

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020153.D
 Acq On : 07 May 2019 04:38
 Operator : JU/SJ
 Sample : K2672-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

Manual Integrations
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Quant Time: May 07 05:40:59 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	202800	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	776651	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	410874	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	810020	20.00	ng	0.00
76) Chrysene-d12	21.37	240	765489	20.00	ng	0.00
87) Perylene-d12	23.66	264	890586	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	270189	21.78	ng	0.00
7) Phenol-d6	6.96	99	398718	23.52	ng	0.00
23) Nitrobenzene-d5	8.96	82	258718	13.15	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	121193	19.00	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	410704	12.30	ng	0.00
79) Terphenyl-d14	19.80	244	428482	9.76	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	13.89	163	79391	2.273	ng	99
52) Acenaphthene	14.50	154	130747	5.276	ng	98
58) Fluorene	15.48	166	148521	4.326	ng	93
71) Phenanthrene	17.23	178	1821913	40.746	ng	99
72) Anthracene	17.32	178	573278	12.823	ng	98
73) Carbazole	17.59	167	127081	3.150	ng	# 93
75) Fluoranthene	19.25	202	2699296	47.712	ng	100
78) Pyrene	19.61	202	2417728	47.043	ng	99
81) Benzo(a)anthracene	21.35	228	1377718	25.664	ng	97
83) Chrysene	21.40	228	1154889	22.182	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	742739	11.993	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1519438m	25.837	ng	
89) Benzo(k)fluoranthene	23.01	252	549045m	10.235	ng	
90) Benzo(a)pyrene	23.56	252	1196273	22.394	ng	96
91) Dibenzo(a,h)anthracene	26.00	278	204262	3.677	ng	# 83
92) Benzo(g,h,i)perylene	26.73	276	701501	13.301	ng	97

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

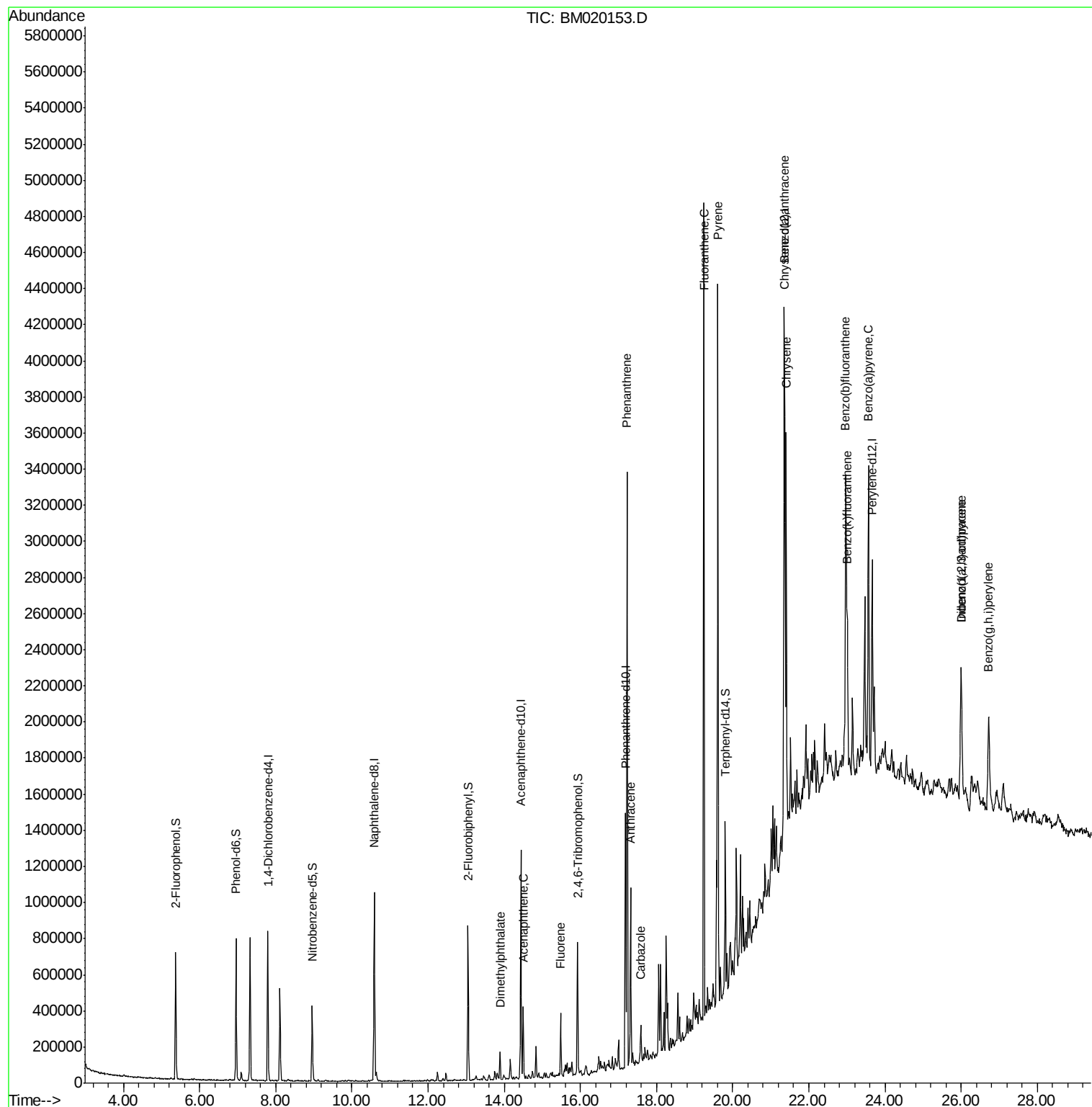
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020153.D
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ALS Vial : 22 Sample Multiplier: 1

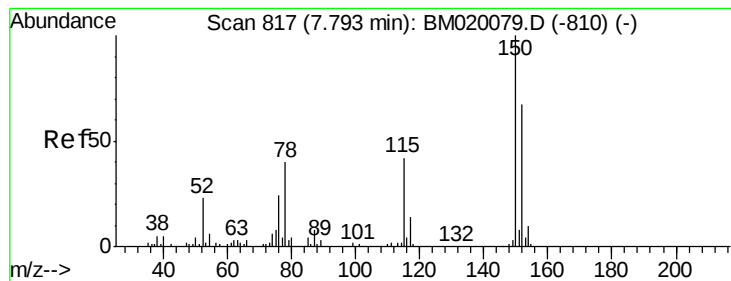
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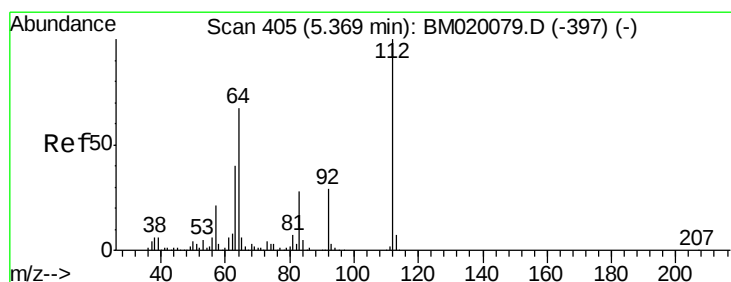
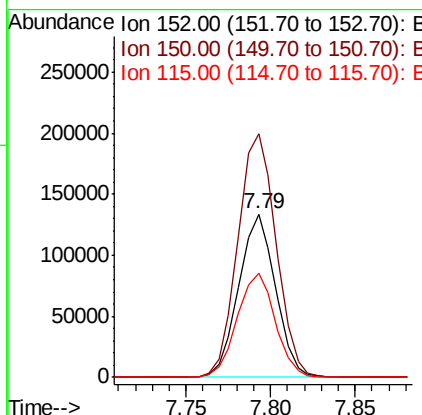
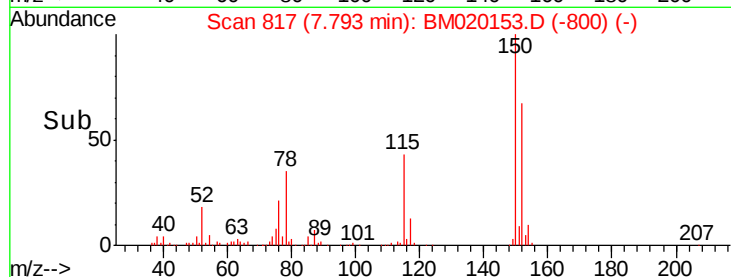
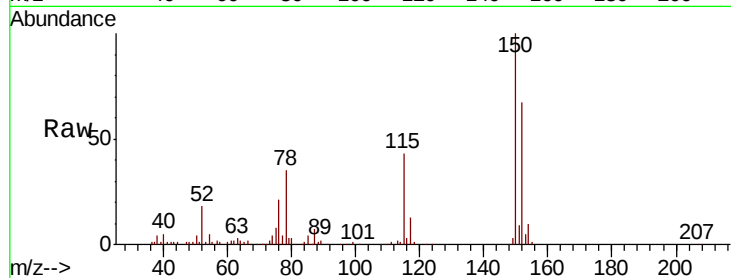
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	119.8	179.8
115	64.2	50.8	76.2

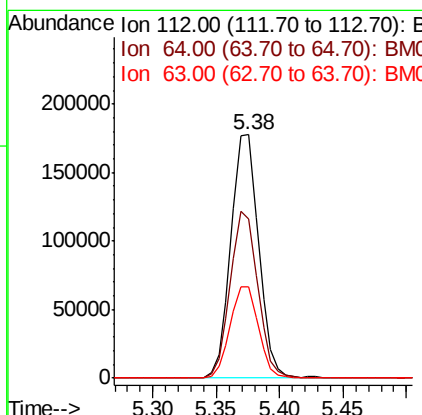
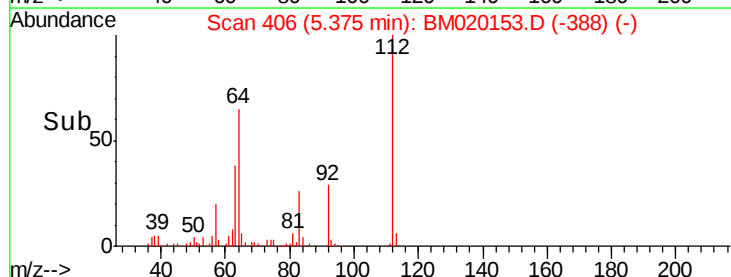
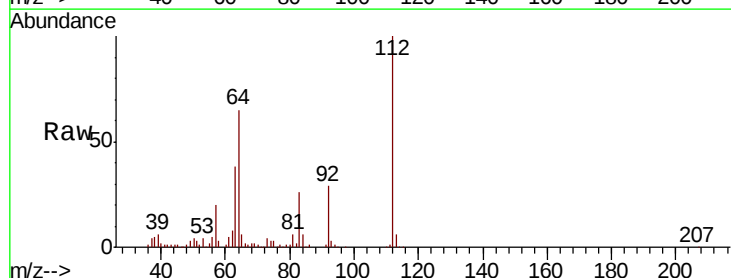
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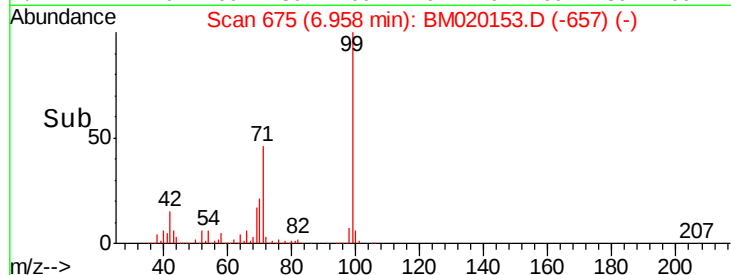
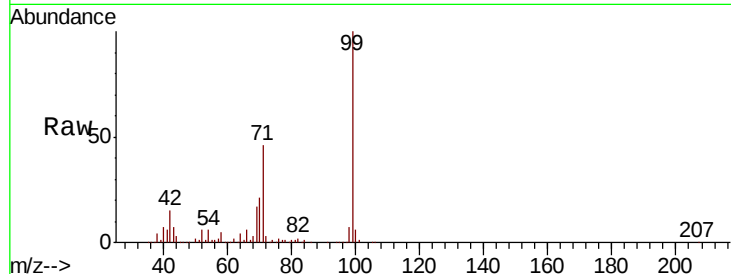
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#5
 2-Fluorophenol
 Concen: 21.778 ng
 RT: 5.38 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.8	80.6
63	37.7	32.3	48.5





#7

Phenol-d6

Concen: 23.524 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tot Ion:	99	Resp:	398718
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.2	21.2
71	45.7	40.3	60.5

Instrument :

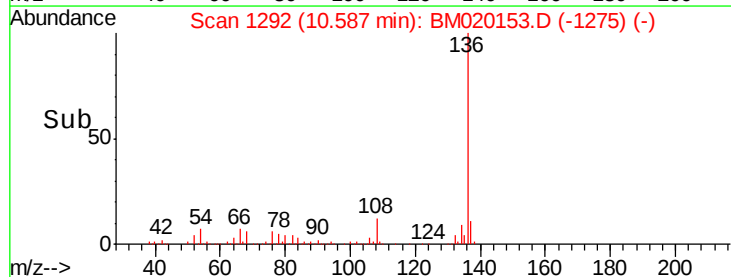
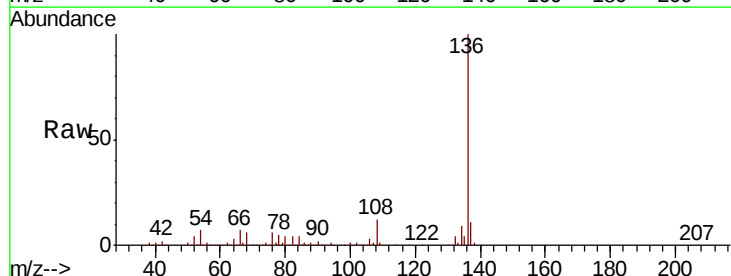
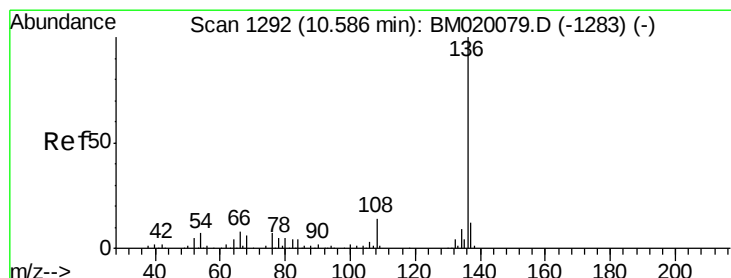
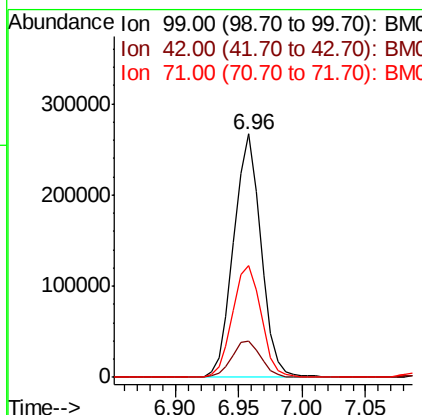
BNA_M

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

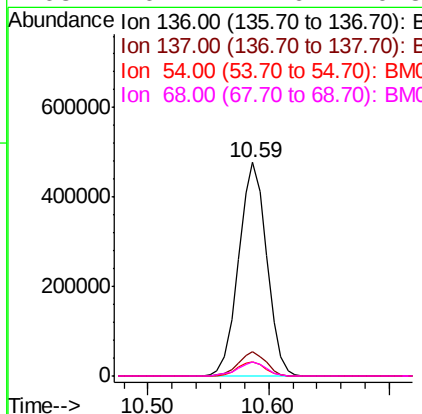
RT: 10.59 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion:	136	Resp:	776651
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.6	14.4
54	6.6	5.5	8.3
68	6.4	4.6	6.8





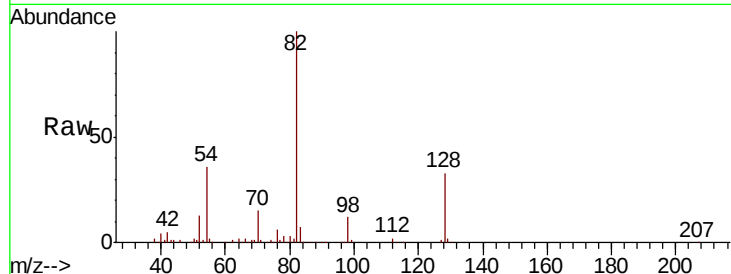
#23
Nitrobenzene-d5
Concen: 13.152 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.2	37.8
54	36.2	31.9	47.9

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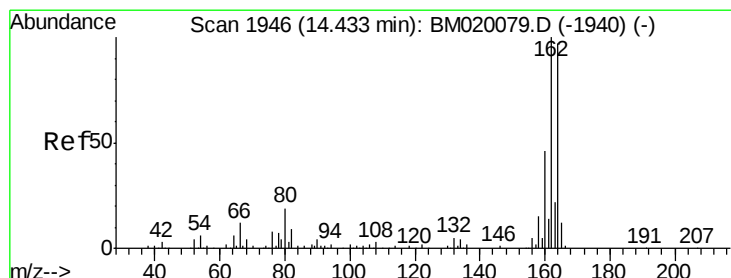
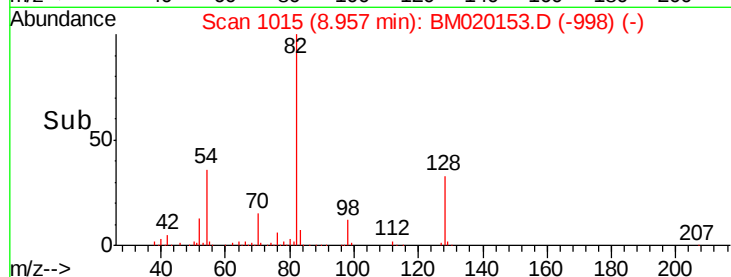
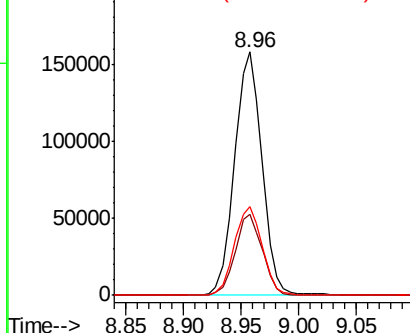
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Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

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

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



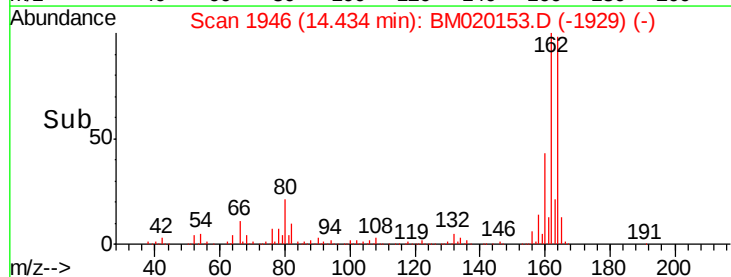
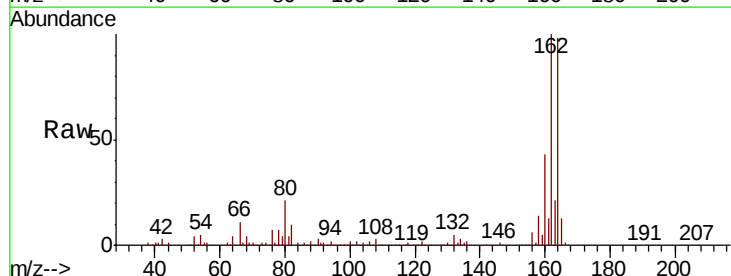
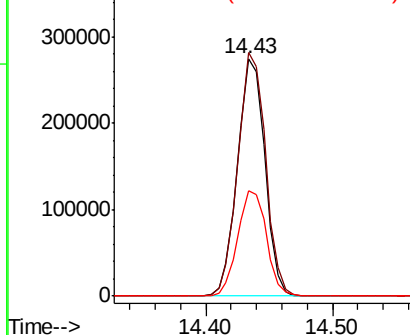
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

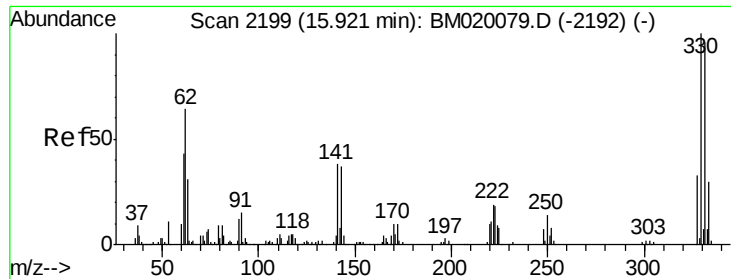
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.2	123.2
160	44.6	37.6	56.4

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: 19.003 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

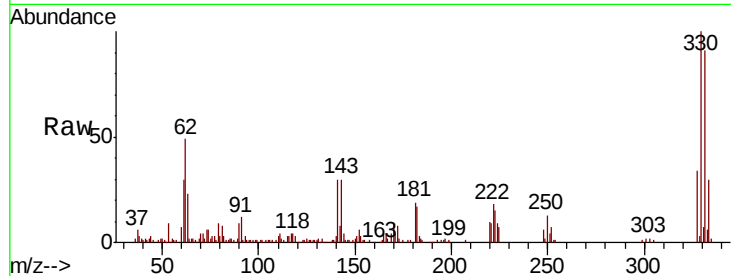
ClientSampleId :

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Tot Ion:	330	Resp:	121193
Ion Ratio	Lower	Upper	
330	100		
332	94.3	76.8	115.2
141	35.7	29.2	43.8

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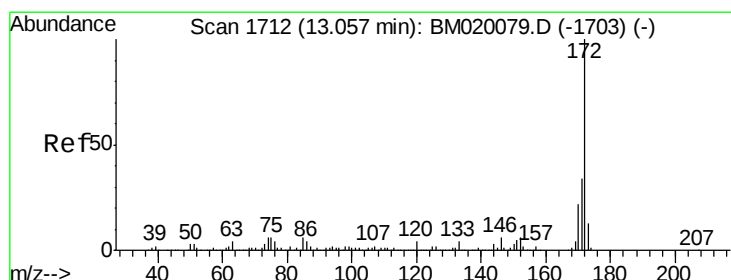
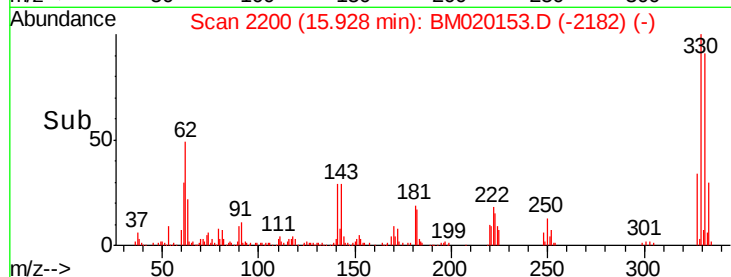
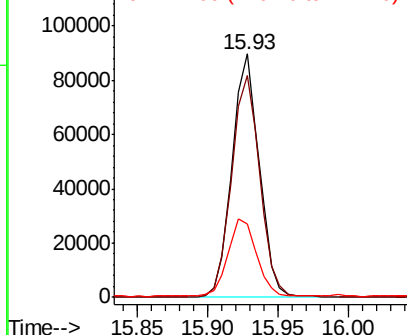


Abundance

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: 12.299 ng

RT: 13.05 min Scan# 1711

Delta R.T. -0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

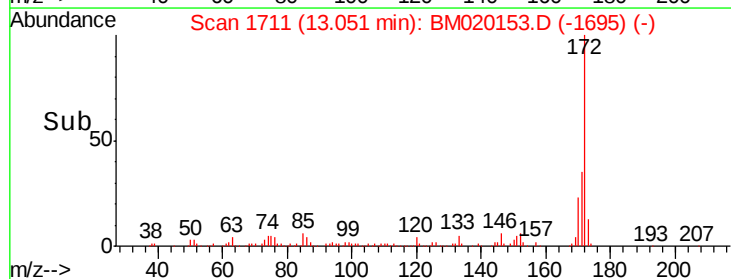
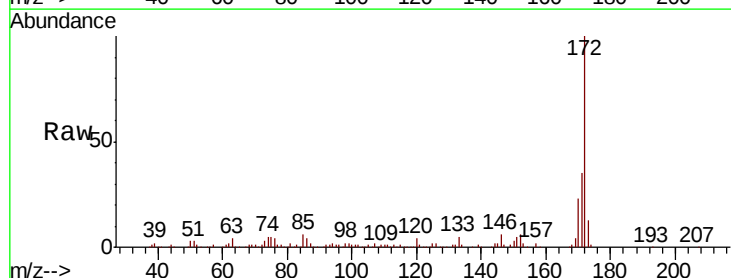
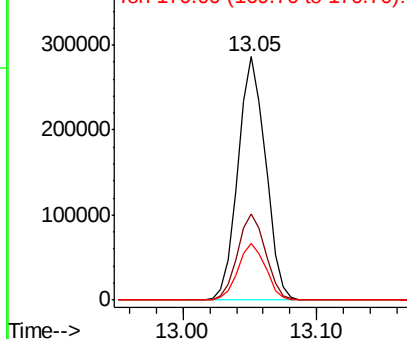
Tgt Ion:	172	Resp:	410704
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.3	40.9
170	23.1	17.9	26.9

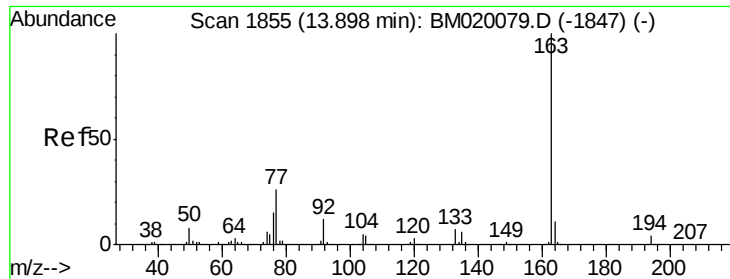
Abundance

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





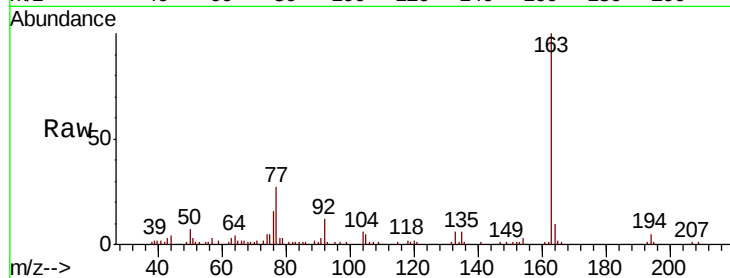
#50
Dimethylphthalate
Concen: 2.273 ng
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	10.0	8.4	12.6

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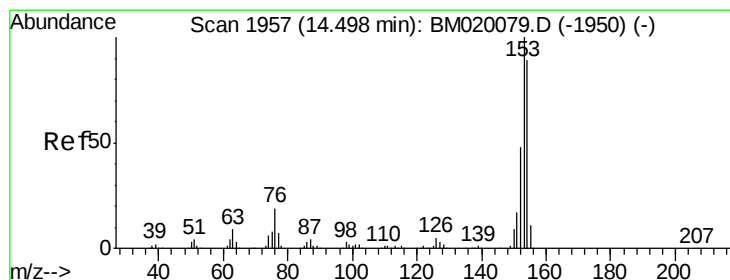
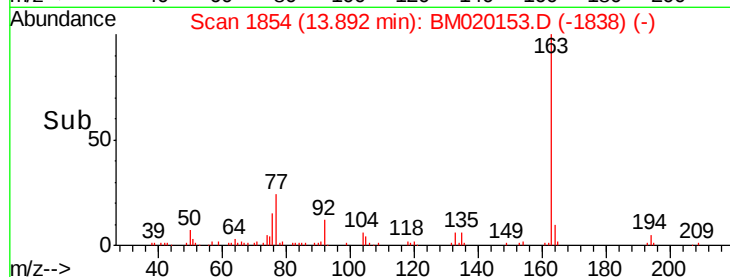
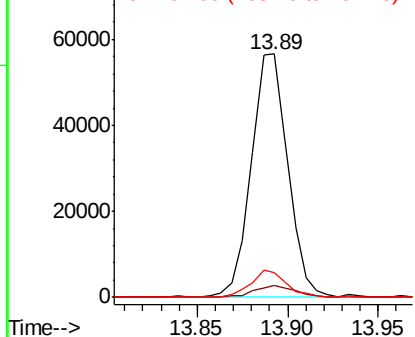


Abundance

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: 5.276 ng
RT: 14.50 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

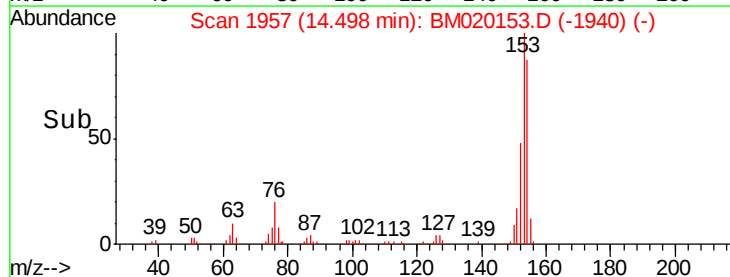
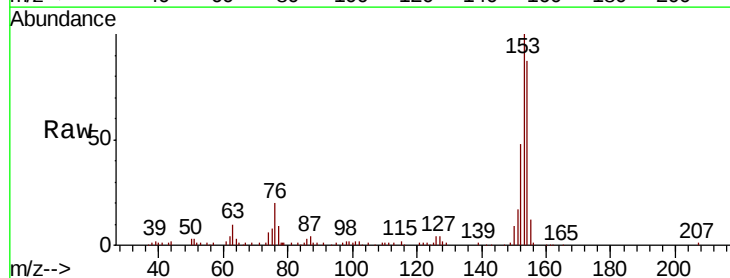
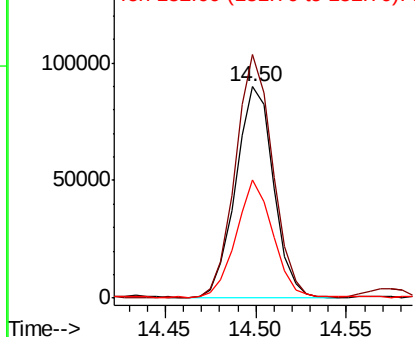
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.2	135.2
152	55.8	43.0	64.4

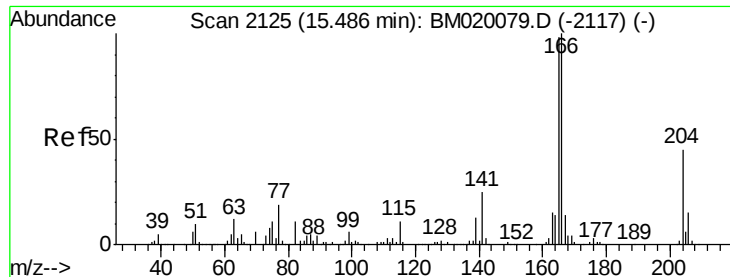
Abundance

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: 4.326 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

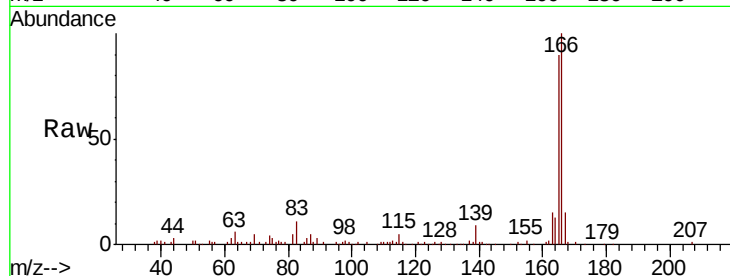
ClientSampleId :

SB-08-COMP

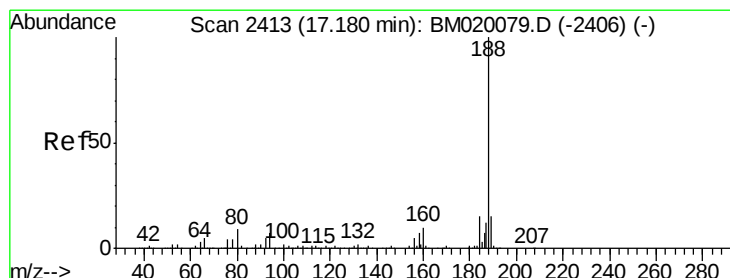
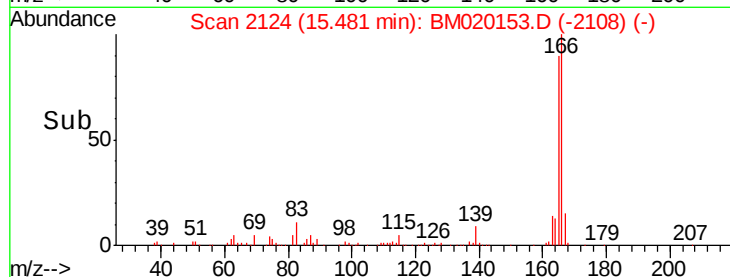
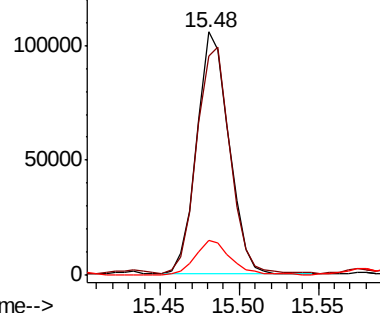
Tot Ion:	166	Resp:	148521
Ion Ratio	Lower	Upper	
166	100		
165	90.1	78.2	117.2
167	14.5	11.0	16.4

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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

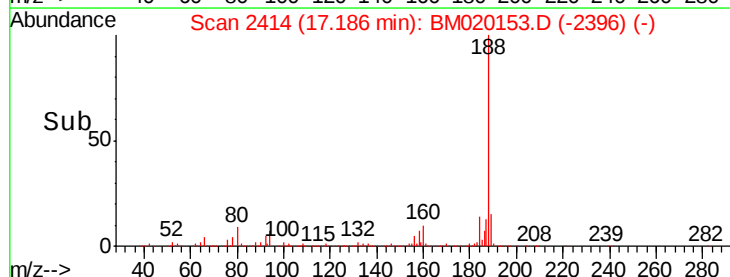
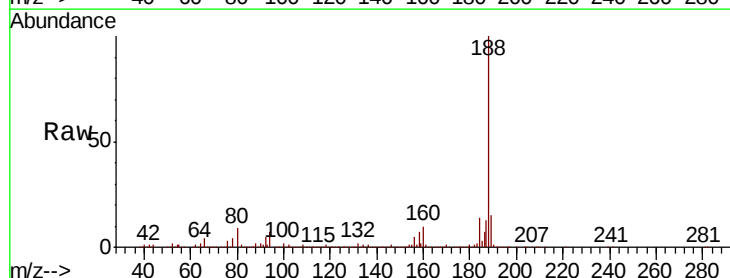
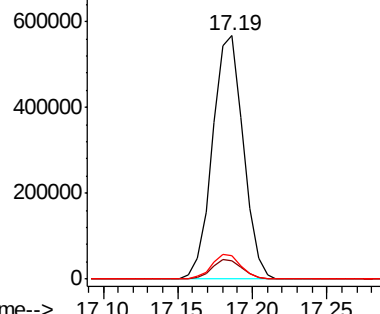
Delta R.T. 0.01 min

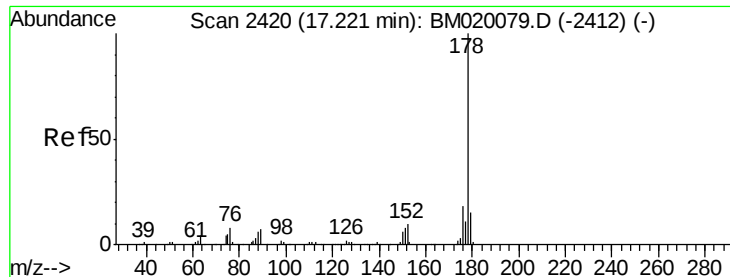
Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion:	188	Resp:	810020
Ion Ratio	Lower	Upper	
188	100		
94	7.3	5.8	8.6
80	9.4	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





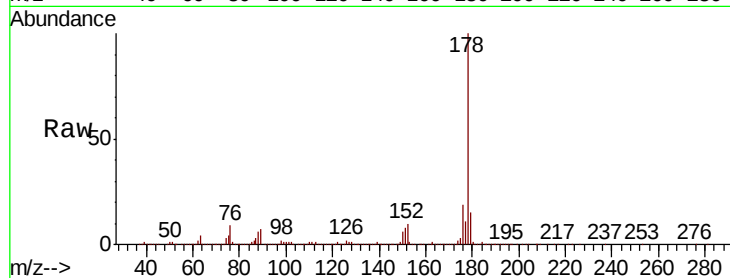
#71
Phenanthrene
Concen: 40.746 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.3	12.4	18.6

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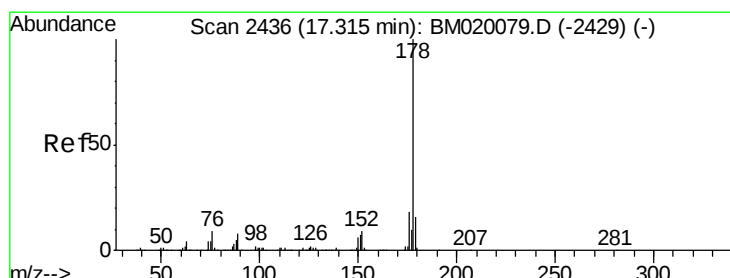
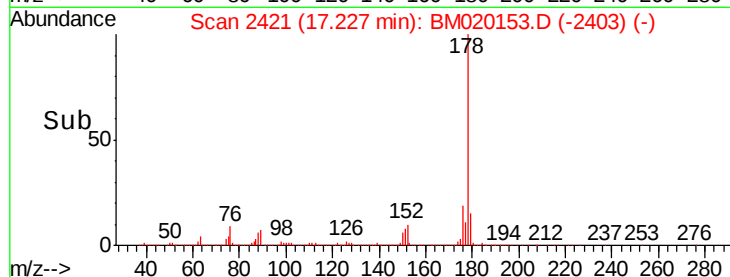
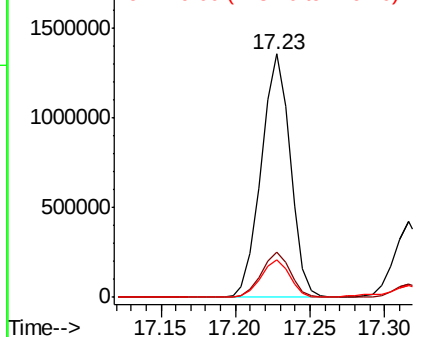


Abundance

Ion 178.00 (177.70 to 178.70): E

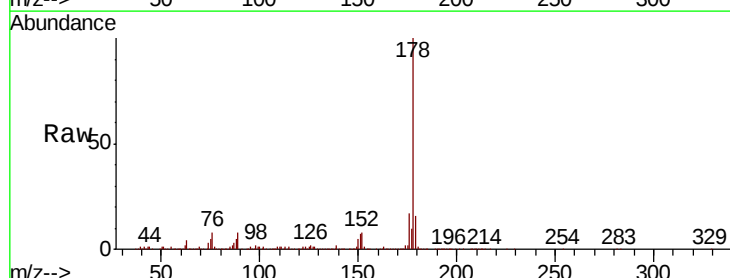
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 12.823 ng
RT: 17.32 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.6	22.0
179	16.0	12.4	18.6

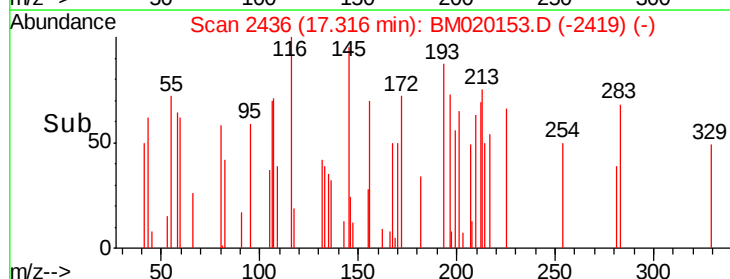
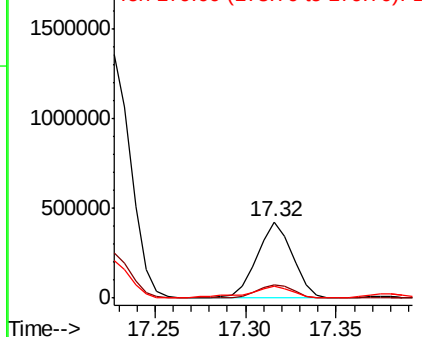


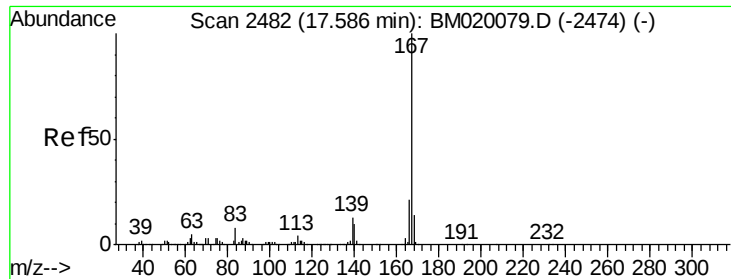
Abundance

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





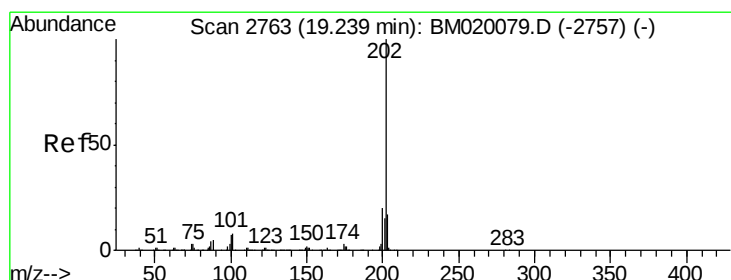
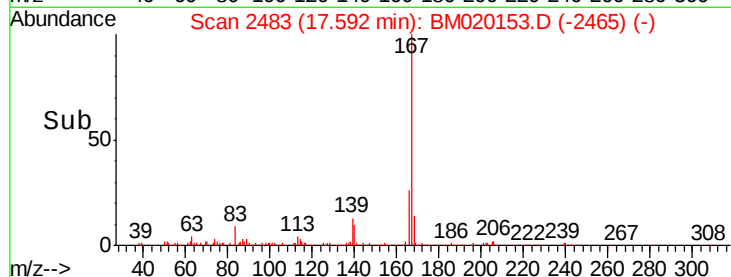
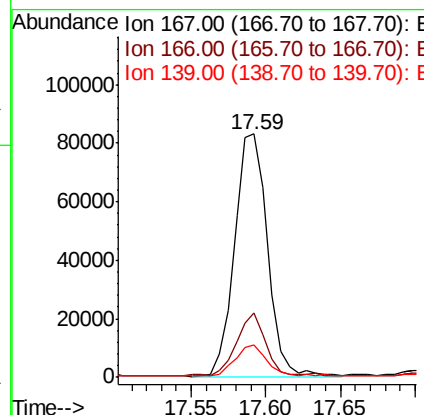
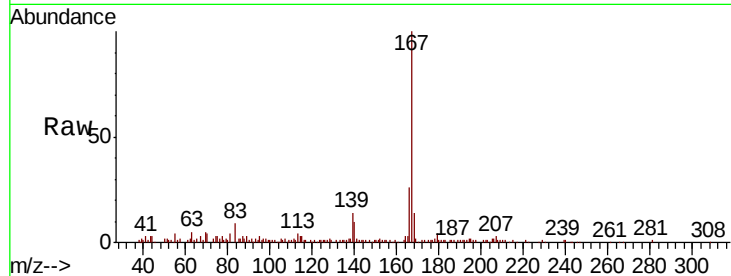
#73
 Carbazole
 Concen: 3.150 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	26.3	17.0	25.6#
139	13.5	10.6	16.0

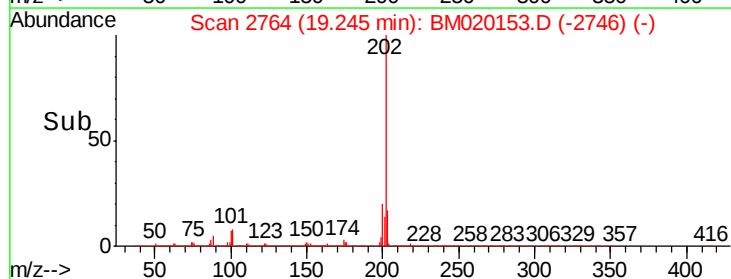
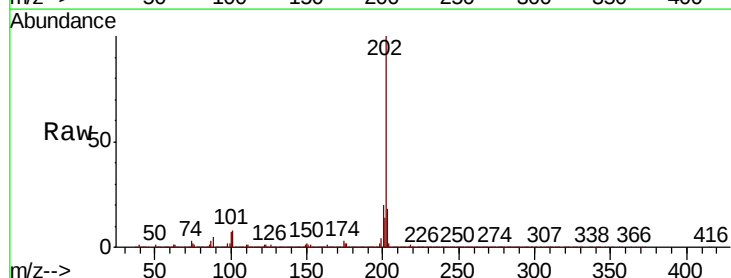
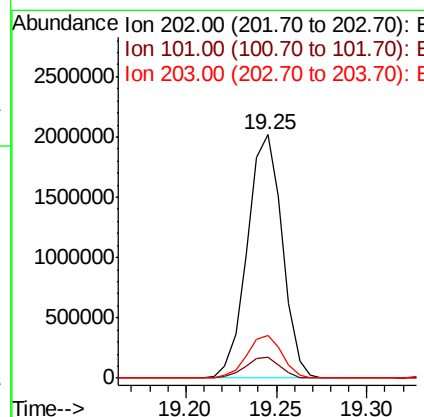
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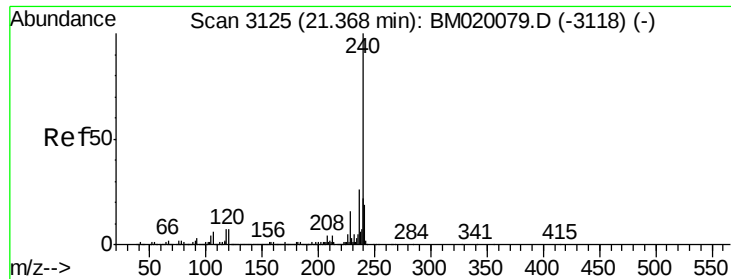
mohammad
 5/7/2019 3:12:03 PM



#75
 Fluoranthene
 Concen: 47.712 ng
 RT: 19.25 min Scan# 2764
 Delta R.T. 0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.5	0.0	37.4





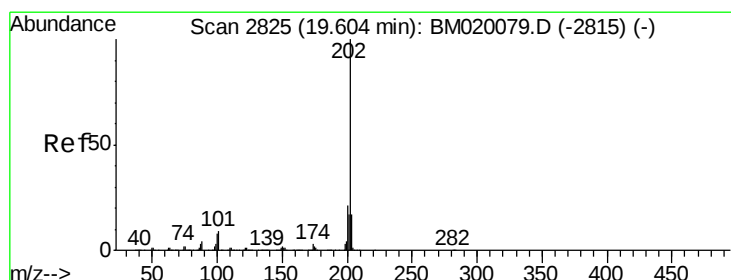
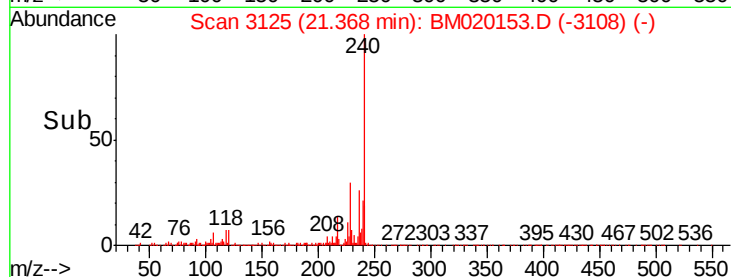
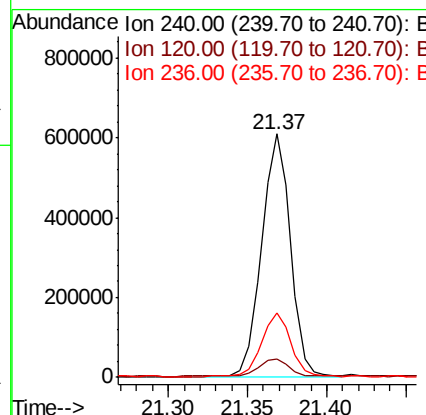
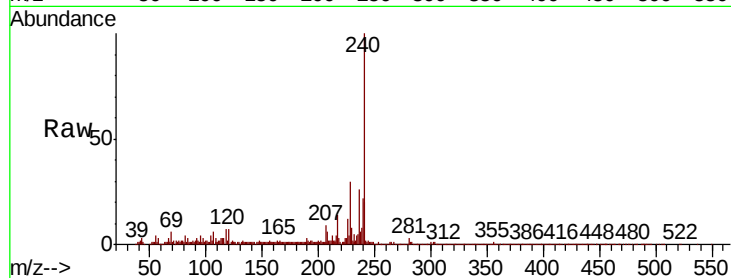
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	5.6	8.4
236	26.3	20.9	31.3

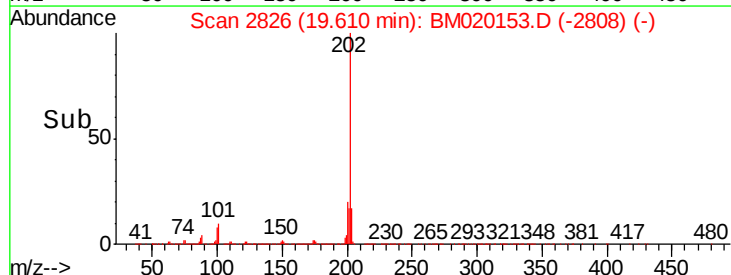
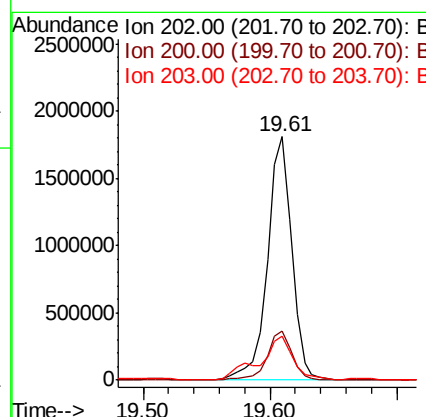
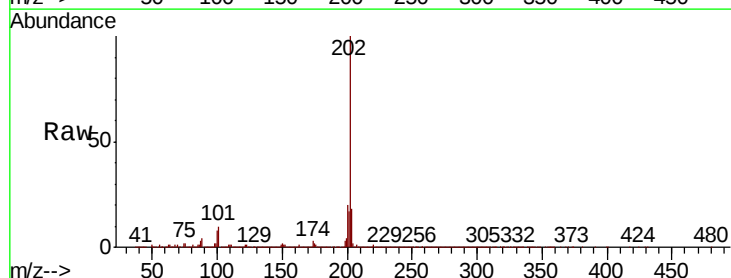
Manual Integrations
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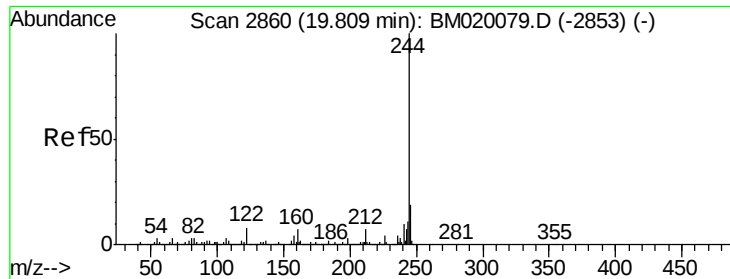
mohammad
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#78
Pyrene
Concen: 47.043 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.9	13.9	20.9





#79

Terphenyl-d14

Concen: 9.763 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

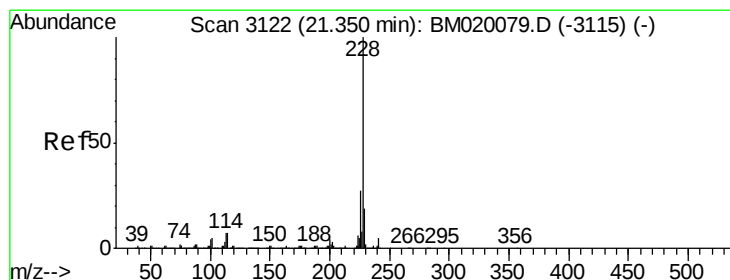
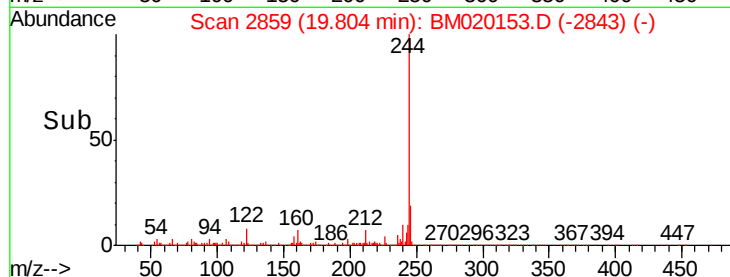
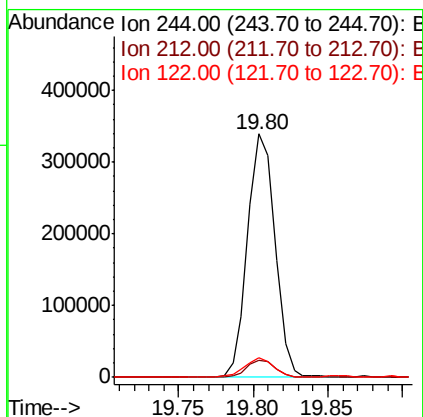
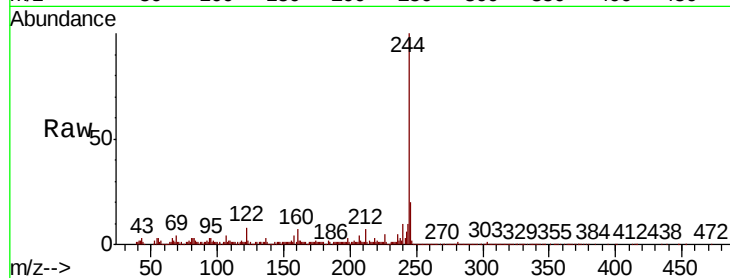
ClientSampleId :

SB-08-COMP

Tot Ion:	244	Resp:	428482
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.7	8.5
122	8.2	6.2	9.2

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#81

Benzo(a)anthracene

Concen: 25.664 ng

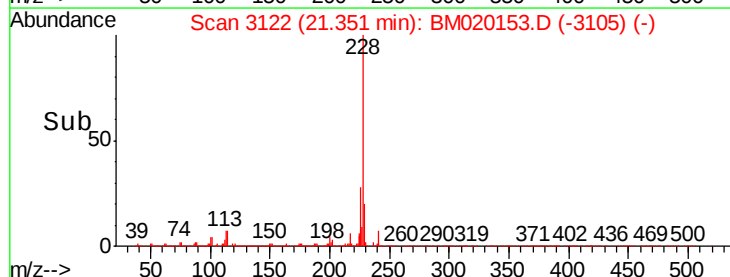
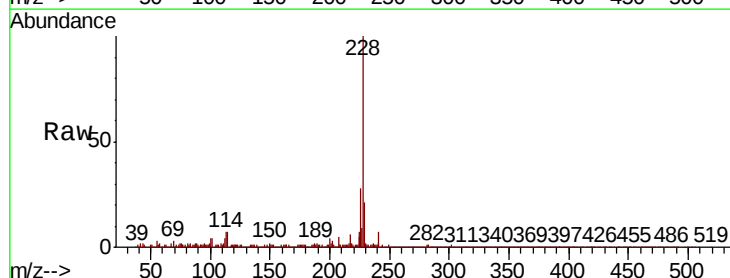
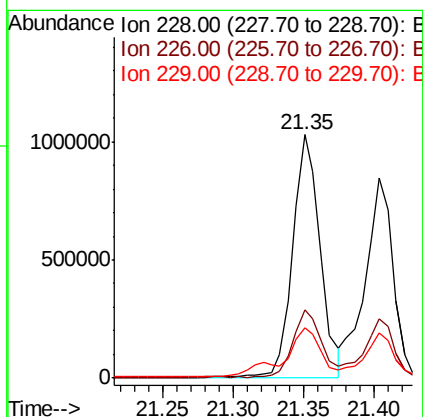
RT: 21.35 min Scan# 3122

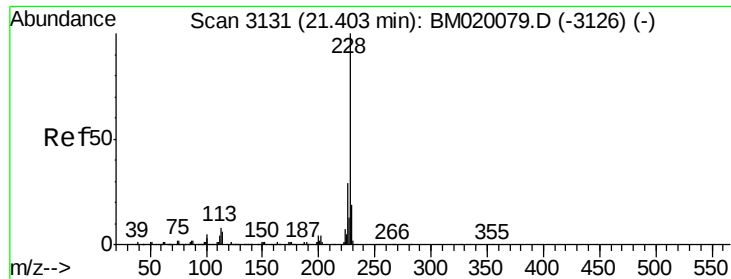
Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion:	228	Resp:	1377718
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.3	31.9
229	20.9	15.5	23.3





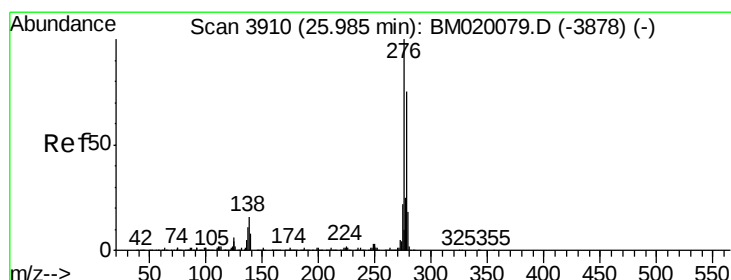
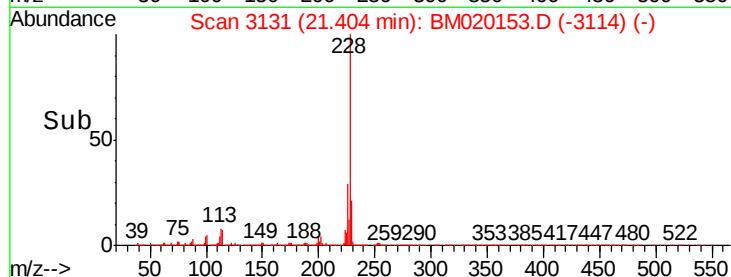
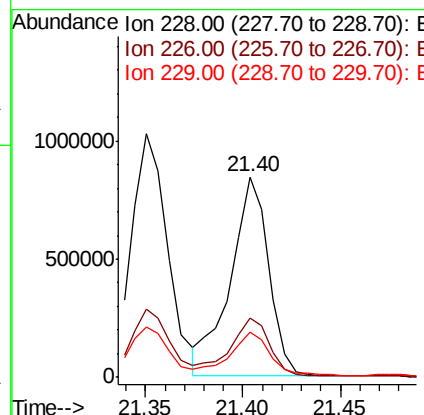
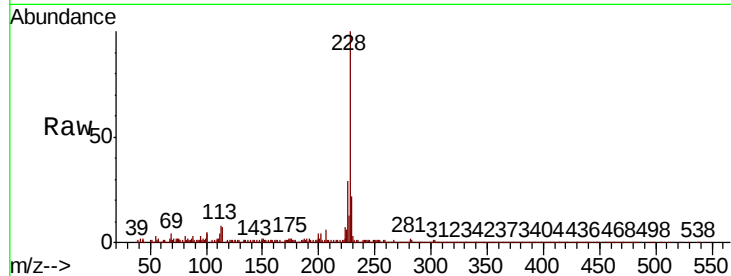
#83
Chrysene
Concen: 22.182 ng
RT: 21.40 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	22.5	15.5	23.3

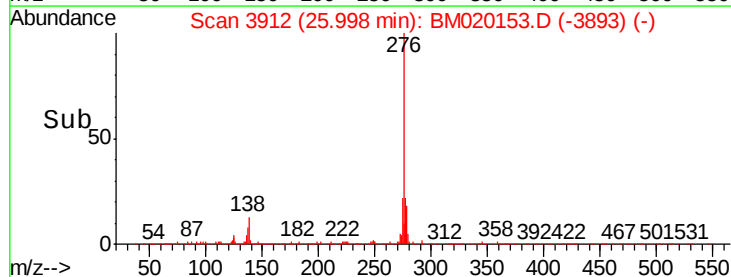
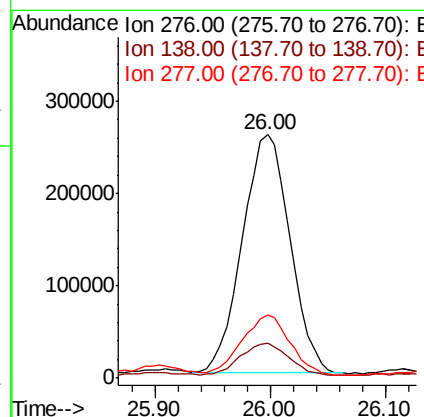
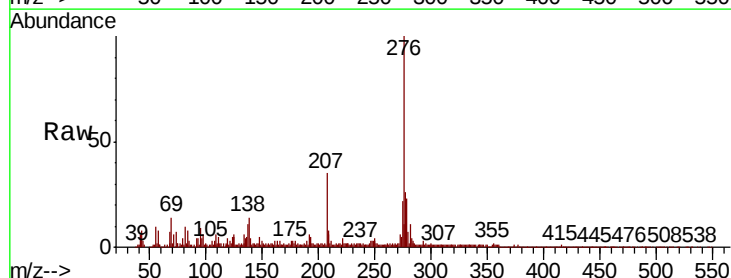
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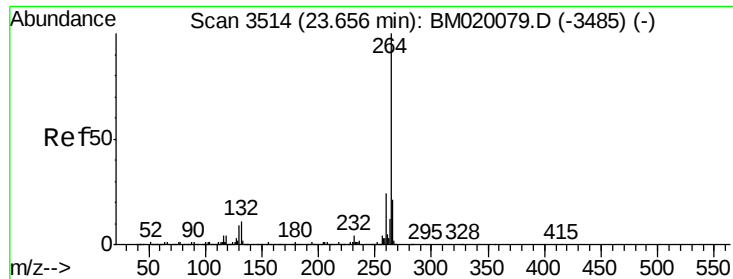
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.993 ng
RT: 26.00 min Scan# 3912
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	0.0	0.0#
277	25.2	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: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

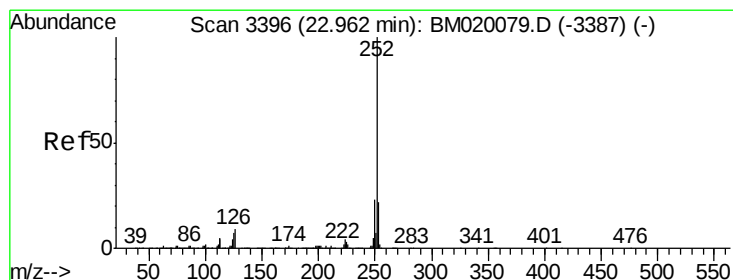
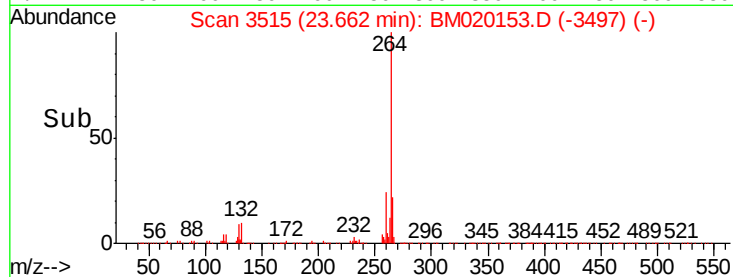
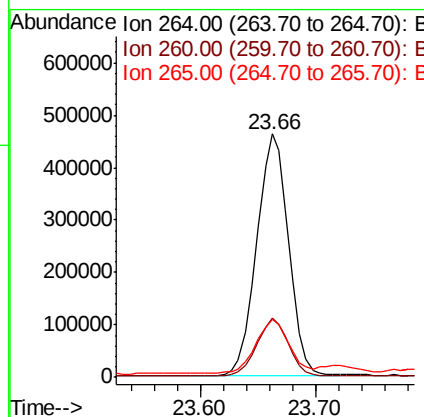
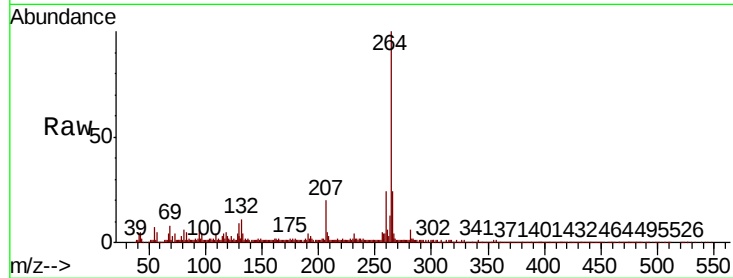
ClientSampleId :

SB-08-COMP

Tot Ion:	264	Resp:	890586
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	23.9	16.9	25.3

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 25.837 ng m

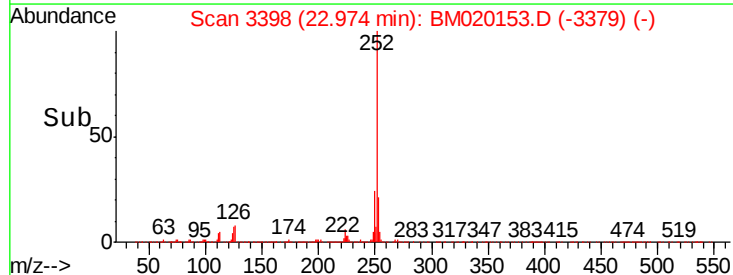
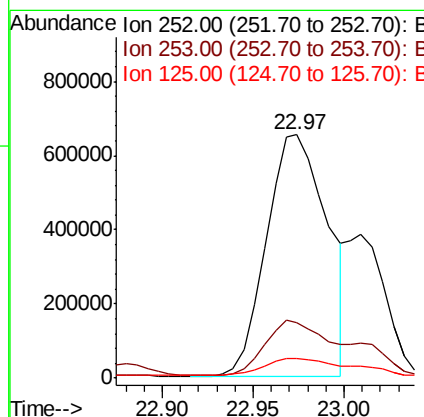
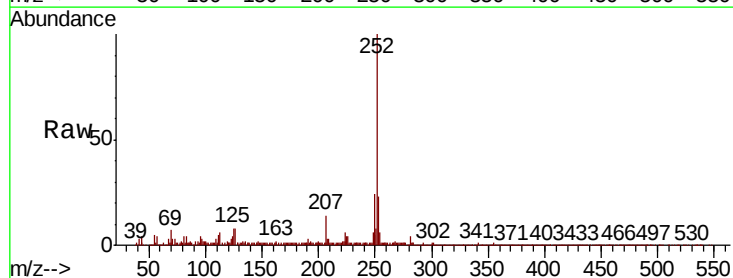
RT: 22.97 min Scan# 3398

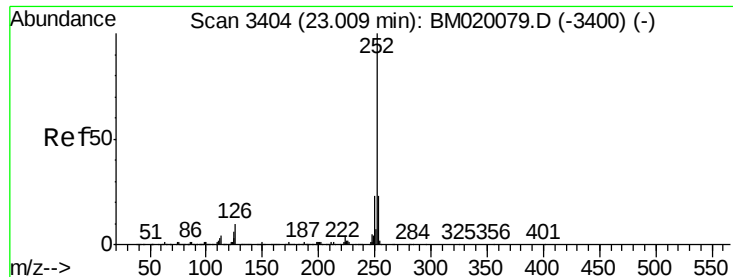
Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion:	252	Resp:	1519438
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	8.2	5.4	8.2#





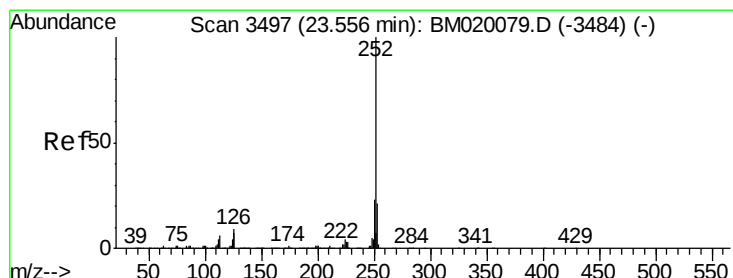
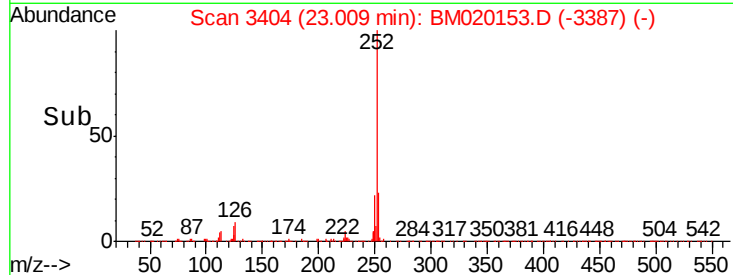
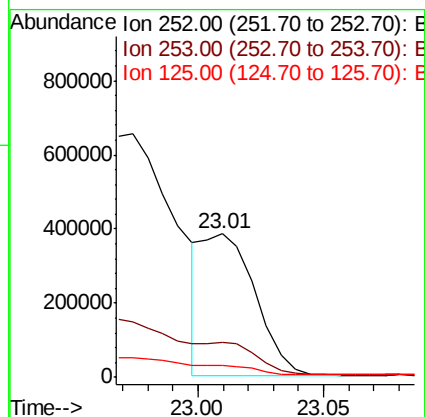
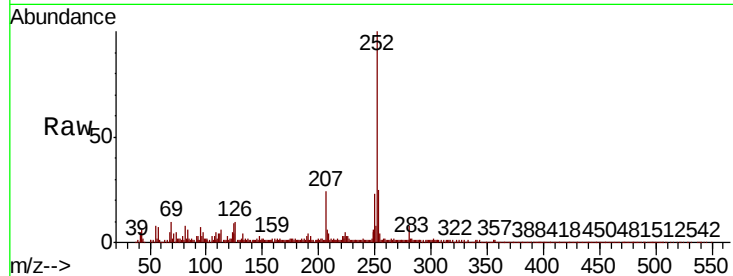
#89
Benzo(k)fluoranthene
Concen: 10.235 ng m
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	8.7	5.4	8.0#

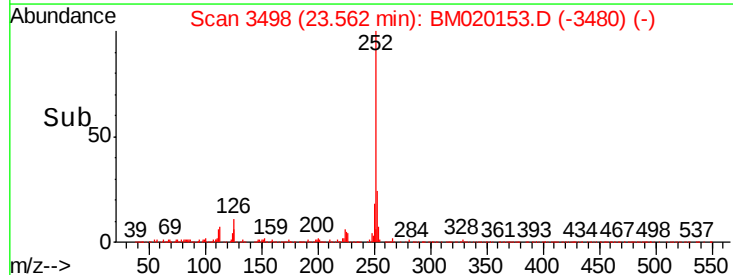
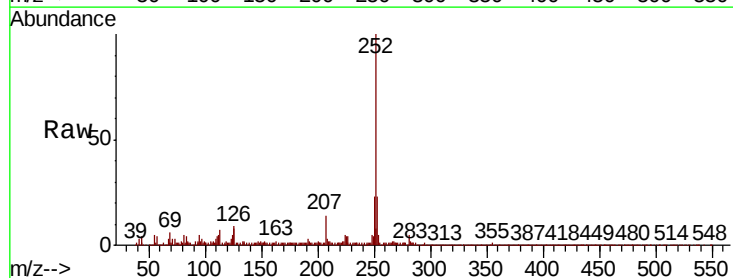
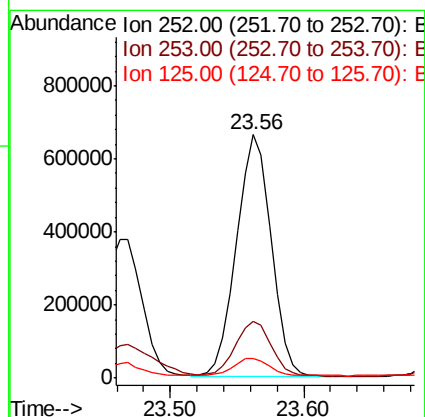
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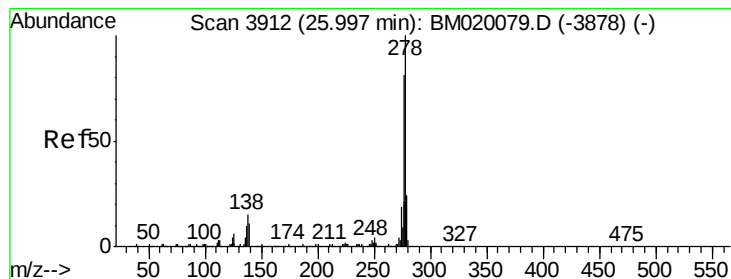
mohammad
5/7/2019 3:12:03 PM



#90
Benzo(a)pyrene
Concen: 22.394 ng
RT: 23.56 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	8.2	5.5	8.3





#91

Dibenzo(a,h)anthracene

Concen: 3.677 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

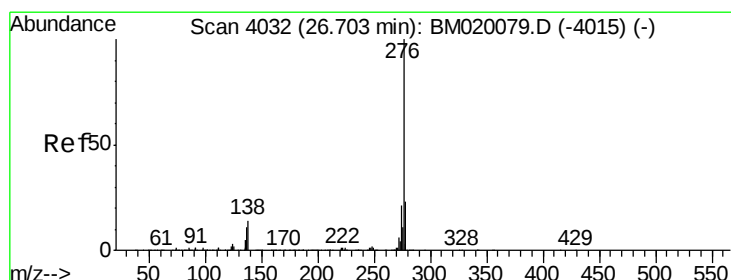
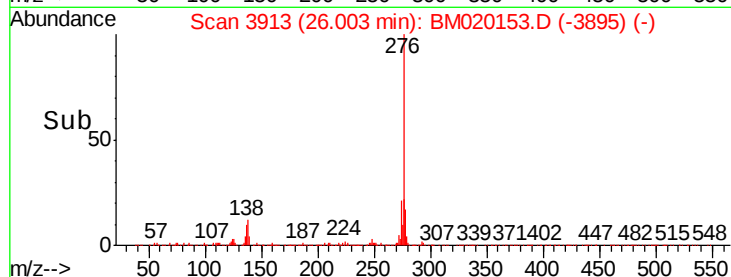
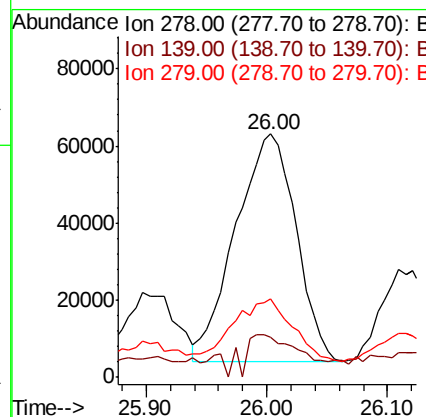
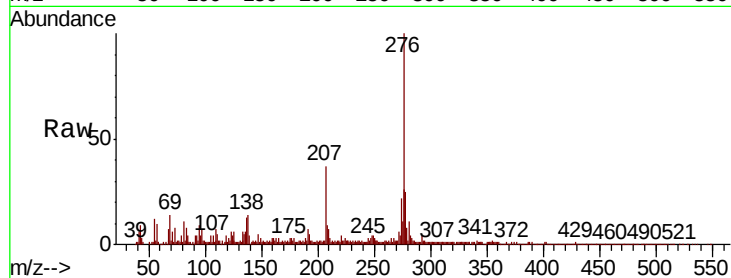
ClientSampleId :

SB-08-COMP

Tot Ion:	278	Resp:	204262
Ion Ratio	Lower	Upper	
278	100		
139	16.7	8.6	13.0#
279	32.1	18.8	28.2#

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 13.301 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion:	276	Resp:	701501
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.4	27.6
138	14.5	11.1	16.7

