

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
 Data File : BM020206.D
 Acq On : 08 May 2019 21:59
 Operator : JU/SJ
 Sample : K2729-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-4

Manual Integrations
 APPROVED

Sohil
 5/9/2019 6:45:39 PM

Quant Time: May 09 03:33:11 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	156311	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	548486	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	324235	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	748299	20.00	ng	0.00
76) Chrysene-d12	21.37	240	782987	20.00	ng	0.00
87) Perylene-d12	23.66	264	931261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	543881	56.88	ng	0.00
7) Phenol-d6	6.95	99	730047	55.88	ng	0.00
23) Nitrobenzene-d5	8.95	82	514176	37.01	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	272455	54.14	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	818177	31.05	ng	-0.01
79) Terphenyl-d14	19.80	244	1250514	27.86	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	13.89	163	92008	3.339	ng	99
52) Acenaphthene	14.49	154	44421	2.272	ng	95
58) Fluorene	15.48	166	59154	2.184	ng	96
71) Phenanthrene	17.22	178	856143	20.726	ng	99
72) Anthracene	17.31	178	217114	5.257	ng	99
75) Fluoranthene	19.24	202	1201762	22.994	ng	100
78) Pyrene	19.60	202	1130784	21.510	ng	99
81) Benzo(a)anthracene	21.35	228	598865	10.906	ng	97
83) Chrysene	21.40	228	526036	9.878	ng	97
86) Indeno(1,2,3-cd)pyrene	25.99	276	359310	5.672	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	723471m	11.765	ng	
89) Benzo(k)fluoranthene	23.01	252	226716m	4.042	ng	
90) Benzo(a)pyrene	23.56	252	557333	9.978	ng	# 94
92) Benzo(a,h,i)perylene	26.72	276	364160	6.603	ng	94

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

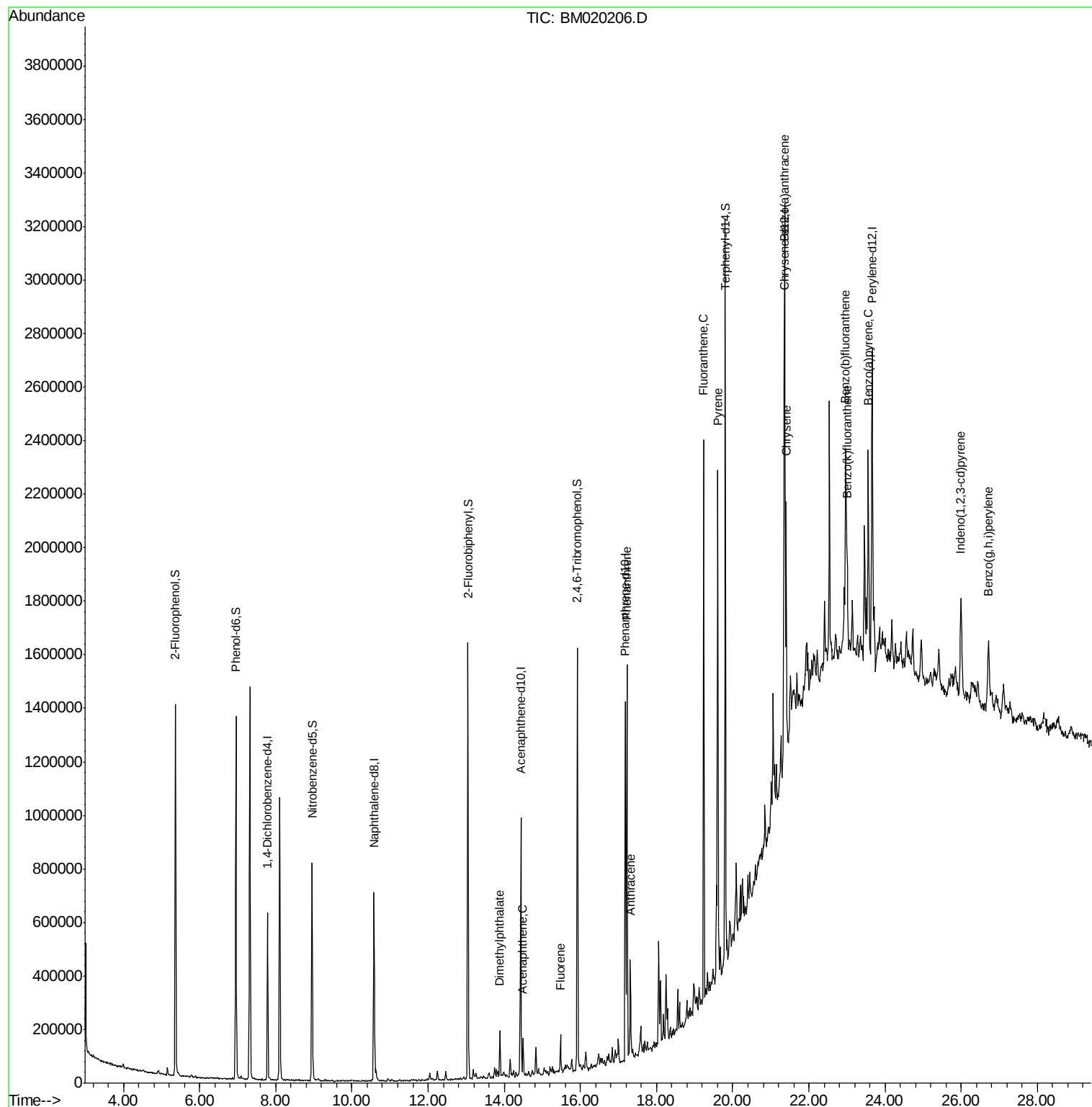
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
Data File : BM020206.D
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ALS Vial : 16 Sample Multiplier: 1

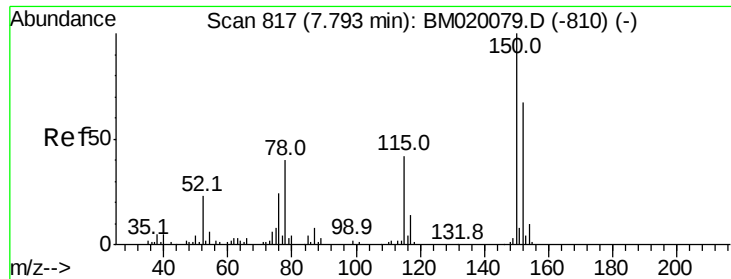
Instrument :
BNA_M
ClientSampled :
B-4

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

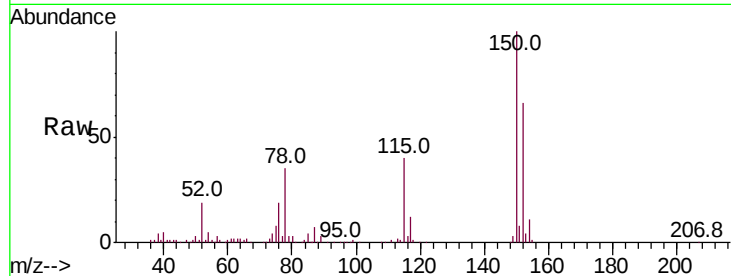
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	119.8	179.8
115	60.9	50.8	76.2

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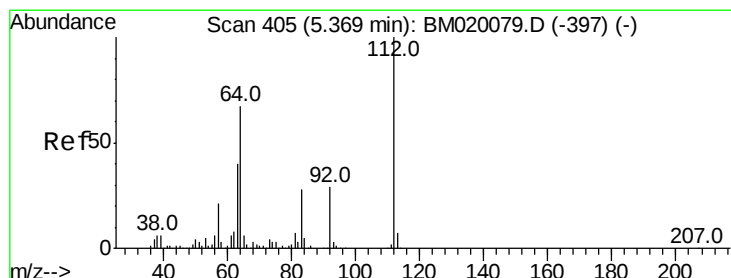
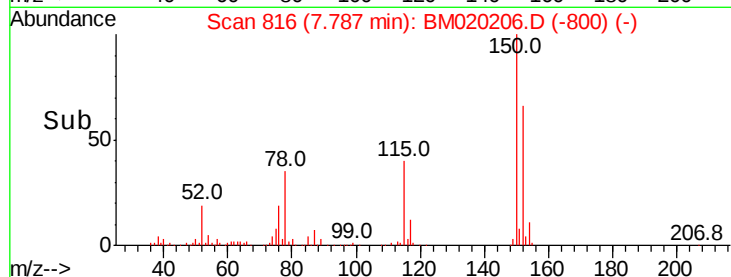
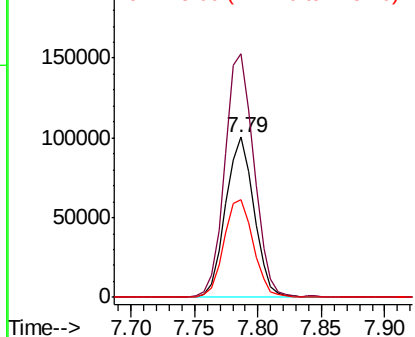


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

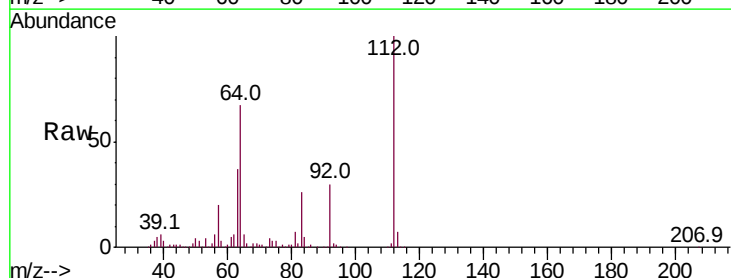
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.875 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.8	80.6
63	37.3	32.3	48.5

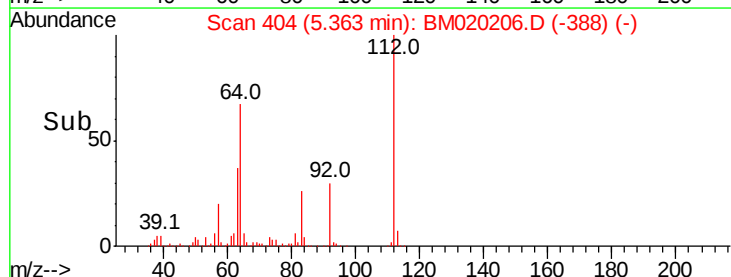
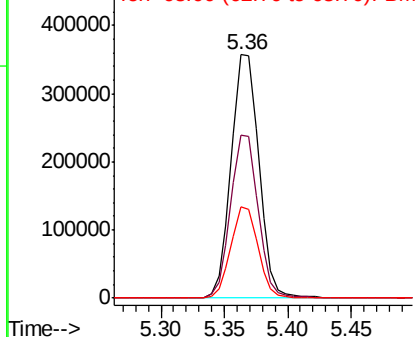


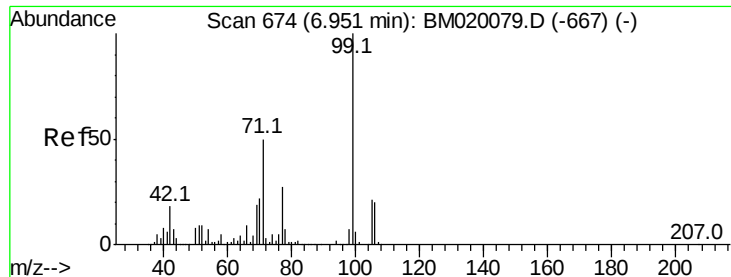
Abundance

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: 55.882 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

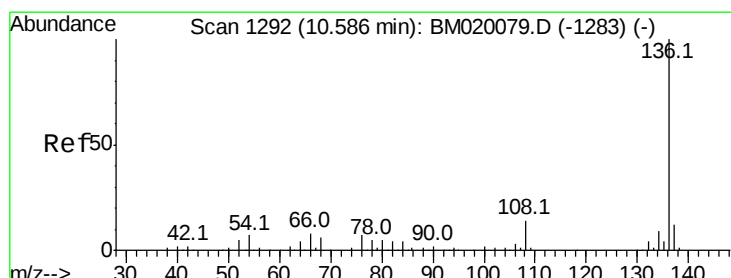
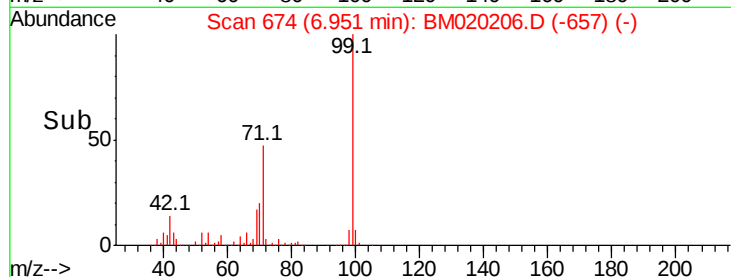
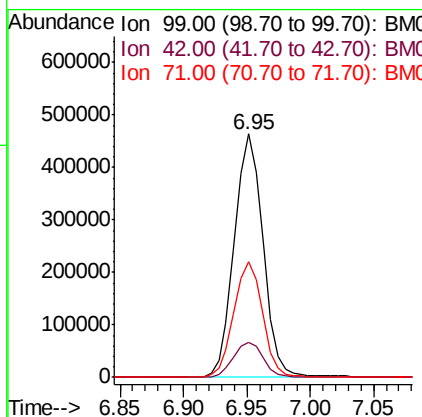
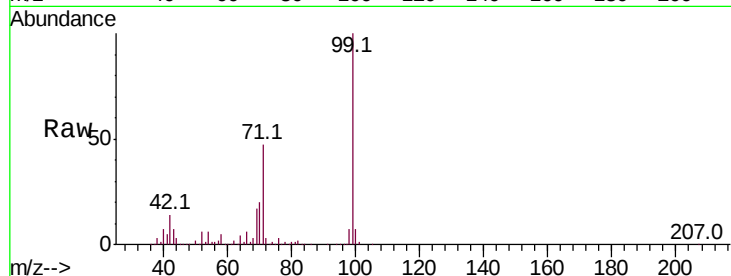
ClientSampled :

B-4

Tot Ion:	99	Resp:	730047
Ion Ratio	Lower	Upper	
99	100		
42	14.3	14.2	21.2
71	47.3	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

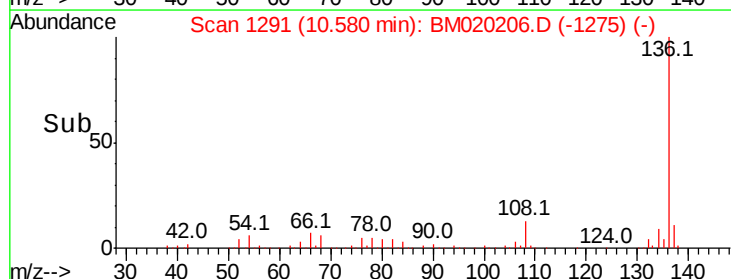
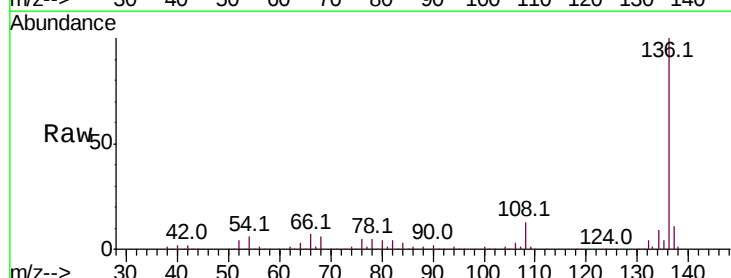
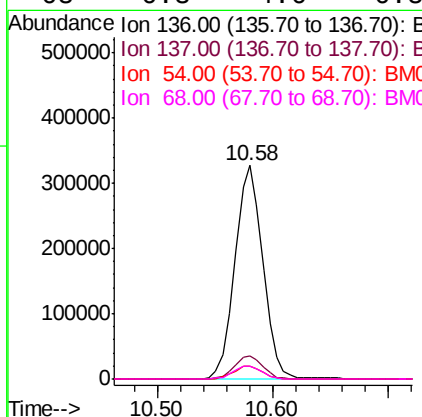
RT: 10.58 min Scan# 1291

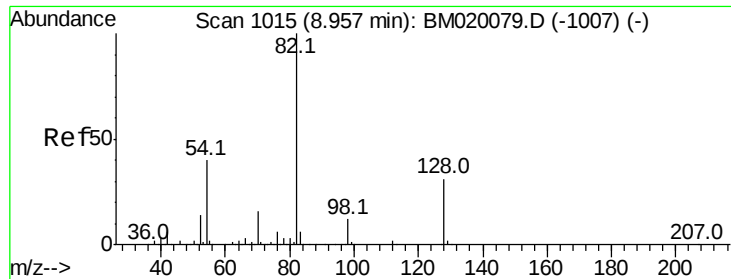
Delta R.T. -0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion:	136	Resp:	548486
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.6	14.4
54	6.1	5.5	8.3
68	6.3	4.6	6.8





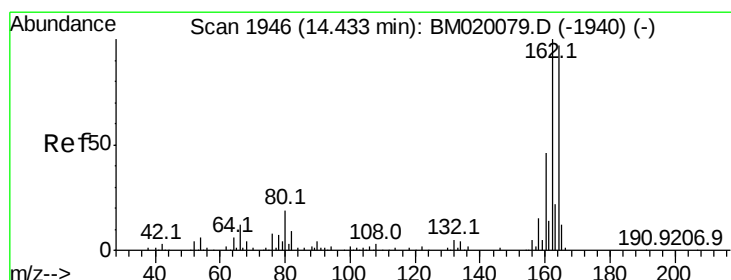
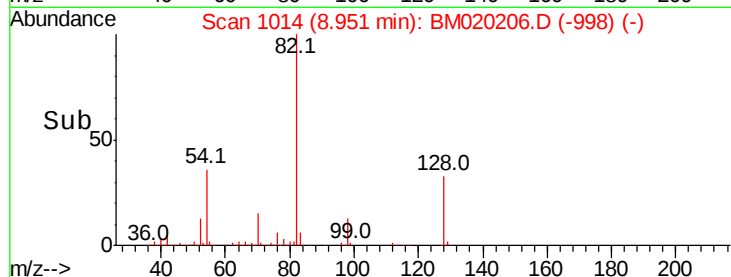
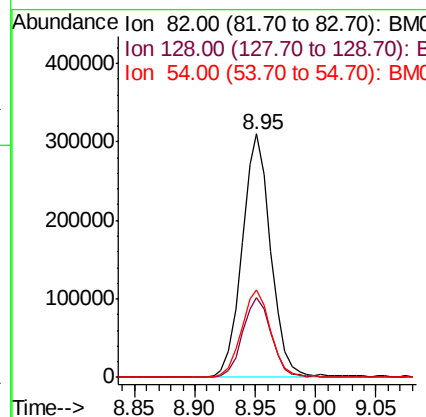
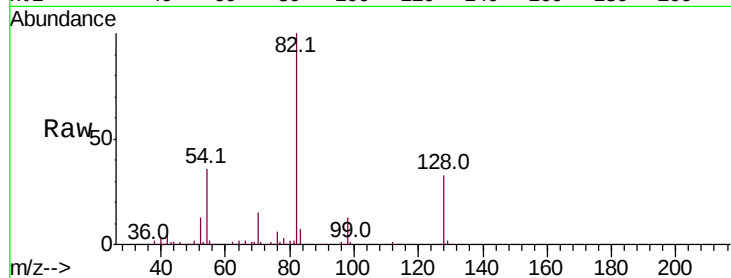
#23
Nitrobenzene-d5
Concen: 37.010 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.0	25.2	37.8	
54	36.1	31.9	47.9	

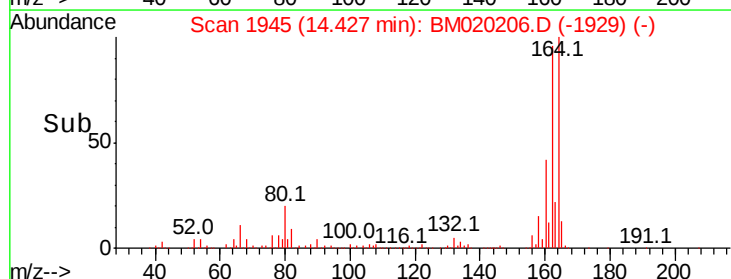
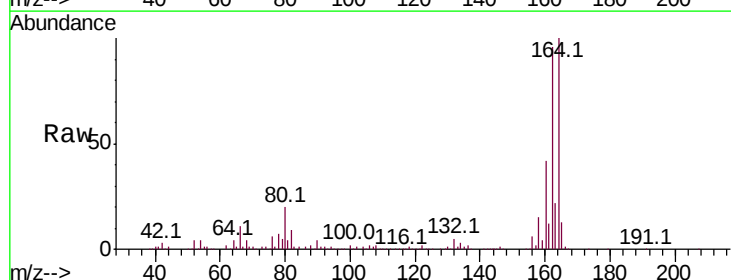
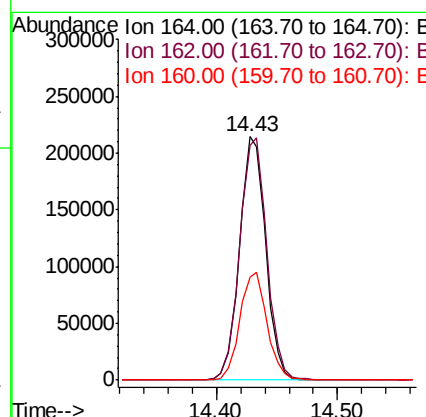
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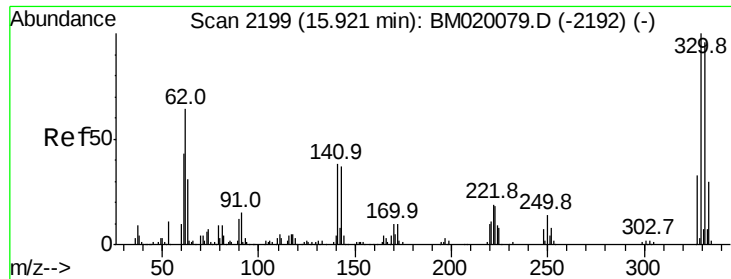
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	96.3	82.2	123.2	
160	42.4	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 54.137 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

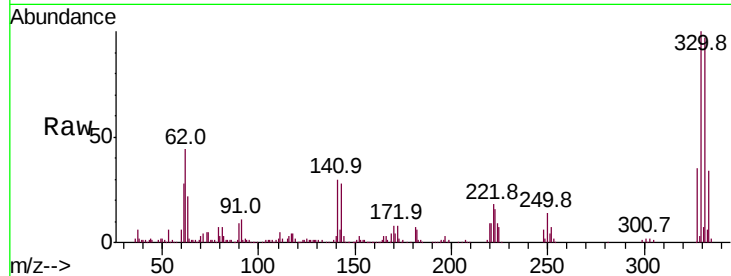
ClientSampled :

B-4

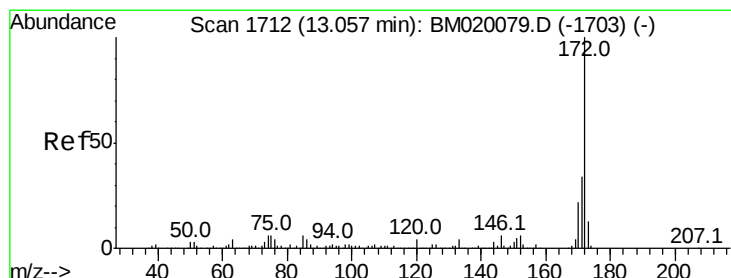
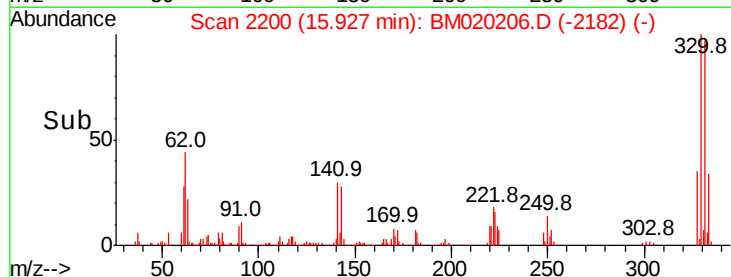
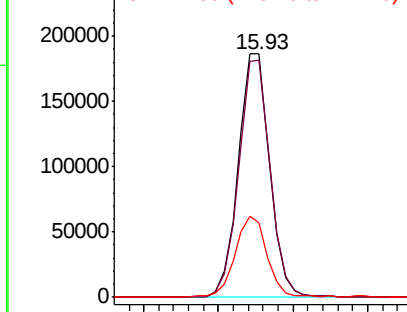
Tot Ion:	330	Resp:	272455
Ion Ratio	Lower	Upper	
330	100		
332	97.3	76.8	115.2
141	33.0	29.2	43.8

Manual Integrations
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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: 31.047 ng

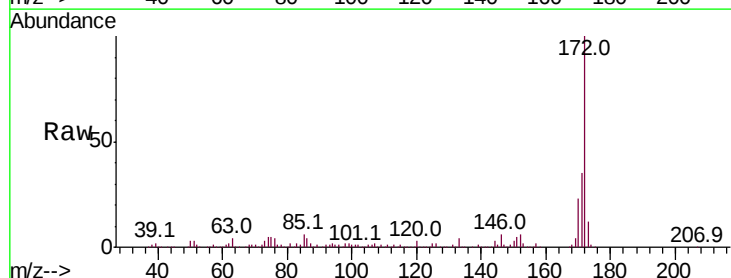
RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

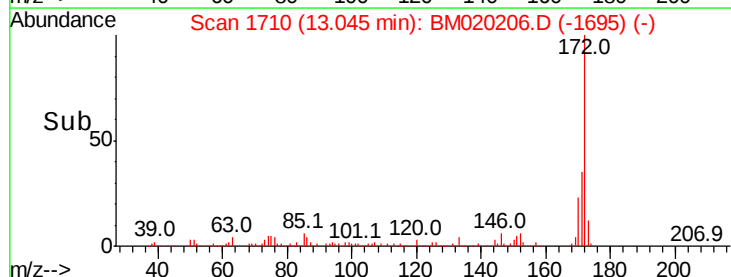
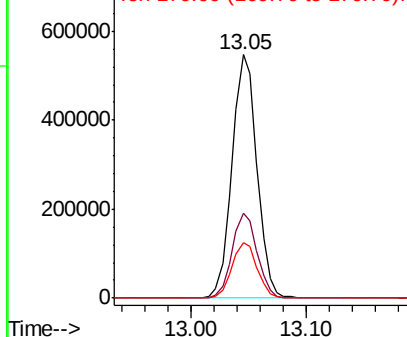
Lab File: BM020206.D

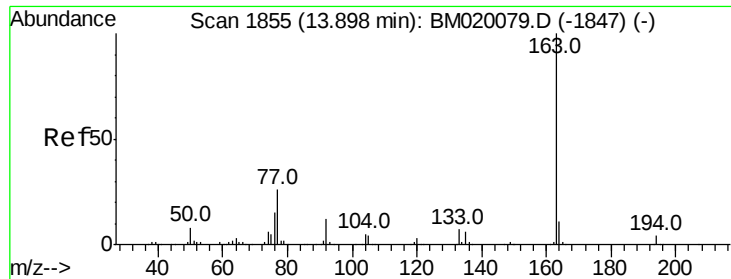
Acq: 08 May 2019 21:59

Tgt Ion:	172	Resp:	818177
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.3	40.9
170	22.6	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





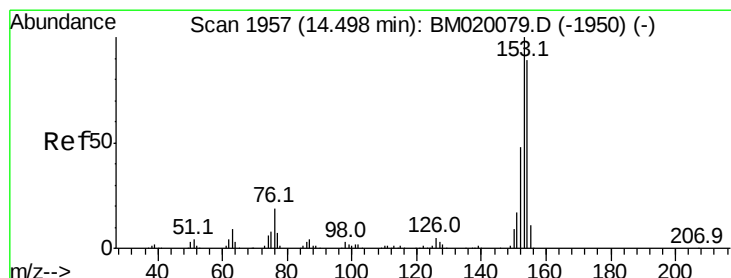
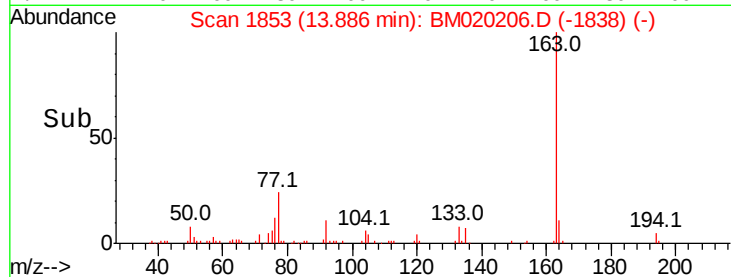
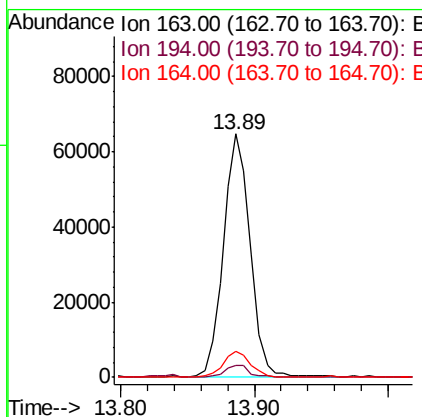
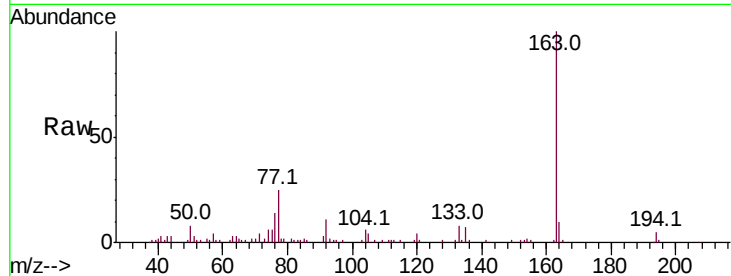
#50
Dimethylphthalate
Concen: 3.339 ng
RT: 13.89 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tot Ion	163	Resp	92008
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.6	5.4
164	10.5	8.4	12.6

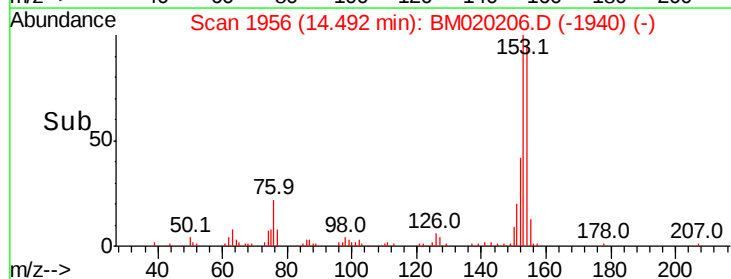
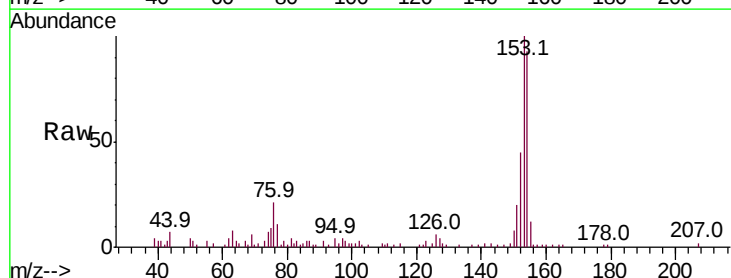
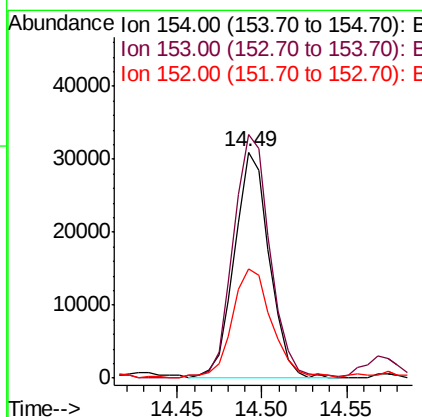
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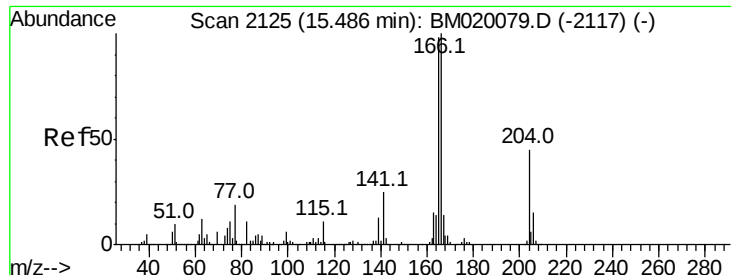
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#52
Acenaphthene
Concen: 2.272 ng
RT: 14.49 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	154	Resp	44421
Ion Ratio	Lower	Upper	
154	100		
153	107.7	90.2	135.2
152	48.6	43.0	64.4





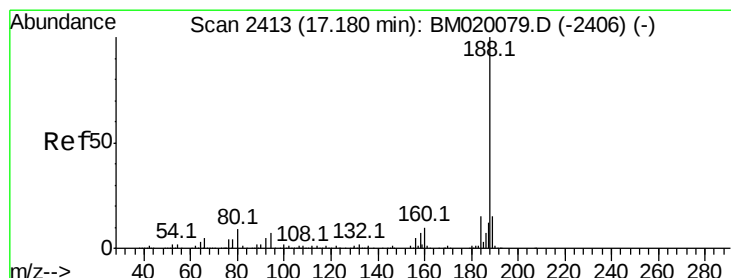
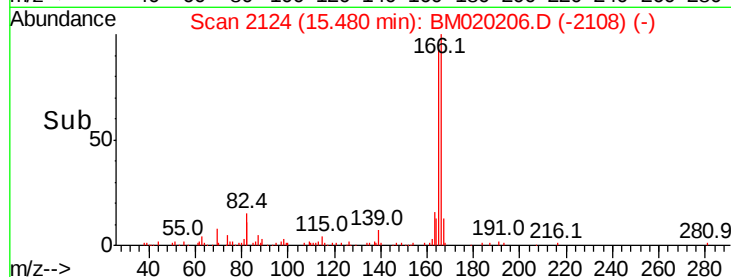
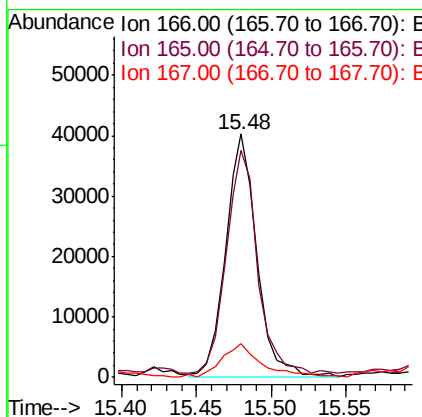
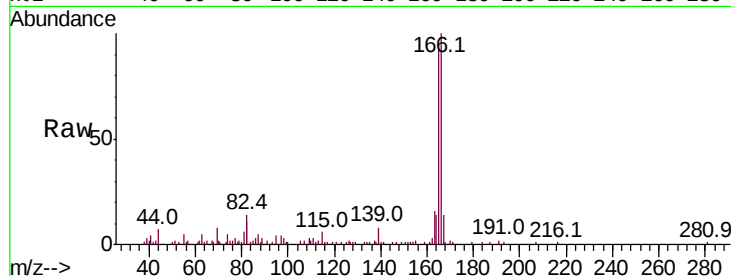
#58
 Fluorene
 Concen: 2.184 ng
 RT: 15.48 min Scan# 2124
 Delta R.T. -0.01 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

Instrument :
 BNA_M
 ClientSampled :
 B-4

Tot Ion	Ratio	Lower	Upper
166	100		
165	93.1	78.2	117.2
167	13.8	11.0	16.4

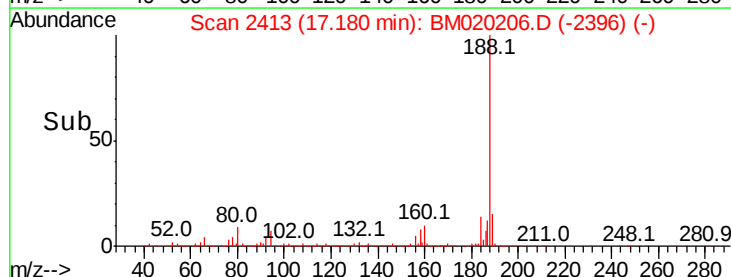
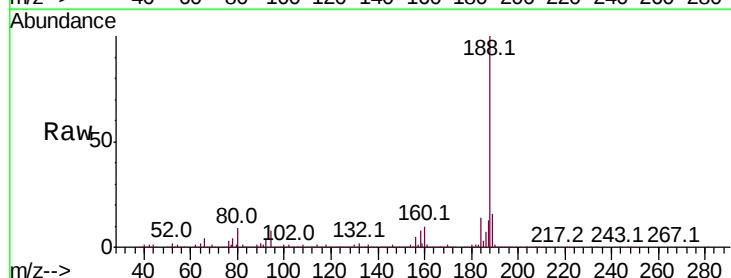
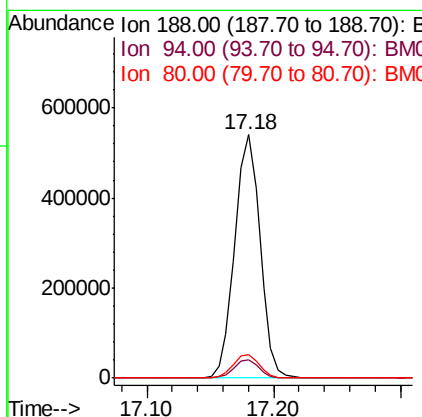
Manual Integrations
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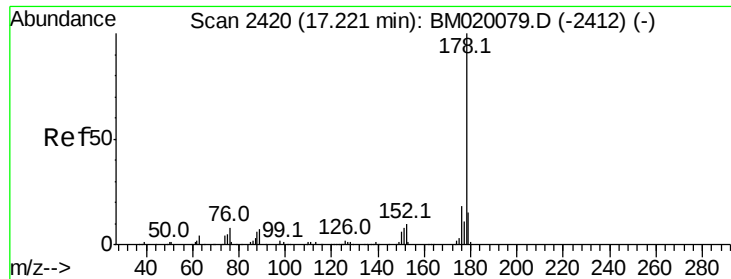
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.18 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM020206.D
 Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	9.4	7.4	11.2





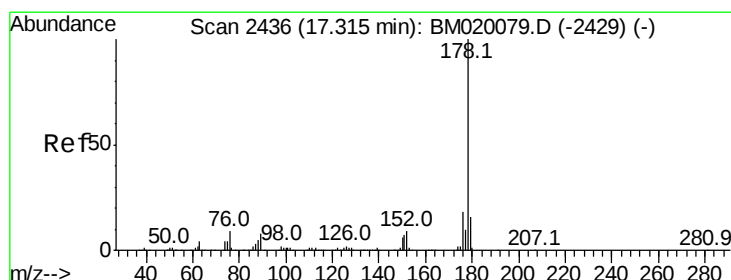
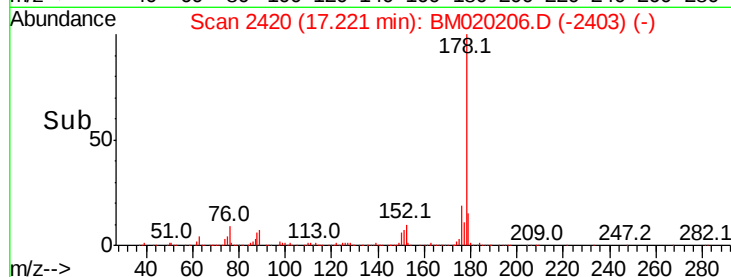
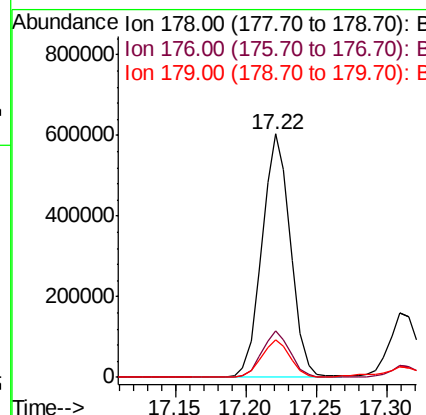
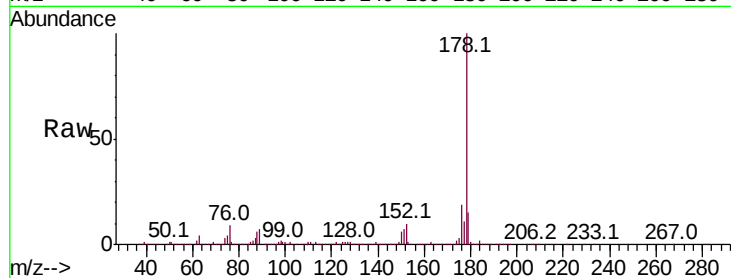
#71
Phenanthrene
Concen: 20.726 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampleId :
B-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	15.4	12.4	18.6

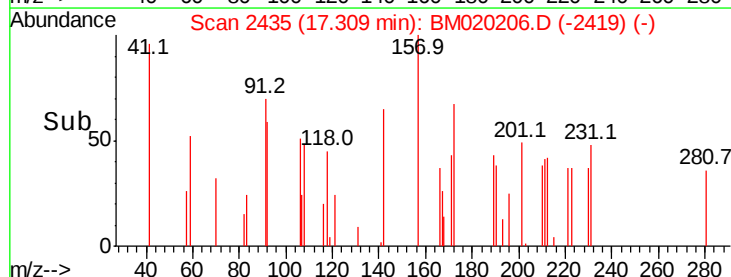
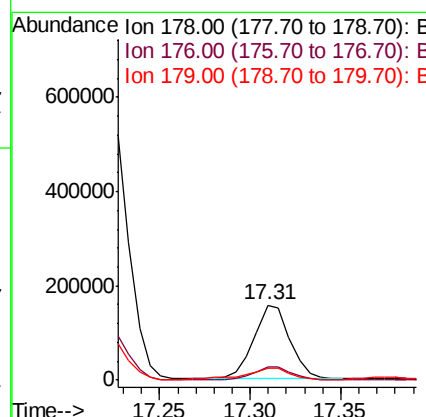
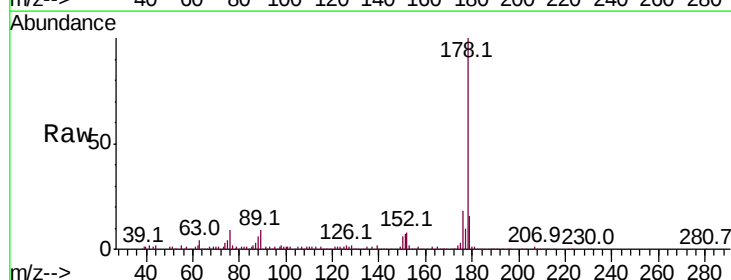
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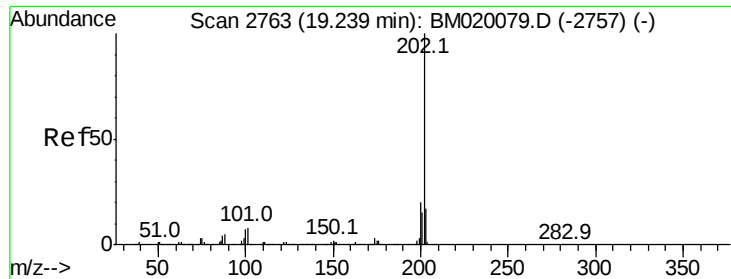
Sohil
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#72
Anthracene
Concen: 5.257 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	15.9	12.4	18.6





#75

Fluoranthene

Concen: 22.994 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

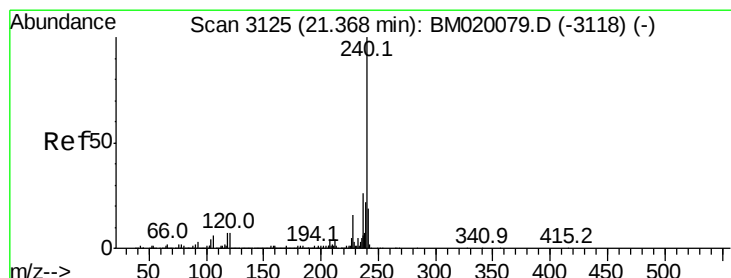
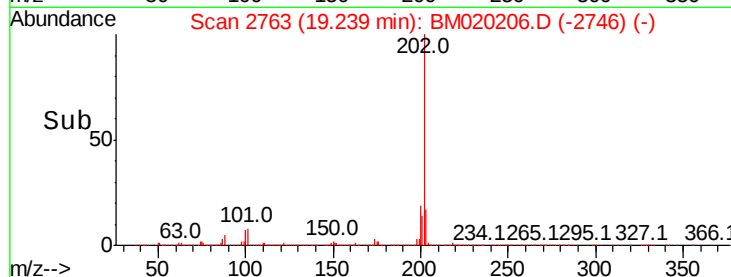
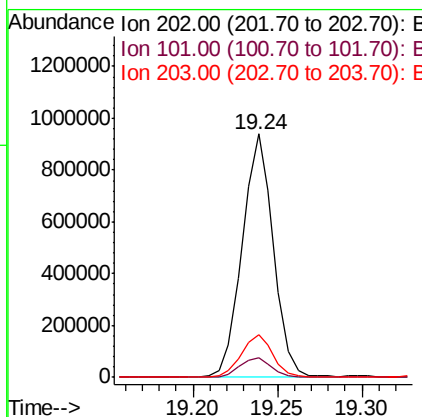
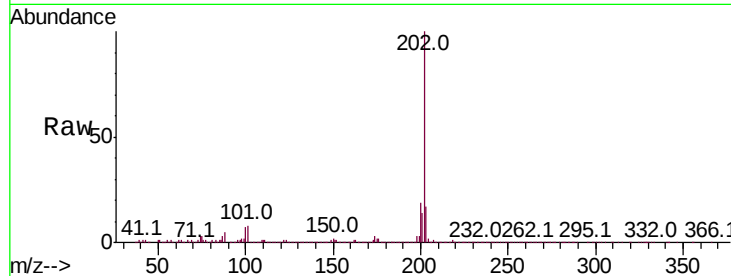
ClientSampleId :

B-4

Tot Ion:	202	Resp:	1201762
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	28.4
203	17.4	0.0	37.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

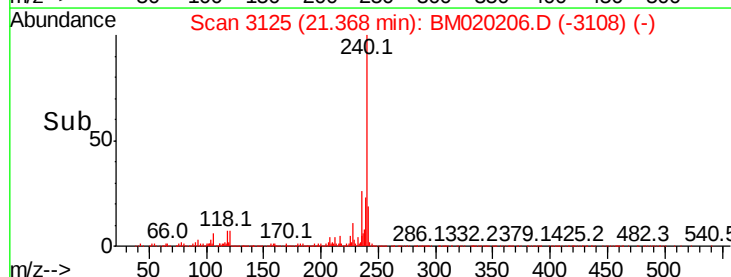
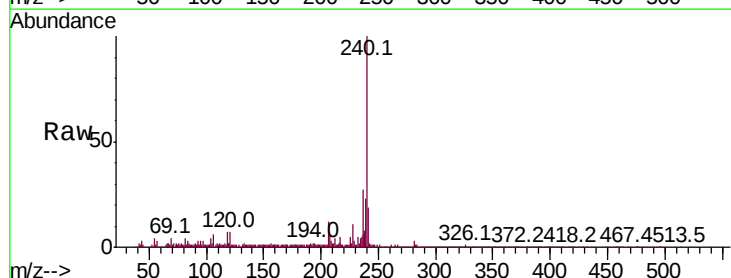
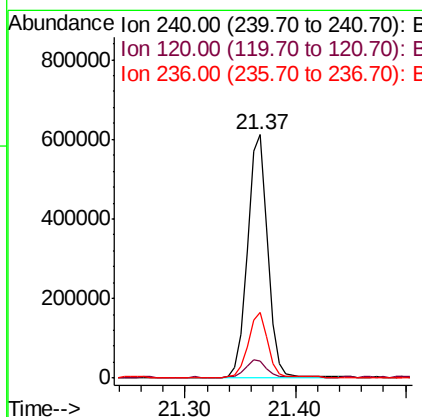
RT: 21.37 min Scan# 3125

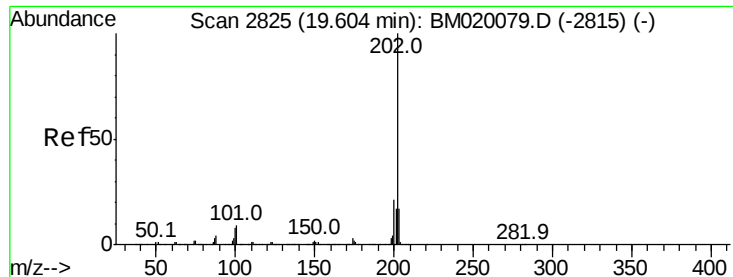
Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion:	240	Resp:	782987
Ion Ratio	Lower	Upper	
240	100		
120	7.2	5.6	8.4
236	26.8	20.9	31.3





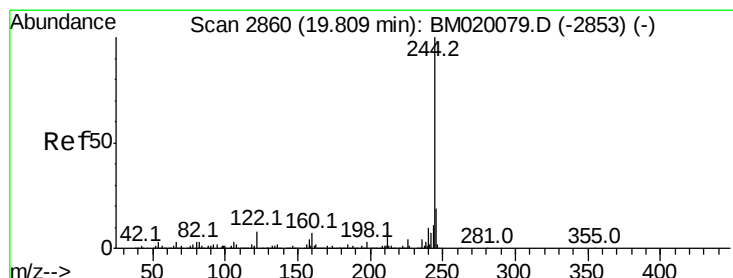
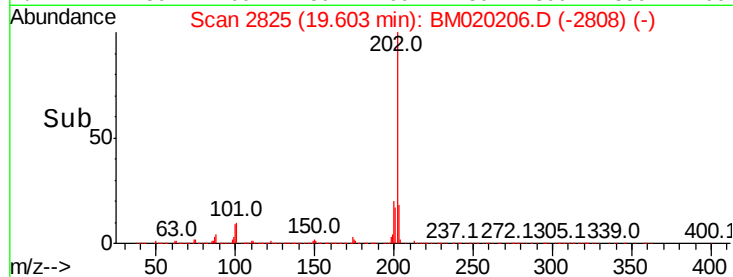
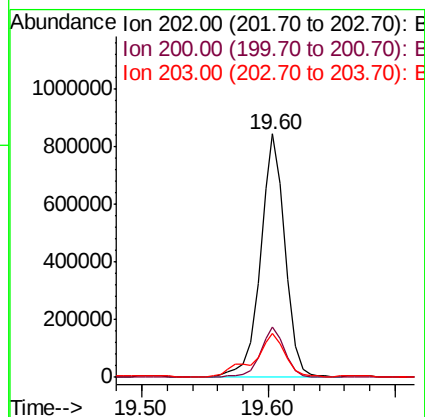
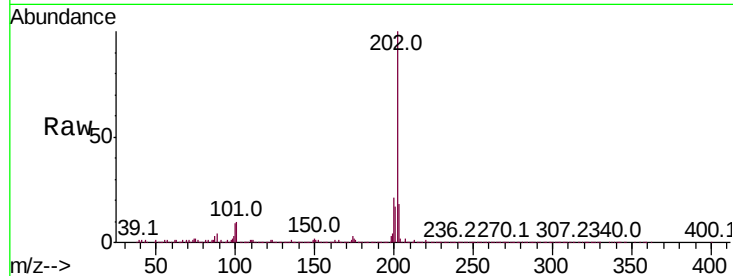
#78
Pvrene
Concen: 21.510 ng
RT: 19.60 min Scan# 2825
Delta R.T. -0.00 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	18.1	13.9	20.9

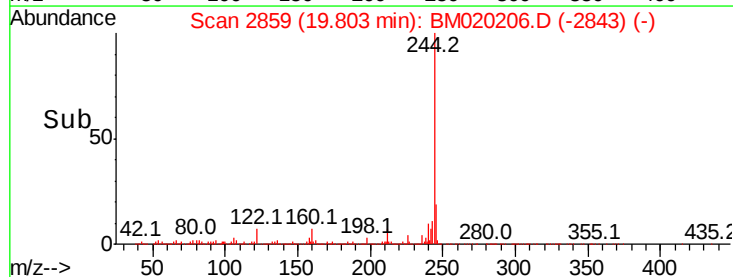
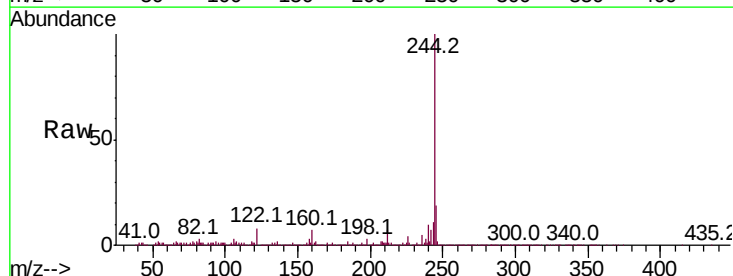
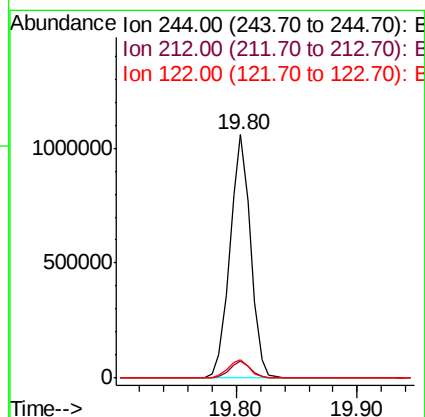
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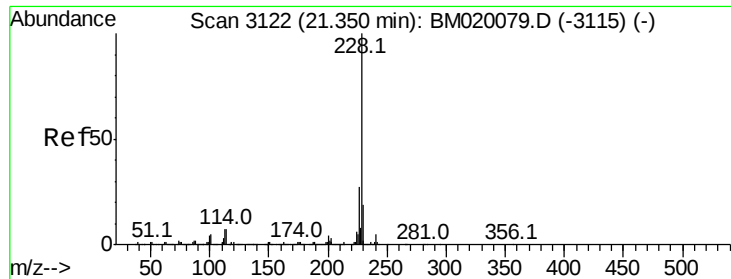
Sohil
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#79
Terphenyl-d14
Concen: 27.857 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt 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: 10.906 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Instrument :

BNA_M

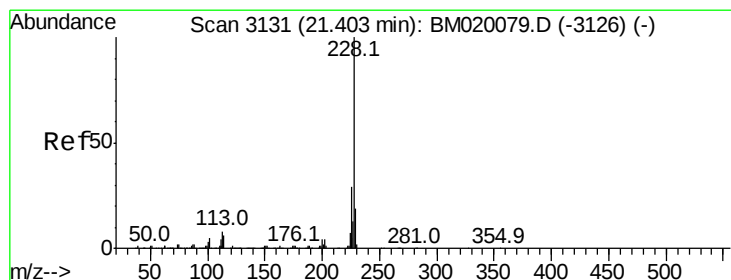
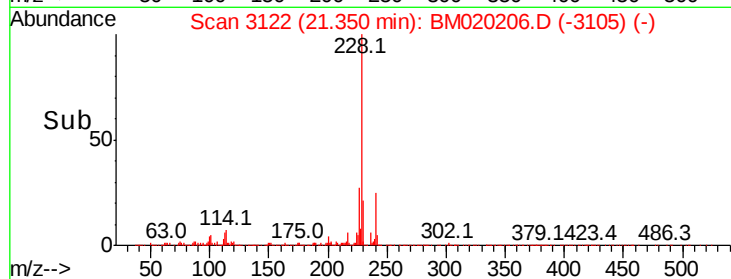
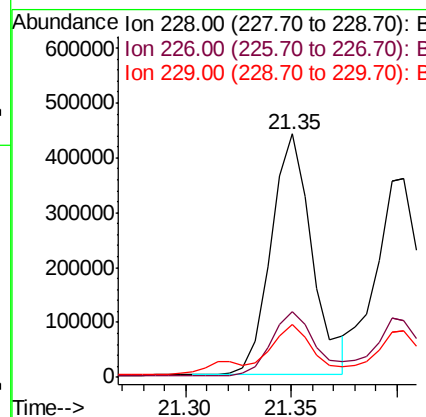
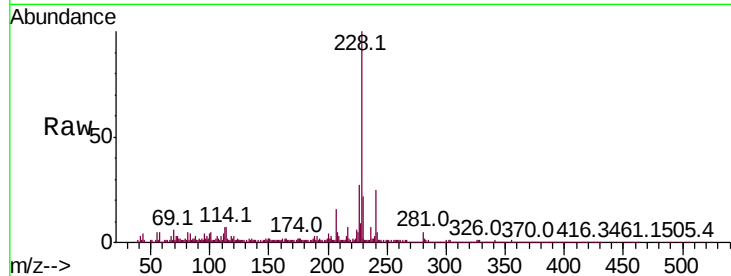
ClientSampled :

B-4

Tot Ion:	228	Resp:	598865
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.3	31.9
229	21.6	15.5	23.3

Manual Integrations
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#83

Chrysene

Concen: 9.878 ng

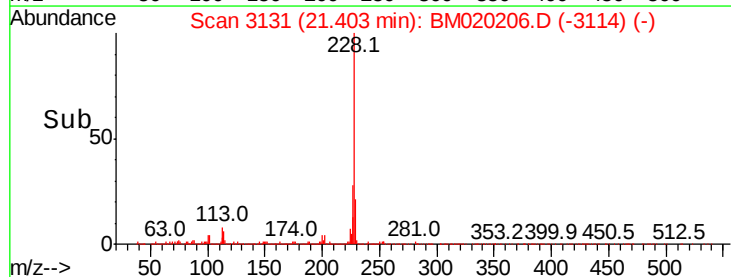
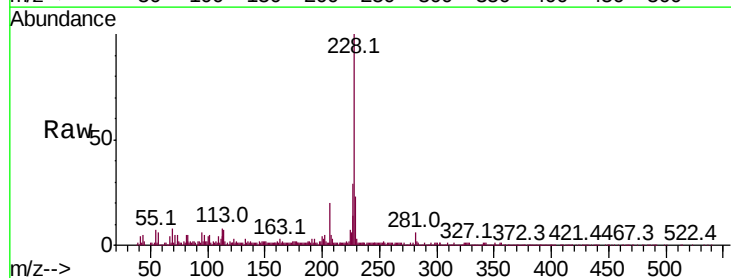
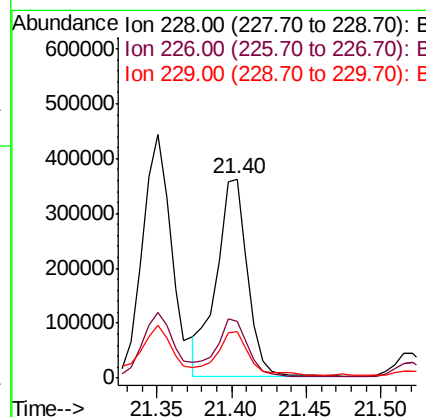
RT: 21.40 min Scan# 3131

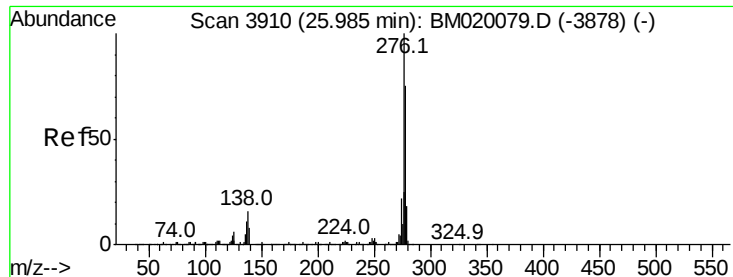
Delta R.T. -0.00 min

Lab File: BM020206.D

Acq: 08 May 2019 21:59

Tgt Ion:	228	Resp:	526036
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.0	34.6
229	23.1	15.5	23.3





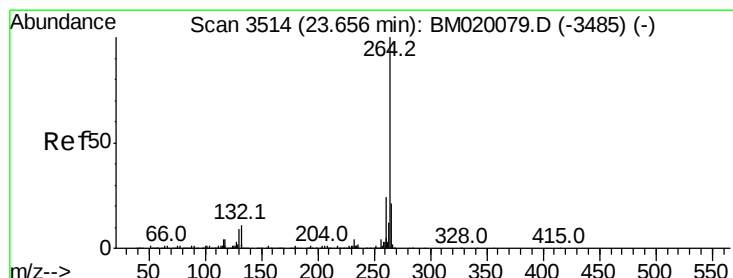
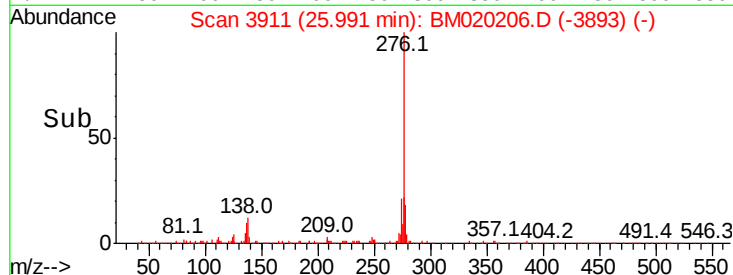
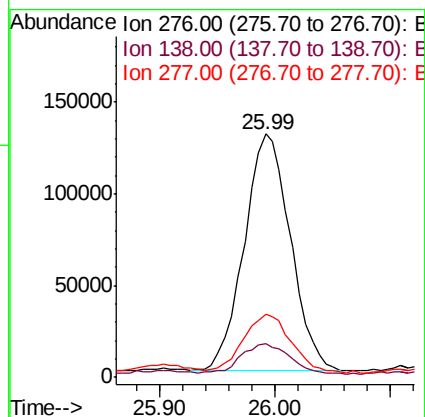
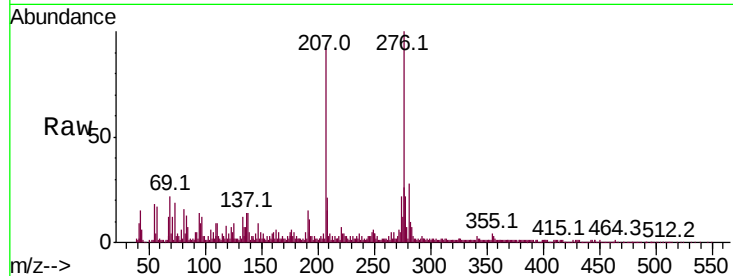
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.672 ng
RT: 25.99 min Scan# 3911
Delta R.T. 0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampleId :
B-4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	13.4	0.0	0.0#
277	25.7	0.0	0.0#

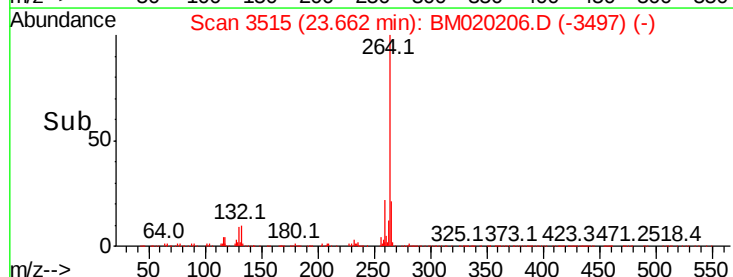
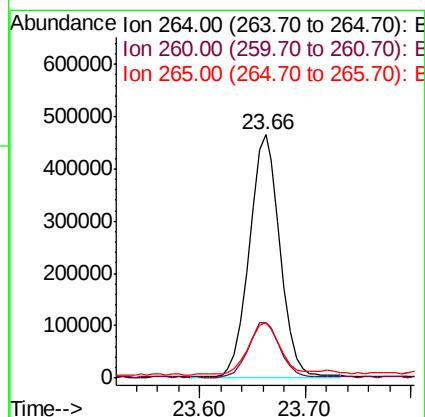
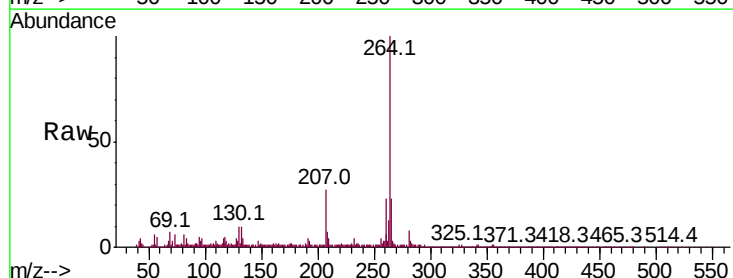
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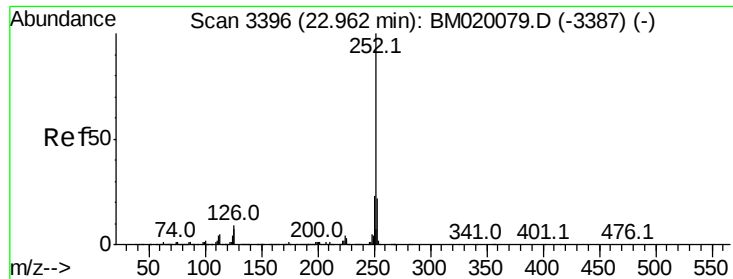
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.6	16.9	25.3





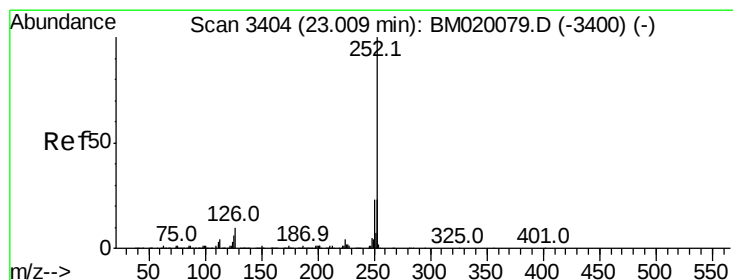
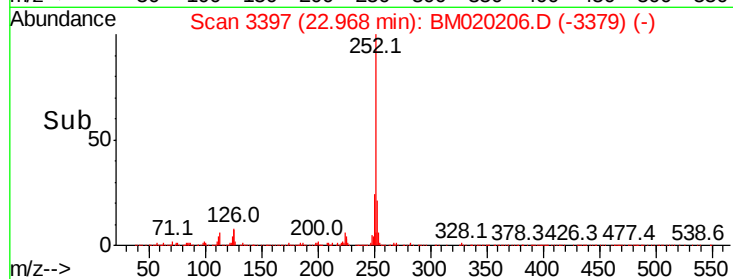
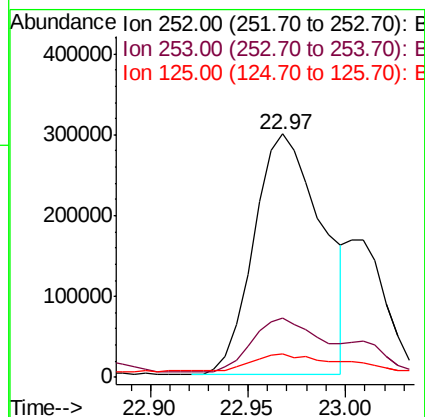
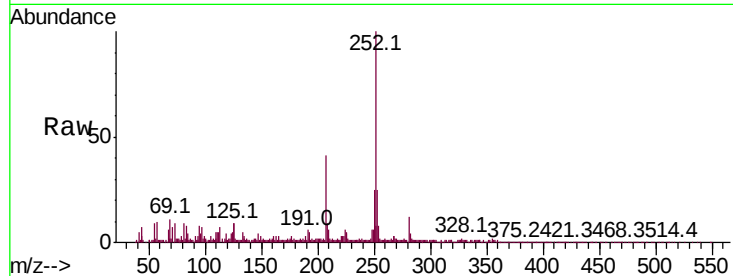
#88
Benzo(b)fluoranthene
Concen: 11.765 ng m
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampleId :
B-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	9.5	5.4	8.2#

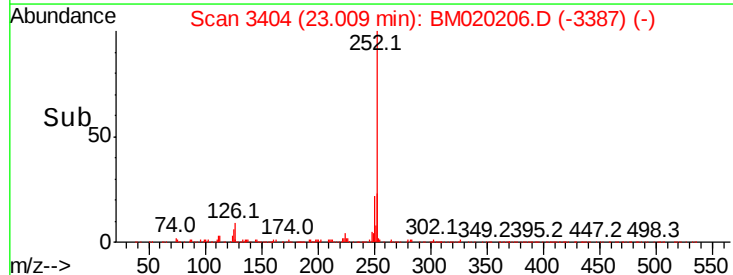
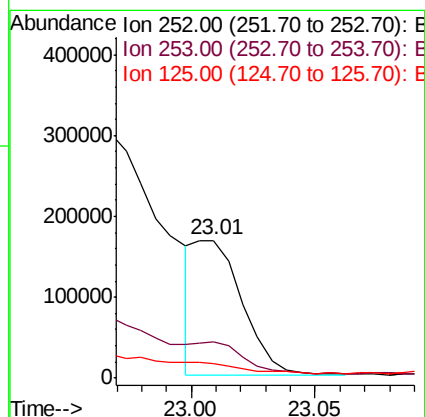
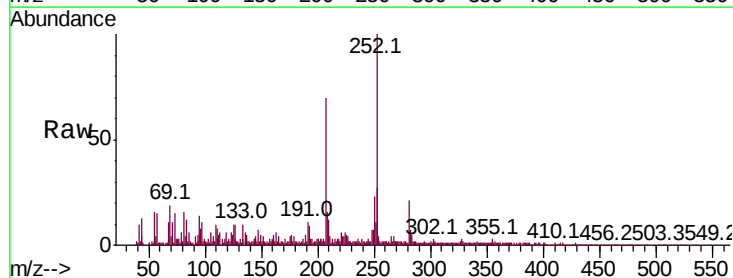
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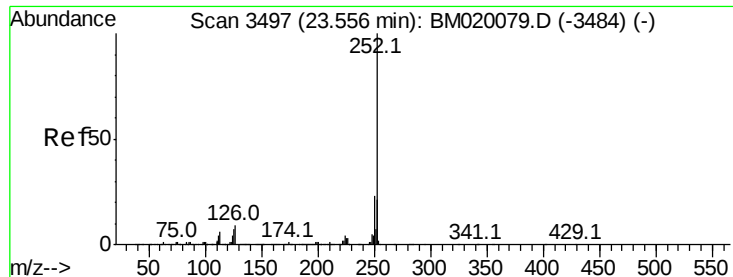
Sohil
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#89
Benzo(k)fluoranthene
Concen: 4.042 ng m
RT: 23.01 min Scan# 3404
Delta R.T. -0.00 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	10.2	5.4	8.0#





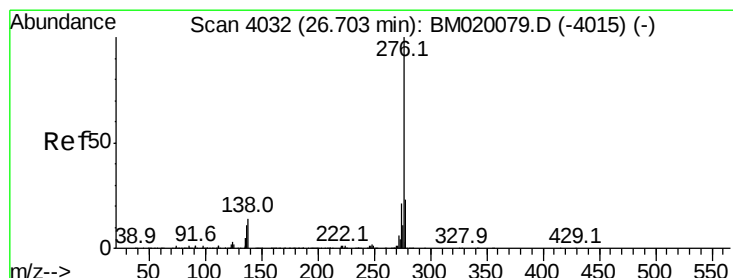
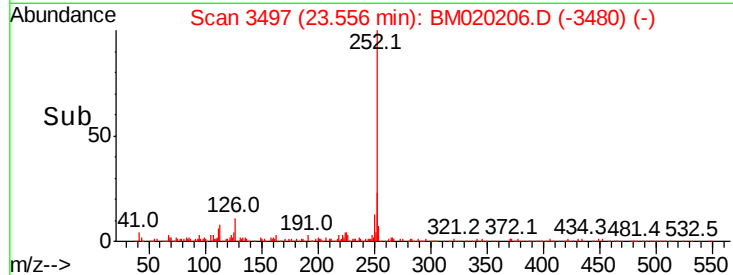
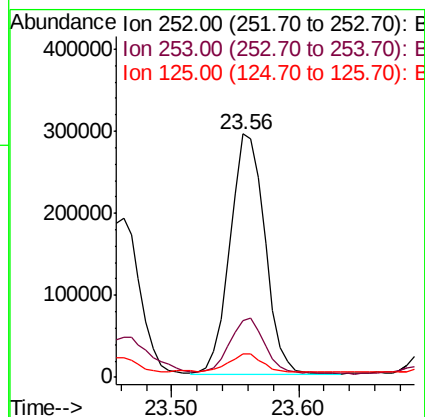
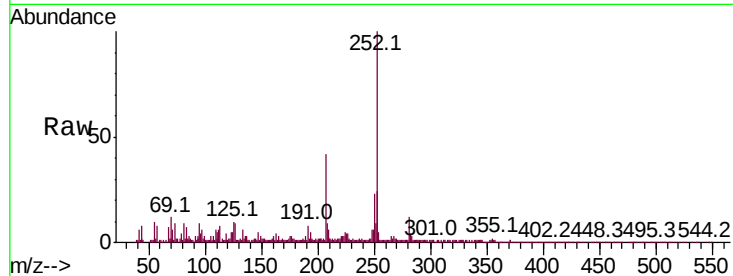
#90
Benzo(a)pyrene
Concen: 9.978 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Instrument :
BNA_M
ClientSampled :
B-4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.6	17.0	25.6
125	9.6	5.5	8.3#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.603 ng
RT: 26.72 min Scan# 4035
Delta R.T. 0.02 min
Lab File: BM020206.D
Acq: 08 May 2019 21:59

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.1	18.4	27.6
138	12.9	11.1	16.7

