

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020181.D
 Acq On : 08 May 2019 00:57
 Operator : JU/SJ
 Sample : K2703-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P-3-OW(0-10)

Manual Integrations
 APPROVED

Sohil
 5/9/2019 6:44:30 PM

Quant Time: May 08 05:34:57 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	123214	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	442329	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	276897	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	674870	20.00	ng	0.00
76) Chrysene-d12	21.36	240	728124	20.00	ng	0.00
87) Perylene-d12	23.65	264	862979	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	943907	125.22	ng	0.00
7) Phenol-d6	6.96	99	1294290	125.69	ng	0.00
23) Nitrobenzene-d5	8.95	82	931679	83.16	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	605068	140.78	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1873089	83.23	ng	-0.01
79) Terphenyl-d14	19.80	244	3366375	80.64	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.98	94	35545	3.206	ng	95
50) Dimethylphthalate	13.89	163	306167	13.010	ng	97
52) Acenaphthene	14.49	154	38693	2.317	ng	95
58) Fluorene	15.48	166	66305	2.866	ng	99
71) Phenanthrene	17.22	178	3020744	81.086	ng	99
72) Anthracene	17.31	178	564682	15.161	ng	100
73) Carbazole	17.59	167	314836	9.368	ng	99
75) Fluoranthene	19.24	202	5317853	112.822	ng	99
78) Pyrene	19.60	202	4663845	95.403	ng	99
81) Benzo(a)anthracene	21.34	228	2527327	49.494	ng	99
83) Chrysene	21.40	228	2404878	48.561	ng	98
86) Indeno(1,2,3-cd)pyrene	25.98	276	1528296	25.945	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	3018855m	52.975	ng	
89) Benzo(k)fluoranthene	23.00	252	886074m	17.046	ng	
90) Benzo(a)pyrene	23.56	252	2202016	42.541	ng	99
91) Dibenzo(a,h)anthracene	25.98	278	385942	7.170	ng	# 88
92) Benzo(a,h,i)perylene	26.70	276	1510655	29.559	ng	99

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

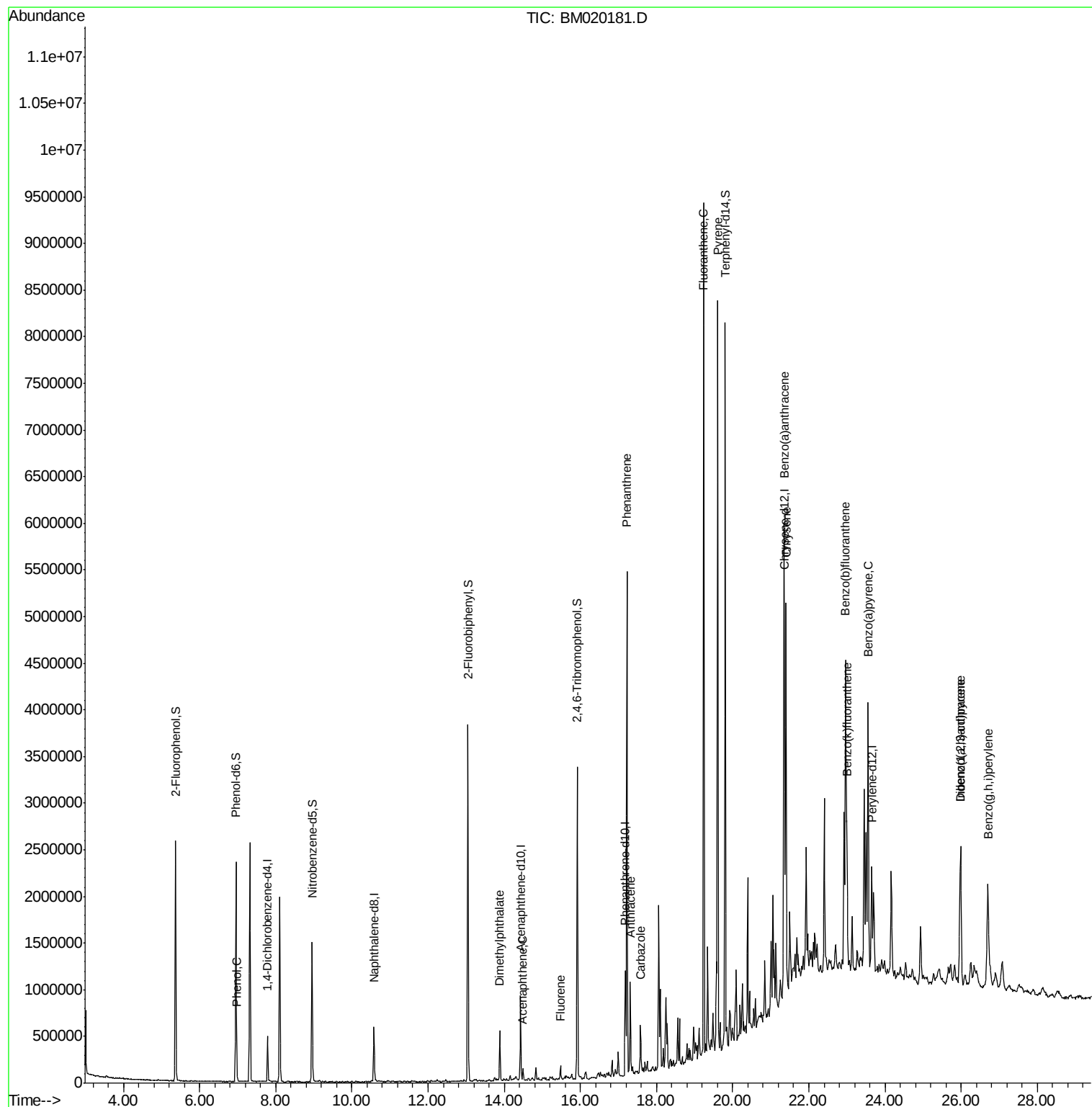
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020181.D
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Sample : K2703-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

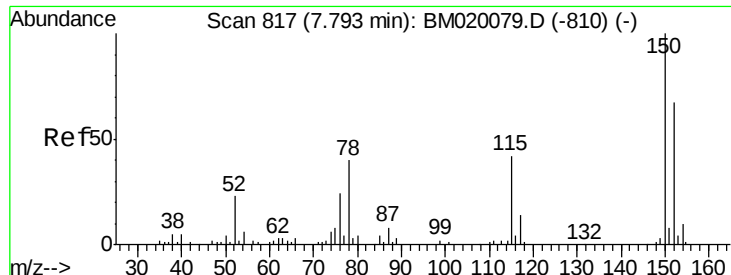
Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Manual Integrations
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Quant Time: May 08 05:34:57 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
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#1

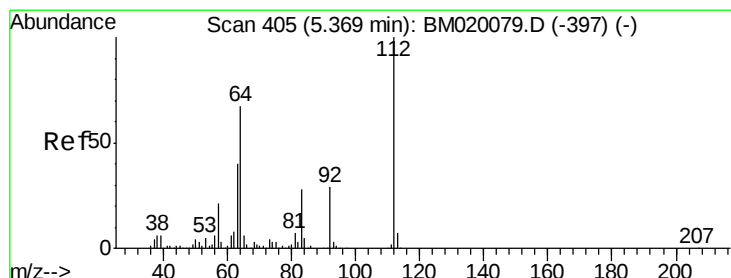
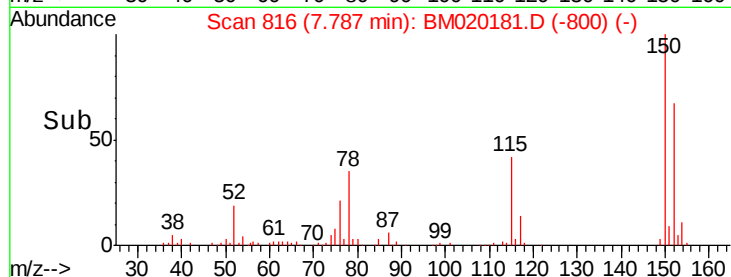
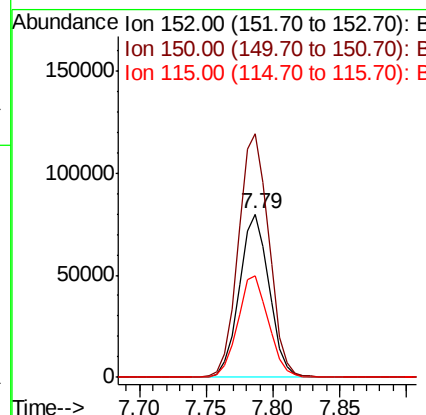
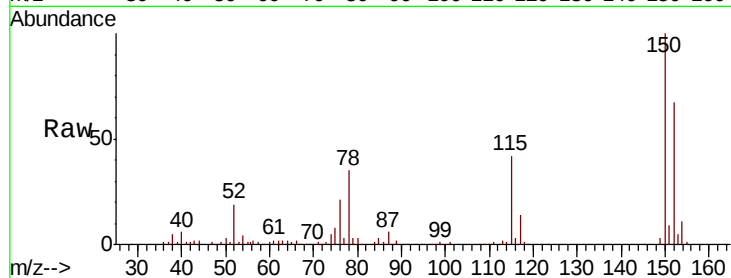
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	119.8	179.8
115	62.5	50.8	76.2

Manual Integrations
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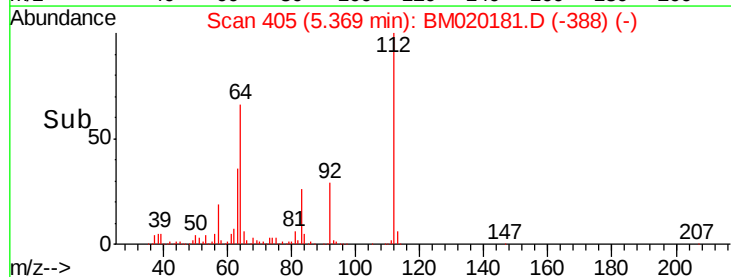
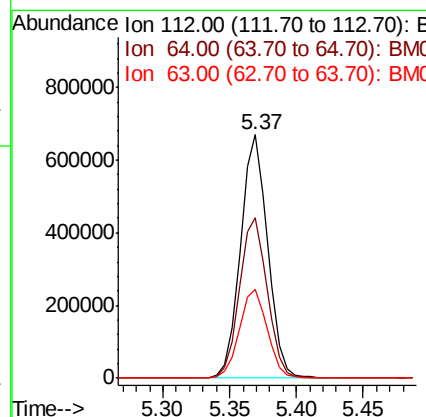
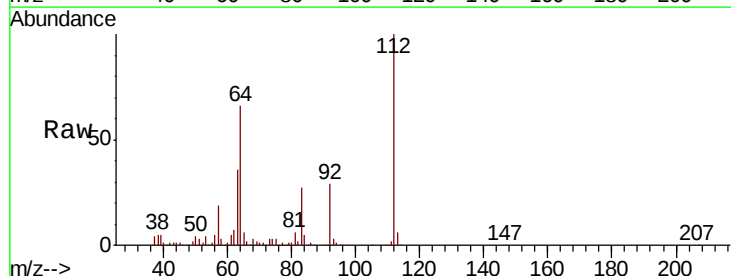
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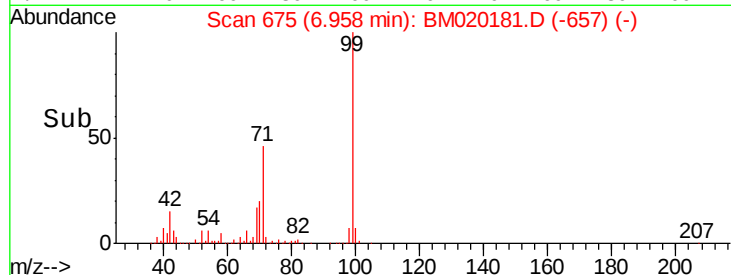
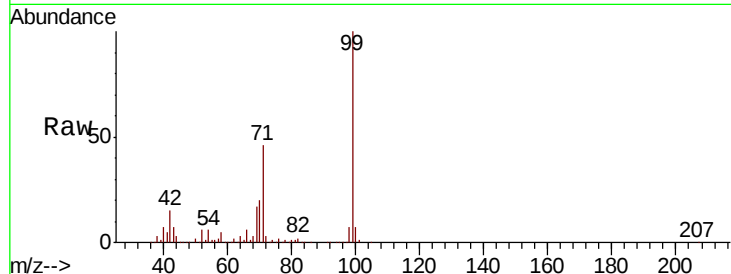
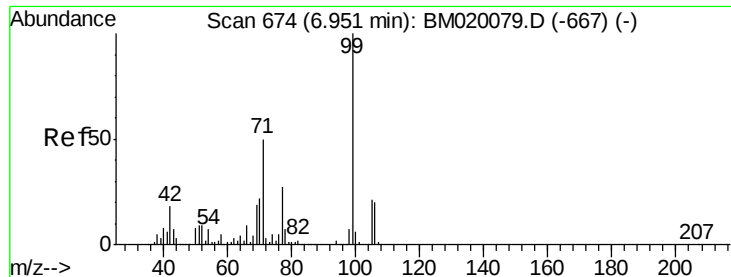


#5

2-Fluorophenol
Concen: 125.221 ng
RT: 5.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.8	80.6
63	36.5	32.3	48.5





#7

Phenol-d6

Concen: 125.686 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tot Ion:	99	Resp:	1294290
Ion	Ratio	Lower	Upper
99	100		
42	15.1	14.2	21.2
71	45.5	40.3	60.5

Instrument :

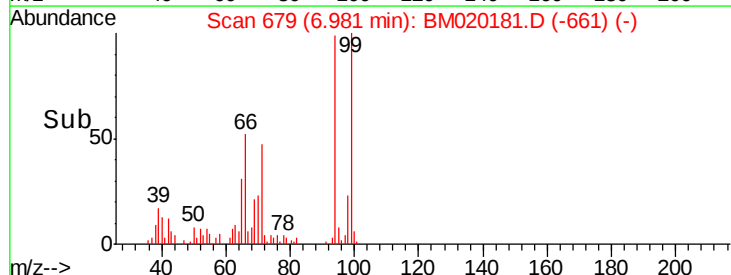
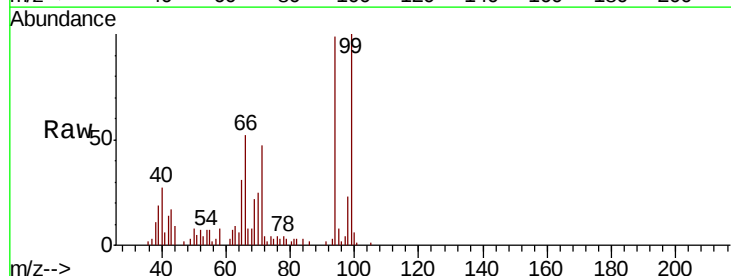
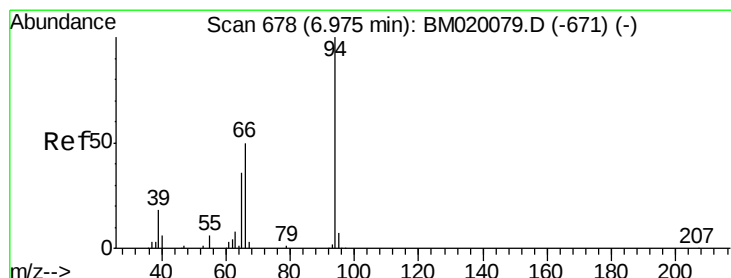
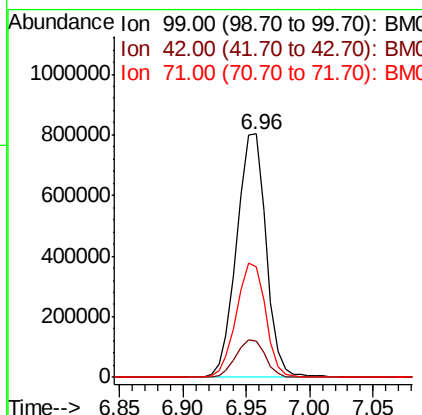
BNA_M

ClientSampled :

P-3-OW(0-10)

Manual Integrations
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#10

Phenol

Concen: 3.206 ng

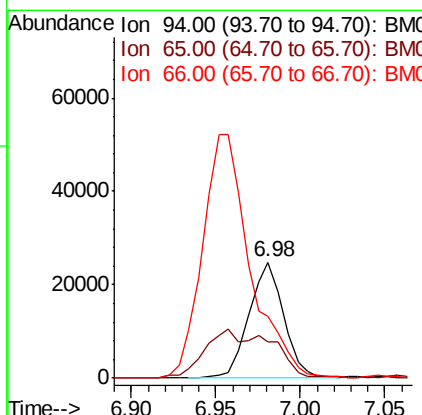
RT: 6.98 min Scan# 679

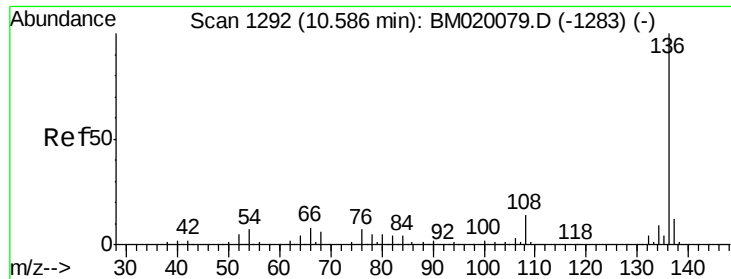
Delta R.T. 0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tgt Ion:	94	Resp:	35545
Ion	Ratio	Lower	Upper
94	100		
65	31.5	17.0	57.0
66	52.9	34.5	74.5





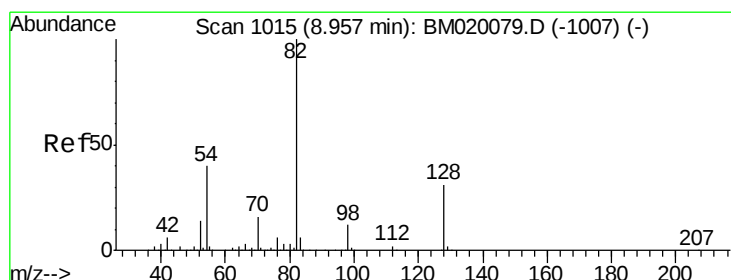
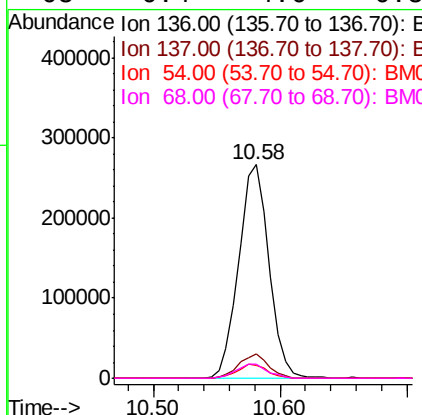
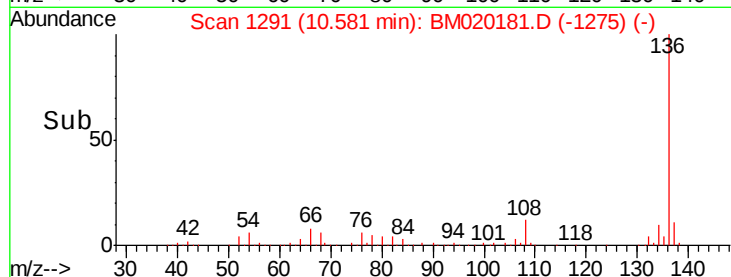
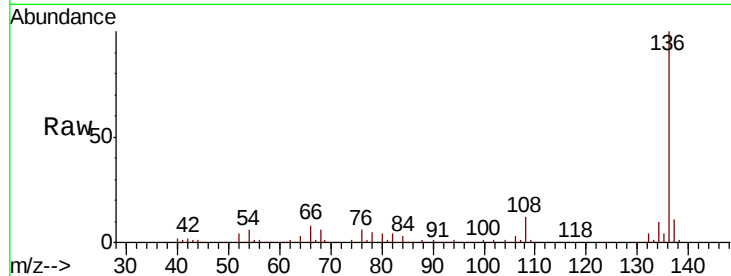
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	442329		
137	11.3	9.6	14.4	
54	5.8	5.5	8.3	
68	6.4	4.6	6.8	

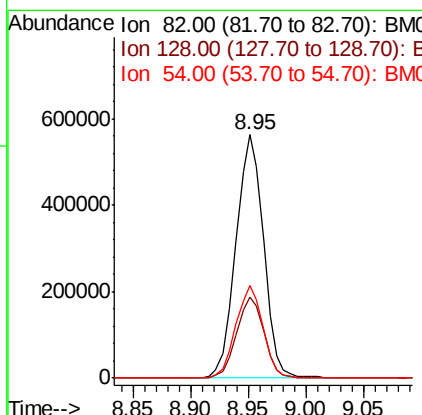
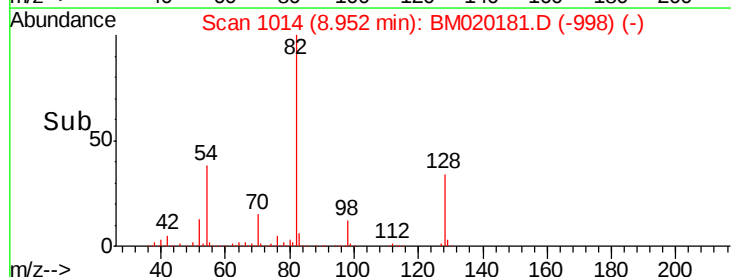
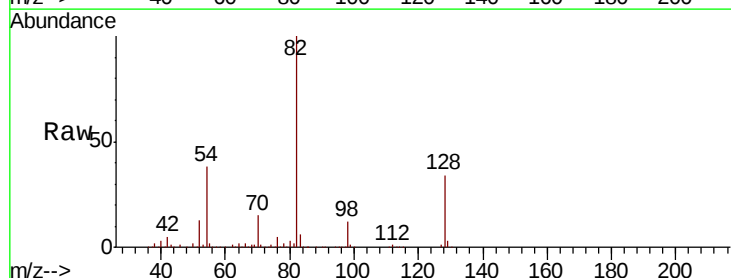
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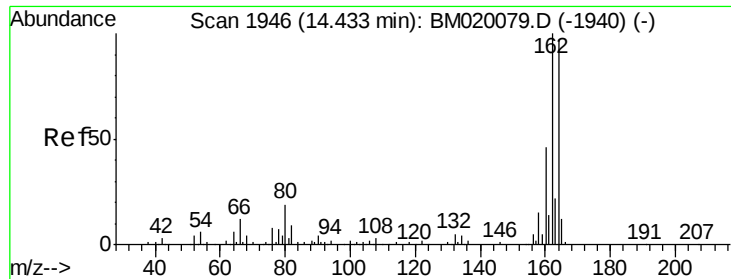
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#23
Nitrobenzene-d5
Concen: 83.157 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	931679		
128	33.6	25.2	37.8	
54	38.0	31.9	47.9	





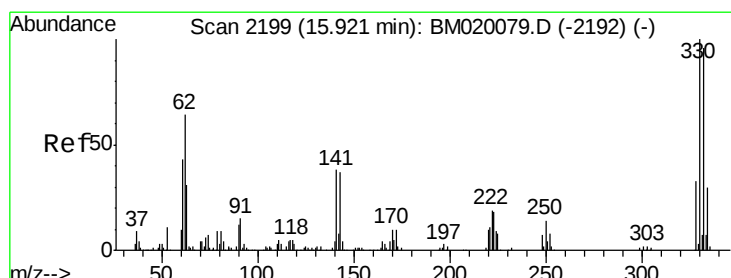
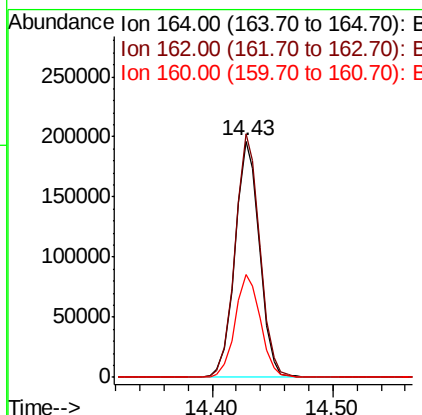
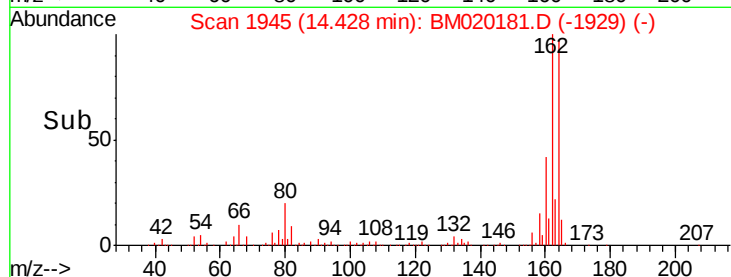
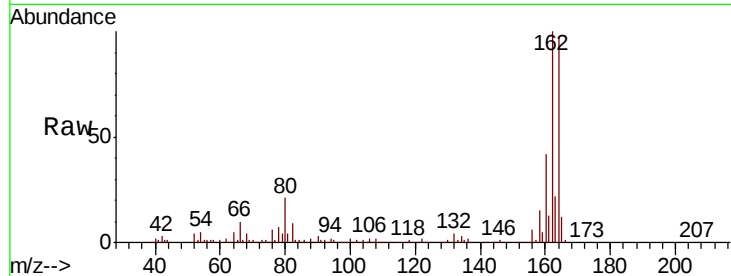
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	82.2	123.2	
160	43.4	37.6	56.4	

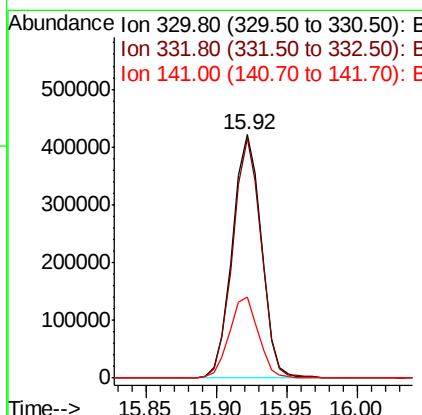
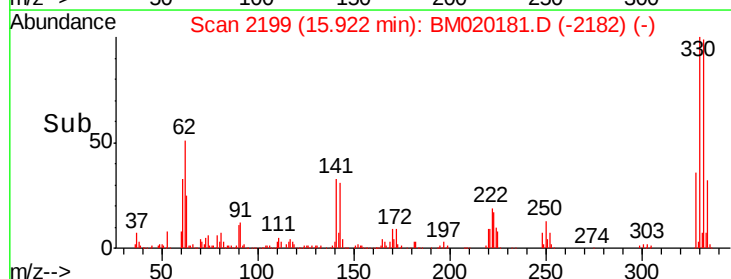
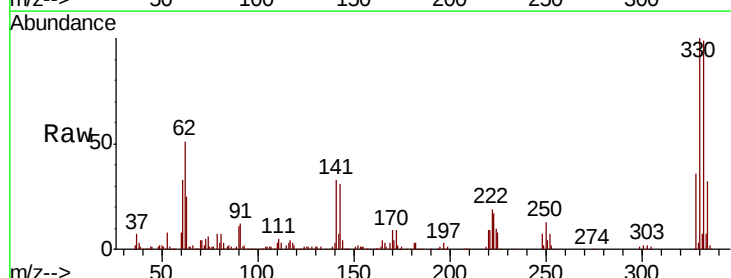
Manual Integrations
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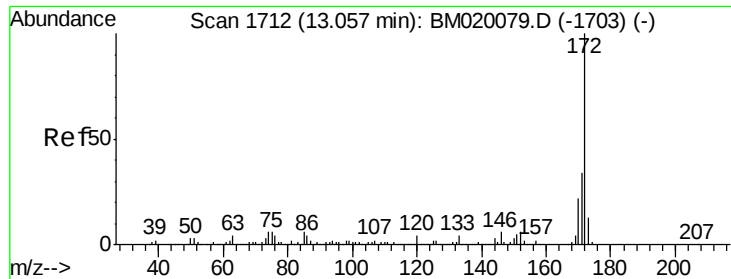
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#42
2,4,6-Tribromophenol
Concen: 140.780 ng
RT: 15.92 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.8	115.2	
141	33.0	29.2	43.8	





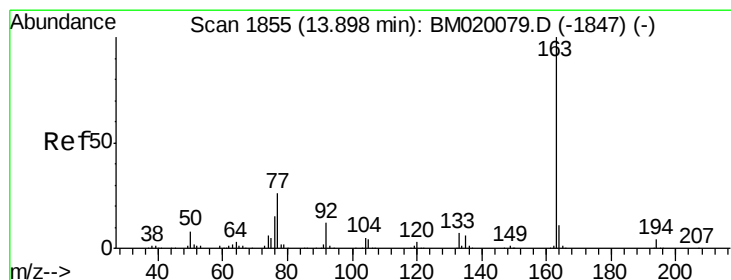
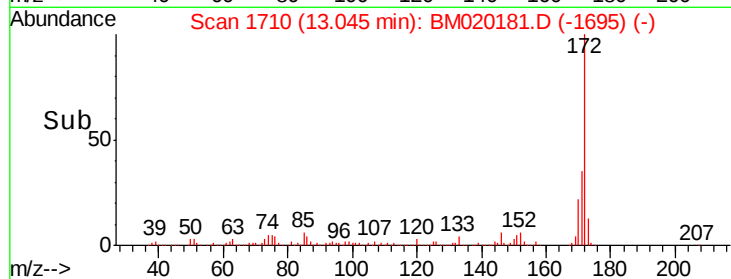
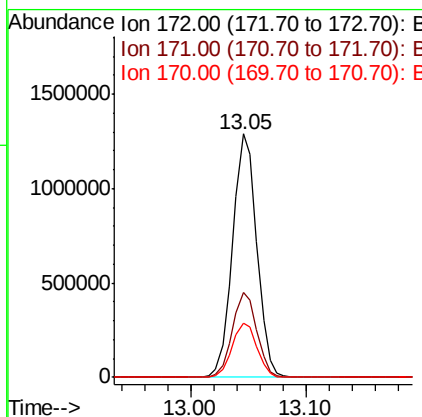
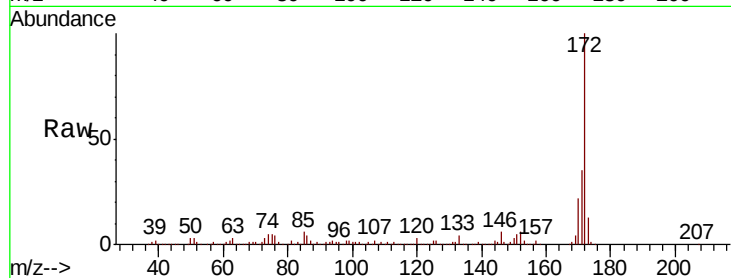
#45
2-Fluorobiphenyl
Concen: 83.229 ng
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.3	40.9
170	22.5	17.9	26.9

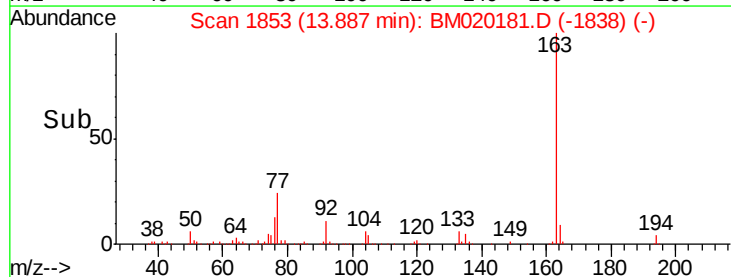
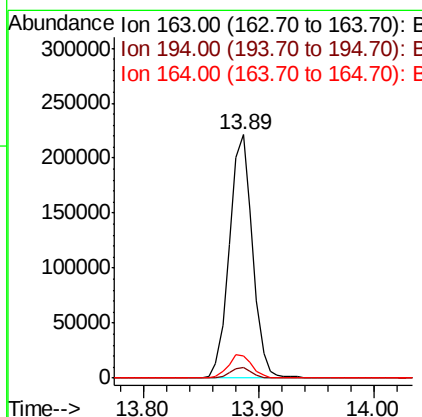
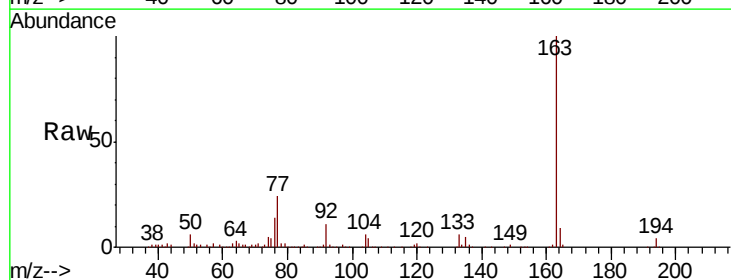
Manual Integrations
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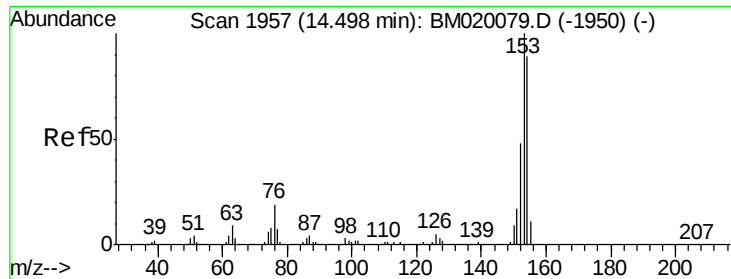
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#50
Dimethylphthalate
Concen: 13.010 ng
RT: 13.89 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	9.1	8.4	12.6





#52

Acenaphthene

Concen: 2.317 ng

RT: 14.49 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

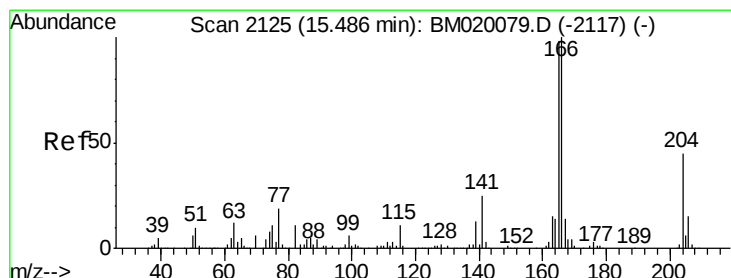
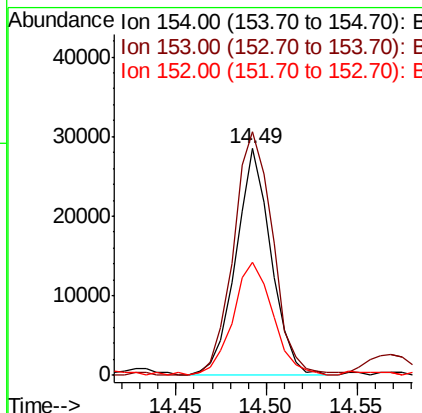
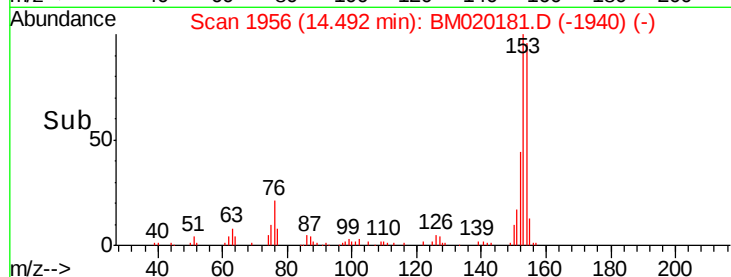
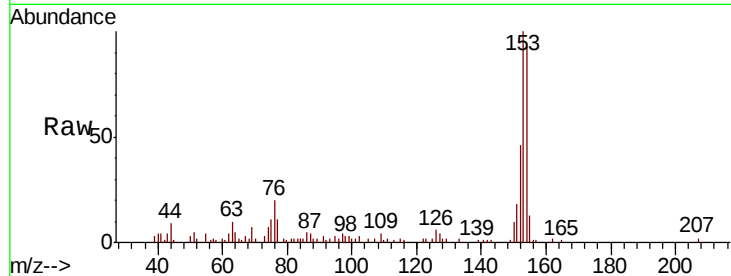
ClientSampleId :

P-3-OW(0-10)

Tot Ion:	154	Resp:	38693
Ion Ratio	Lower	Upper	
154	100		
153	107.4	90.2	135.2
152	49.8	43.0	64.4

Manual Integrations
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#58

Fluorene

Concen: 2.866 ng

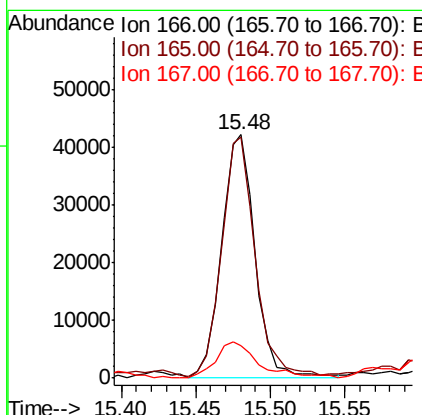
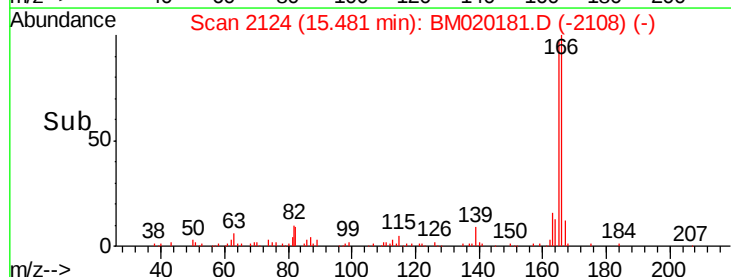
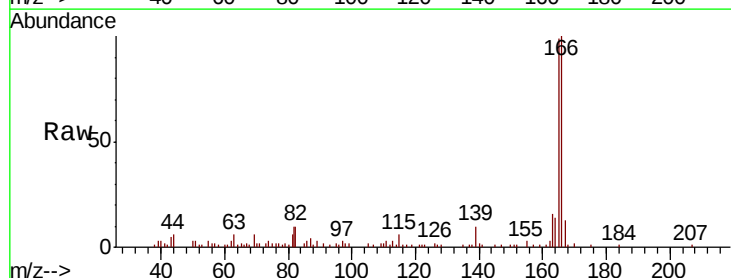
RT: 15.48 min Scan# 2124

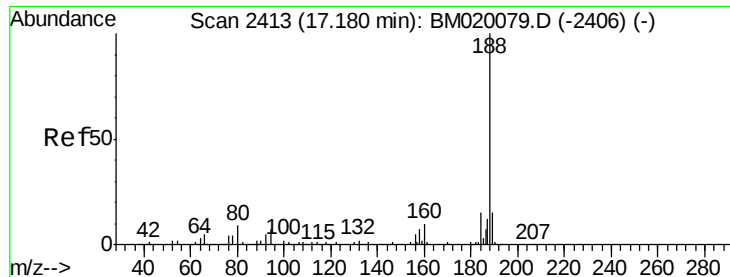
Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tgt Ion:	166	Resp:	66305
Ion Ratio	Lower	Upper	
166	100		
165	99.1	78.2	117.2
167	13.3	11.0	16.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.18 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

ClientSampleId :

P-3-OW(0-10)

Tot Ion:188 Resp: 674870

Ion Ratio Lower Upper

188 100

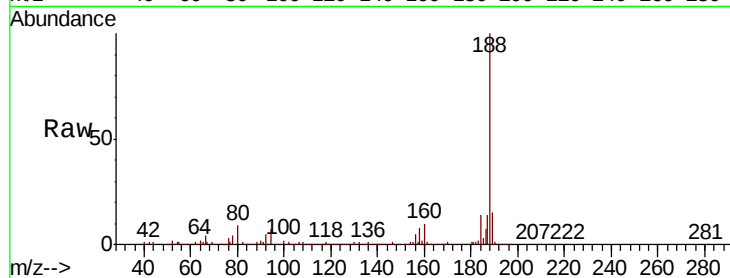
94 7.3 5.8 8.6

80 9.4 7.4 11.2

Manual Integrations
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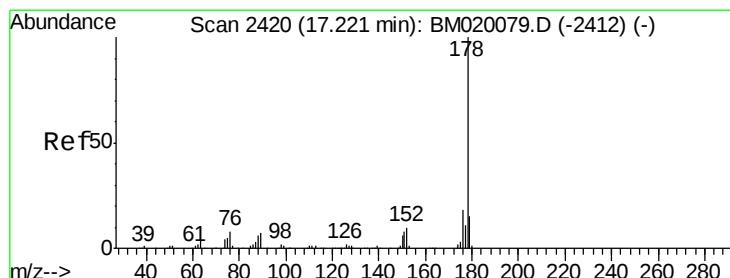
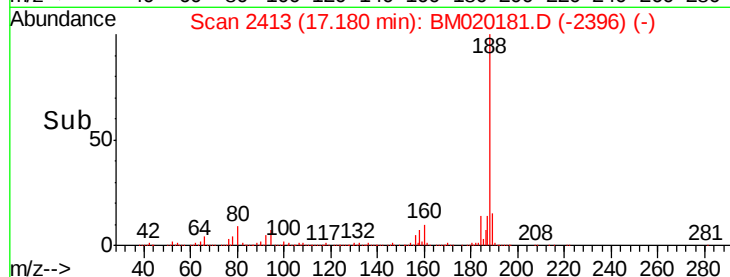
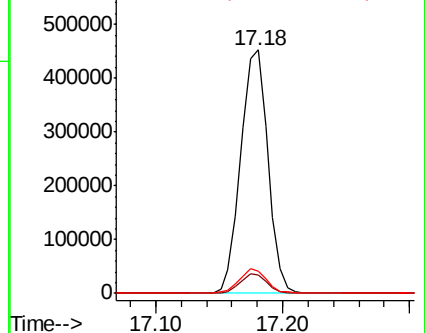
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#71

Phenanthrene

Concen: 81.086 ng

RT: 17.22 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

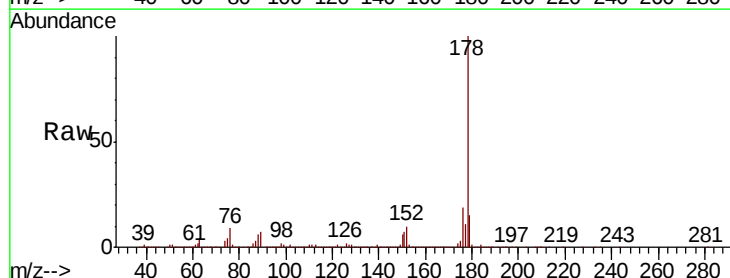
Tgt Ion:178 Resp: 3020744

Ion Ratio Lower Upper

178 100

176 19.1 14.6 21.8

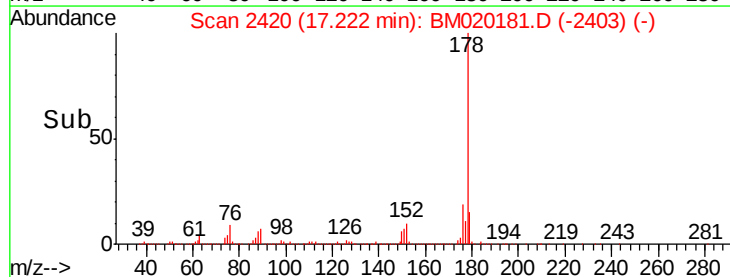
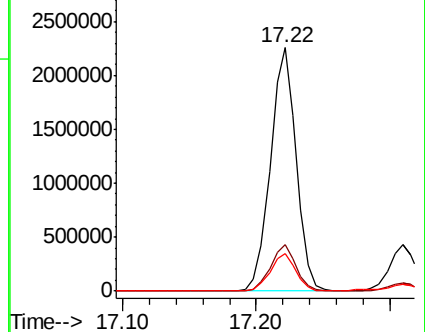
179 15.5 12.4 18.6

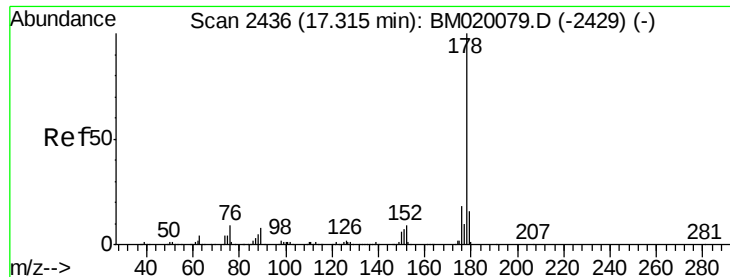


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 15.161 ng

RT: 17.31 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

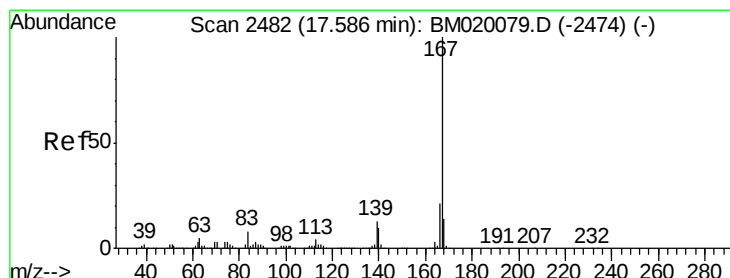
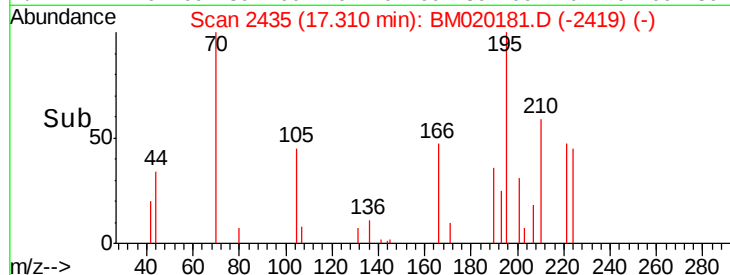
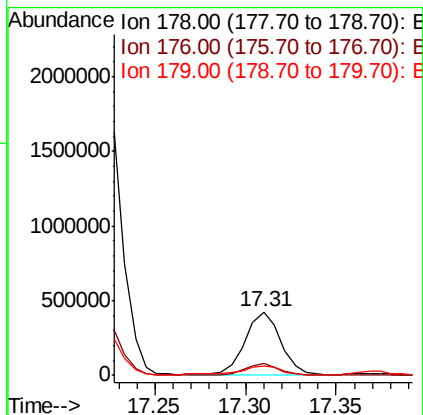
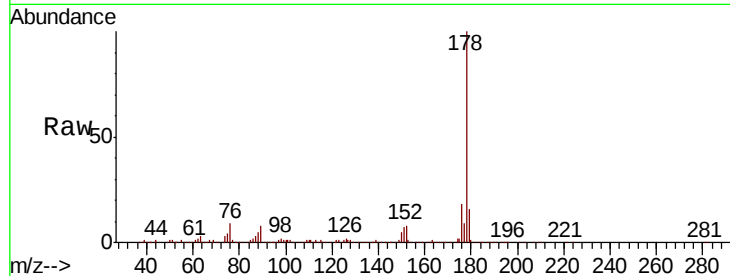
ClientSampleId :

P-3-OW(0-10)

Tot Ion:178	Resp:	564682
Ion Ratio	Lower	Upper
178	100	
176	18.0	14.6 22.0
179	15.6	12.4 18.6

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#73

Carbazole

Concen: 9.368 ng

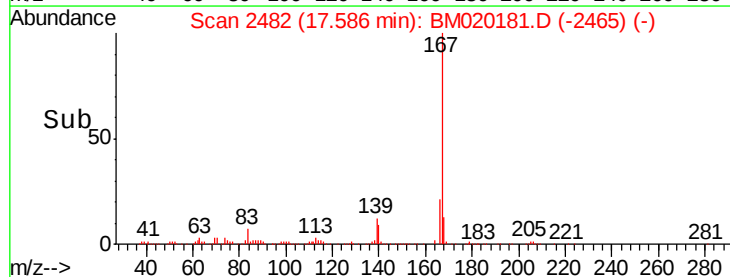
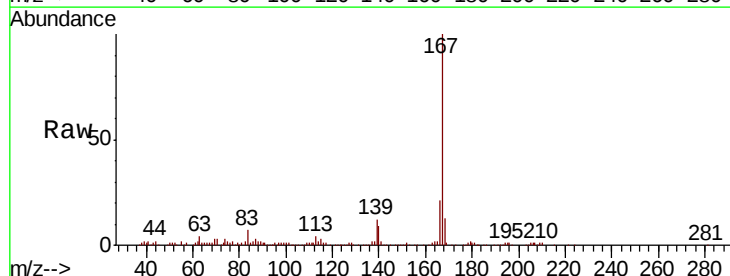
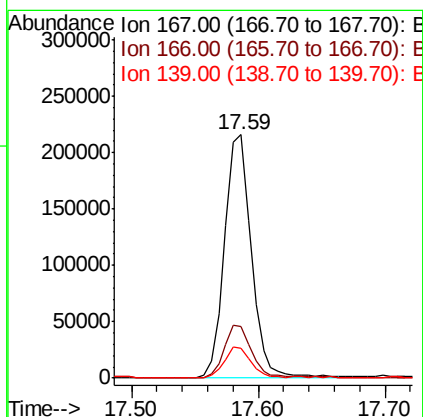
RT: 17.59 min Scan# 2482

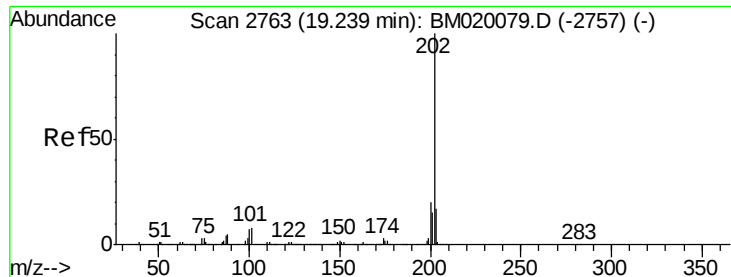
Delta R.T. 0.00 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tgt Ion:167	Resp:	314836
Ion Ratio	Lower	Upper
167	100	
166	21.3	17.0 25.6
139	12.2	10.6 16.0





#75

Fluoranthene

Concen: 112.822 ng

RT: 19.24 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

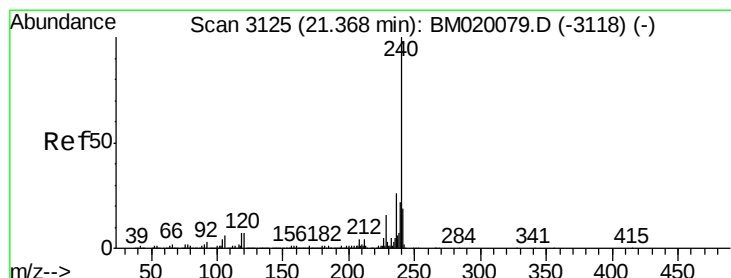
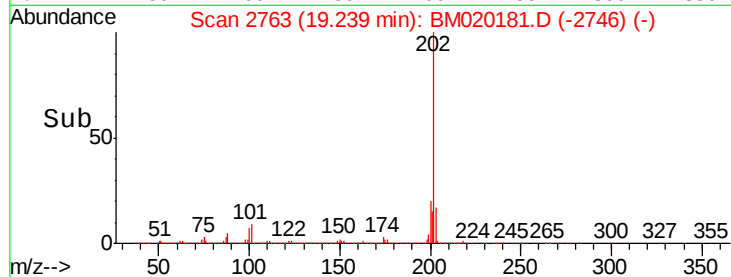
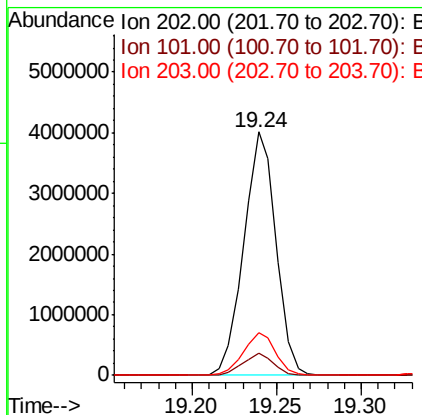
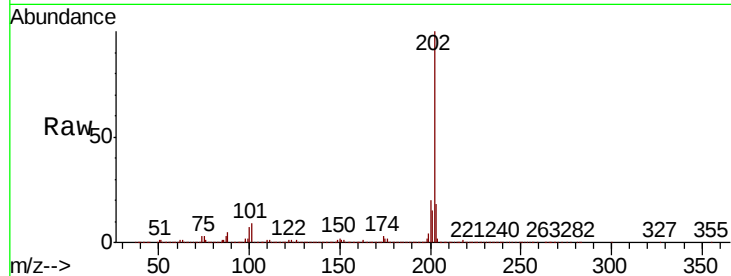
ClientSampleId :

P-3-OW(0-10)

Tot Ion:	202	Resp:	5317853
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.7	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

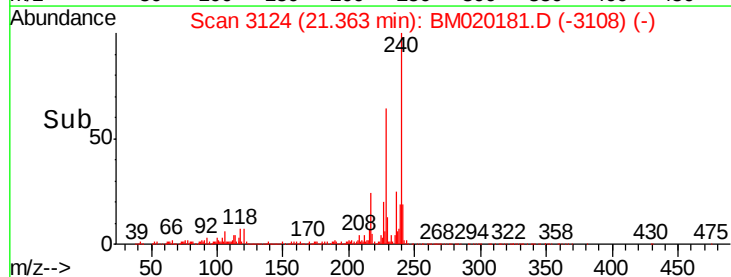
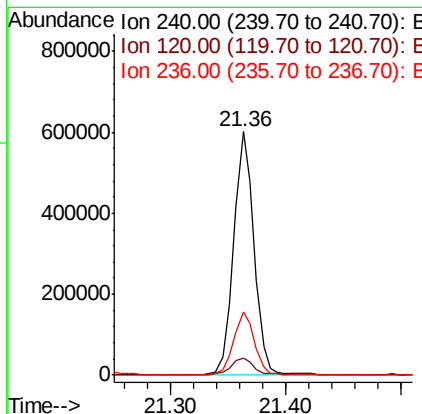
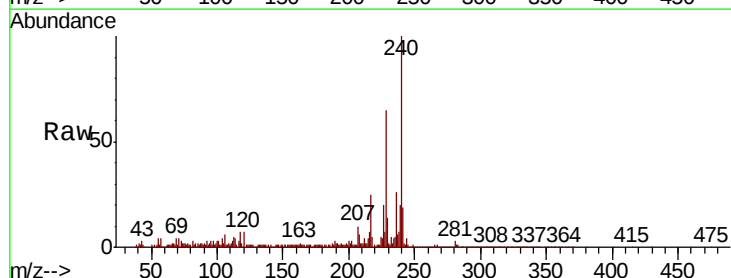
RT: 21.36 min Scan# 3124

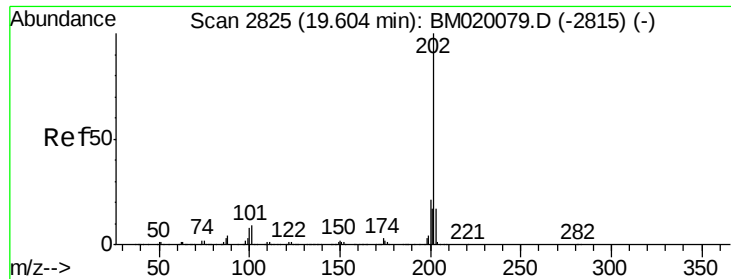
Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tgt Ion:	240	Resp:	728124
Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.6	8.4
236	25.7	20.9	31.3





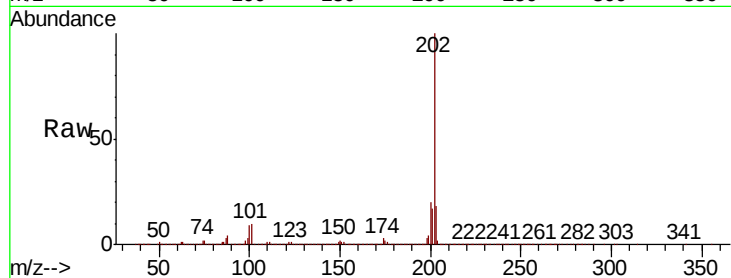
#78
Pvrene
Concen: 95.403 ng
RT: 19.60 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.6	13.9	20.9

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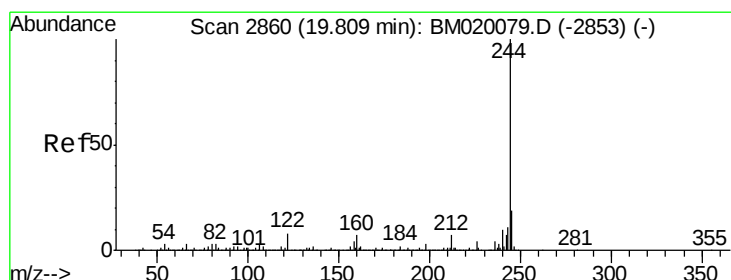
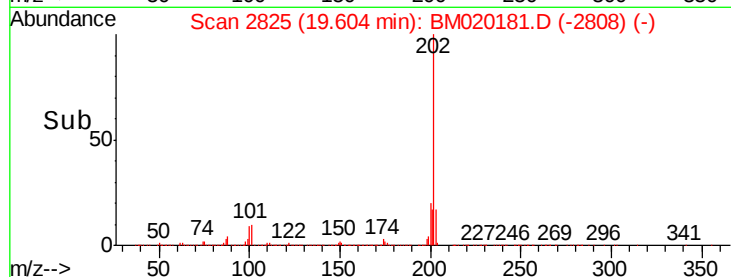
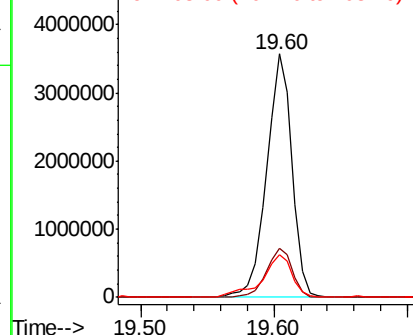


Abundance

Ion 202.00 (201.70 to 202.70): E

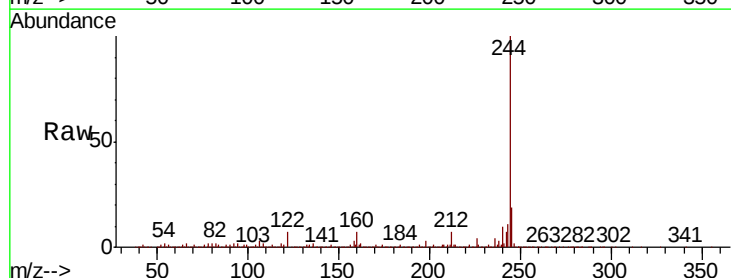
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 80.641 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.1	6.2	9.2

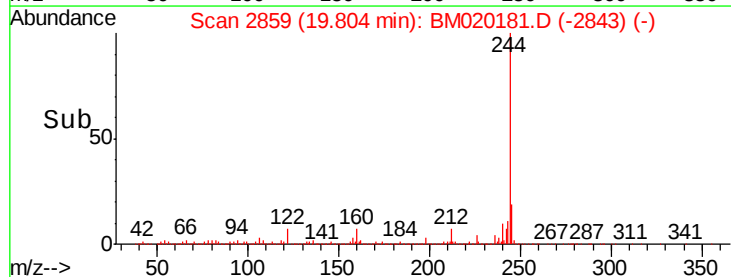
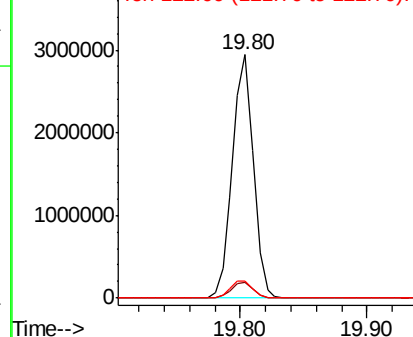


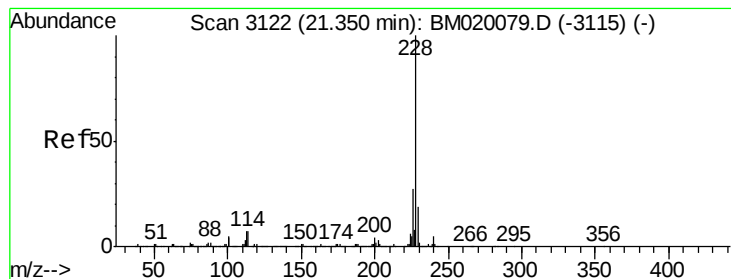
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 49.494 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

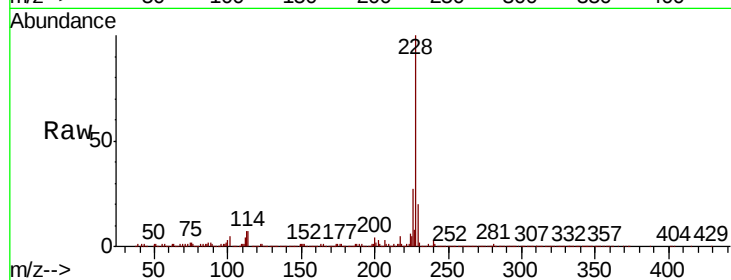
ClientSampleId :

P-3-OW(0-10)

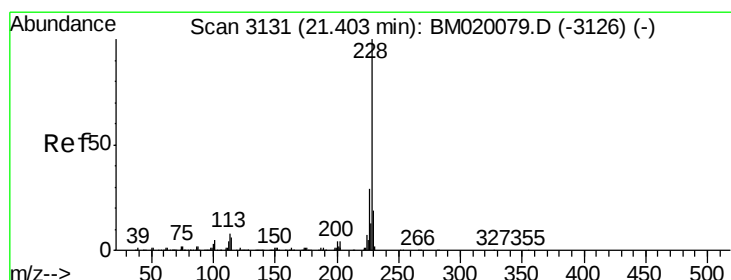
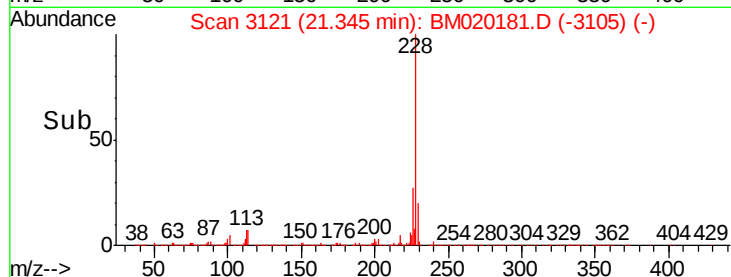
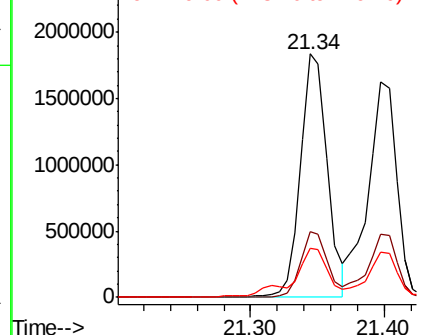
Tot Ion:	228	Resp:	2527327
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.3	15.5	23.3

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Abundance Ion 228.00 (227.70 to 228.70): E
2500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 48.561 ng

RT: 21.40 min Scan# 3130

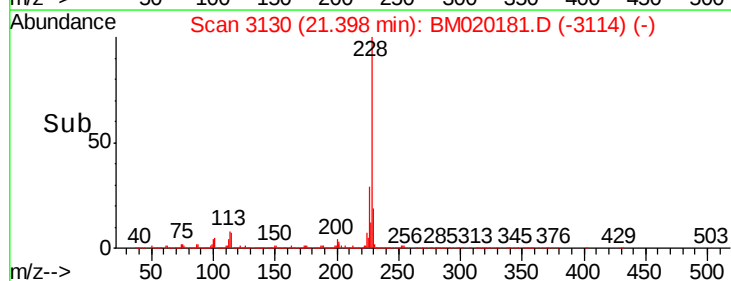
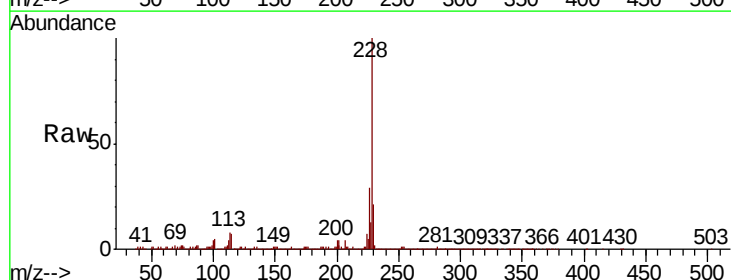
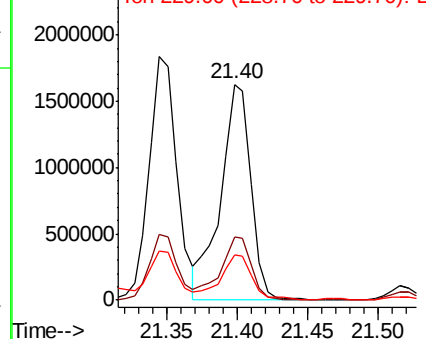
Delta R.T. -0.01 min

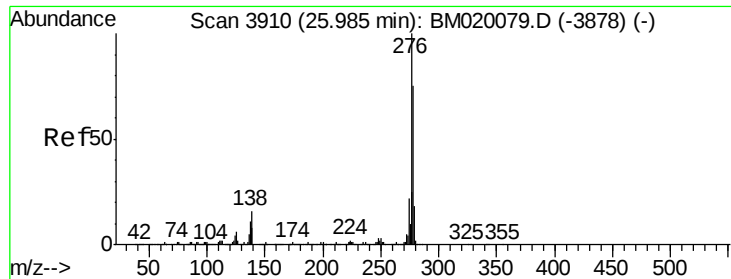
Lab File: BM020181.D

Acq: 08 May 2019 00:57

Tgt Ion:	228	Resp:	2404878
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.0	34.6
229	21.0	15.5	23.3

Abundance Ion 228.00 (227.70 to 228.70): E
2500000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





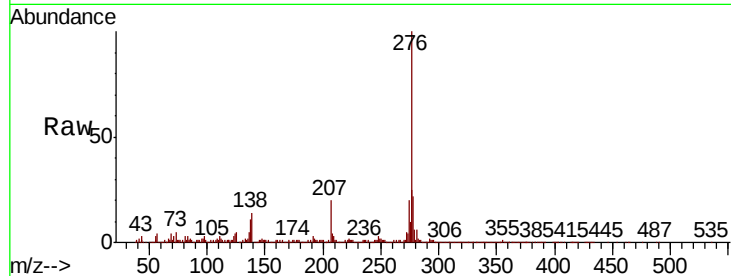
#86
Indeno(1,2,3-cd)pyrene
Concen: 25.945 ng
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.6	0.0	0.0#
277	25.0	0.0	0.0#

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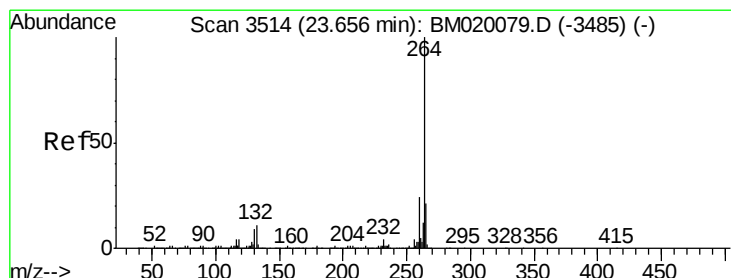
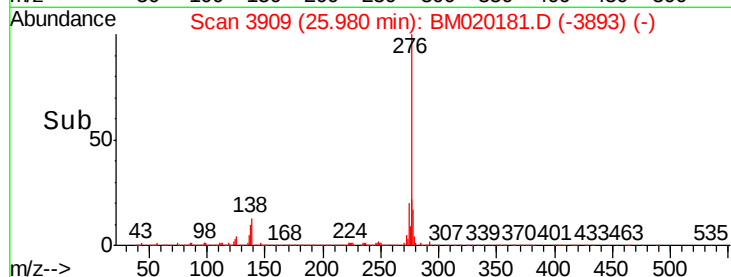
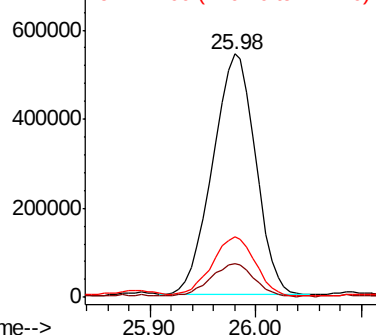


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.65 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

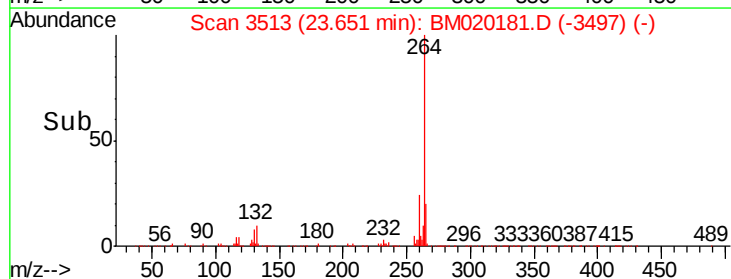
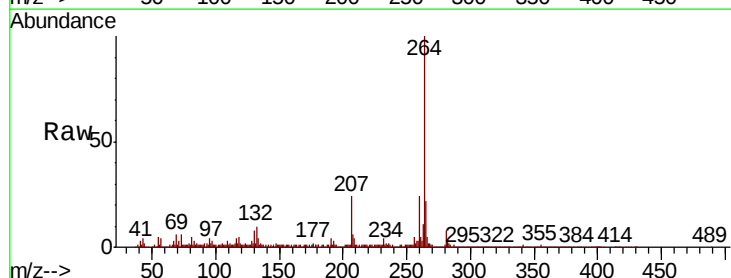
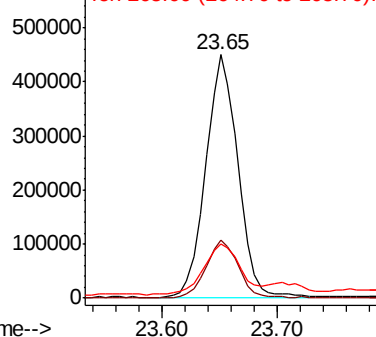
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	16.9	25.3

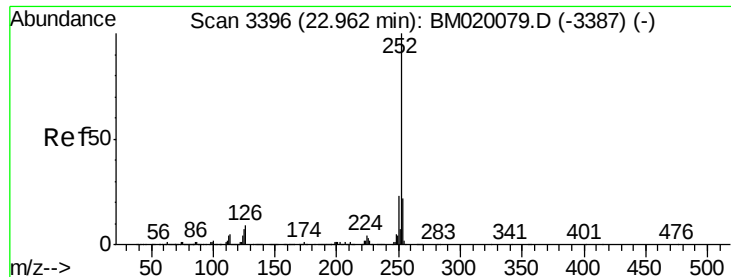
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





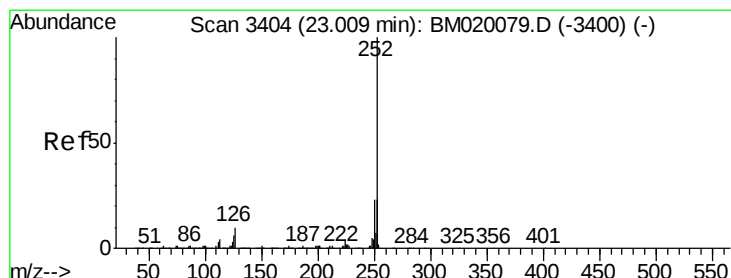
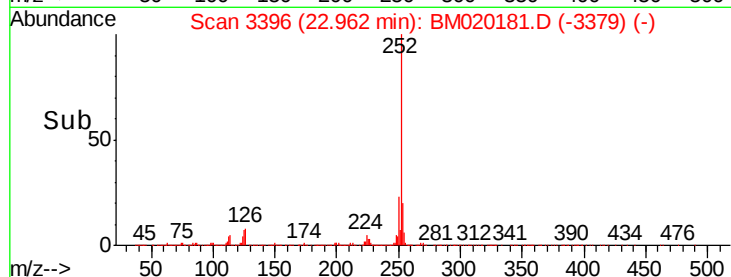
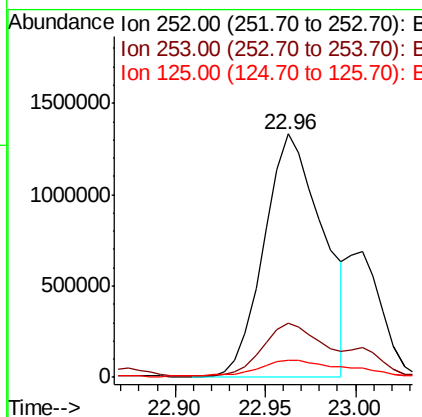
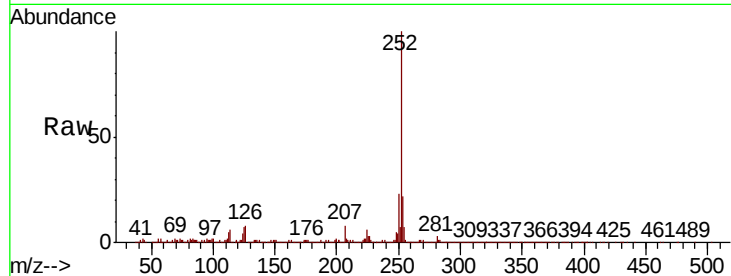
#88
Benzo(b)fluoranthene
Concen: 52.975 ng m
RT: 22.96 min Scan# 3396
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	7.2	5.4	8.2

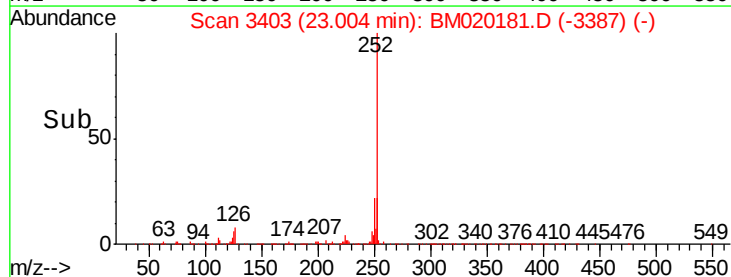
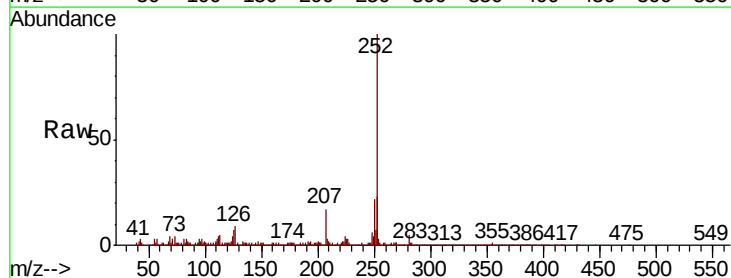
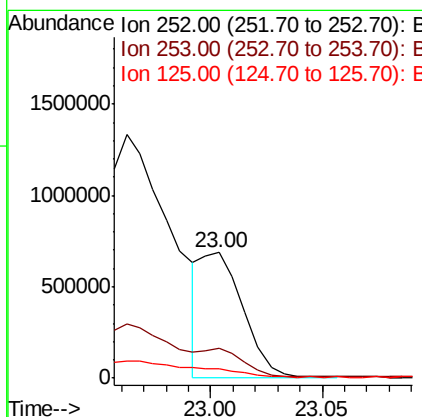
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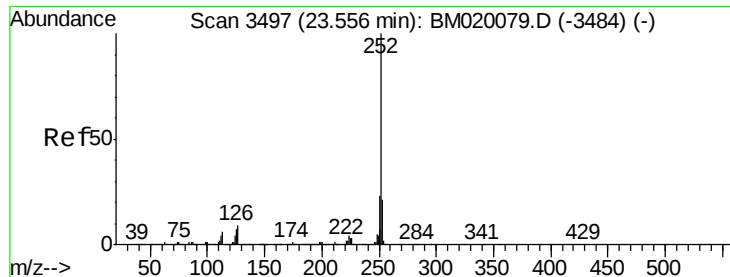
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#89
Benzo(k)fluoranthene
Concen: 17.046 ng m
RT: 23.00 min Scan# 3403
Delta R.T. -0.01 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	7.2	5.4	8.0





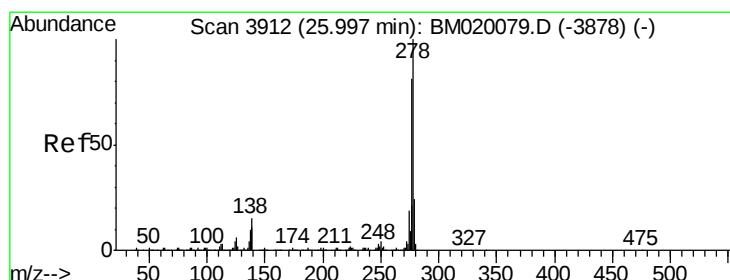
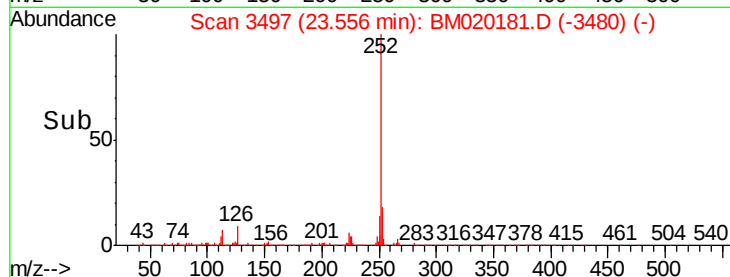
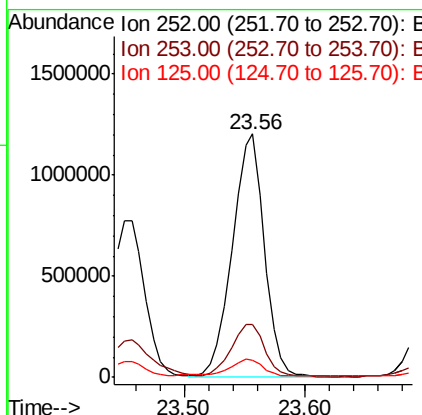
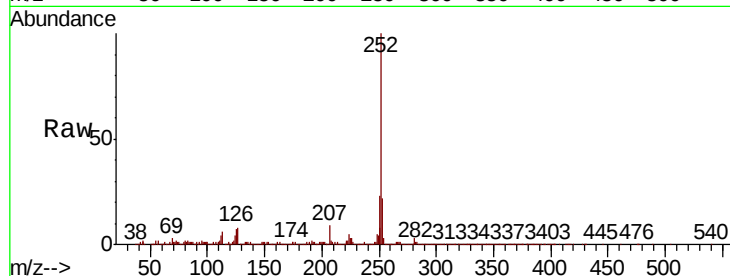
#90
Benzo(a)pyrene
Concen: 42.541 ng
RT: 23.56 min Scan# 3497
Delta R.T. 0.00 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Instrument :
BNA_M
ClientSampleId :
P-3-OW(0-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	7.0	5.5	8.3

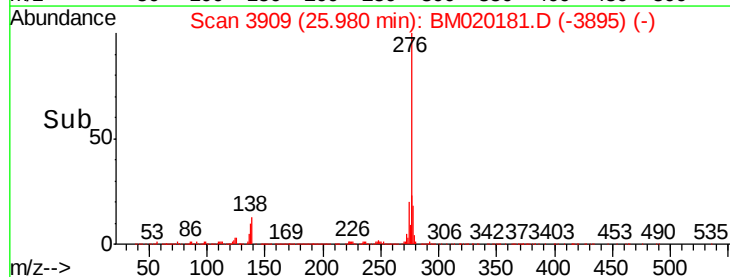
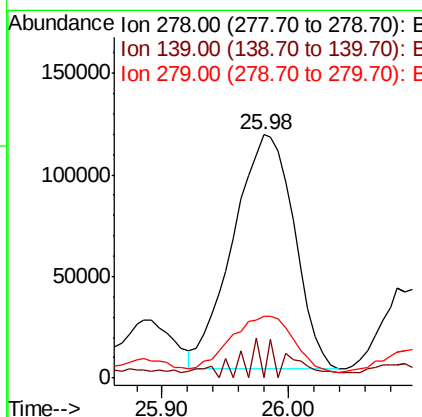
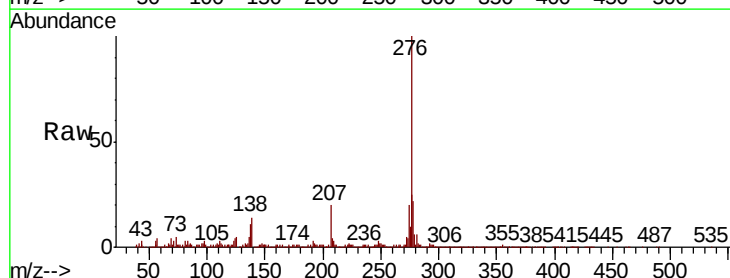
Manual Integrations
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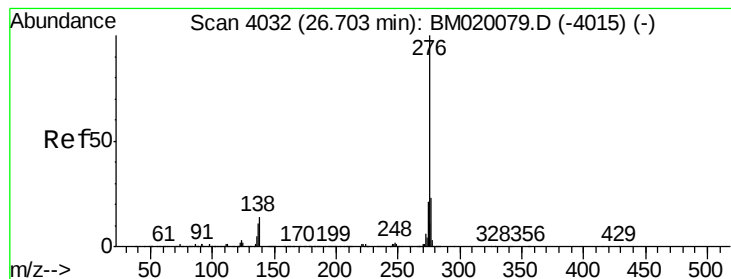
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 7.170 ng
RT: 25.98 min Scan# 3909
Delta R.T. -0.02 min
Lab File: BM020181.D
Acq: 08 May 2019 00:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	8.6	13.0#
279	25.6	18.8	28.2





#92

Benzo(a,h,i)perylene

Concen: 29.559 ng

RT: 26.70 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BM020181.D

Acq: 08 May 2019 00:57

Instrument :

BNA_M

ClientSampleId :

P-3-OW(0-10)

Tot Ion:276 Resp: 1510655

Ion Ratio Lower Upper

276 100

277 23.6 18.4 27.6

138 13.7 11.1 16.7

Manual Integrations

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