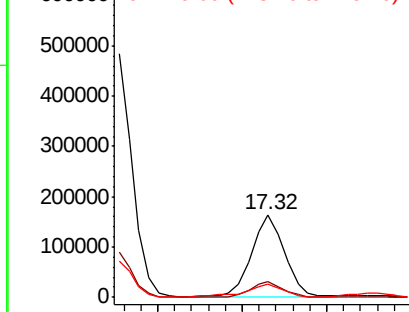
179 15.8 12.4 18.6

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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: 24.016 ng

RT: 19.24 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

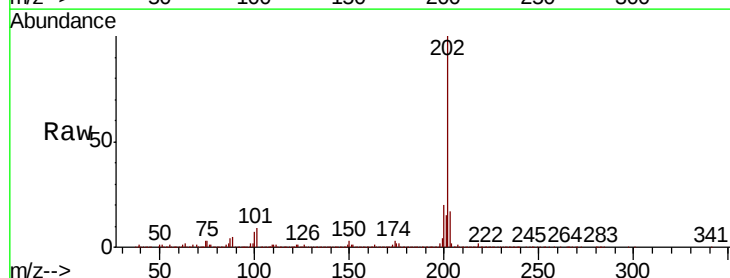
Tgt Ion:202 Resp: 1328390

Ion Ratio Lower Upper

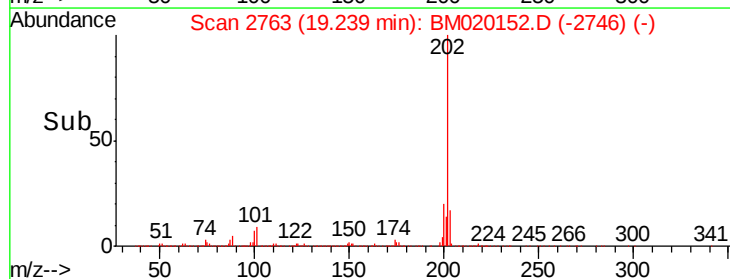
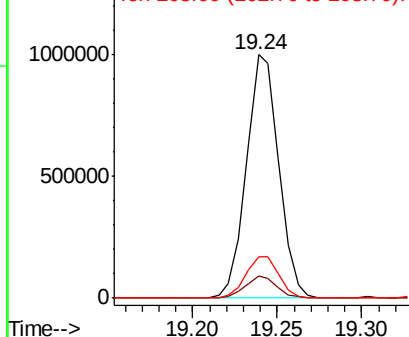
202 100

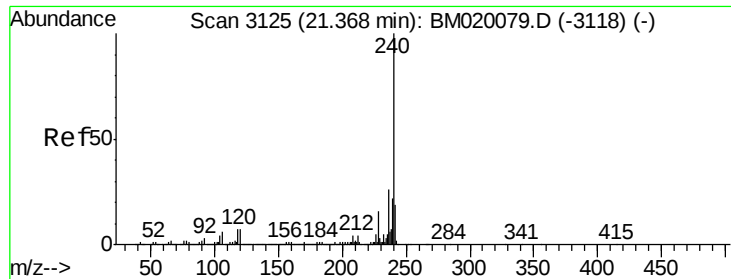
101 9.0 0.0 28.4

203 17.1 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





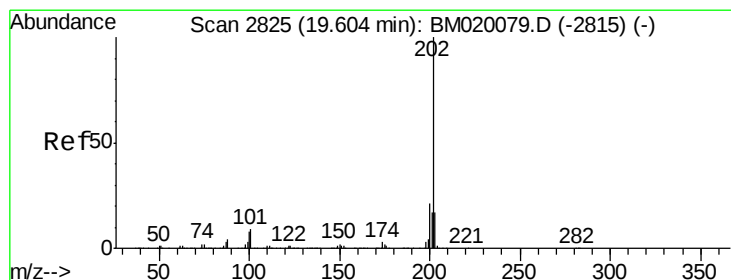
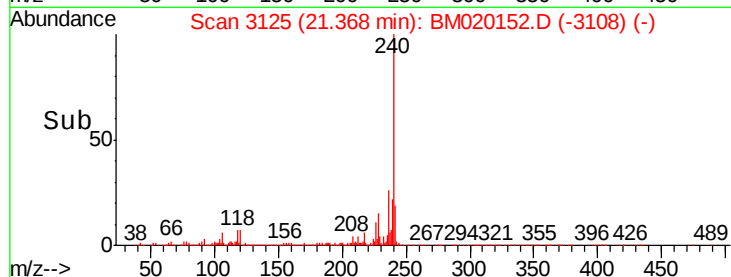
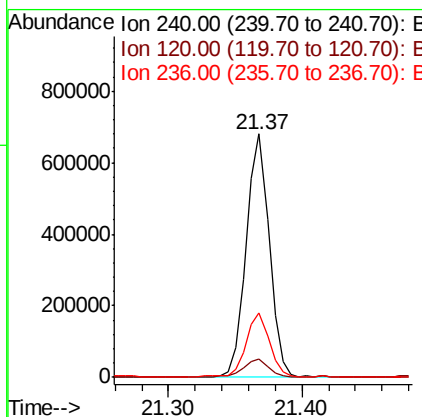
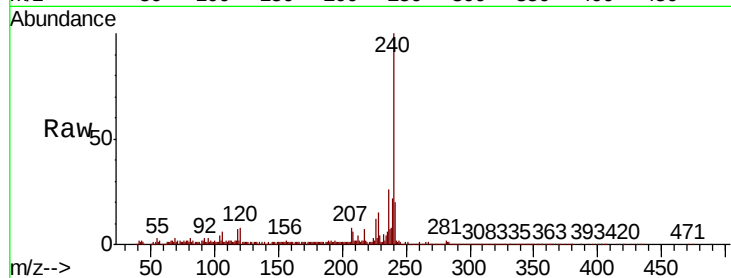
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.6	8.4
236	26.3	20.9	31.3

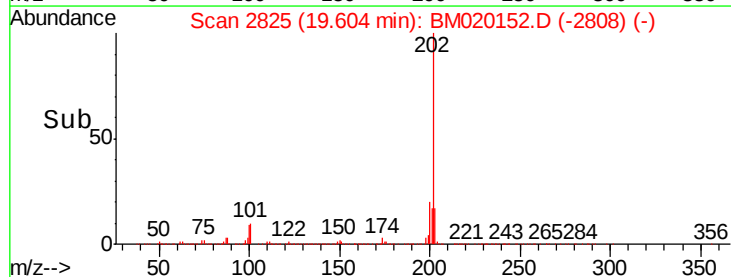
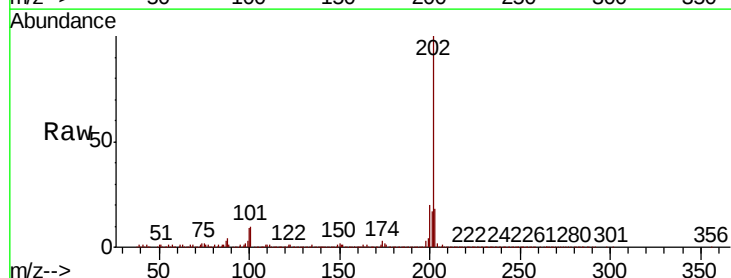
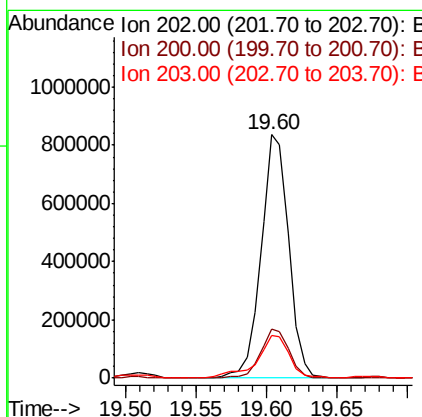
Manual Integrations
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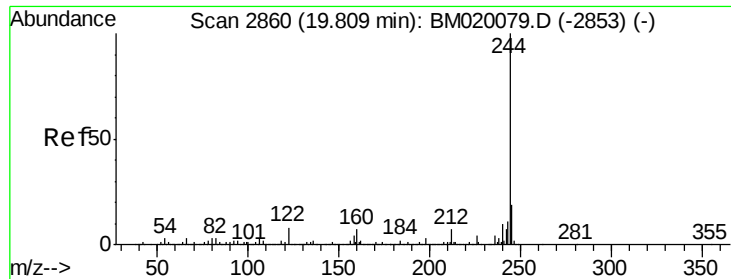
mohammad
5/7/2019 3:12:00 PM



#78
Pyrene
Concen: 21.287 ng
RT: 19.60 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	17.5	13.9	20.9





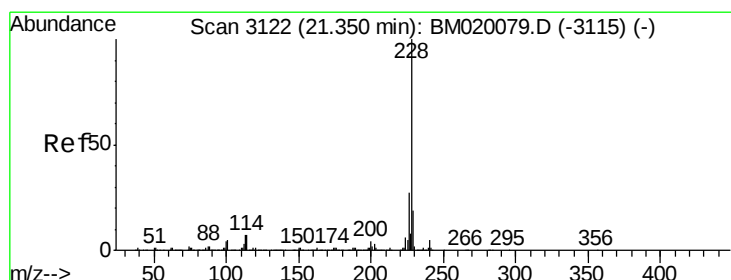
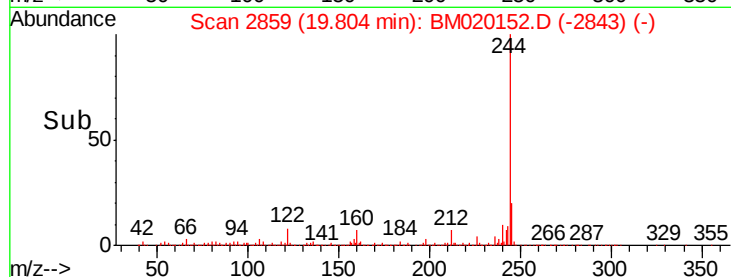
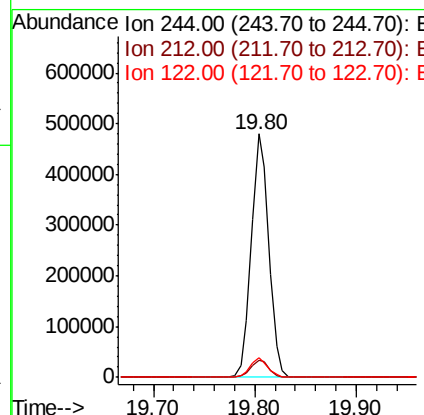
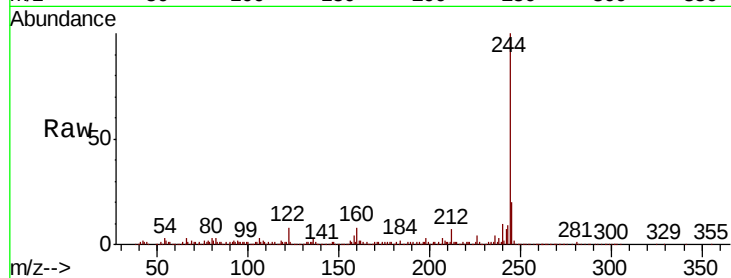
#79
 Terphenyl-d14
 Concen: 12.576 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	8.0	6.2	9.2

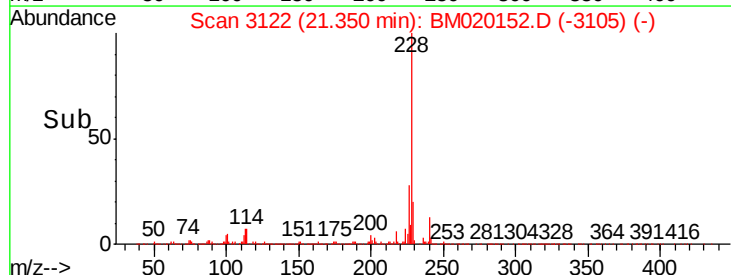
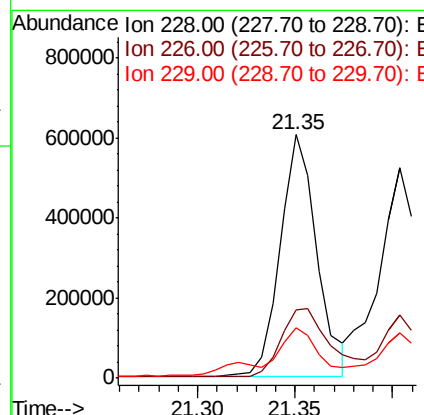
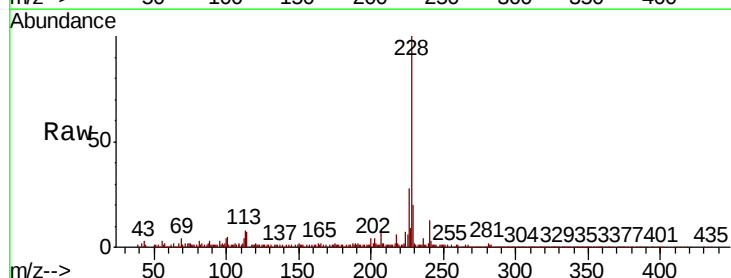
Manual Integrations
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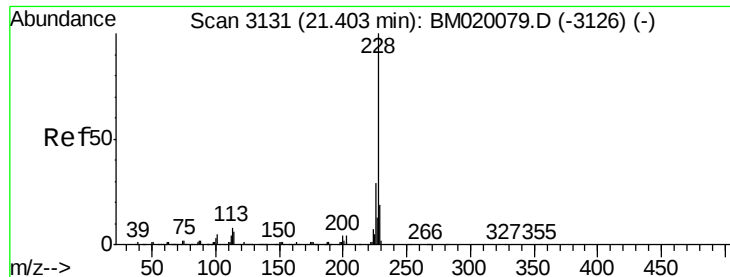
mohammad
 5/7/2019 3:12:00 PM



#81
 Benzo(a)anthracene
 Concen: 13.945 ng
 RT: 21.35 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: BM020152.D
 Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.3	31.9
229	20.5	15.5	23.3





#83

Chrysene

Concen: 12.990 ng

RT: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

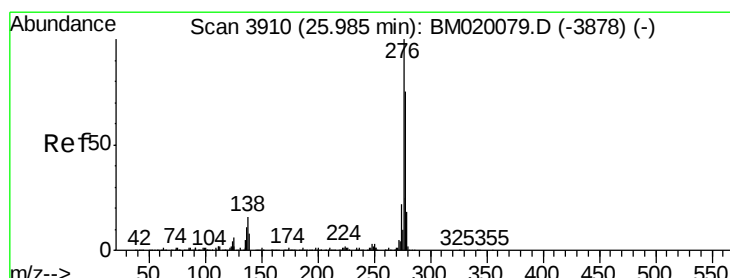
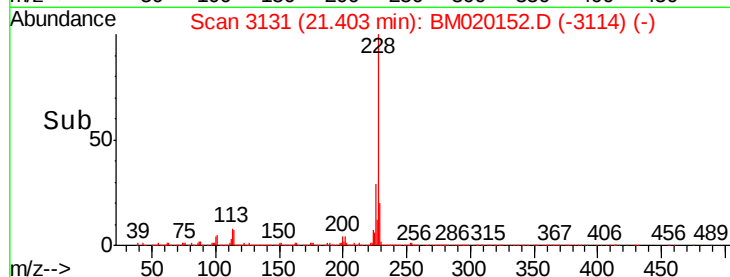
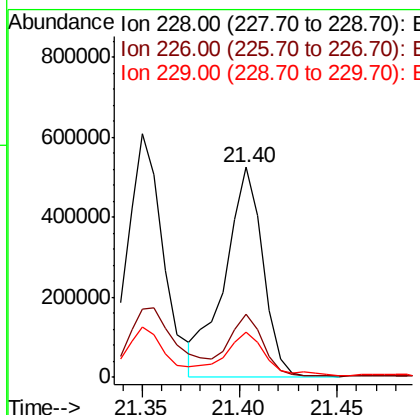
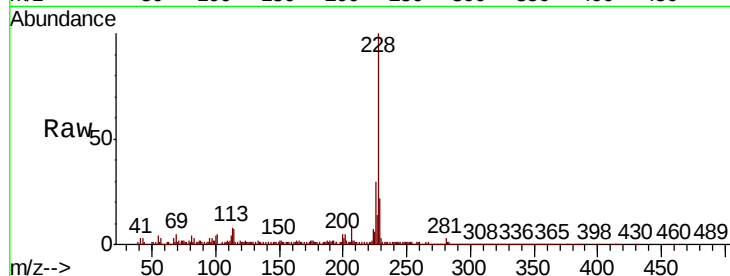
ClientSampleId :

SB-16-COMP

Tot Ion:	228	Resp:	707518
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.0	34.6
229	21.7	15.5	23.3

Manual Integrations
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mohammad
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#86

Indeno(1,2,3-cd)pyrene

Concen: 9.162 ng

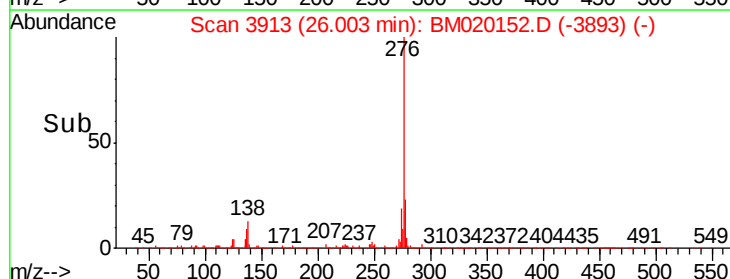
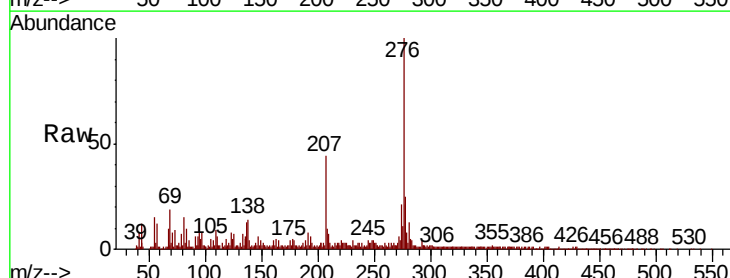
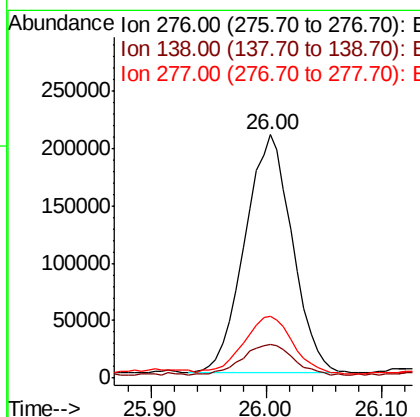
RT: 26.00 min Scan# 3913

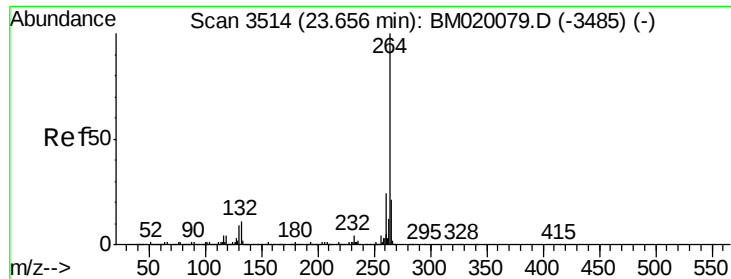
Delta R.T. 0.02 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Tgt Ion:	276	Resp:	593590
Ion Ratio	Lower	Upper	
276	100		
138	13.2	0.0	0.0#
277	24.1	0.0	0.0#





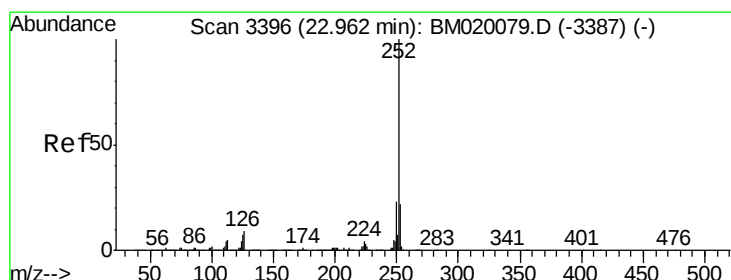
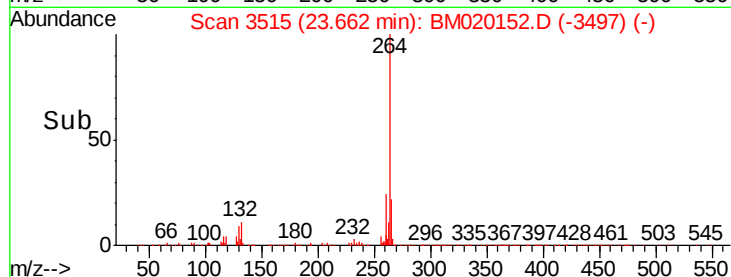
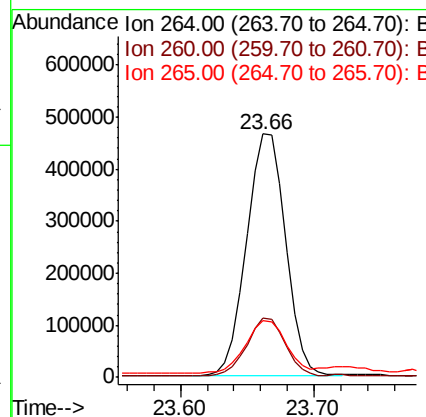
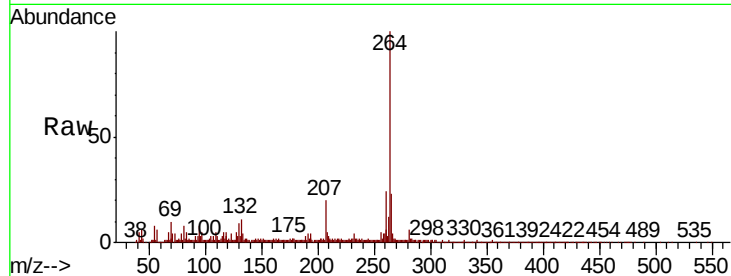
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.4	16.9	25.3

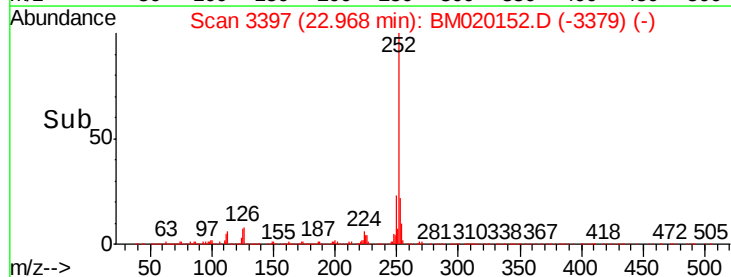
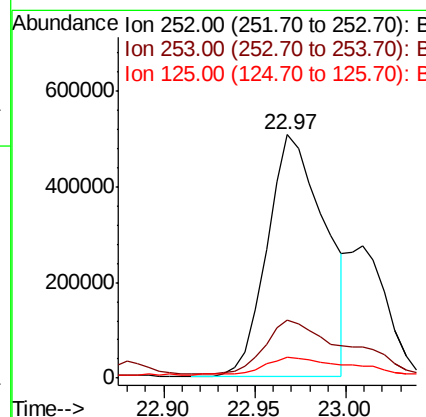
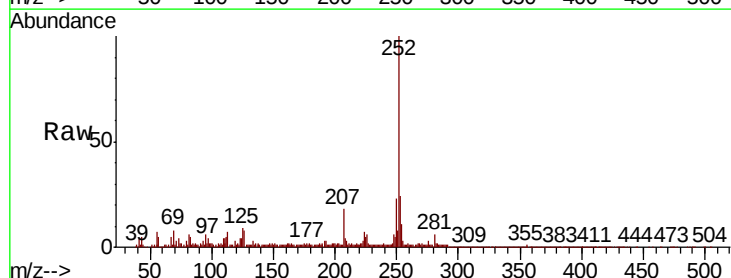
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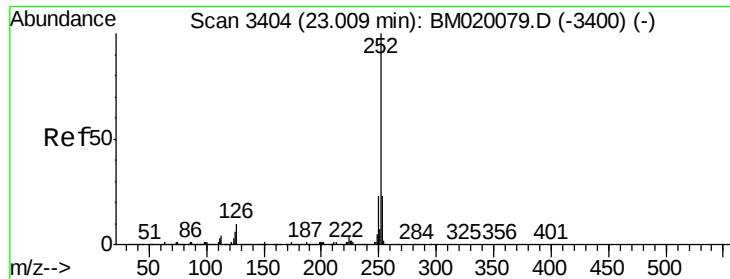
mohammad
5/7/2019 3:12:00 PM



#88
Benzo(b)fluoranthene
Concen: 17.953 ng m
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	8.7	5.4	8.2#





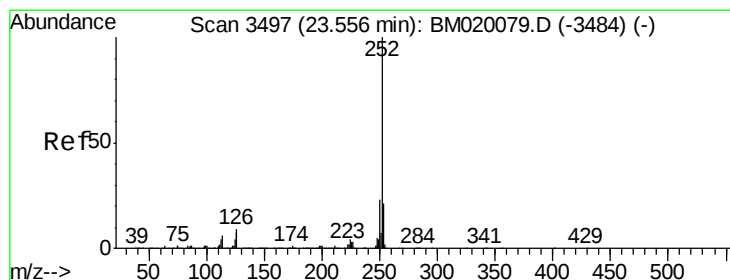
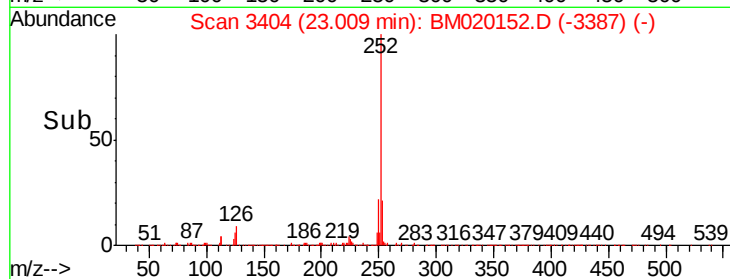
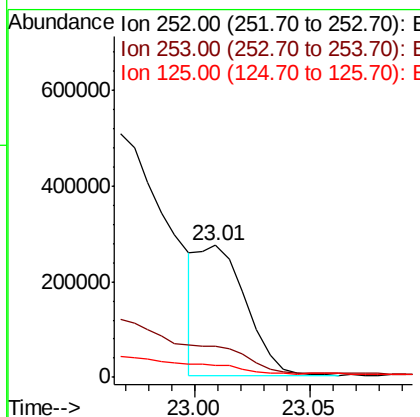
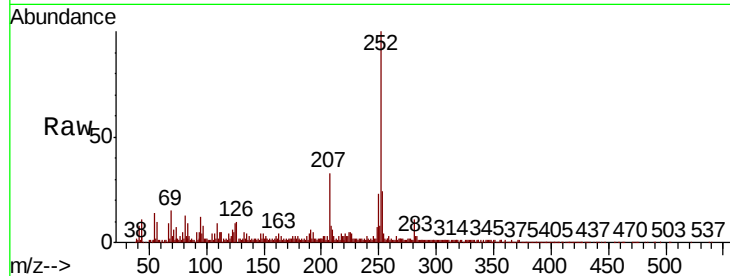
#89
Benzo(k)fluoranthene
Concen: 6.901 ng m
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	8.8	5.4	8.0#

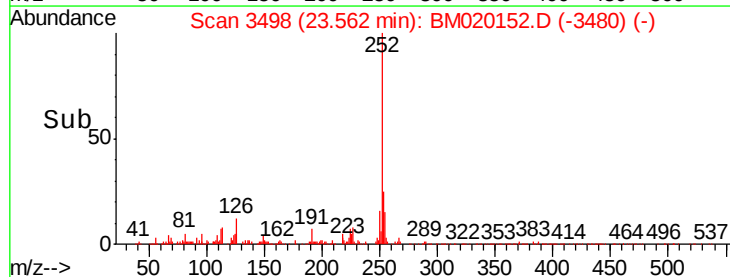
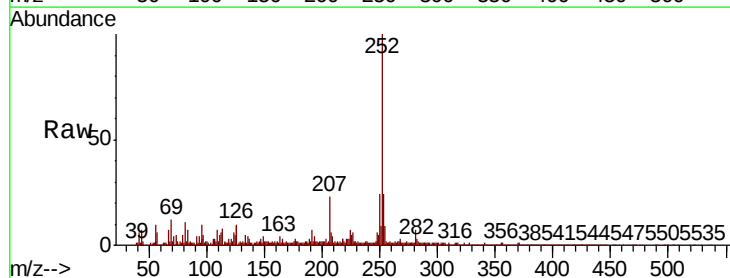
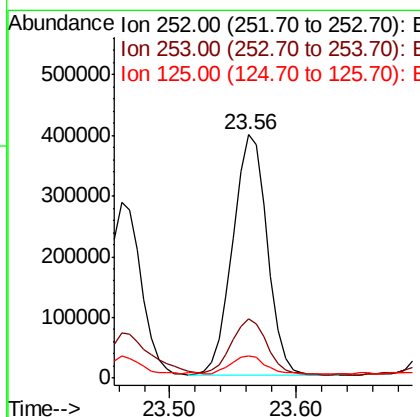
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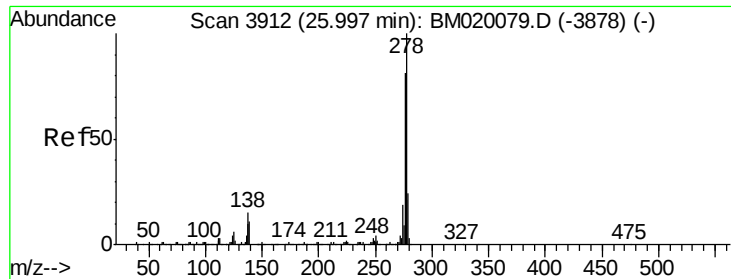
mohammad
5/7/2019 3:12:00 PM



#90
Benzo(a)pyrene
Concen: 13.251 ng
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020152.D
Acq: 07 May 2019 04:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	9.2	5.5	8.3#





#91

Dibenzo(a,h)anthracene

Concen: 2.649 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Instrument :

BNA_M

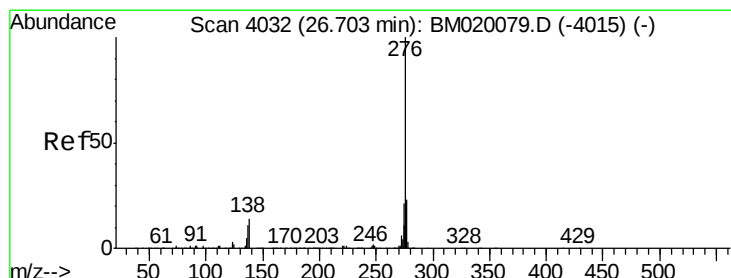
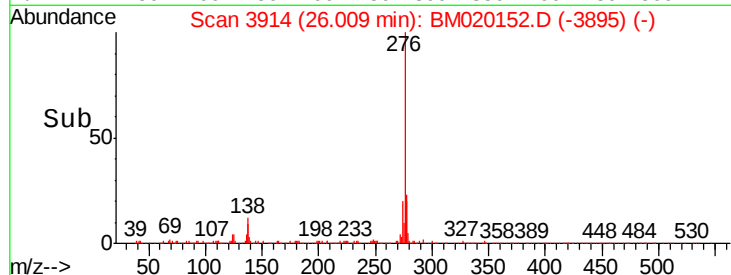
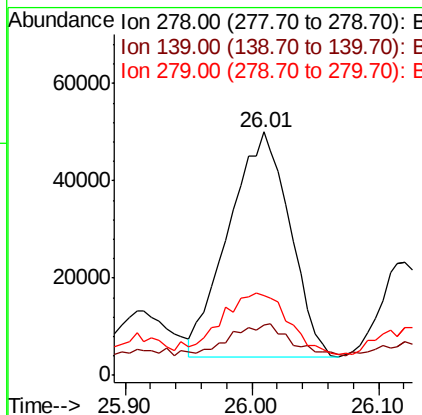
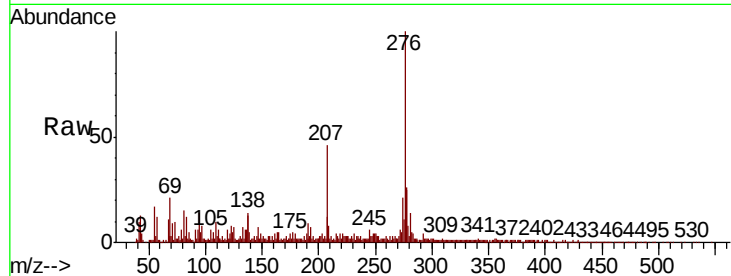
ClientSampleId :

SB-16-COMP

Tot Ion:	278	Resp:	155883
Ion Ratio	Lower	Upper	
278	100		
139	20.6	8.6	13.0#
279	33.0	18.8	28.2#

Manual Integrations
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mohammad
5/7/2019 3:12:00 PM



#92

Benzo(g,h,i)perylene

Concen: 9.498 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020152.D

Acq: 07 May 2019 04:03

Tgt Ion:	276	Resp:	530663
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.4	27.6
138	15.6	11.1	16.7

