

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020148.D
 Acq On : 06 May 2019 22:38
 Operator : JU/SJ
 Sample : K2673-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Manual Integrations
 APPROVED

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 5/7/2019 3:11:53 PM

Quant Time: May 07 05:24:29 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	167697	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	616026	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	366166	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	853562	20.00	ng	0.00
76) Chrysene-d12	21.37	240	847907	20.00	ng	0.00
87) Perylene-d12	23.67	264	996131	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	717285	69.92	ng	0.00
7) Phenol-d6	6.96	99	1034918	73.84	ng	0.01
23) Nitrobenzene-d5	8.96	82	691777	44.33	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	438372	77.13	ng	0.00
45) 2-Fluorobiphenyl	13.06	172	1277800	42.94	ng	0.00
79) Terphenyl-d14	19.81	244	1961882	40.36	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.89	163	201919	6.488	ng	99
52) Acenaphthene	14.50	154	47042	2.130	ng	96
58) Fluorene	15.49	166	78073	2.552	ng	99
71) Phenanthrene	17.23	178	946651	20.091	ng	99
72) Anthracene	17.32	178	276518	5.870	ng	98
75) Fluoranthene	19.24	202	1638319	27.481	ng	100
78) Pyrene	19.61	202	1710367	30.045	ng	99
81) Benzo(a)anthracene	21.36	228	920405	15.478	ng	97
83) Chrysene	21.40	228	860007	14.913	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	514092	7.494	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1067539	16.229	ng	# 95
89) Benzo(k)fluoranthene	23.02	252	322791m	5.380	ng	
90) Benzo(a)pyrene	23.57	252	839777	14.055	ng	# 96
91) Dibenzo(a,h)anthracene	26.02	278	144721	2.329	ng	# 80
92) Benzo(a,h,i)perylene	26.73	276	519707	8.810	ng	95

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

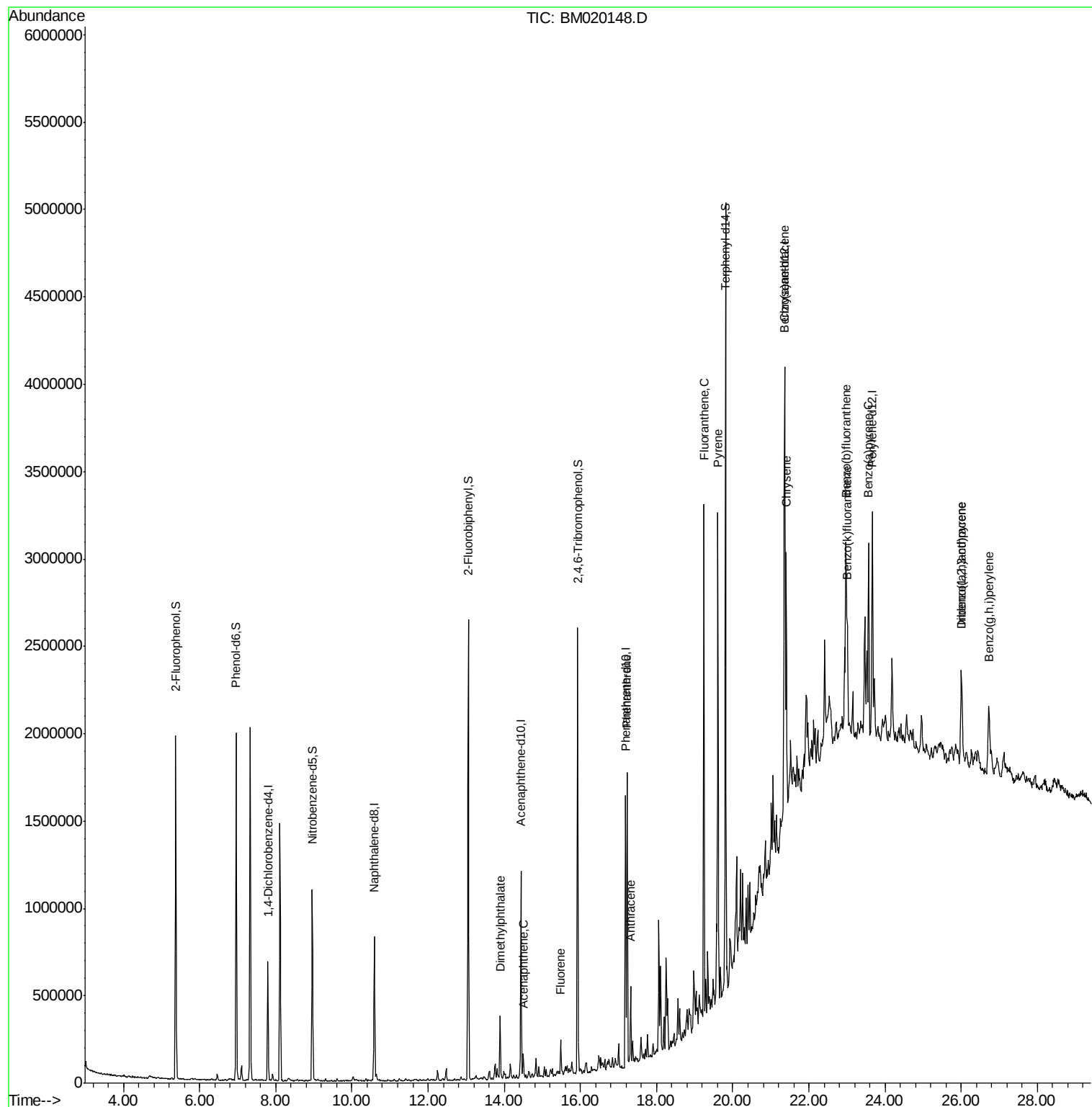
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020148.D
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ALS Vial : 19 Sample Multiplier: 1

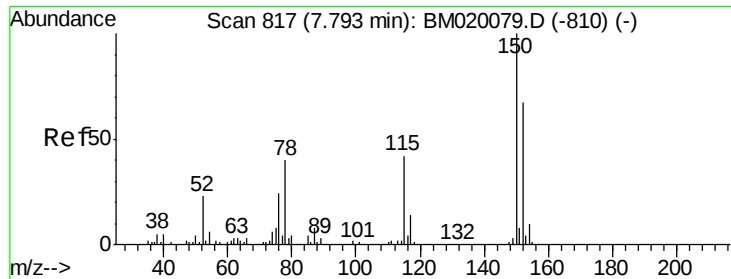
Instrument :
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#1

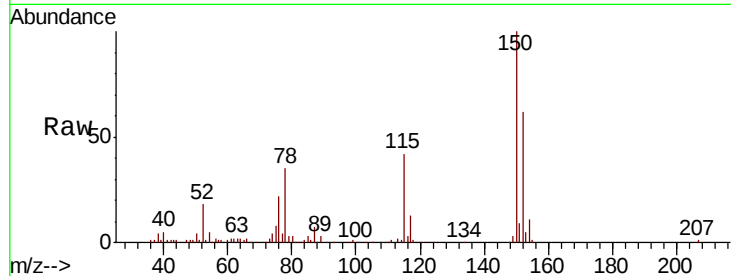
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	119.8	179.8
115	66.5	50.8	76.2

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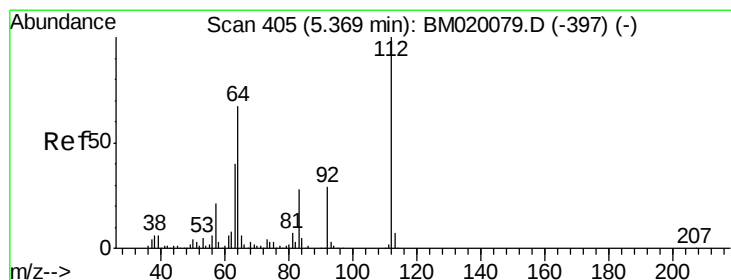
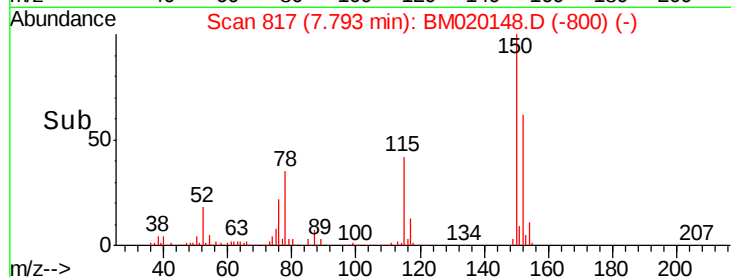
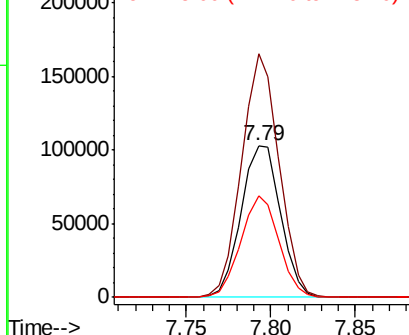


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

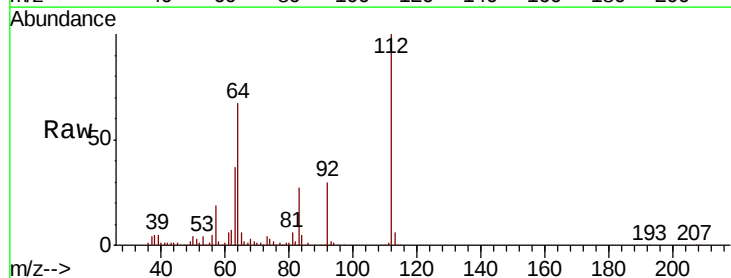
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.916 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.8	80.6
63	37.0	32.3	48.5

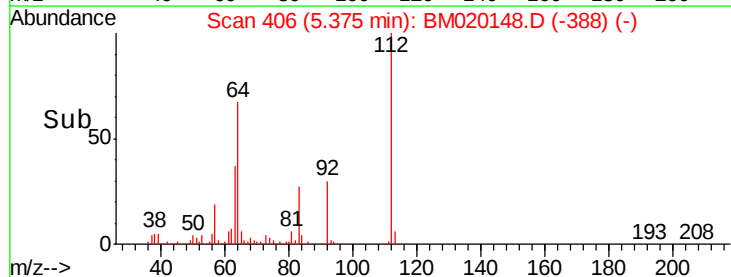
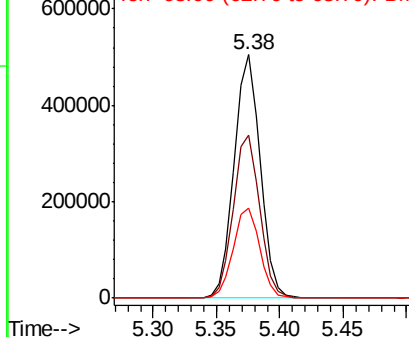


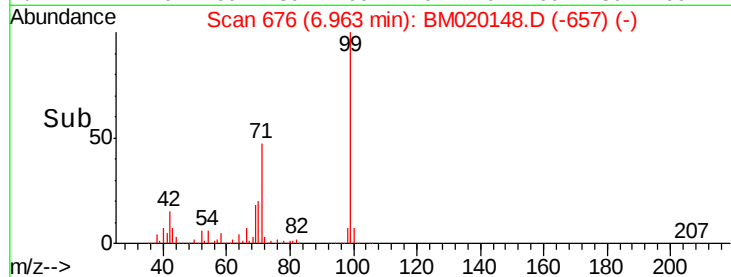
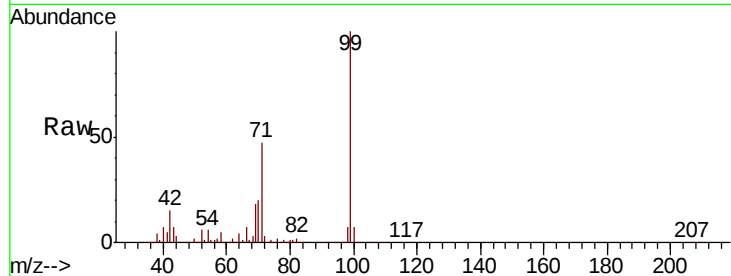
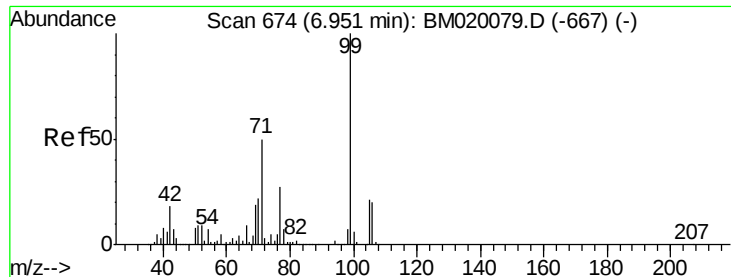
Abundance

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: 73.841 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tot Ion: 99 Resp: 1034918

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

71 46.9 40.3 60.5

Instrument :

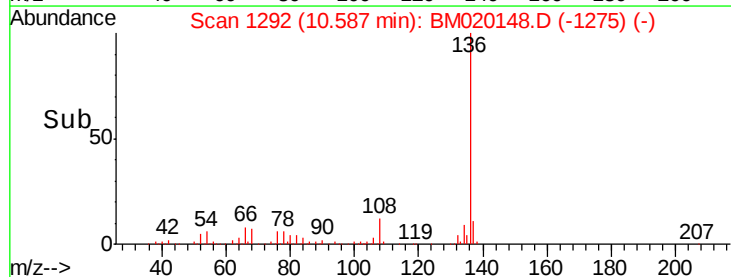
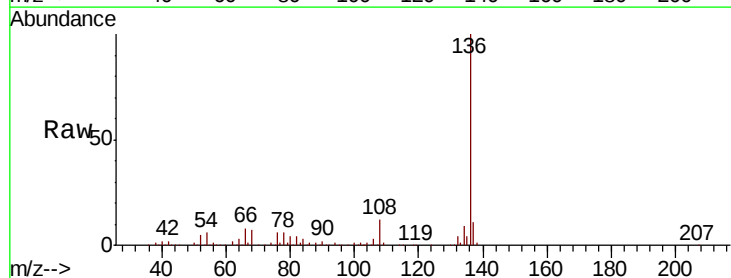
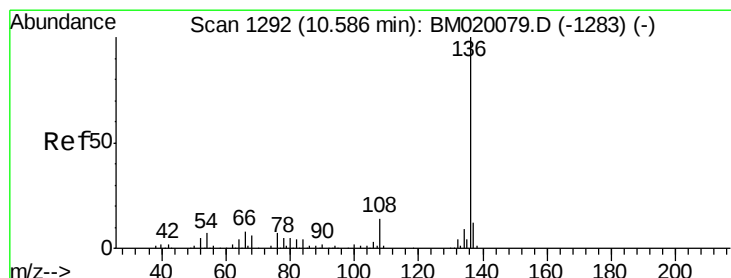
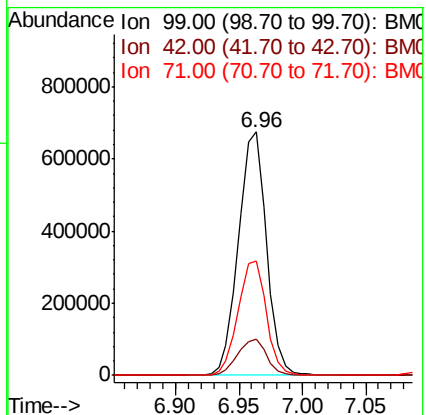
BNA_M

ClientSampleId :

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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: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion: 136 Resp: 616026

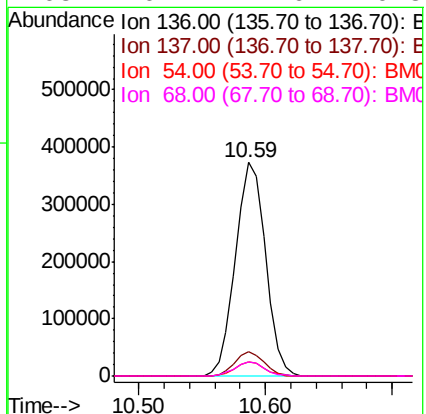
Ion Ratio Lower Upper

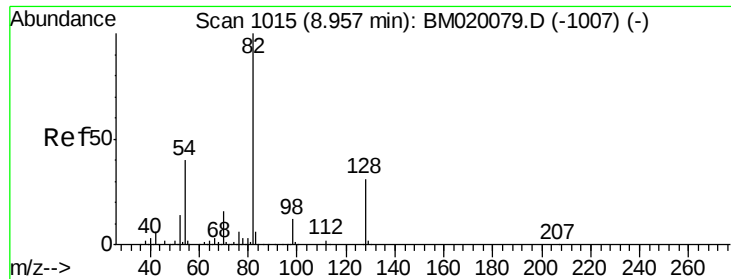
136 100

137 11.1 9.6 14.4

54 6.3 5.5 8.3

68 6.7 4.6 6.8





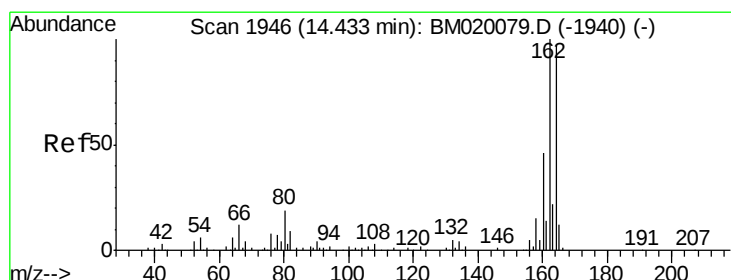
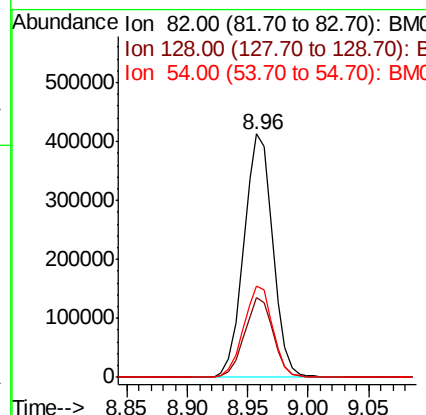
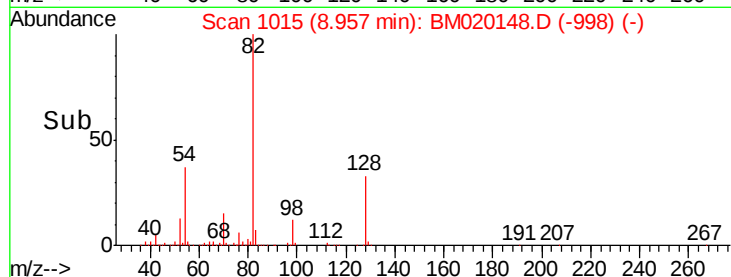
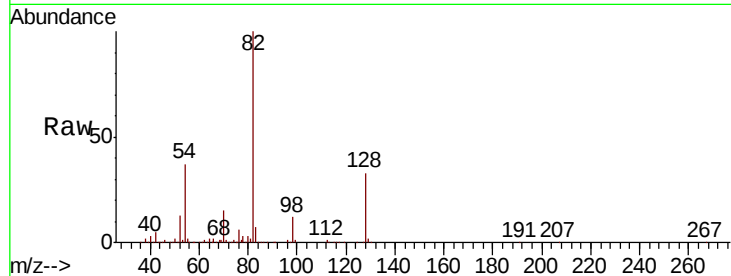
#23
 Nitrobenzene-d5
 Concen: 44.335 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	25.2	37.8
54	37.4	31.9	47.9

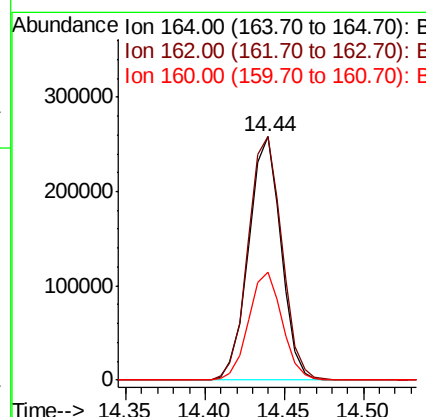
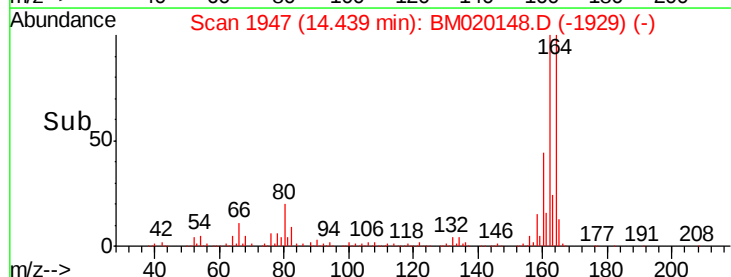
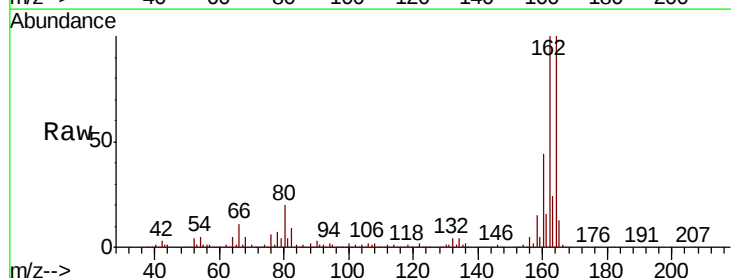
Manual Integrations
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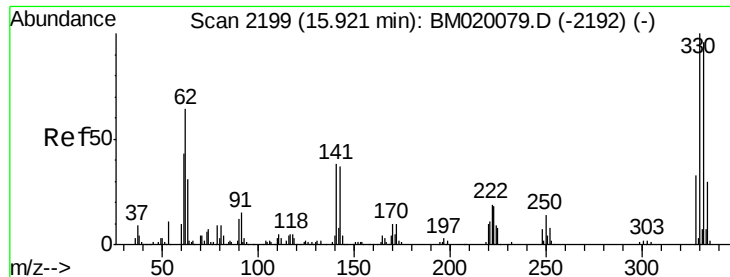
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.44 min Scan# 1947
 Delta R.T. 0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.2	123.2
160	44.5	37.6	56.4





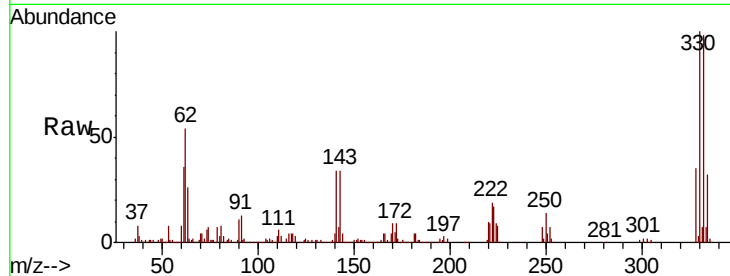
#42
 2,4,6-Tribromophenol
 Concen: 77.129 ng
 RT: 15.93 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	438372		
332	96.1	76.8	115.2	
141	33.4	29.2	43.8	

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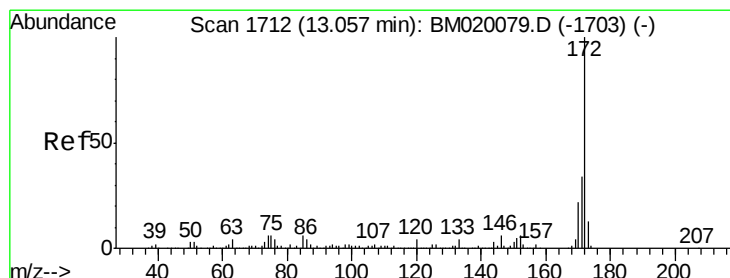
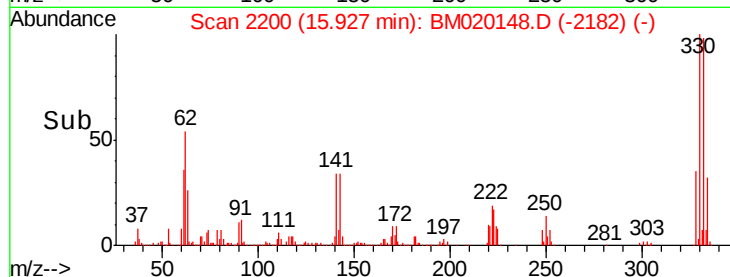
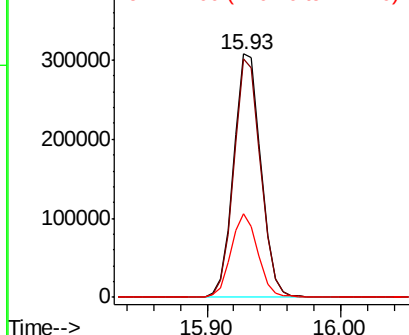


Abundance

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: 42.936 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

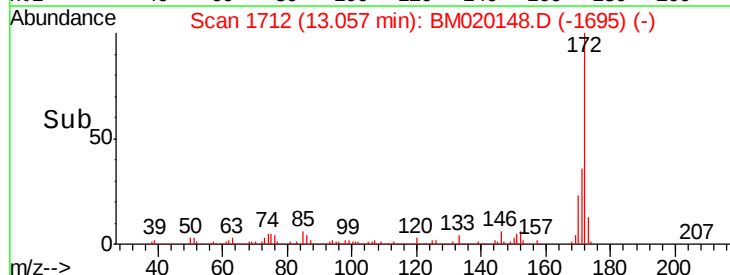
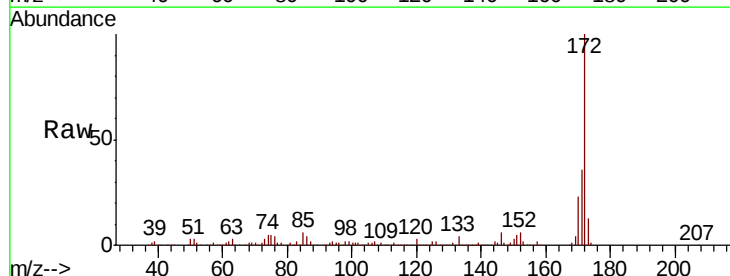
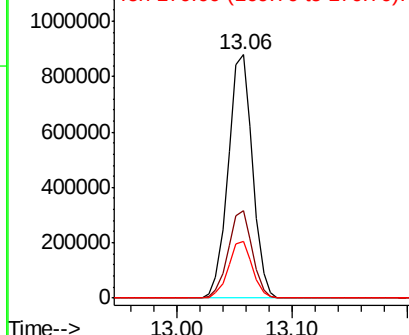
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1277800		
171	36.1	27.3	40.9	
170	23.3	17.9	26.9	

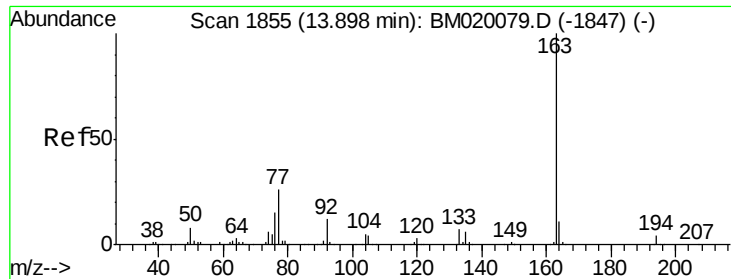
Abundance

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





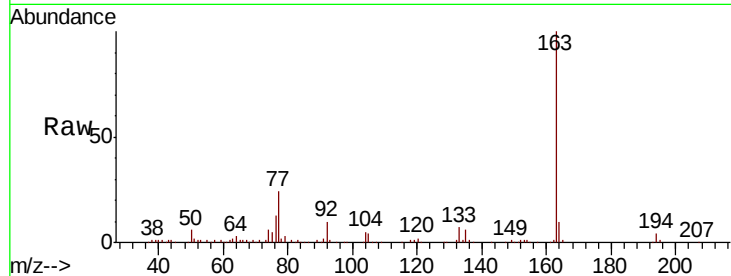
#50
Dimethylphthalate
Concen: 6.488 ng
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	201919		
194	4.3		3.6	5.4
164	10.3		8.4	12.6

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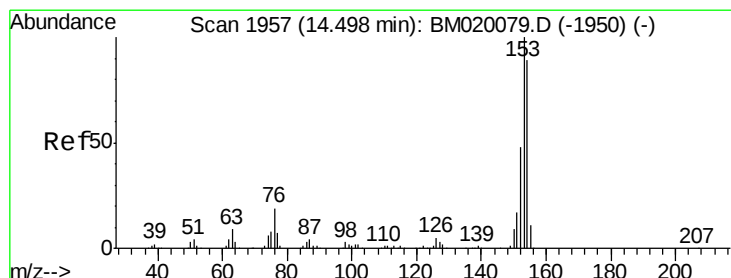
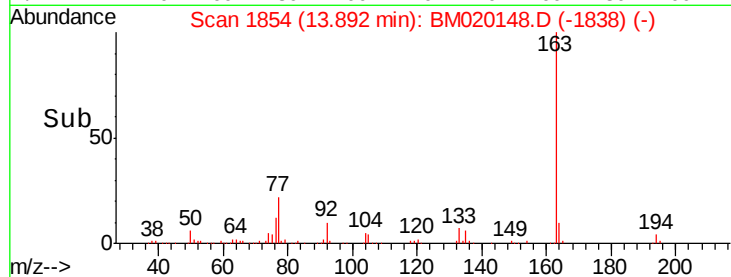
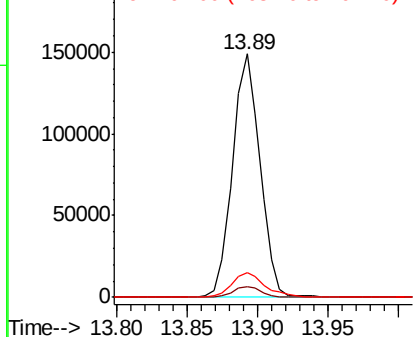


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.130 ng
RT: 14.50 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

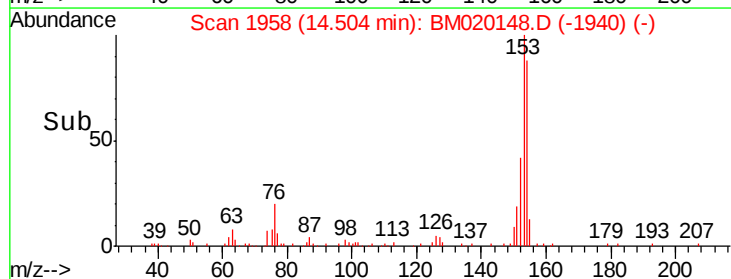
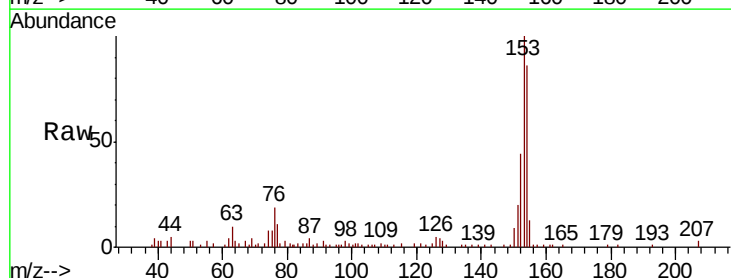
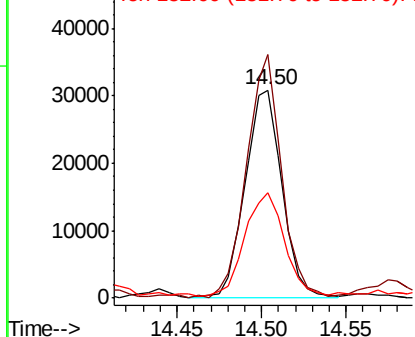
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	47042		
153	116.9		90.2	135.2
152	50.9		43.0	64.4

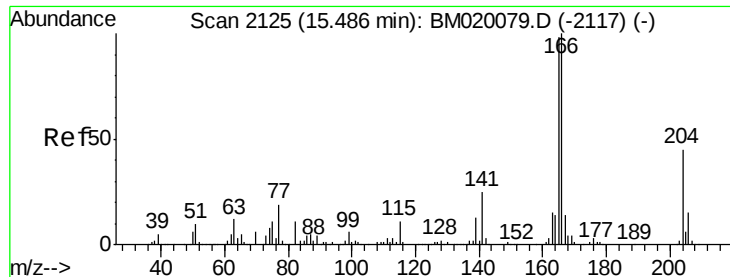
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 2.552 ng

RT: 15.49 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

Tot Ion:166 Resp: 78073

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

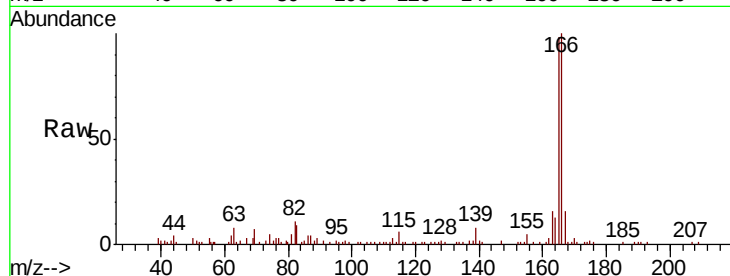
167 16.0 11.0 16.4

Manual Integrations

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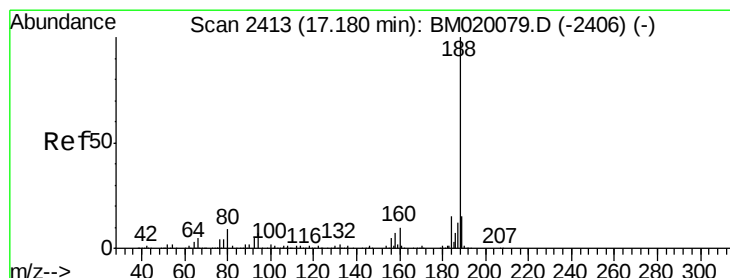
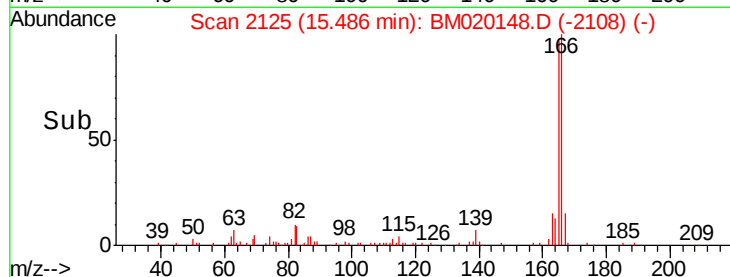
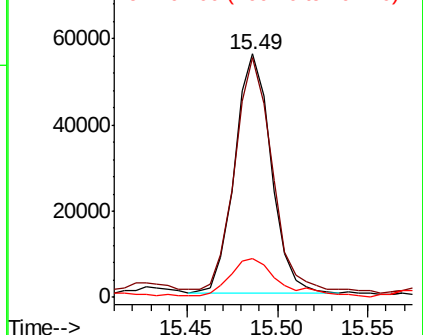
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

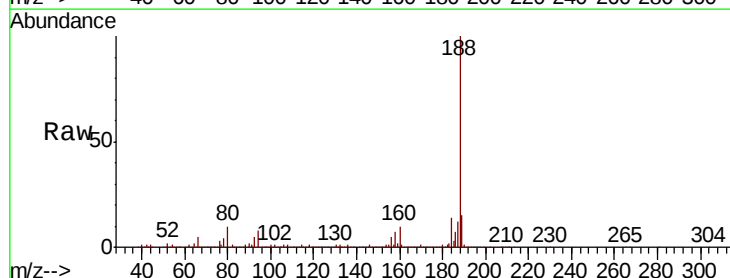
Tgt Ion:188 Resp: 853562

Ion Ratio Lower Upper

188 100

94 7.6 5.8 8.6

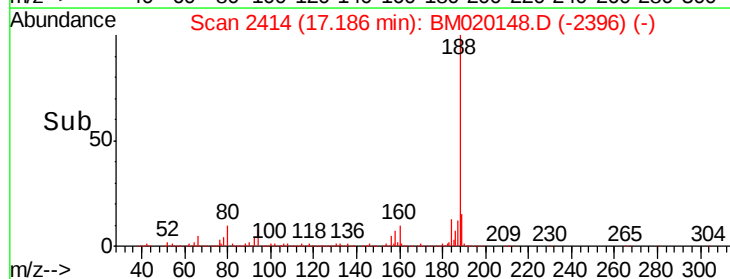
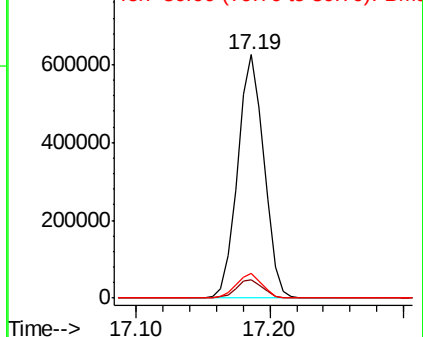
80 10.1 7.4 11.2

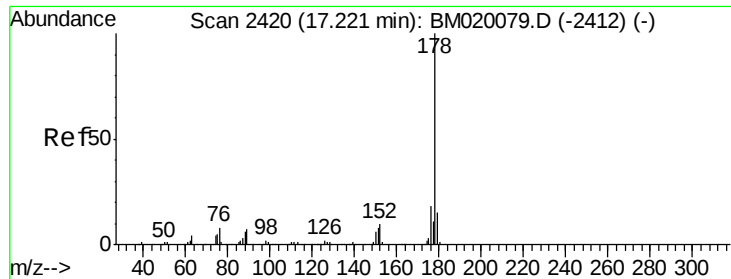


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





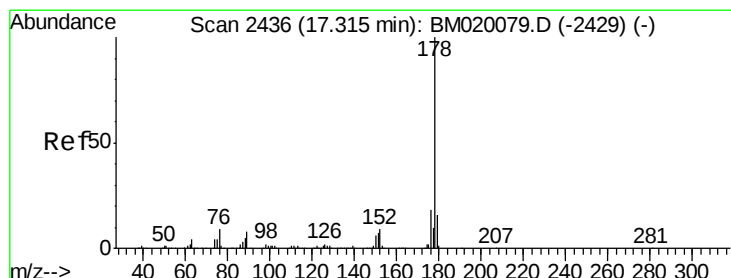
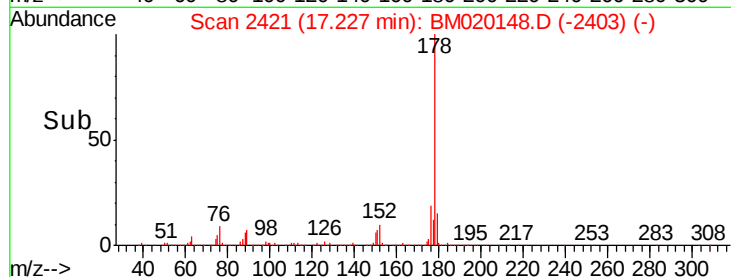
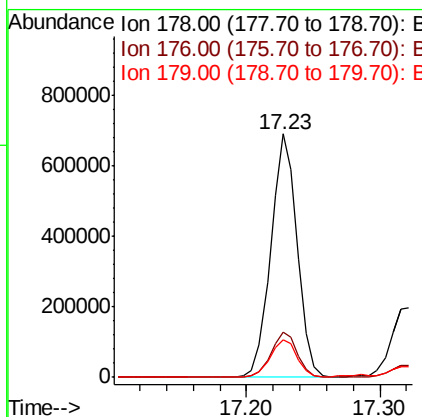
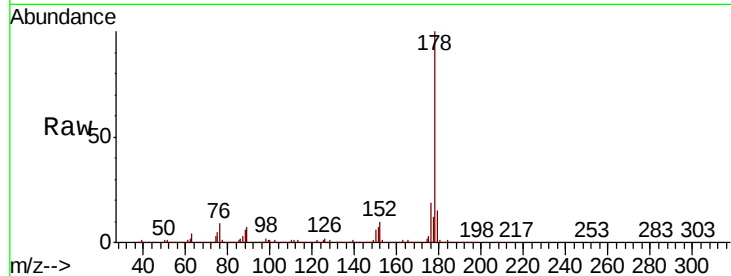
#71
Phenanthrene
Concen: 20.091 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	12.4	18.6

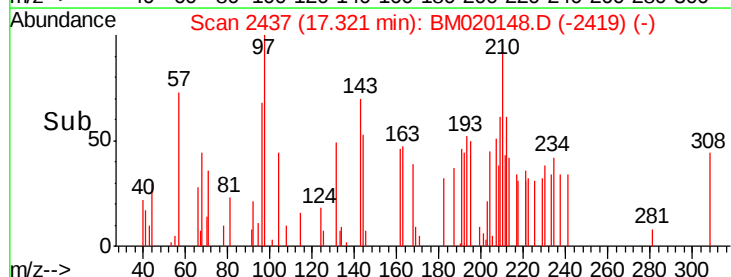
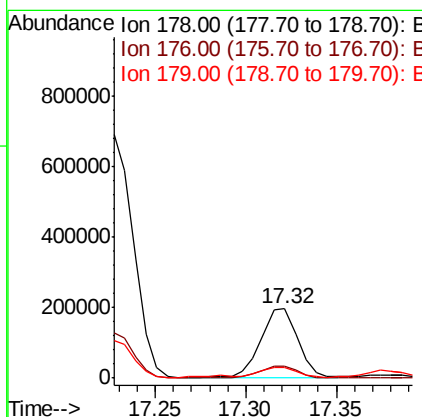
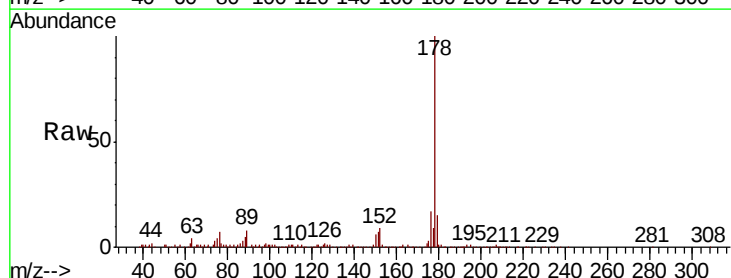
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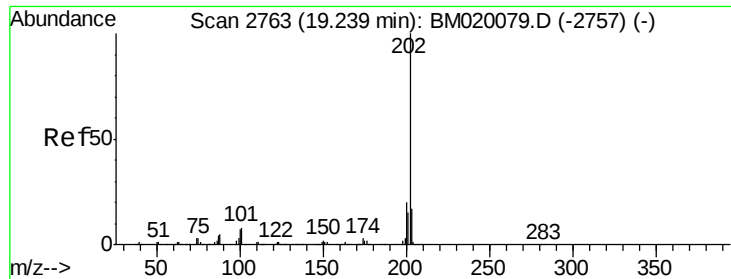
mohammad
5/7/2019 3:11:53 PM



#72
Anthracene
Concen: 5.870 ng
RT: 17.32 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.6	22.0
179	15.2	12.4	18.6





#75

Fluoranthene

Concen: 27.481 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

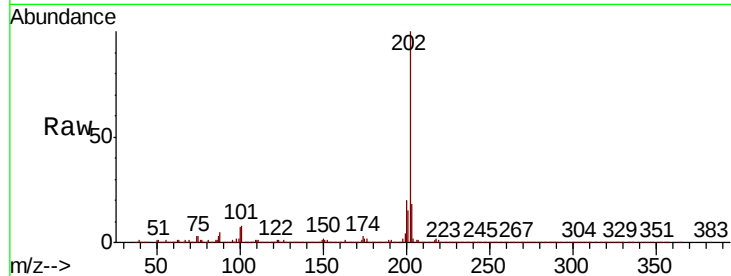
ClientSampleId :

SB-15-COMP

Tot Ion:	202	Resp:	1638319
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.6	0.0	37.4

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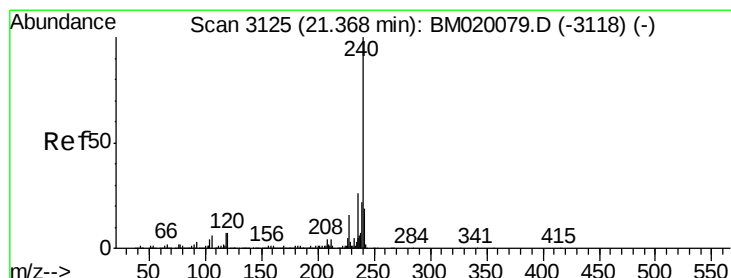
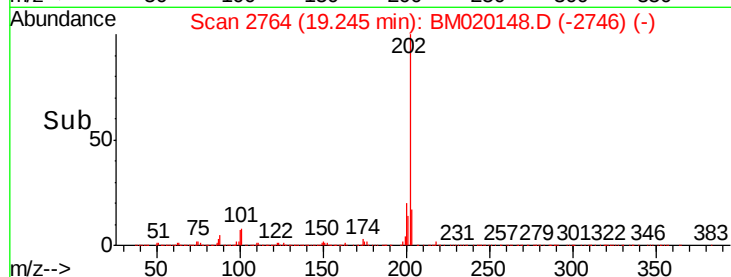
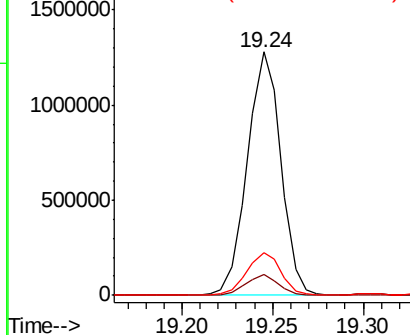


Abundance

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

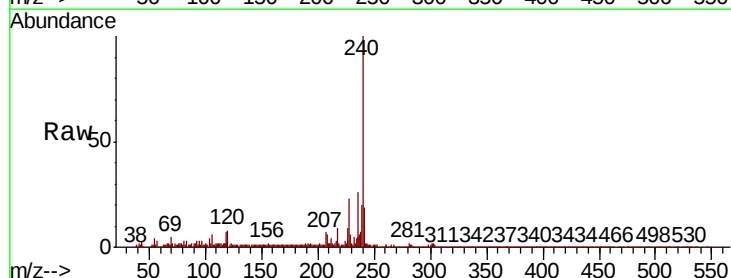
RT: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion:	240	Resp:	847907
Ion	Ratio	Lower	Upper
240	100		
120	7.6	5.6	8.4
236	26.2	20.9	31.3

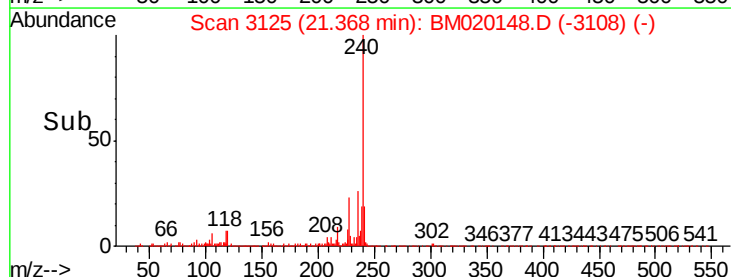
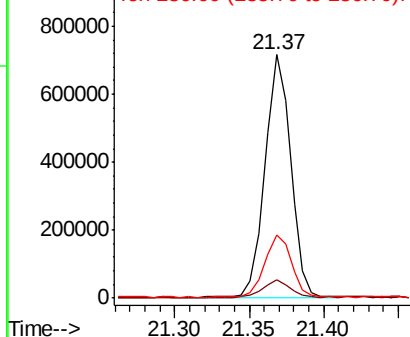


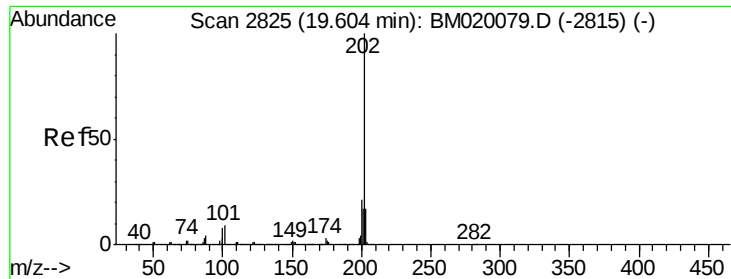
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 30.045 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

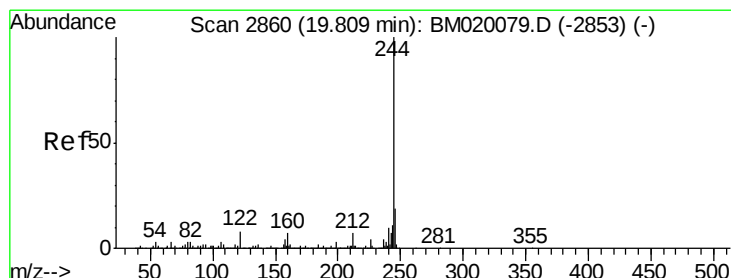
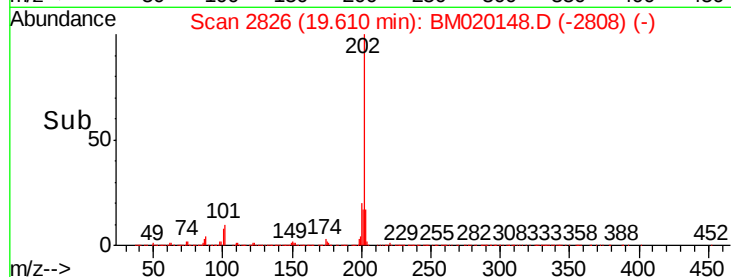
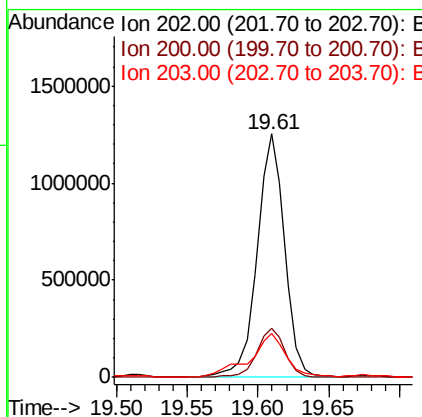
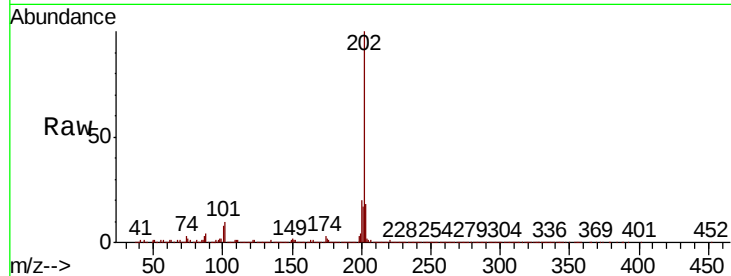
ClientSampleId :

SB-15-COMP

Tot Ion:	202	Resp:	1710367
Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.5	24.7
203	17.9	13.9	20.9

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#79

Terphenyl-d14

Concen: 40.358 ng

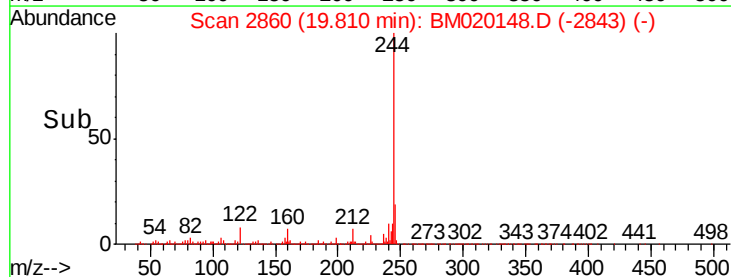
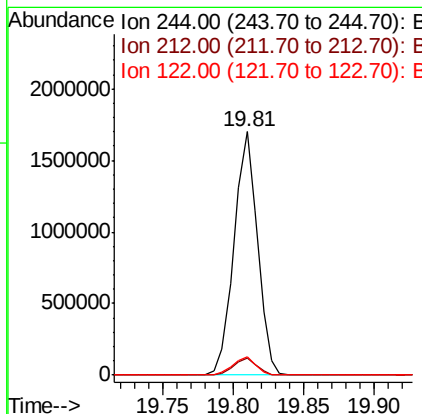
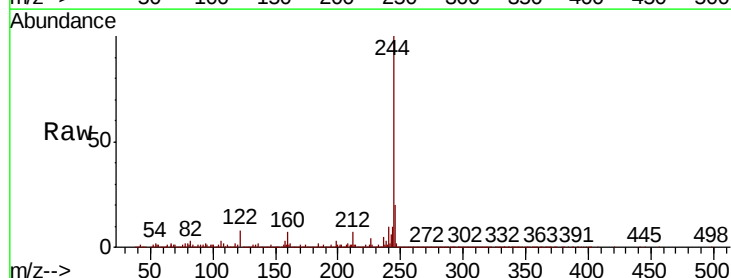
RT: 19.81 min Scan# 2860

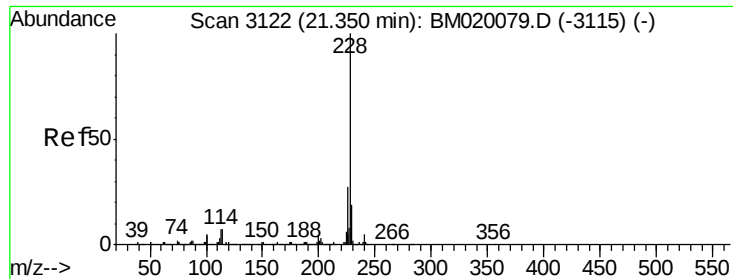
Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion:	244	Resp:	1961882
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	7.6	6.2	9.2





#81

Benzo(a)anthracene

Concen: 15.478 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

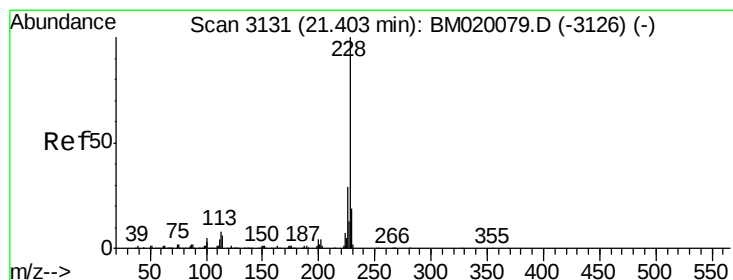
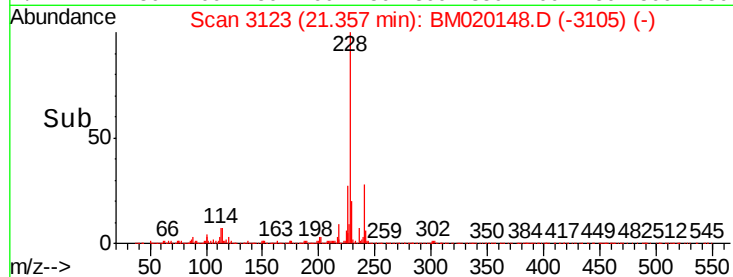
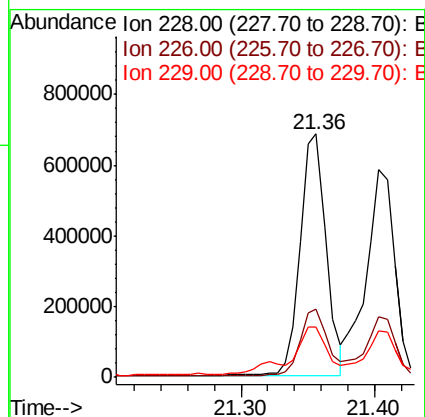
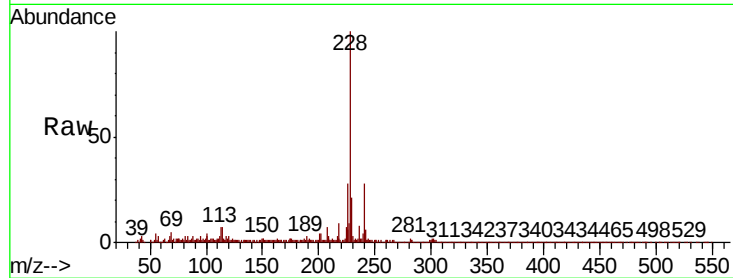
ClientSampleId :

SB-15-COMP

Tot Ion:	228	Resp:	920405
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.3	31.9
229	20.8	15.5	23.3

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#83

Chrysene

Concen: 14.913 ng

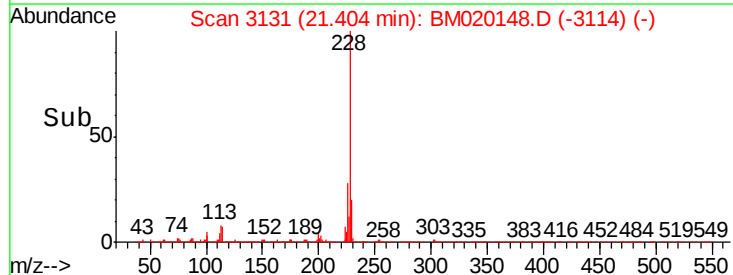
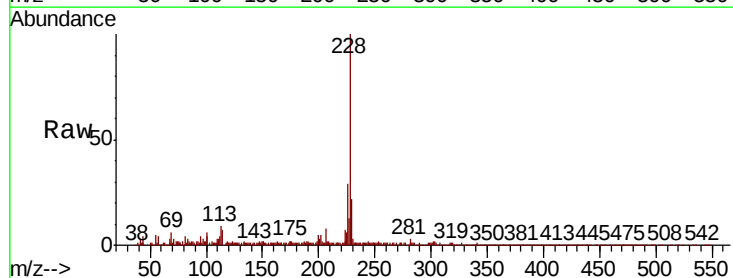
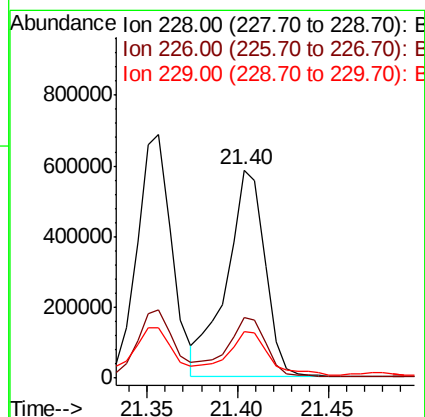
RT: 21.40 min Scan# 3131

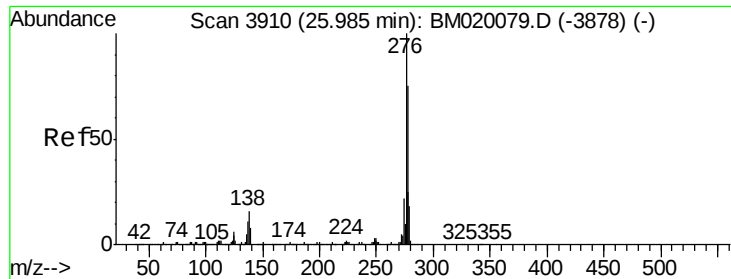
Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion:	228	Resp:	860007
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.0	34.6
229	22.5	15.5	23.3





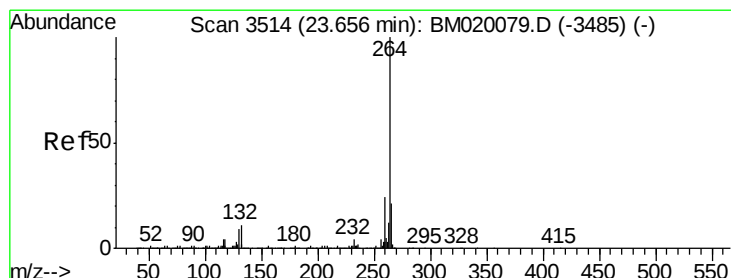
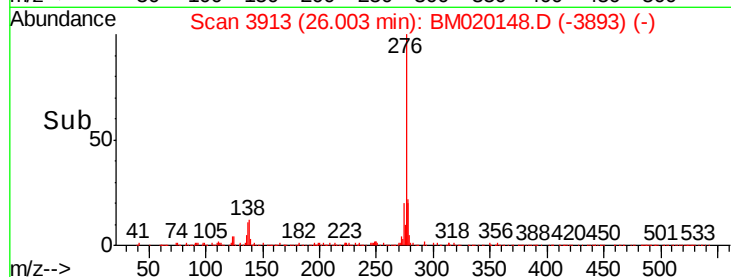
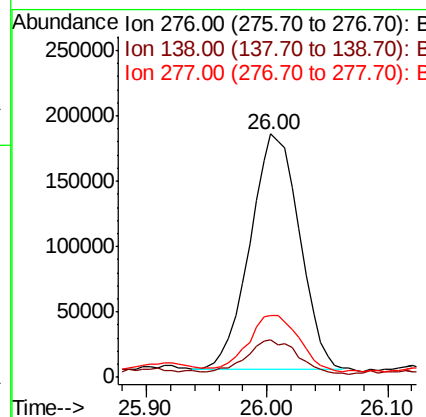
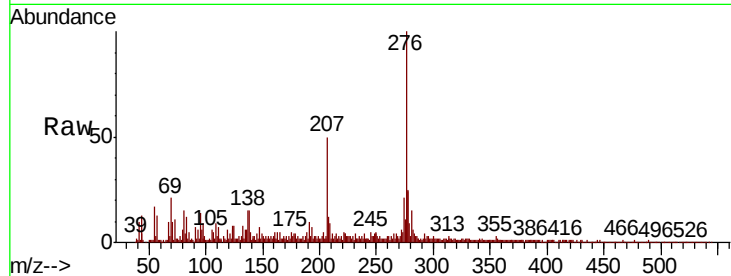
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.494 ng
 RT: 26.00 min Scan# 3913
 Delta R.T. 0.02 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	0.0	0.0#
277	24.3	0.0	0.0#

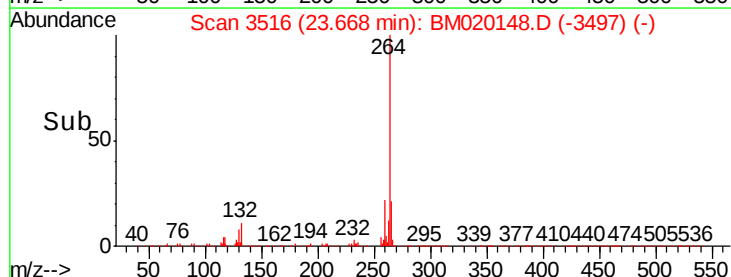
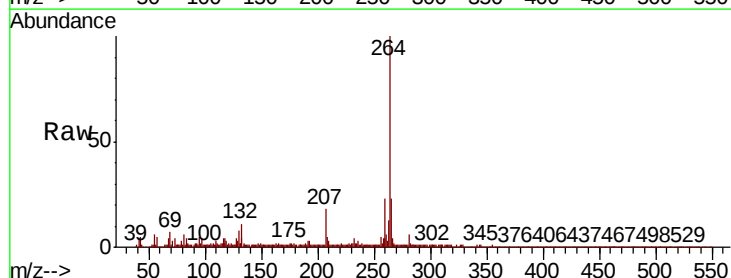
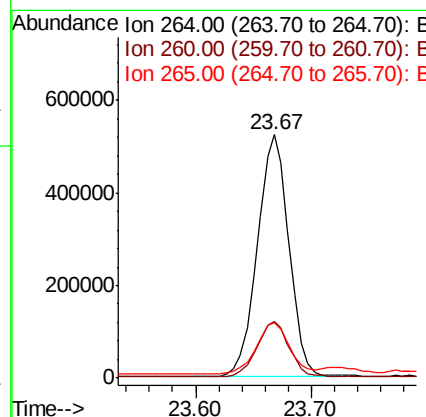
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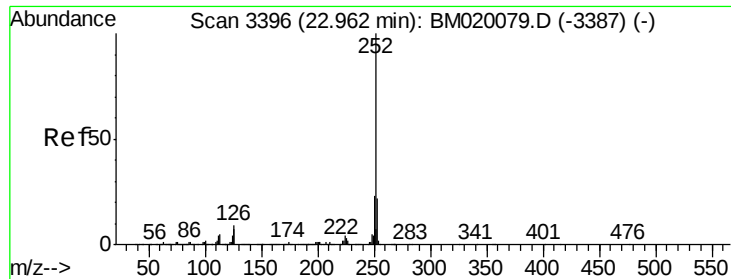
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.67 min Scan# 3516
 Delta R.T. 0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.6	16.9	25.3





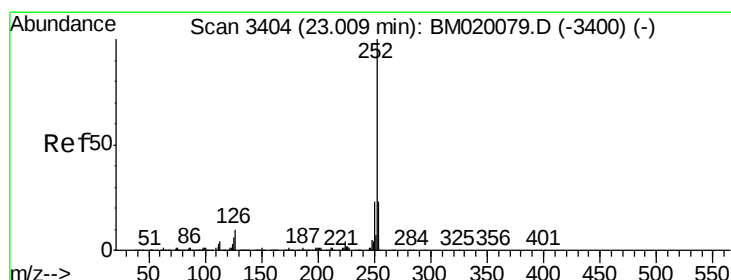
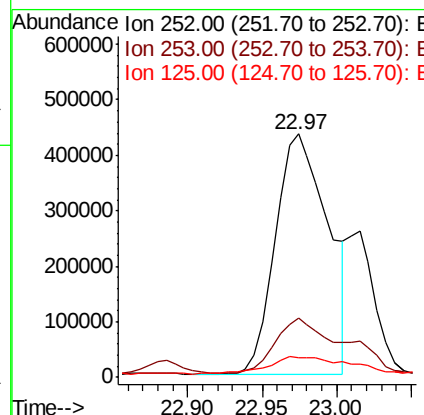
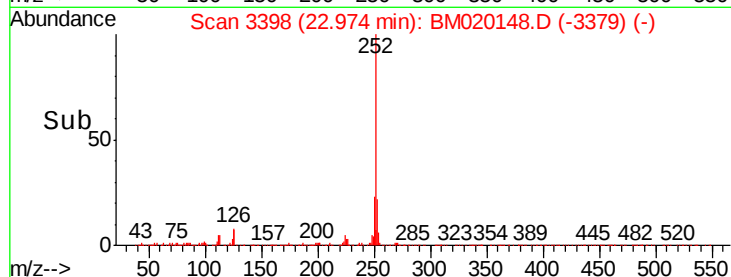
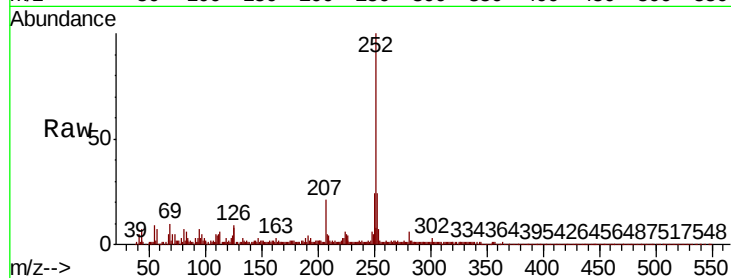
#88
Benzo(b)fluoranthene
Concen: 16.229 ng
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	8.3	5.4	8.2

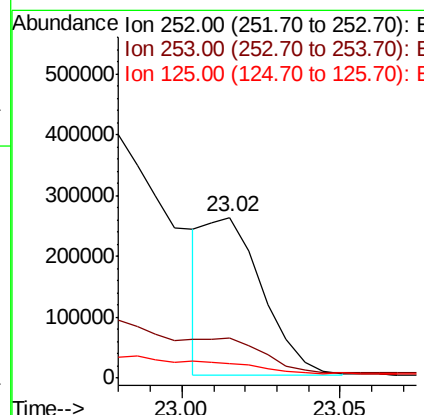
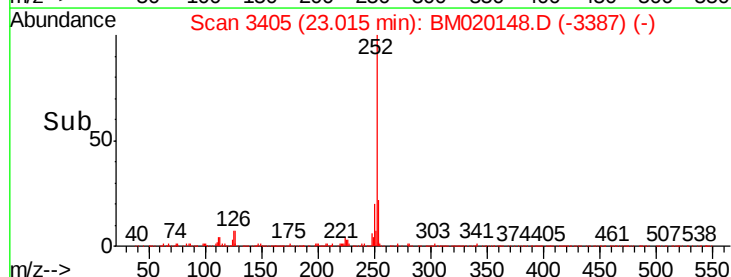
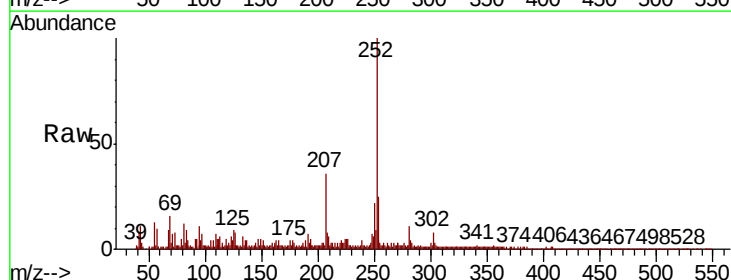
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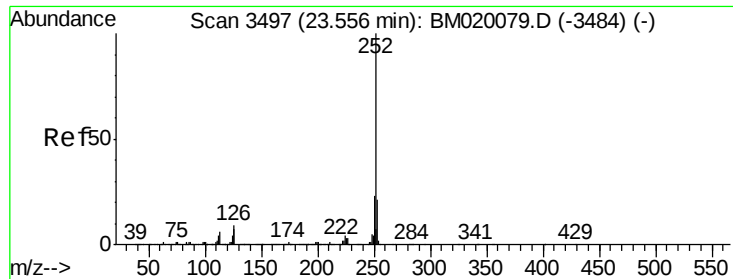
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.380 ng m
RT: 23.02 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	9.4	5.4	8.0





#90

Benzo(a)pyrene

Concen: 14.055 ng

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

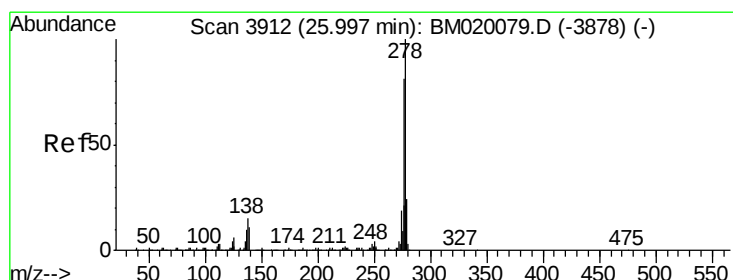
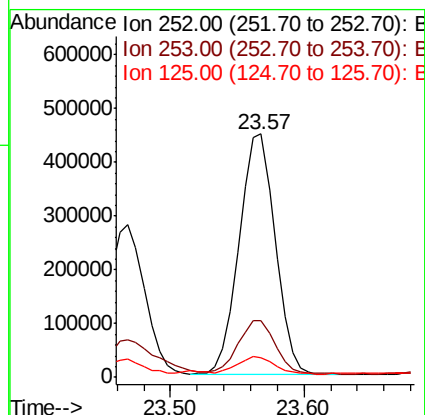
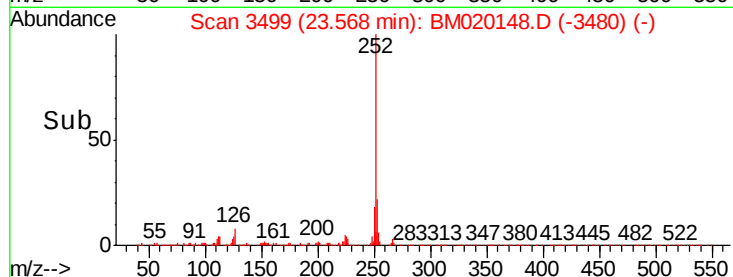
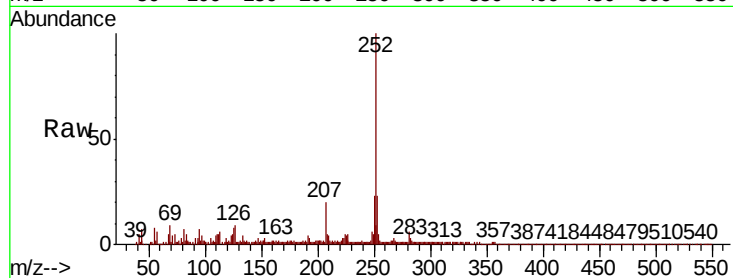
ClientSampleId :

SB-15-COMP

Tot Ion:	252	Resp:	839777
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	8.3	5.5	8.3#

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#91

Dibenzo(a,h)anthracene

Concen: 2.329 ng

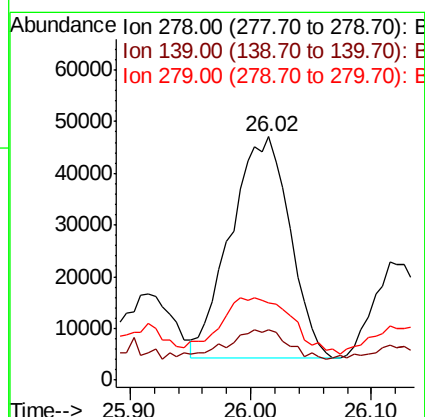
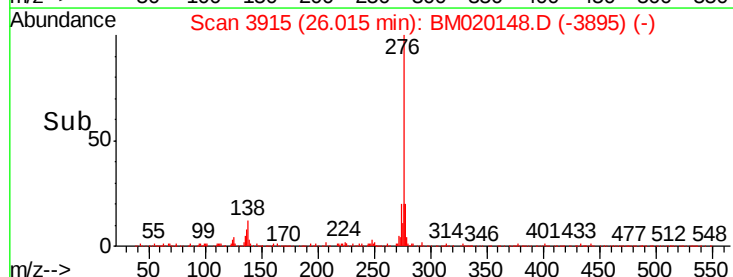
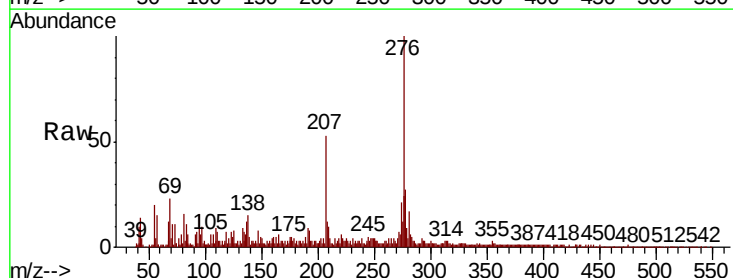
RT: 26.02 min Scan# 3915

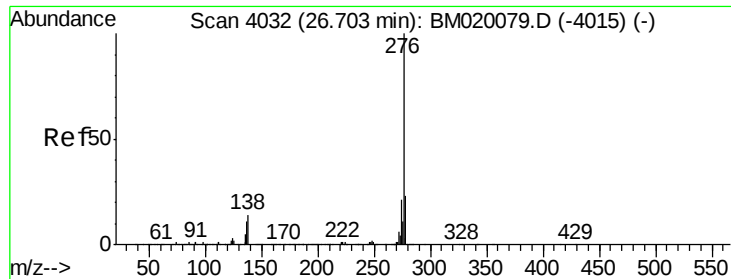
Delta R.T. 0.02 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion:	278	Resp:	144721
Ion Ratio	Lower	Upper	
278	100		
139	20.5	8.6	13.0#
279	31.9	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 8.810 ng
 RT: 26.73 min Scan# 4036
 Delta R.T. 0.02 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Tot Ion:	276	Resp:	519707
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.4	27.6
138	15.4	11.1	16.7

Manual Integrations
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