

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
 Data File : BM020147.D
 Acq On : 06 May 2019 22:02
 Operator : JU/SJ
 Sample : K2673-08 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMP

Manual Integrations
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Quant Time: May 07 06:52:24 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	147240	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	545340	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	330577	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	770640	20.00	ng	0.00
76) Chrysene-d12	21.37	240	776639	20.00	ng	0.00
87) Perylene-d12	23.67	264	904665	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	635581	70.56	ng	0.00
7) Phenol-d6	6.96	99	894779	72.71	ng	0.01
23) Nitrobenzene-d5	8.96	82	605428	43.83	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	375047	73.09	ng	0.01
45) 2-Fluorobiphenyl	13.06	172	1118762	41.64	ng	0.00
79) Terphenyl-d14	19.81	244	1637932	36.79	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.64	128	355697	12.569	ng	98
37) 2-Methylnaphthalene	12.25	142	145210	7.038	ng	96
38) 1-Methylnaphthalene	12.47	142	125064	6.199	ng	98
49) Acenaphthylene	14.16	152	673471	19.370	ng	100
50) Dimethylphthalate	13.89	163	184659	6.572	ng	99
52) Acenaphthene	14.50	154	88920	4.460	ng	98
55) Dibenzofuran	14.84	168	364826	10.848	ng	99
58) Fluorene	15.49	166	247331	8.955	ng	97
71) Phenanthrene	17.23	178	6037619	141.928	ng	100
72) Anthracene	17.32	178	671689	15.792	ng	99
73) Carbazole	17.59	167	473194	12.330	ng	99
75) Fluoranthene	19.25	202	7861432	146.058	ng	99
78) Pyrene	19.62	202	6504307	124.740	ng	99
81) Benzo(a)anthracene	21.36	228	2537318	46.586	ng	96
83) Chrysene	21.41	228	2869641	54.326	ng	97
86) Indeno(1,2,3-cd)pyrene	26.01	276	1997291	31.788	ng	# 100
88) Benzo(b)fluoranthene	22.98	252	3979397	66.613	ng	99
89) Benzo(k)fluoranthene	23.02	252	1309641m	24.033	ng	
90) Benzo(a)pyrene	23.57	252	2678719	49.366	ng	96
91) Dibenz(a,h)anthracene	26.02	278	457921	8.115	ng	# 83
92) Benzo(g,h,i)perylene	26.74	276	1854064	34.606	ng	98

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

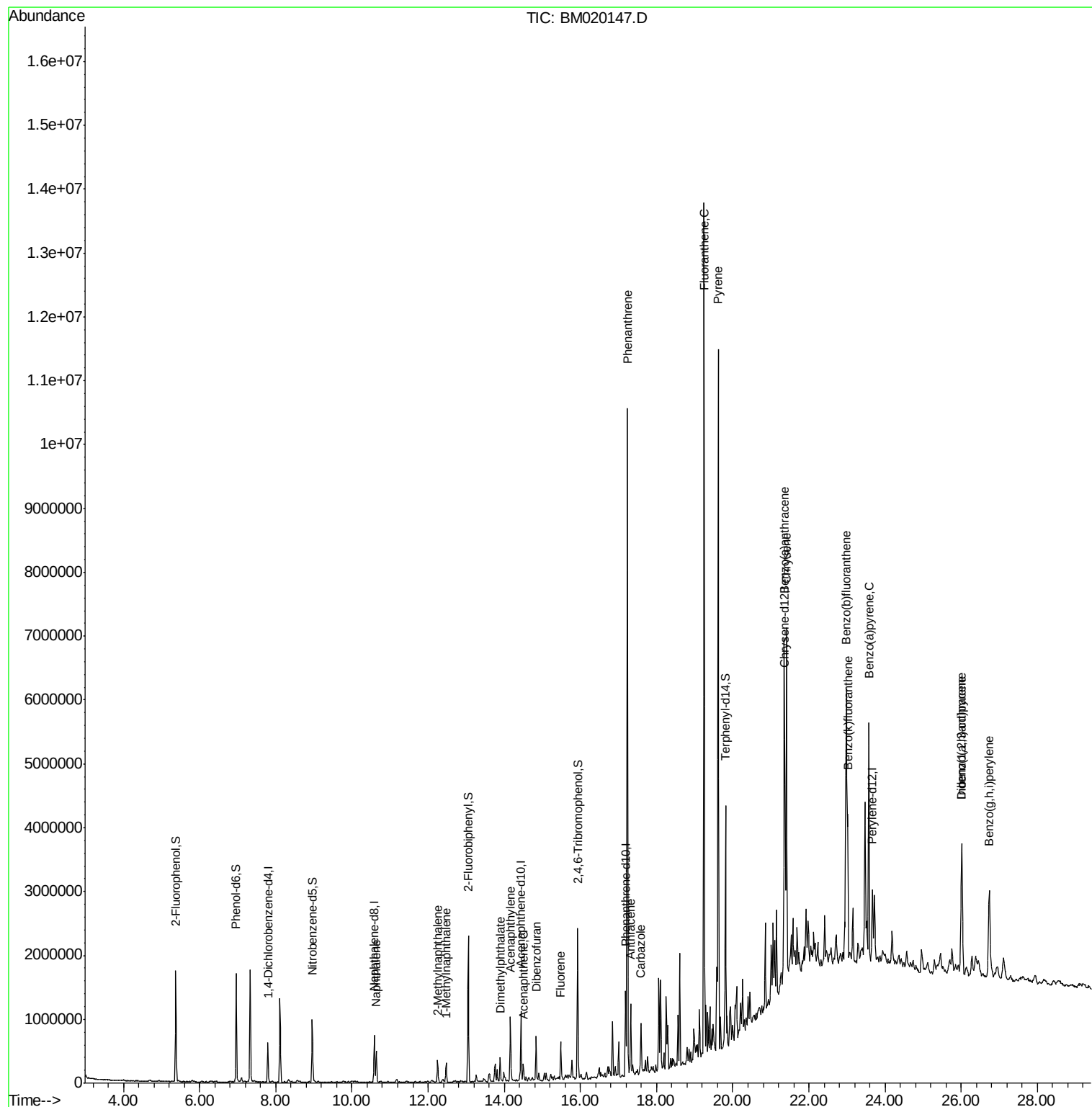
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020147.D
Acq On : 06 May 2019 22:02
Operator : JU/SJ
Sample : K2673-08 2X
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ALS Vial : 18 Sample Multiplier: 1

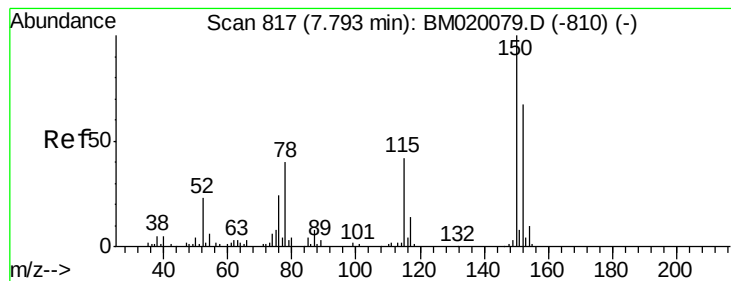
Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

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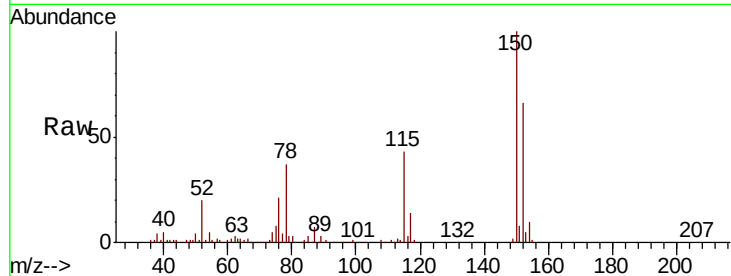
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.79 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BM020147.D
 Acq: 06 May 2019 22:02

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	119.8	179.8
115	64.4	50.8	76.2

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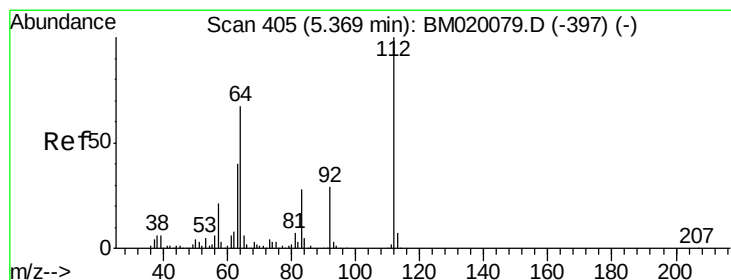
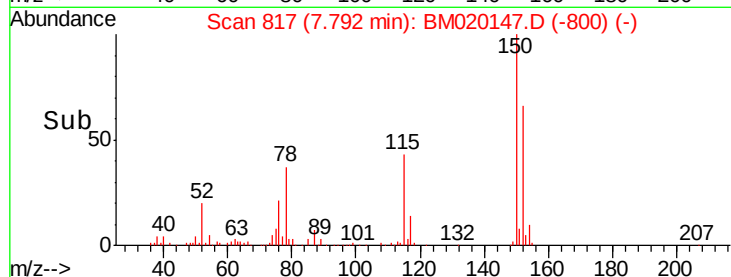
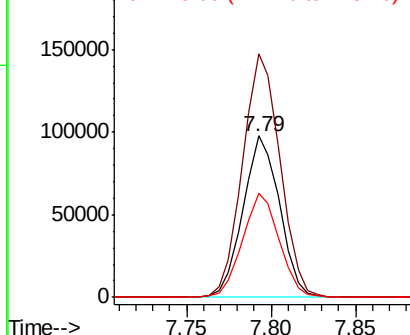


Abundance

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: 70.559 ng
 RT: 5.37 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: BM020147.D
 Acq: 06 May 2019 22:02

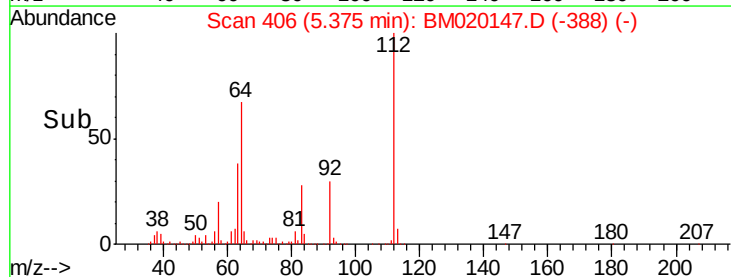
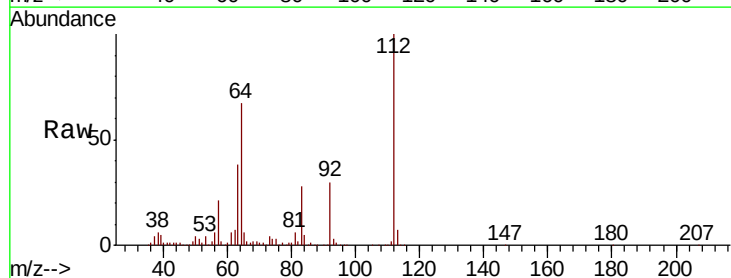
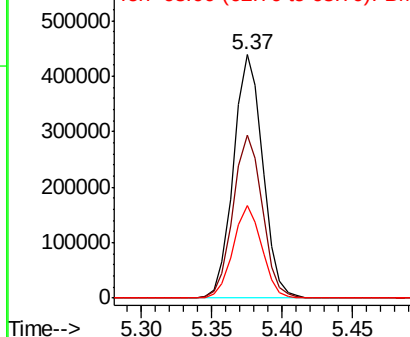
Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.8	80.6
63	37.8	32.3	48.5

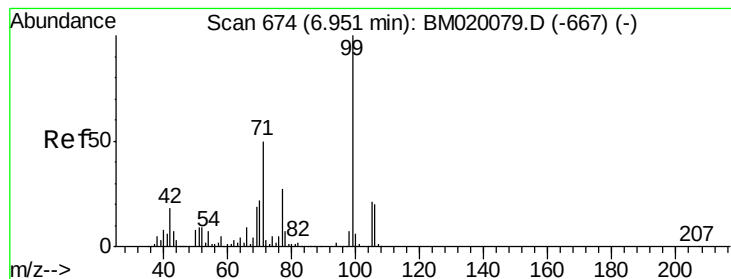
Abundance

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: 72.712 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

Instrument :

BNA_M

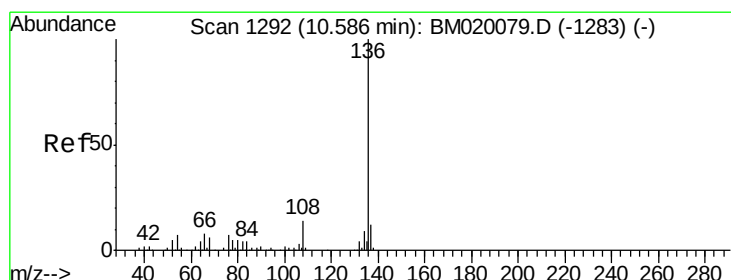
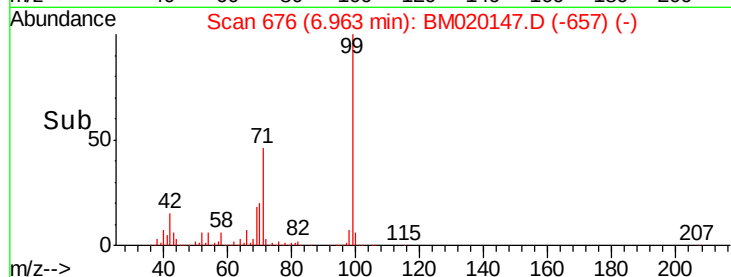
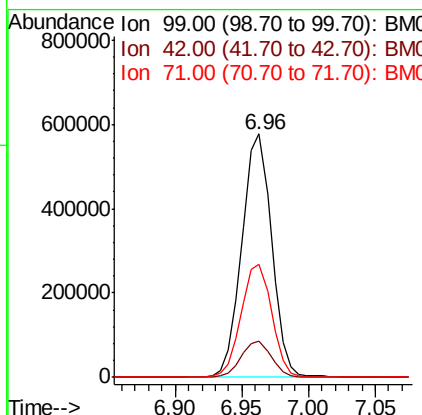
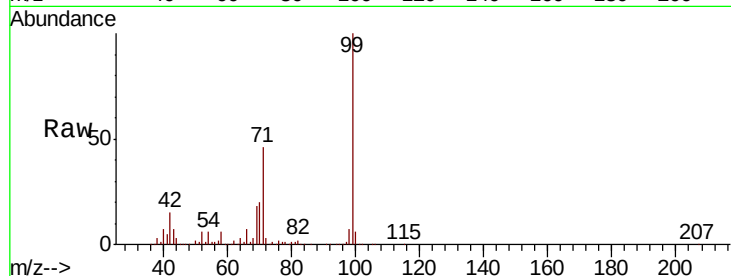
ClientSampleId :

SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
99	100	894779		
42	14.9		14.2	21.2
71	46.4		40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

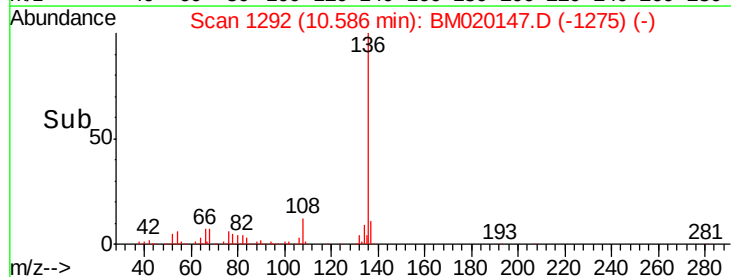
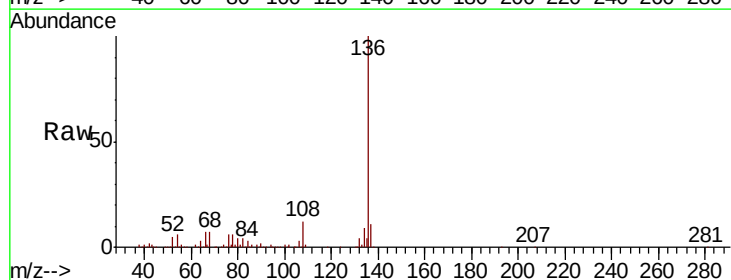
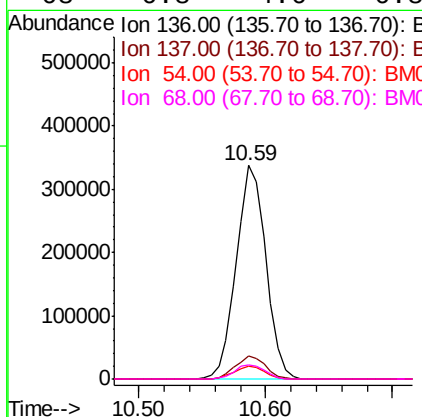
RT: 10.59 min Scan# 1292

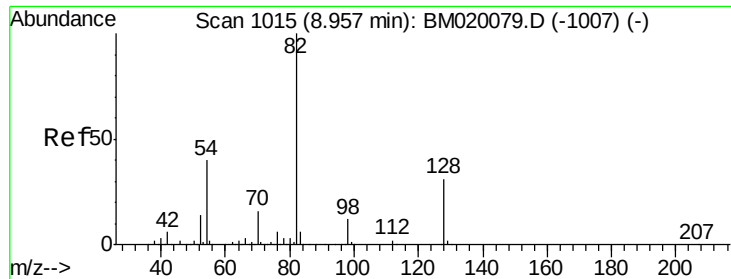
Delta R.T. -0.00 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	545340		
137	10.9		9.6	14.4
54	6.1		5.5	8.3
68	6.8		4.6	6.8





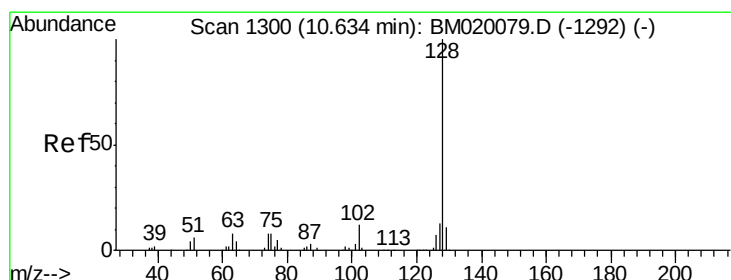
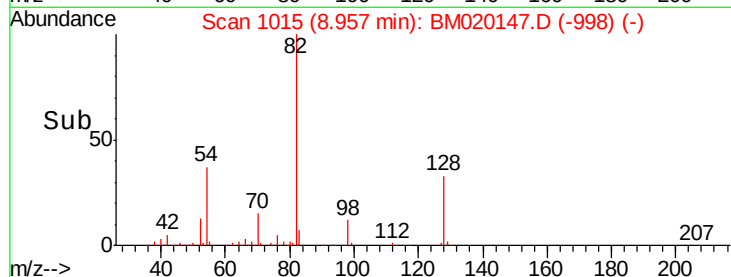
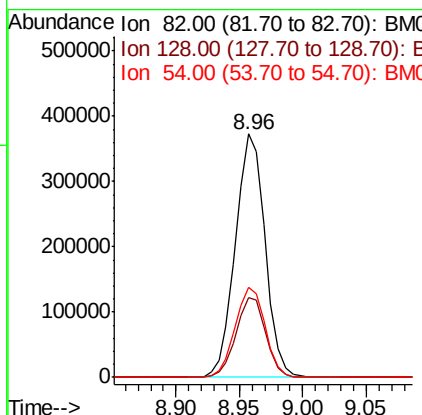
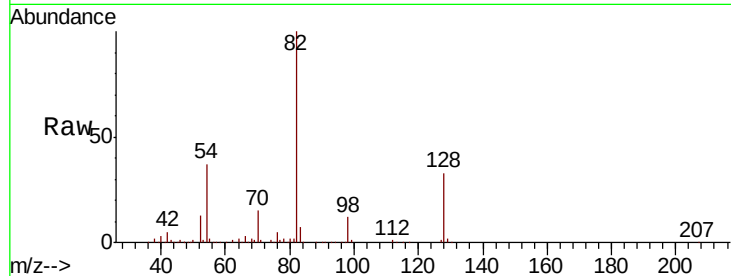
#23
Nitrobenzene-d5
Concen: 43.830 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	25.2	37.8
54	36.9	31.9	47.9

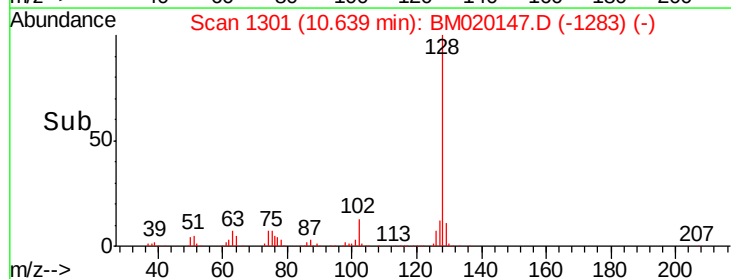
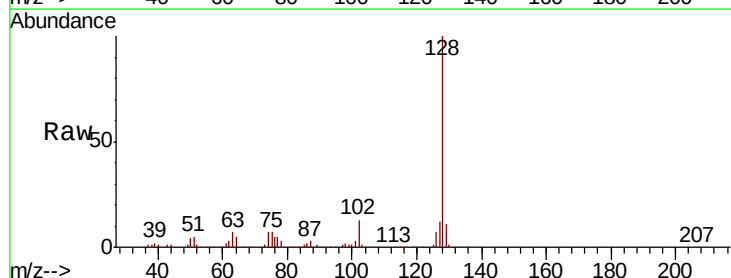
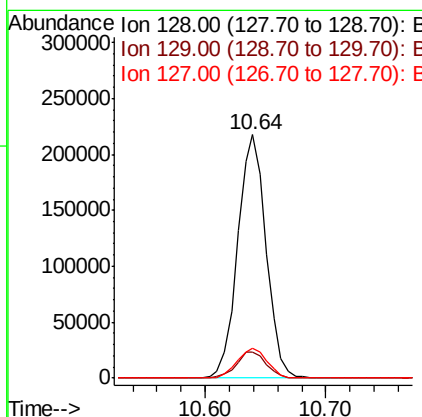
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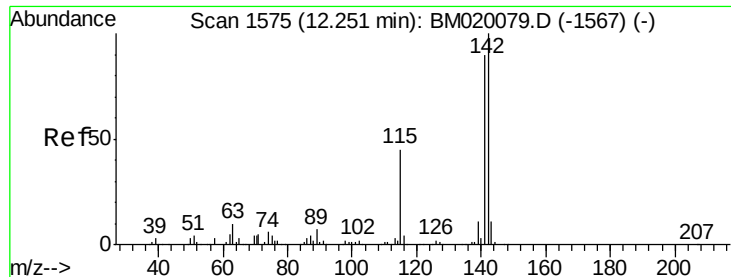
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#31
Naphthalene
Concen: 12.569 ng
RT: 10.64 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	12.3	10.4	15.6





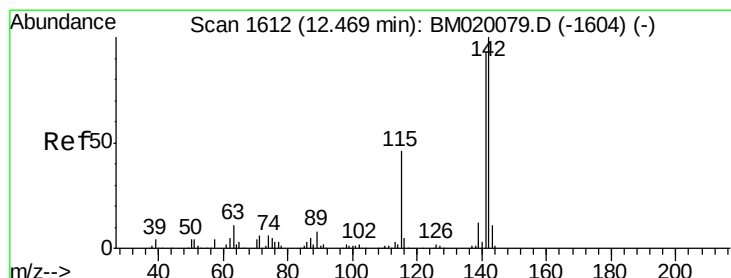
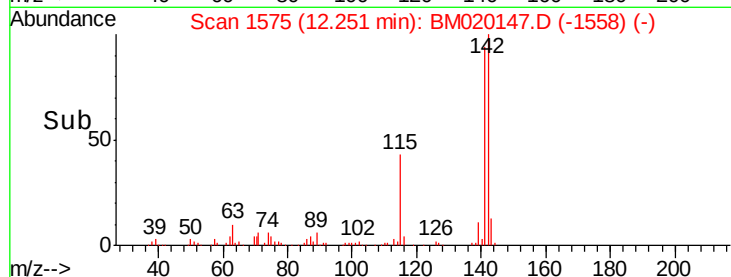
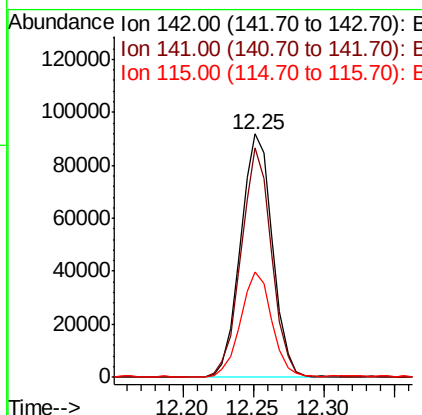
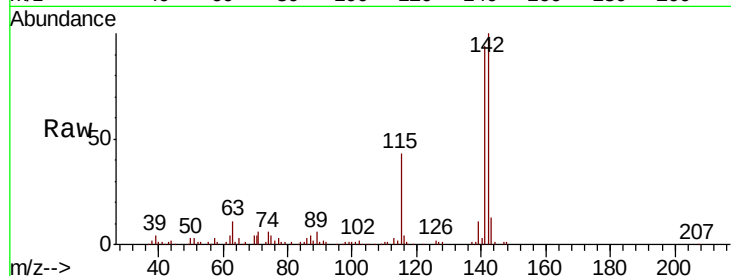
#37
2-Methylnaphthalene
Concen: 7.038 ng
RT: 12.25 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.3	71.6	107.4
115	43.4	35.8	53.6

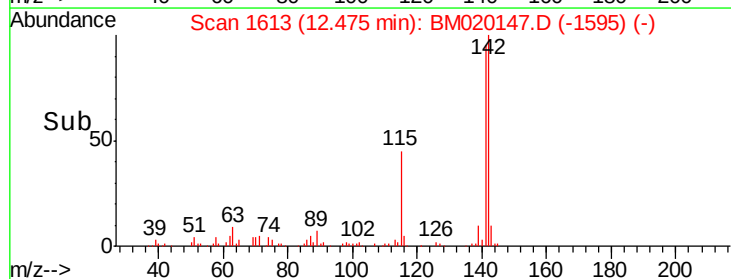
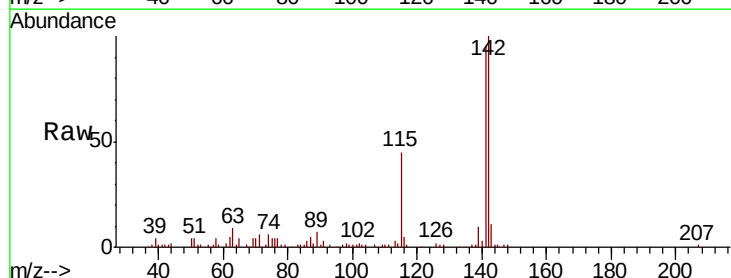
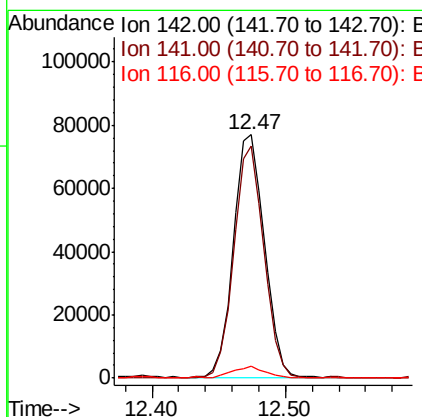
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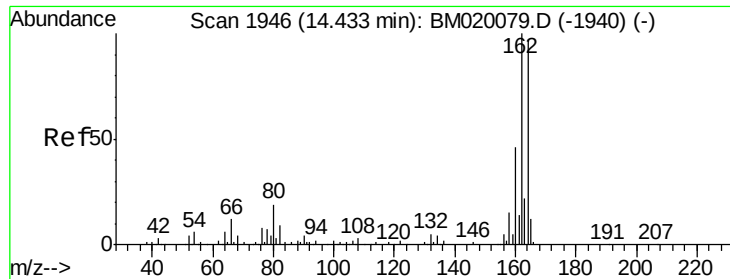
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#38
1-Methylnaphthalene
Concen: 6.199 ng
RT: 12.47 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.3	74.8	112.2
116	4.9	3.9	5.9





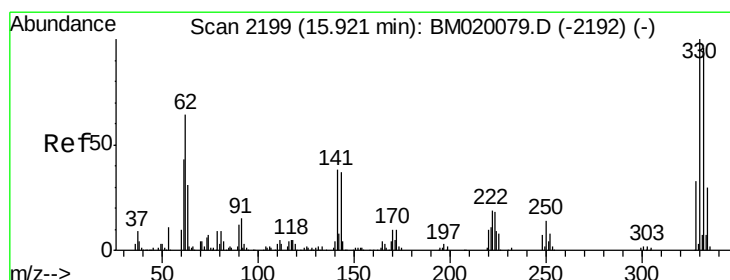
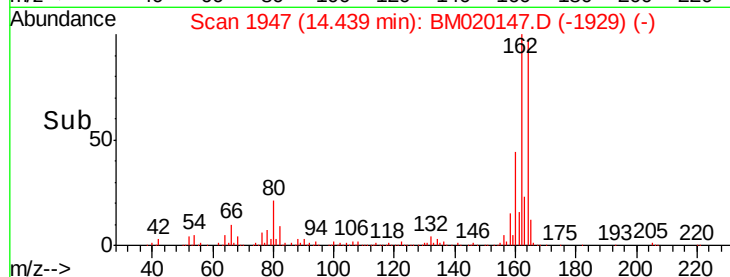
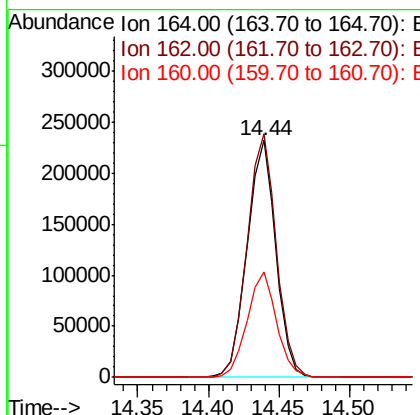
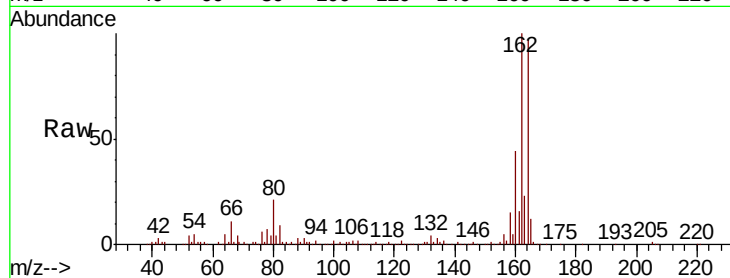
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.2	123.2	
160	44.7	37.6	56.4	

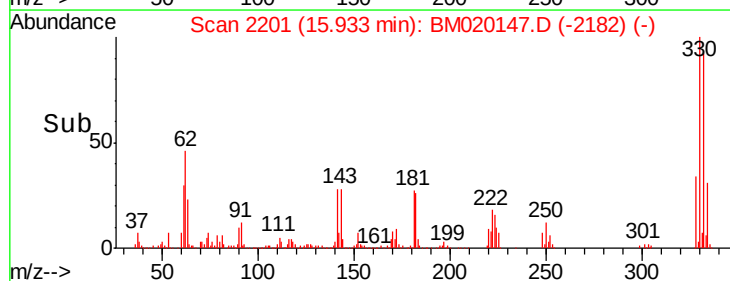
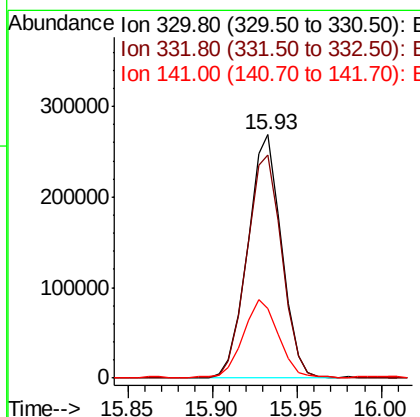
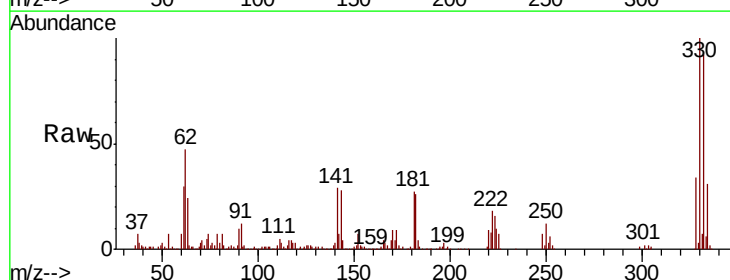
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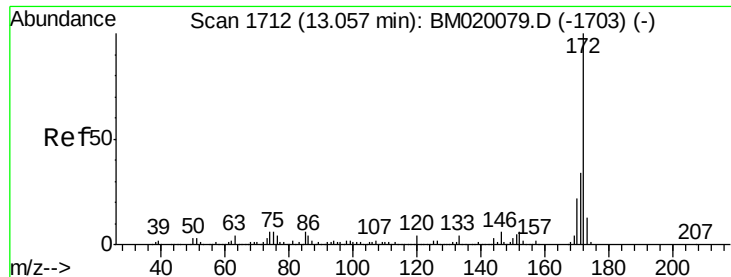
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#42
2,4,6-Tribromophenol
Concen: 73.092 ng
RT: 15.93 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.8	115.2	
141	32.8	29.2	43.8	





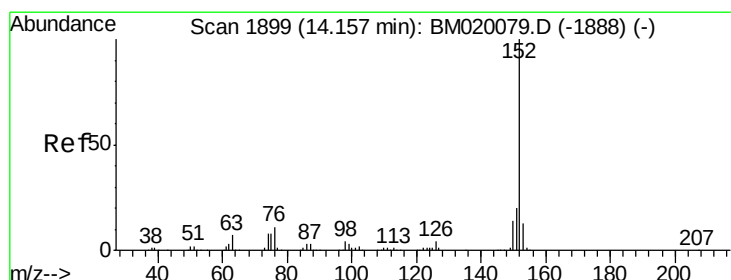
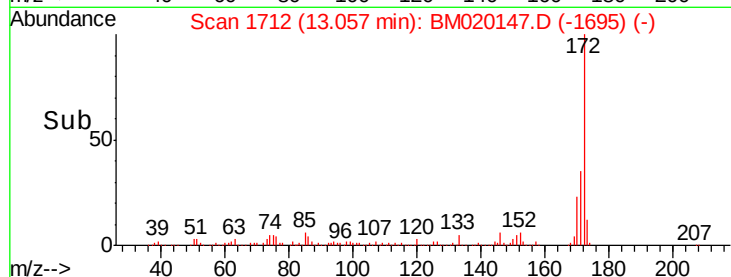
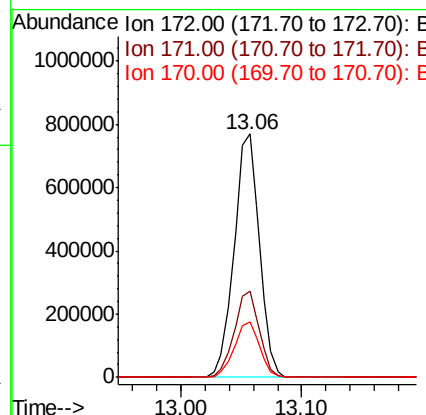
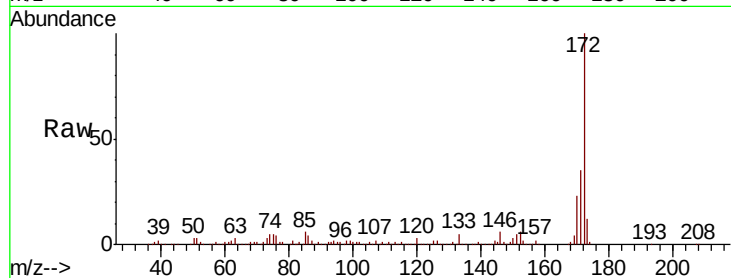
#45
2-Fluorobiphenyl
Concen: 41.639 ng
RT: 13.06 min Scan# 1712
Delta R.T. -0.00 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	22.8	17.9	26.9

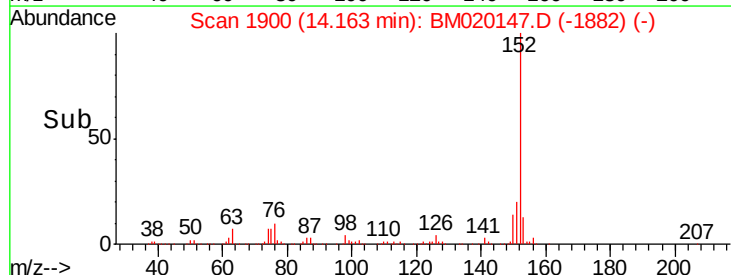
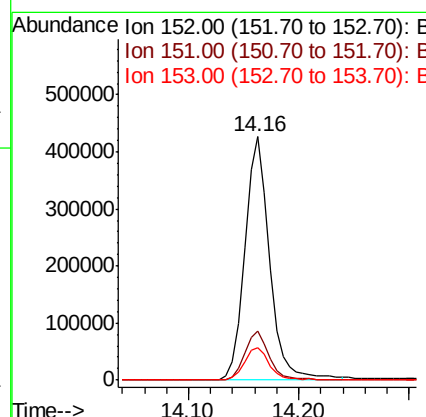
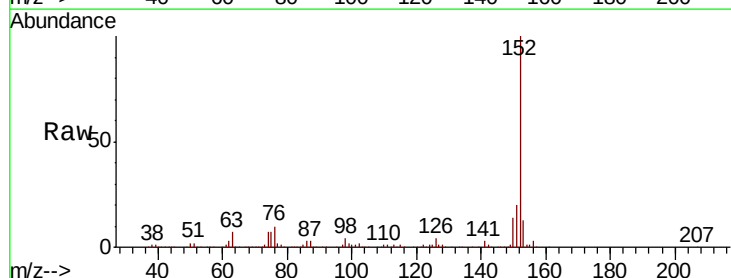
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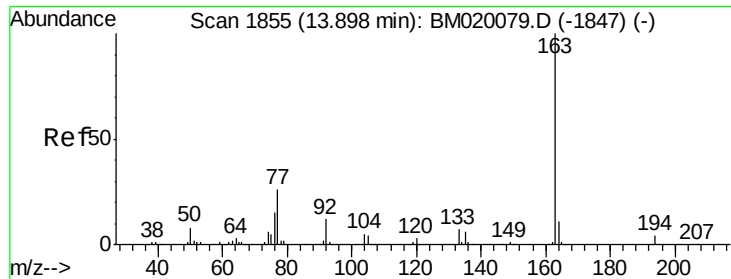
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#49
Acenaphthylene
Concen: 19.370 ng
RT: 14.16 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.5	10.6	16.0





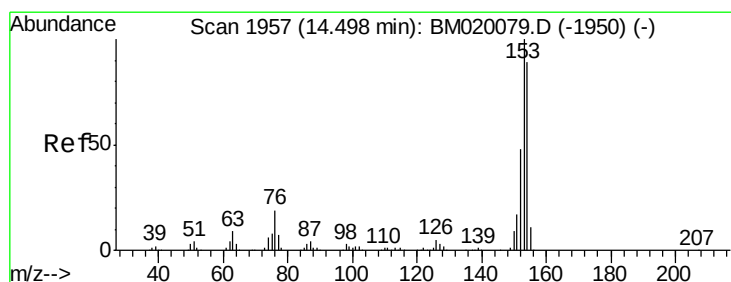
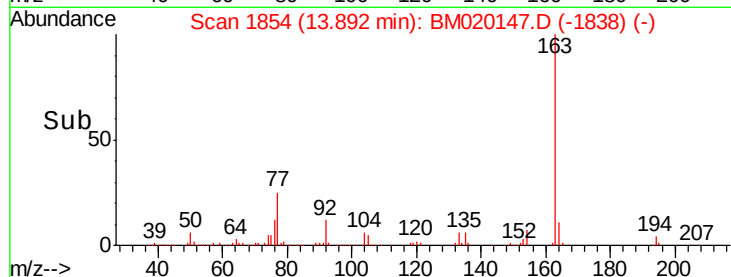
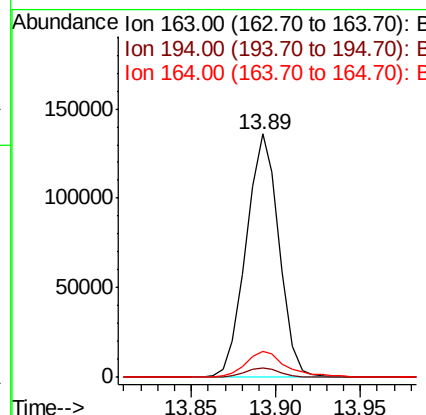
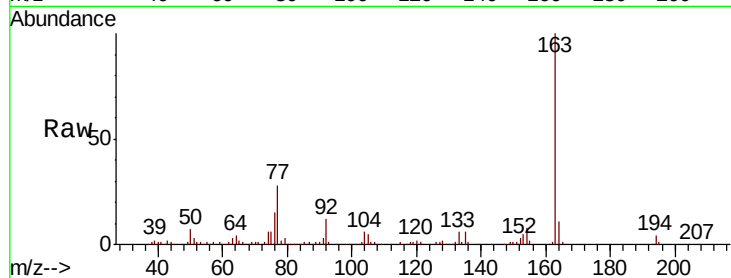
#50
Dimethylphthalate
Concen: 6.572 ng
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	184659		
194	4.0		3.6	5.4
164	10.7		8.4	12.6

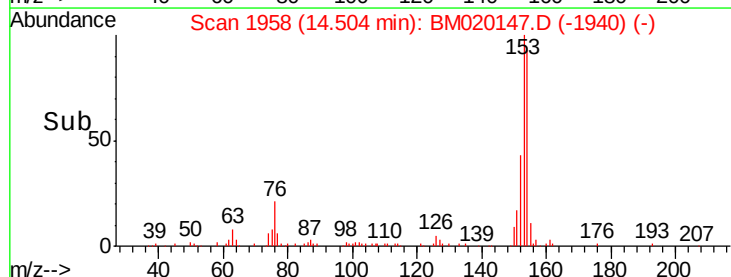
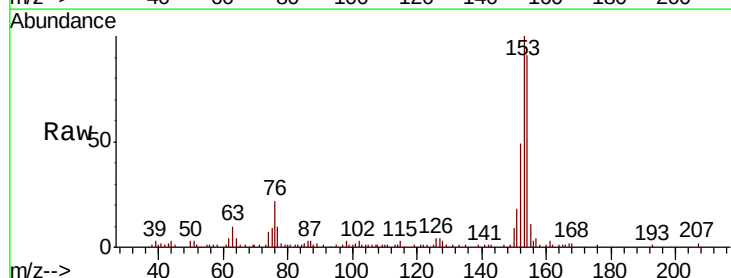
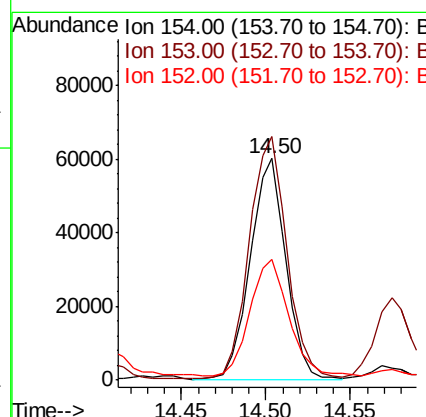
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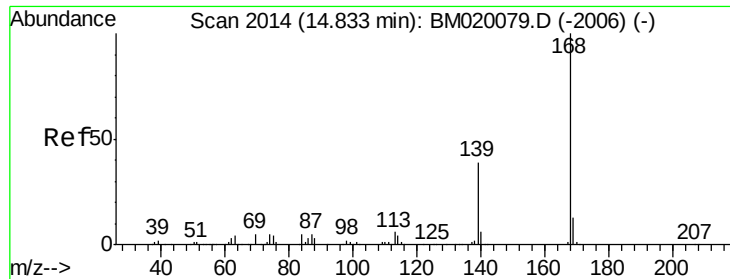
mohammad
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#52
Acenaphthene
Concen: 4.460 ng
RT: 14.50 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	88920		
153	110.0		90.2	135.2
152	54.3		43.0	64.4





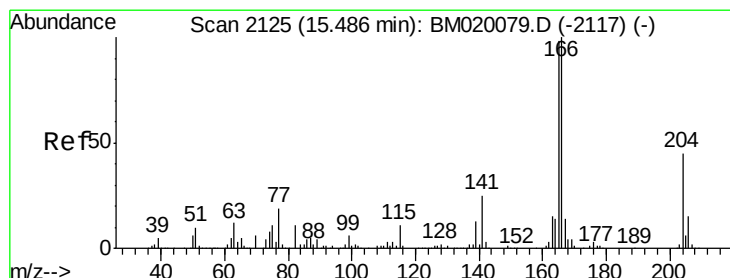
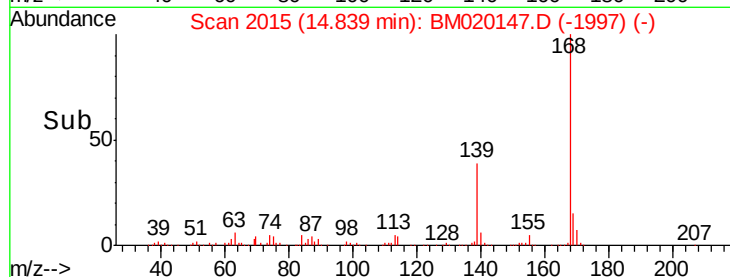
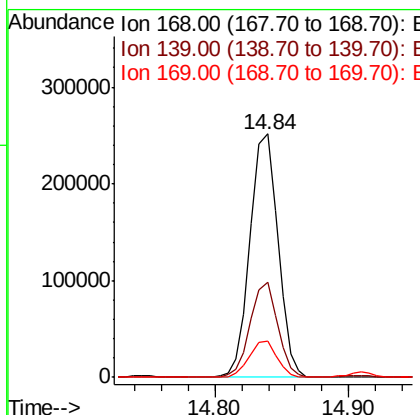
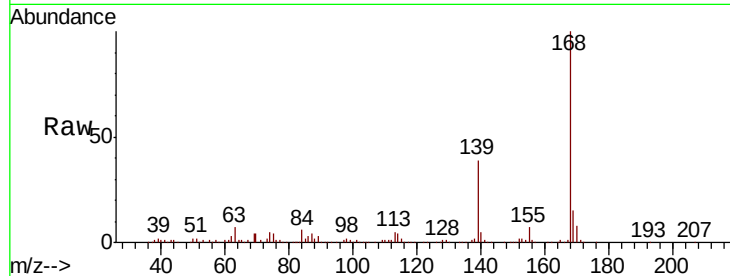
#55
Dibenzofuran
Concen: 10.848 ng
RT: 14.84 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.1	46.7
169	14.9	10.6	16.0

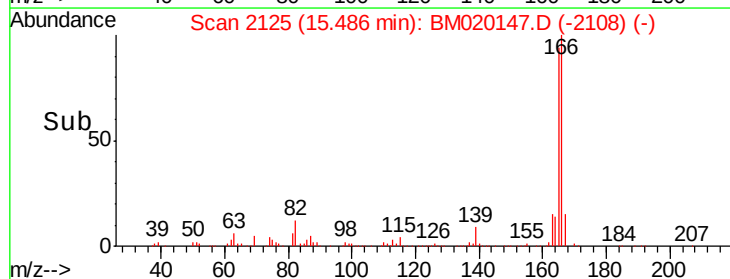
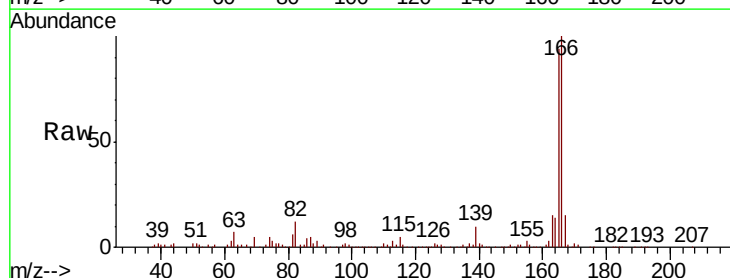
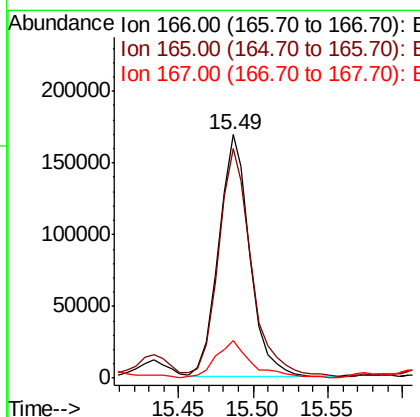
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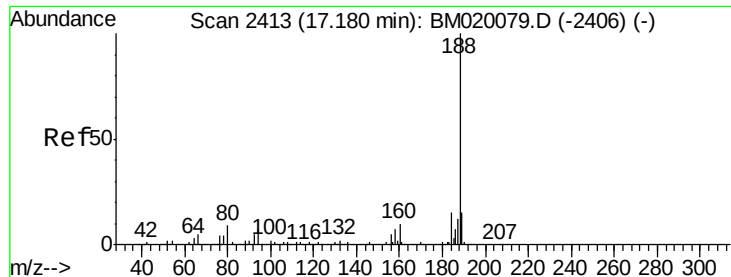
mohammad
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#58
Fluorene
Concen: 8.955 ng
RT: 15.49 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.2	117.2
167	15.3	11.0	16.4





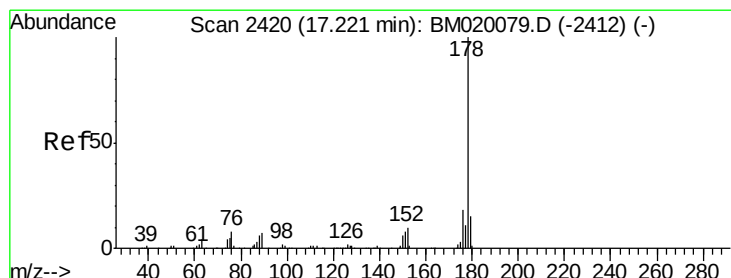
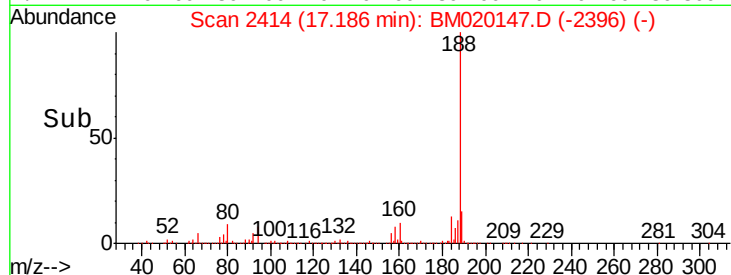
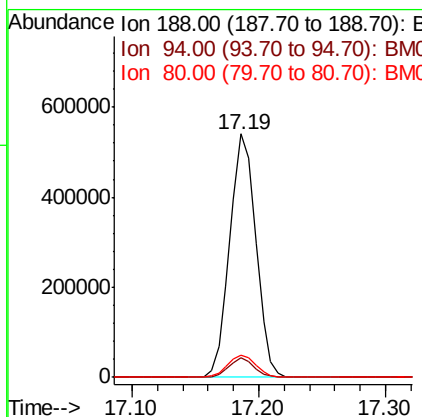
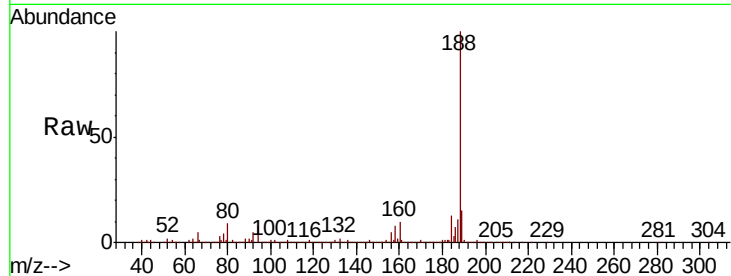
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	770640		
94	8.0		5.8	8.6
80	9.4		7.4	11.2

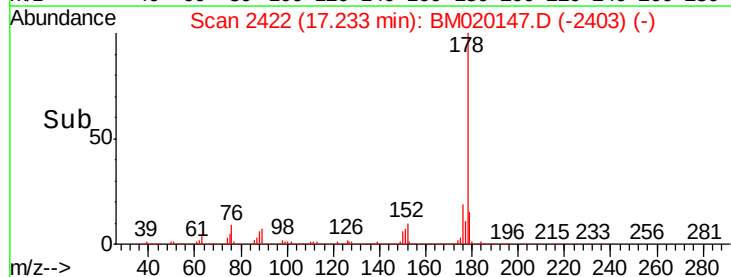
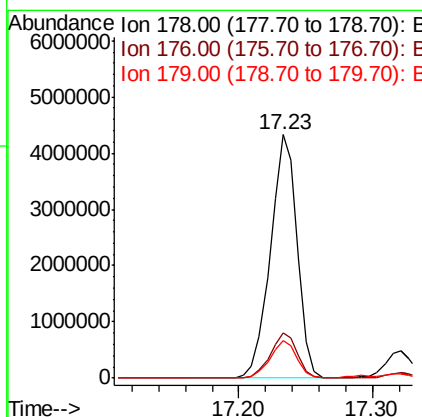
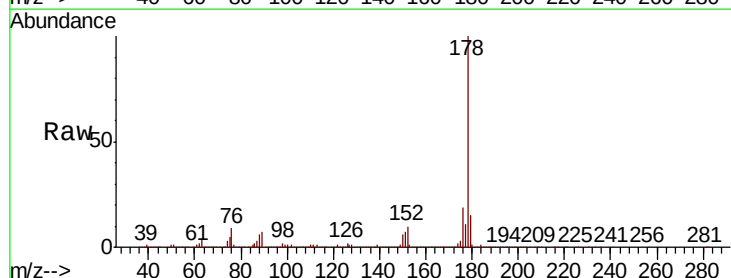
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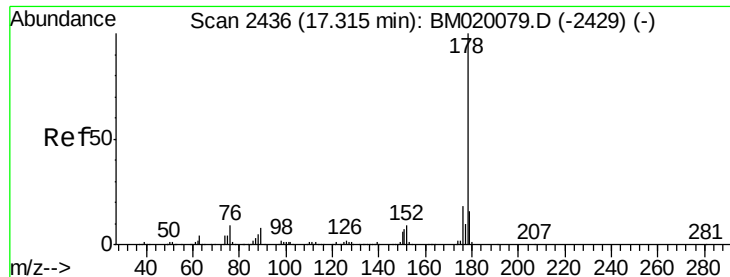
mohammad
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#71
Phenanthrene
Concen: 141.928 ng
RT: 17.23 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6037619		
176	18.5		14.6	21.8
179	15.4		12.4	18.6





#72

Anthracene

Concen: 15.792 ng

RT: 17.32 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

Instrument :

BNA_M

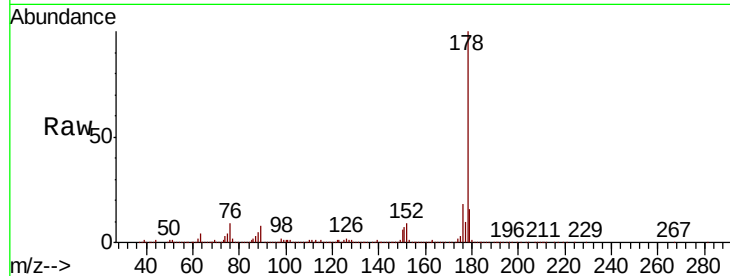
ClientSampleId :

SB-14-COMP

Tot Ion:	178	Resp:	671689
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	22.0
179	16.3	12.4	18.6

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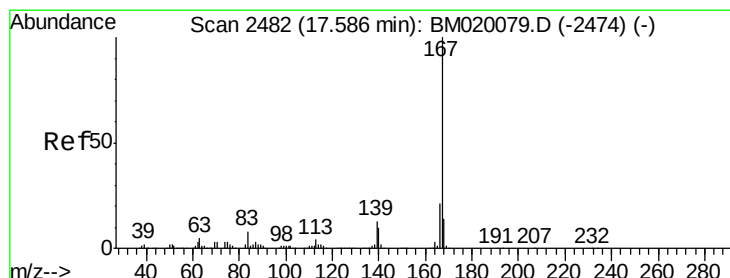
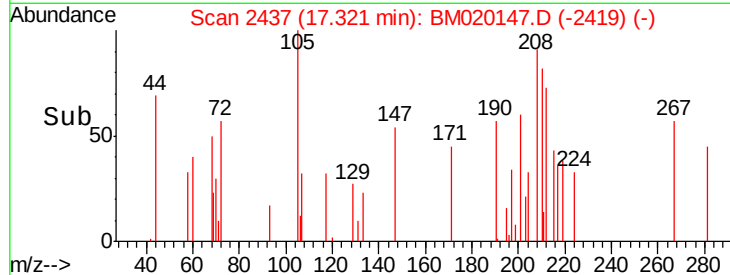
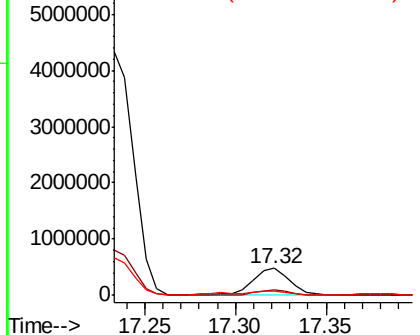


Abundance

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



#73

Carbazole

Concen: 12.330 ng

RT: 17.59 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

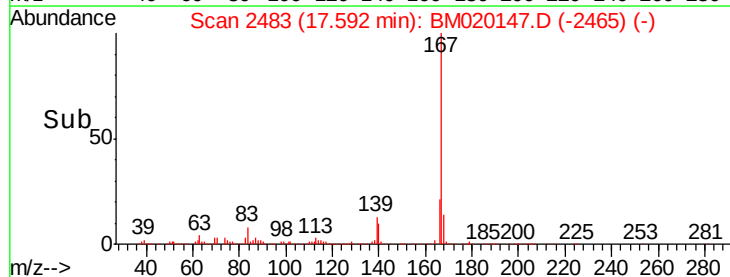
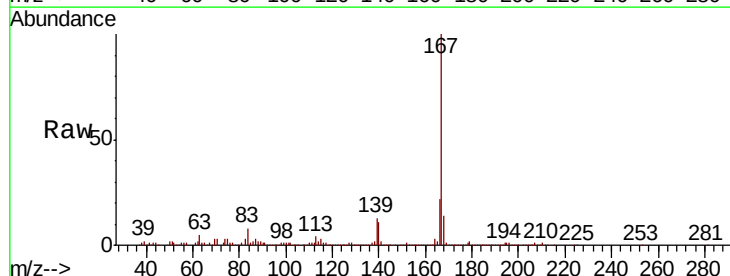
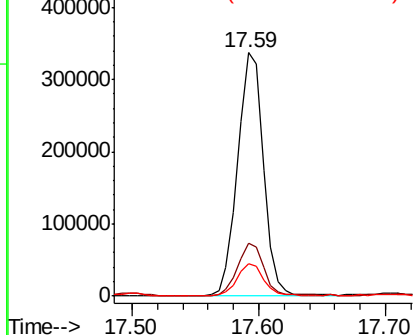
Tgt Ion:	167	Resp:	473194
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.0	25.6
139	13.4	10.6	16.0

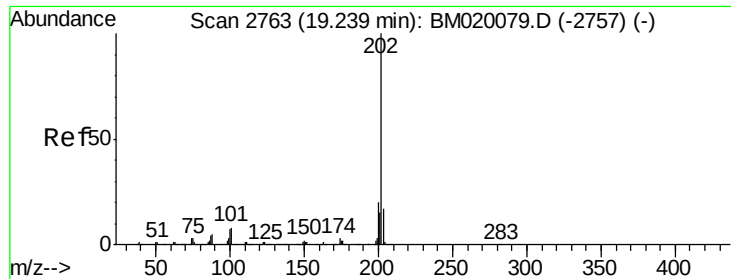
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





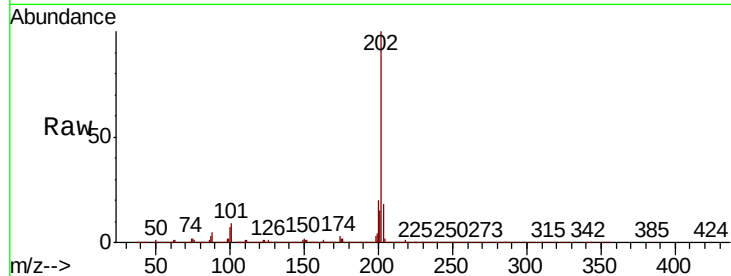
#75
Fluoranthene
Concen: 146.058 ng
RT: 19.25 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

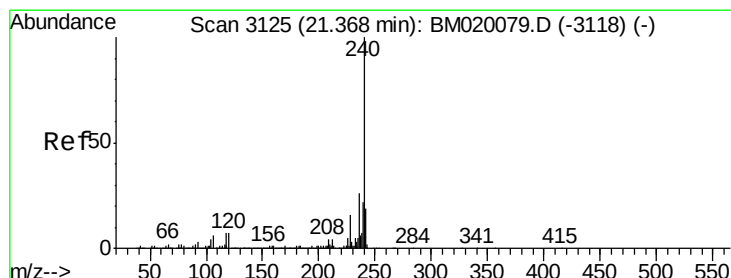
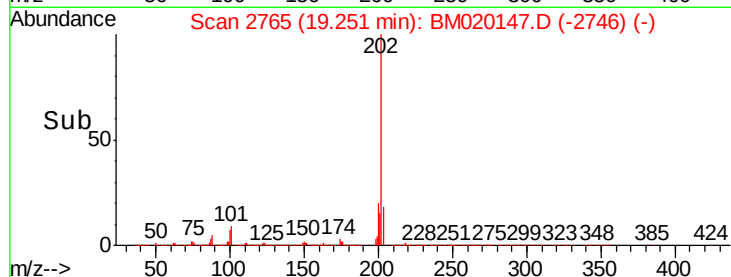
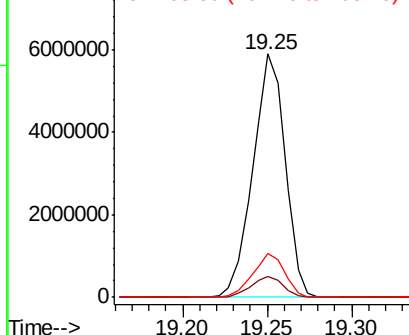
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.4
203	17.9	0.0	37.4

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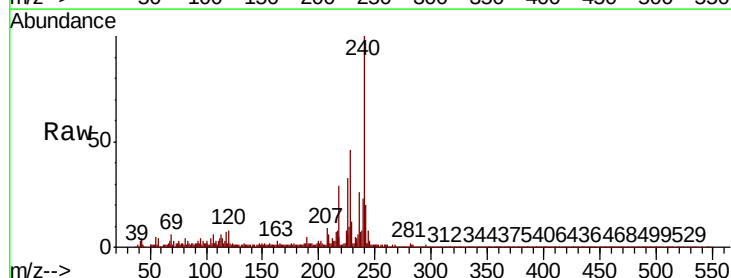


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

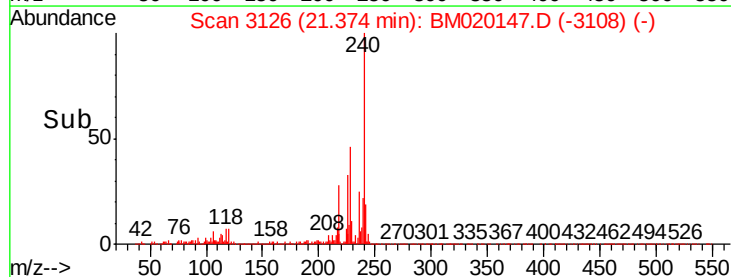
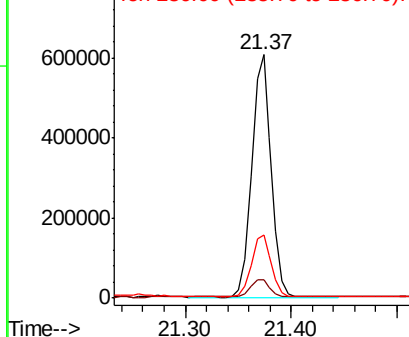


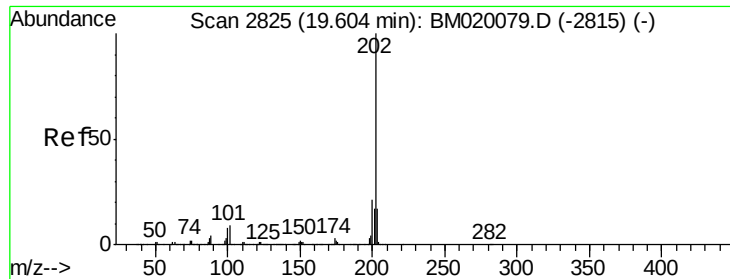
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt 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





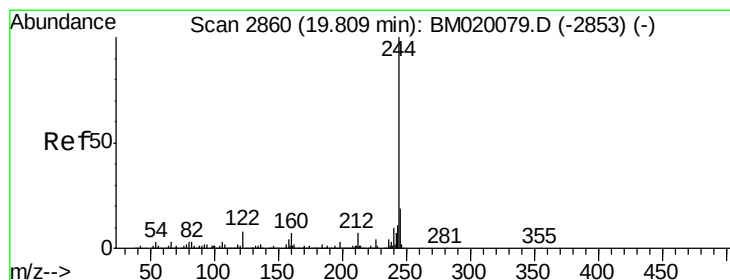
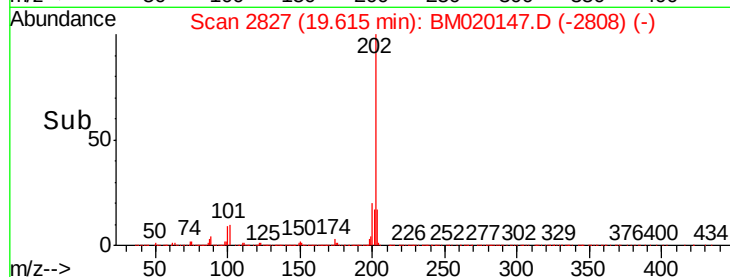
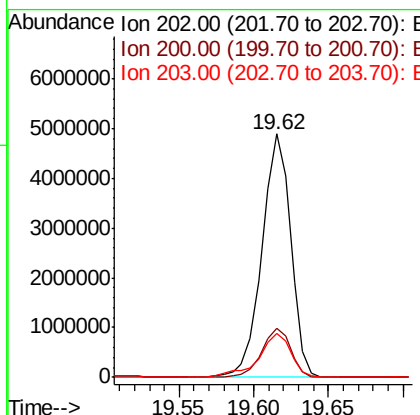
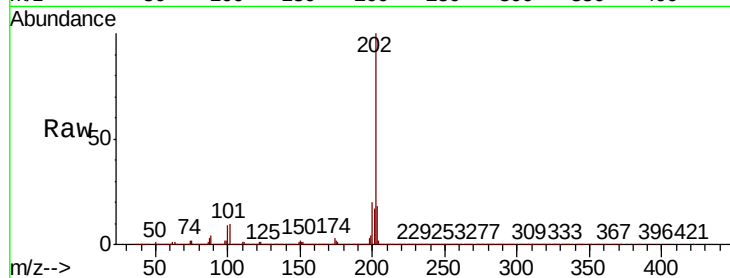
#78
Pvrene
Concen: 124.740 ng
RT: 19.62 min Scan# 2827
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	18.0	13.9	20.9

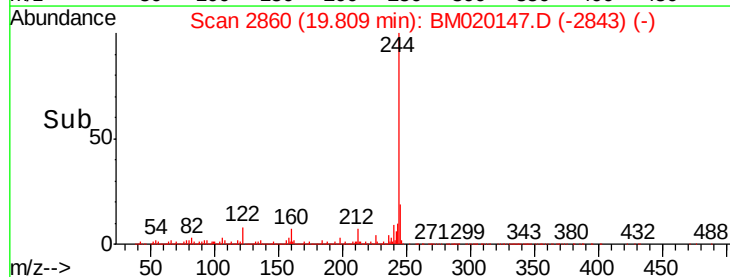
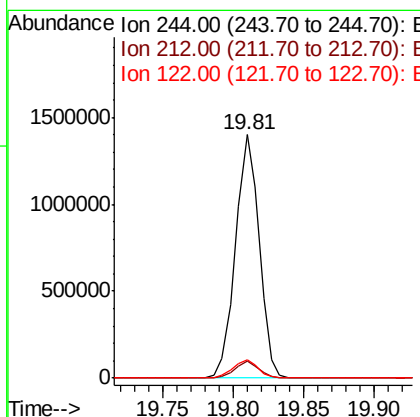
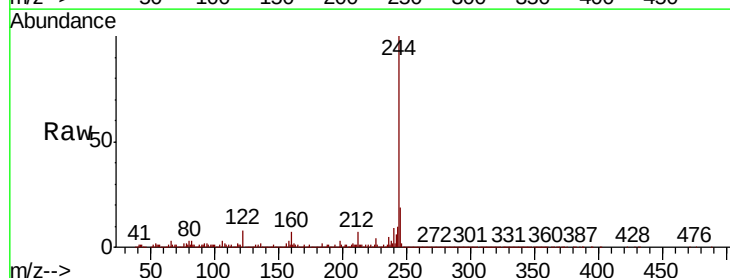
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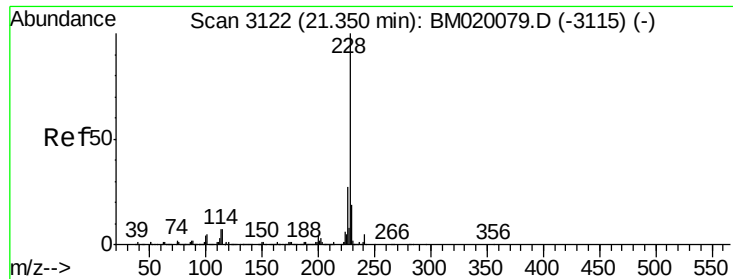
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#79
Terphenyl-d14
Concen: 36.786 ng
RT: 19.81 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	7.7	6.2	9.2





#81

Benzo(a)anthracene

Concen: 46.586 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

Instrument :

BNA_M

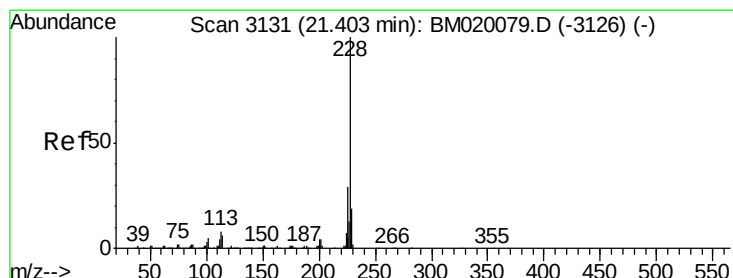
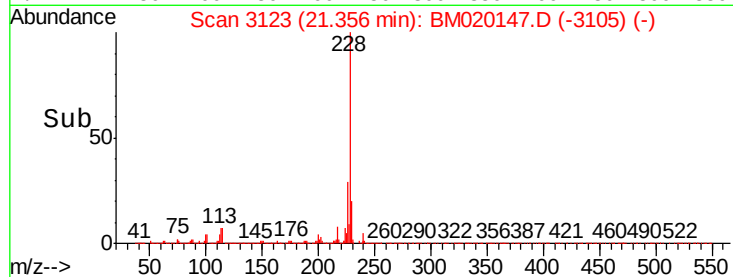
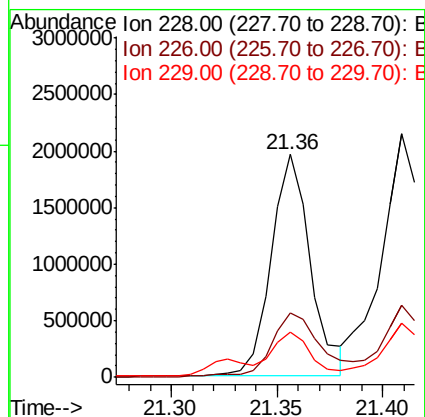
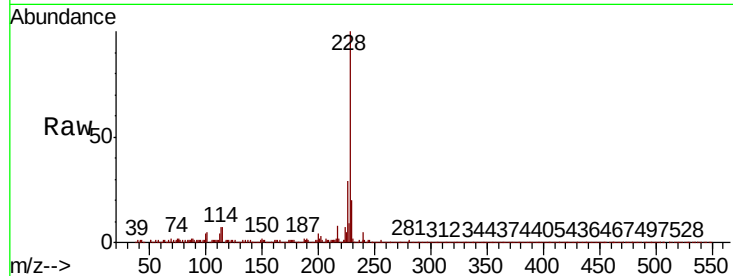
ClientSampleId :

SB-14-COMP

Tot Ion:	228	Resp:	2537318
Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.3	31.9
229	20.4	15.5	23.3

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#83

Chrysene

Concen: 54.326 ng

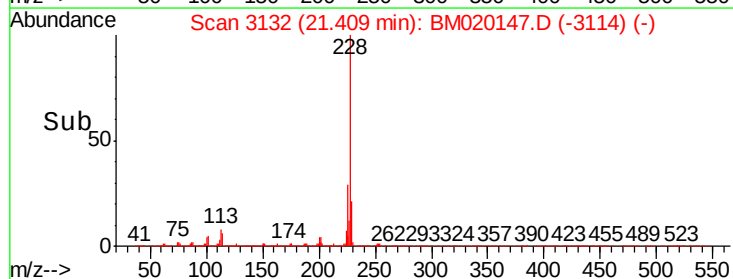
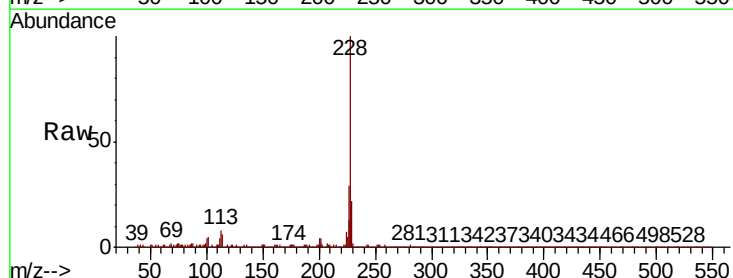
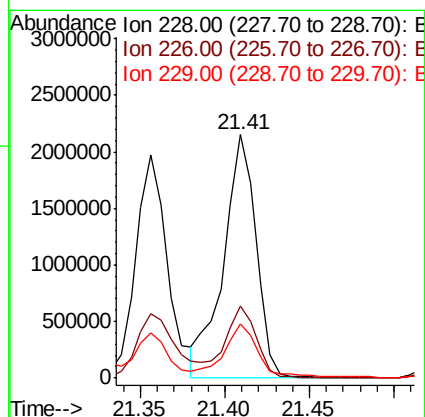
RT: 21.41 min Scan# 3132

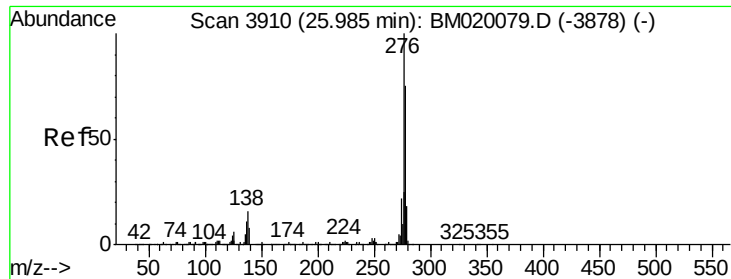
Delta R.T. 0.01 min

Lab File: BM020147.D

Acq: 06 May 2019 22:02

Tgt Ion:	228	Resp:	2869641
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	22.2	15.5	23.3





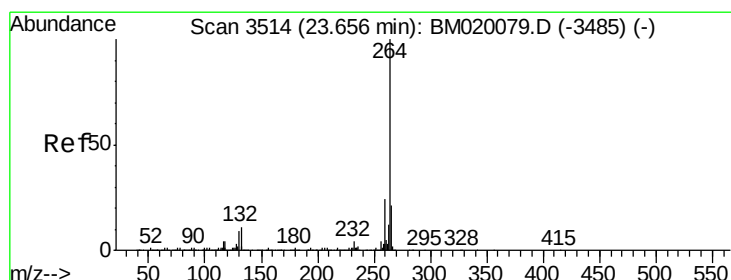
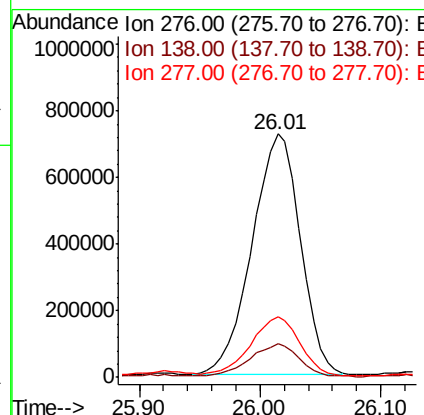
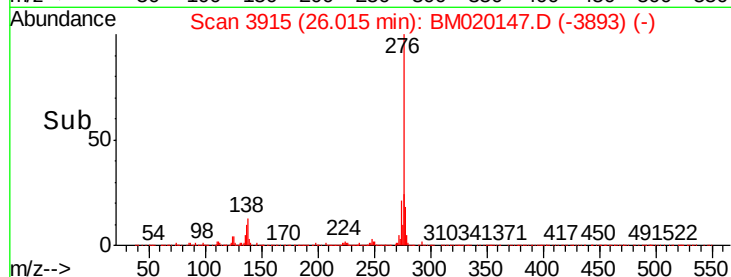
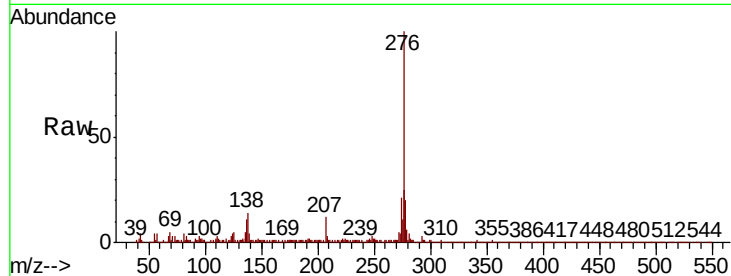
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 31.788 ng
 RT: 26.01 min Scan# 3915
 Delta R.T. 0.03 min
 Lab File: BM020147.D
 Acq: 06 May 2019 22:02

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.4	0.0	0.0#
277	24.6	0.0	0.0#

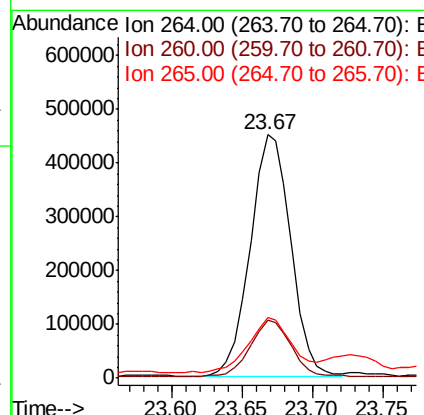
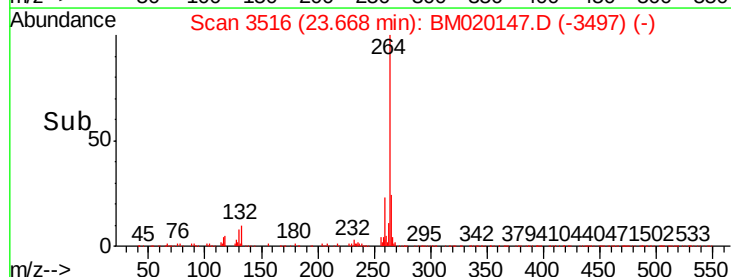
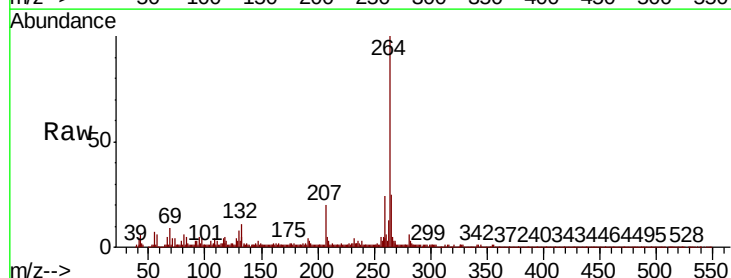
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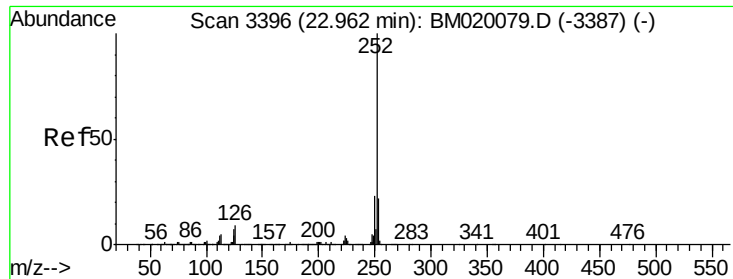
mohammad
 5/7/2019 3:11:50 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.67 min Scan# 3516
 Delta R.T. 0.01 min
 Lab File: BM020147.D
 Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	25.1	16.9	25.3





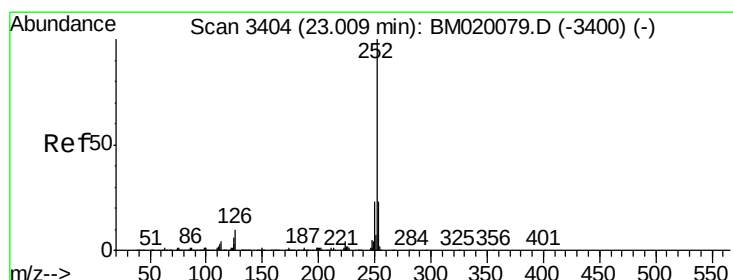
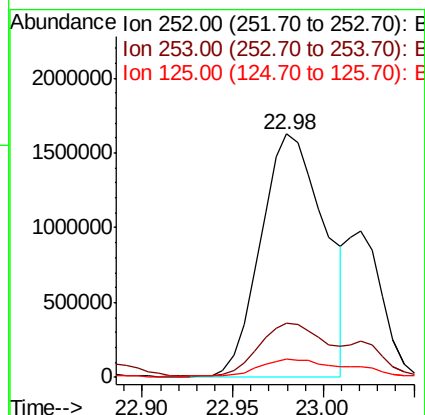
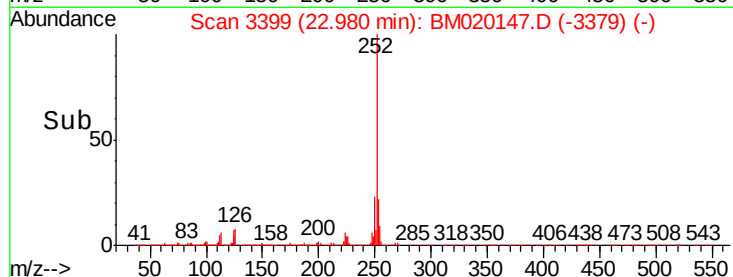
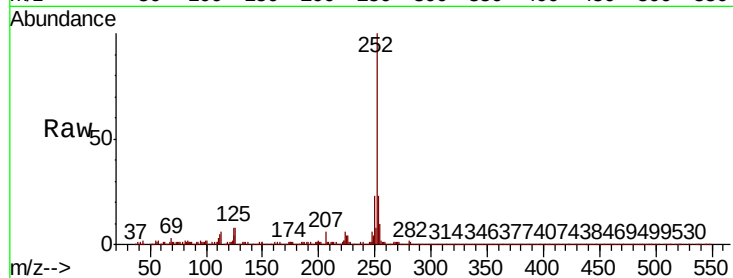
#88
Benzo(b)fluoranthene
Concen: 66.613 ng
RT: 22.98 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	7.5	5.4	8.2

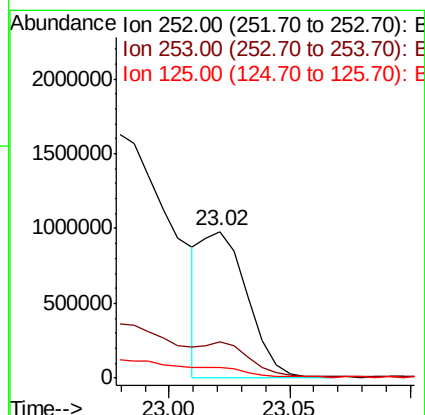
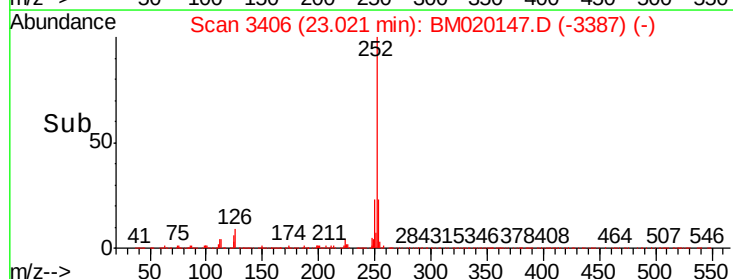
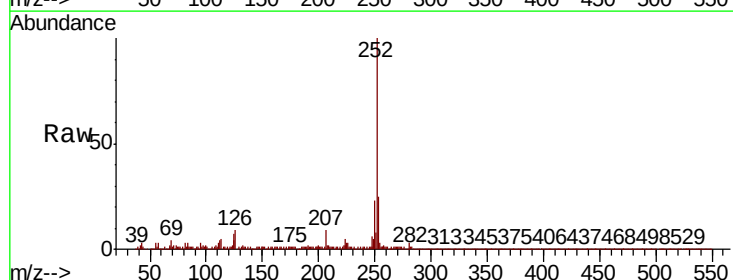
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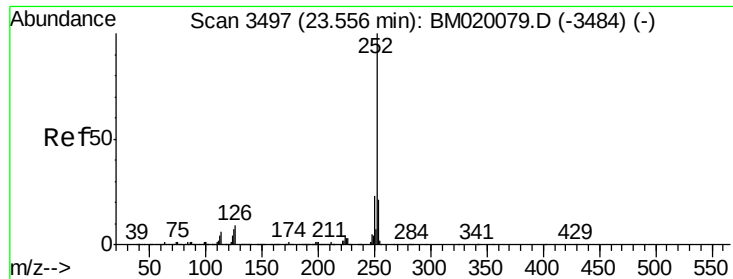
mohammad
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#89
Benzo(k)fluoranthene
Concen: 24.033 ng m
RT: 23.02 min Scan# 3406
Delta R.T. 0.01 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	7.0	5.4	8.0





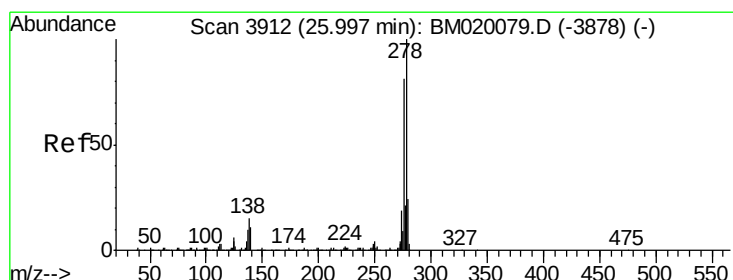
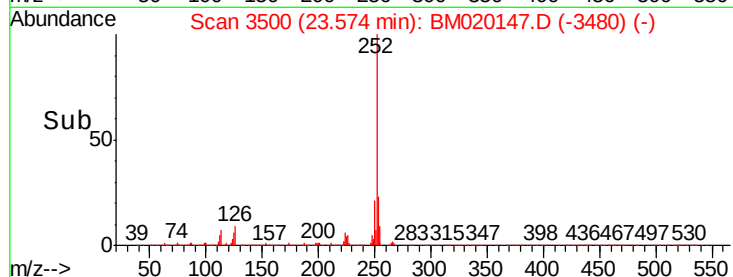
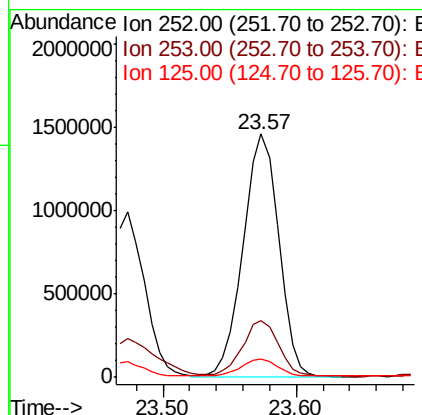
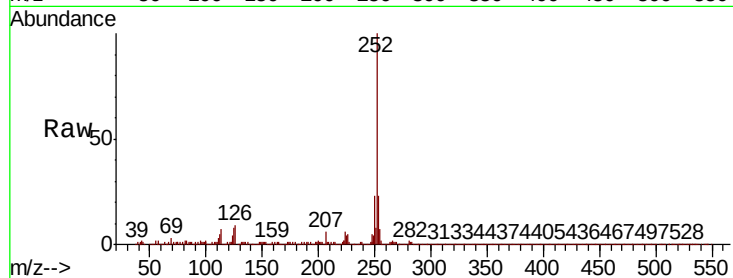
#90
Benzo(a)pyrene
Concen: 49.366 ng
RT: 23.57 min Scan# 3500
Delta R.T. 0.02 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Instrument :
BNA_M
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	7.7	5.5	8.3

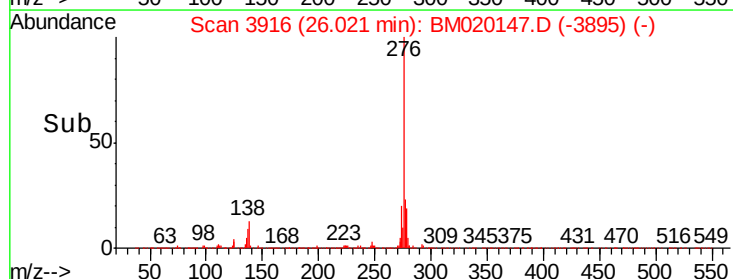
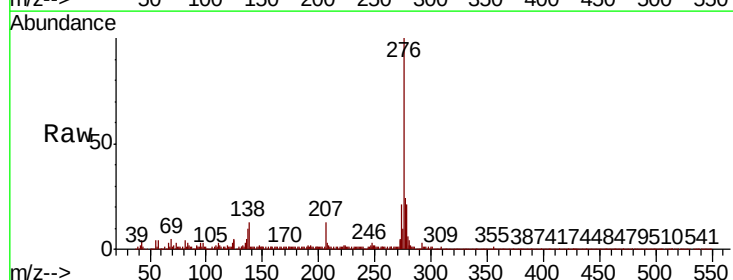
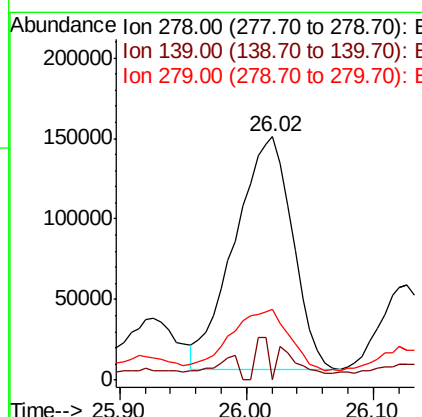
Manual Integrations
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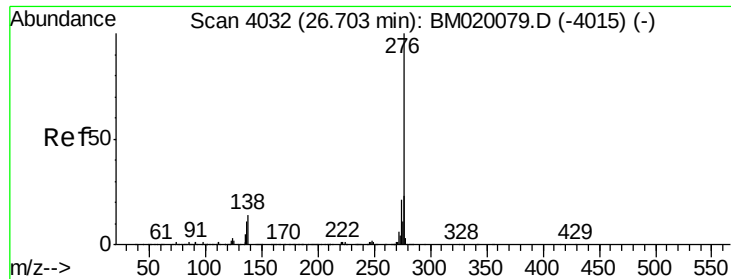
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 8.115 ng
RT: 26.02 min Scan# 3916
Delta R.T. 0.02 min
Lab File: BM020147.D
Acq: 06 May 2019 22:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.6	13.0#
279	29.1	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 34.606 ng
 RT: 26.74 min Scan# 4038
 Delta R.T. 0.04 min
 Lab File: BM020147.D
 Acq: 06 May 2019 22:02

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMP

Tot Ion:	276	Resp:	1854064
Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	14.0	11.1	16.7

Manual Integrations
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