

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
 Data File : BM029294.D
 Acq On : 31 Mar 2021 15:14
 Operator : CG/JU
 Sample : M1720-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG-1-(0.0-0.5)

Manual Integrations
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mohammad
 4/1/2021 10:51:06 AM

Quant Time: Mar 31 15:46:35 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 11:14:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	175491	20.00	ng	0.00
21) Naphthalene-d8	10.528	136	736819	20.00	ng	0.00
39) Acenaphthene-d10	14.374	164	442501	20.00	ng	0.00
64) Phenanthrene-d10	17.115	188	761902	20.00	ng	0.00
76) Chrysene-d12	21.292	240	578909	20.00	ng	0.00
86) Perylene-d12	23.533	264	580142	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1048873	103.02	ng	0.00
7) Phenol-d6	6.922	99	1469493	100.58	ng	0.00
23) Nitrobenzene-d5	8.898	82	1023742	67.46	ng	0.00
42) 2,4,6-Tribromophenol	15.862	330	394639	96.30	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	1988792	63.75	ng	0.00
79) Terphenyl-d14	19.739	244	1784839	61.94	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.945	94	34728	2.41	ng	82
50) Dimethylphthalate	13.833	163	64446	2.08	ng	100
52) Acenaphthene	14.439	154	203618	7.95	ng	99
55) Dibenzofuran	14.774	168	177255	4.40	ng	98
58) Fluorene	15.421	166	277177	8.49	ng	100
71) Phenanthrene	17.162	178	6498666	147.08	ng	98
72) Anthracene	17.245	178	669222	15.59	ng	100
73) Carbazole	17.515	167	608813	14.41	ng	100
75) Fluoranthene	19.186	202	11082873	227.06	ng	93
78) Pyrene	19.545	202	8661661	221.00	ng	94
81) Benzo(a)anthracene	21.280	228	3581315	94.79	ng	96
83) Chrysene	21.333	228	4135633	109.40	ng	97
84) Bis(2-ethylhexyl)phtha...	21.209	149	21229	4.48	ng	# 96
87) Indeno(1,2,3-cd)pyrene	25.809	276	2607016	61.44	ng	96
88) Benzo(b)fluoranthene	22.868	252	5626561	149.08	ng	98
89) Benzo(k)fluoranthene	22.909	252	1697196m	46.28	ng	
90) Benzo(a)pyrene	23.444	252	3608094	105.54	ng	98
91) Dibenzo(a,h)anthracene	25.809	278	617605m	17.00	ng	
92) Benzo(g,h,i)perylene	26.509	276	2469303	69.39	ng	97

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

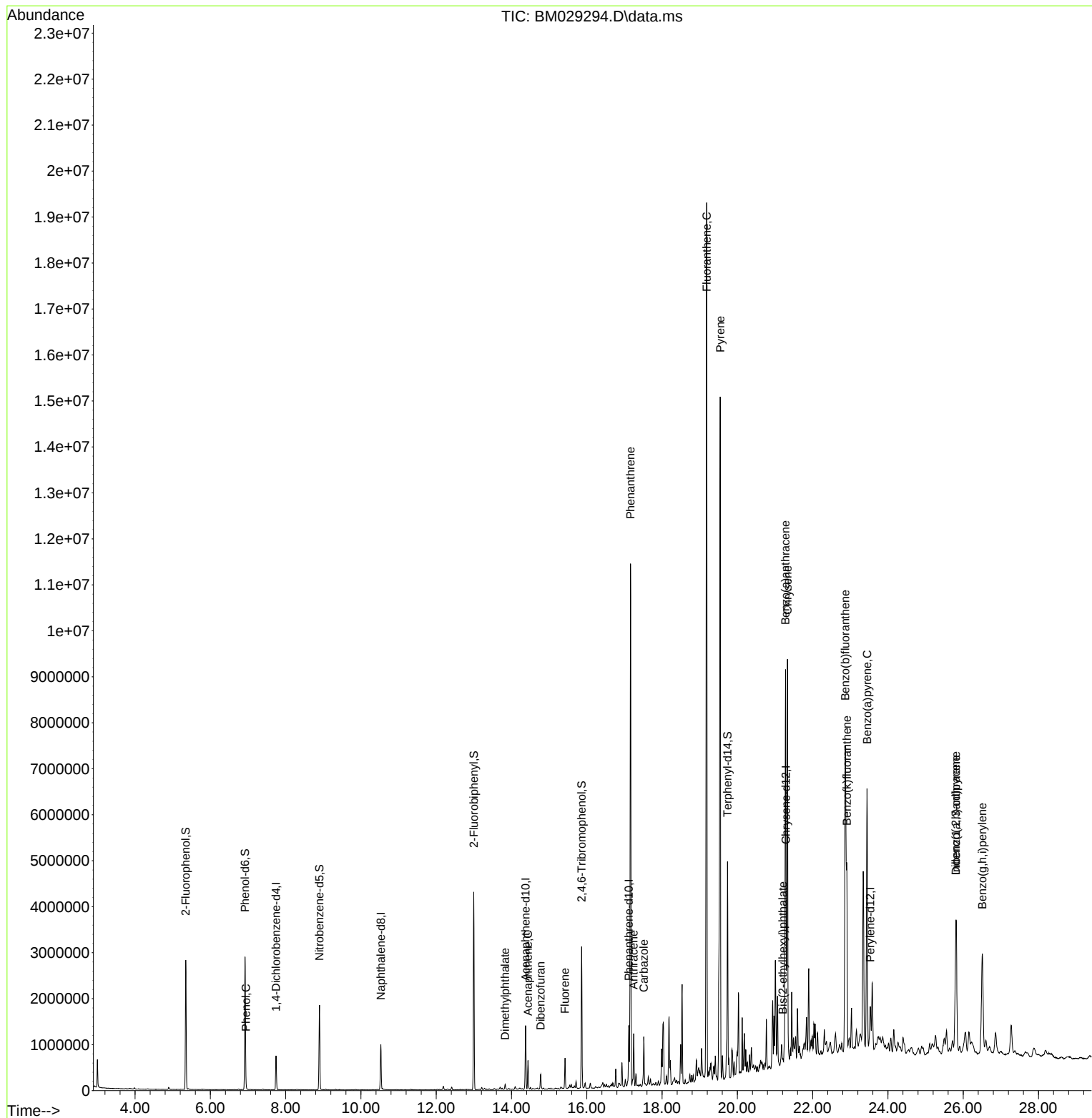
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
Data File : BM029294.D
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Misc :
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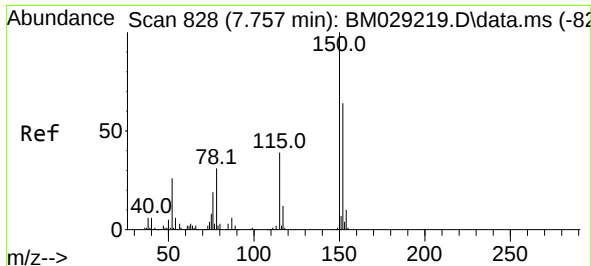
Instrument :
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BG-1-(0.0-0.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.745 min Scan# 826
Delta R.T. -0.007 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

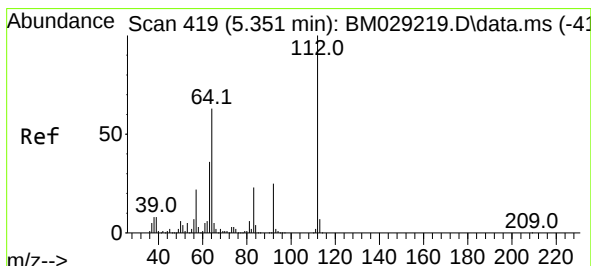
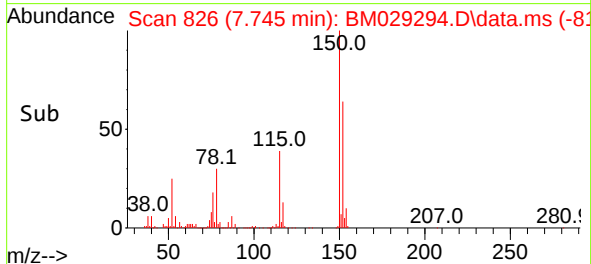
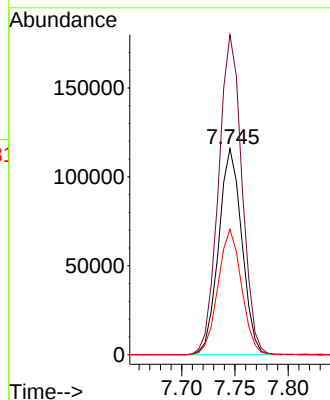
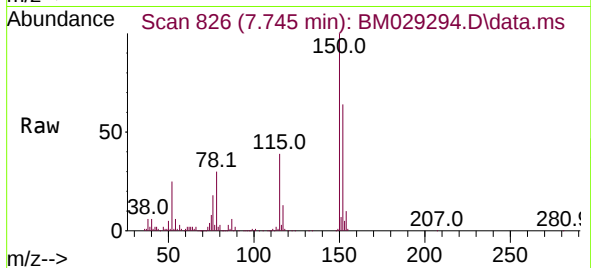
Tgt Ion:152 Resp: 175491

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.3	186.5
115	60.9	46.4	69.6

Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)

Manual Integrations
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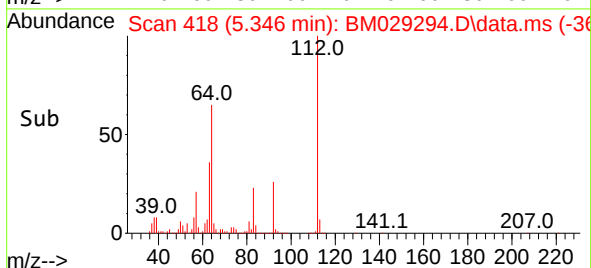
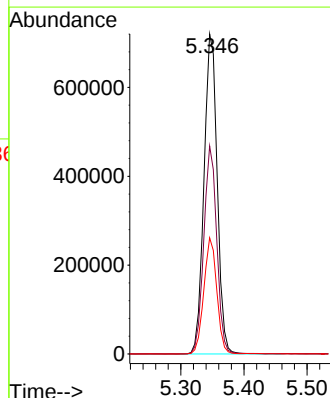
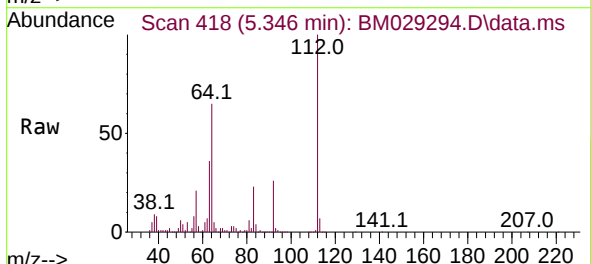
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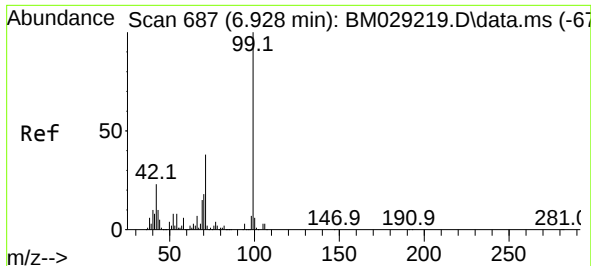


#5
2-Fluorophenol
Concen: 103.02 ng
RT: 5.346 min Scan# 418
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

Tgt Ion:112 Resp: 1048873

Ion	Ratio	Lower	Upper
112	100		
64	65.0	51.6	77.4
63	36.3	29.0	43.4





#7
Phenol-d6
Concen: 100.58 ng
RT: 6.922 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

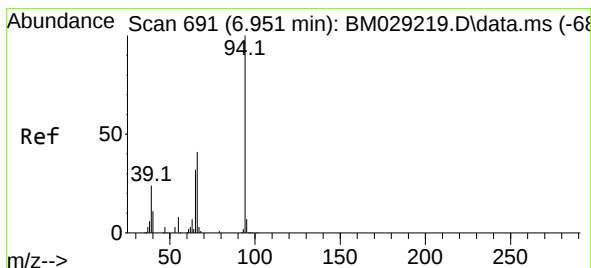
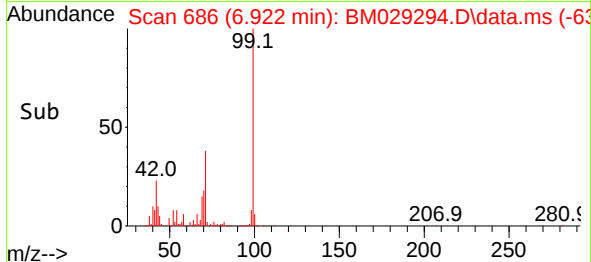
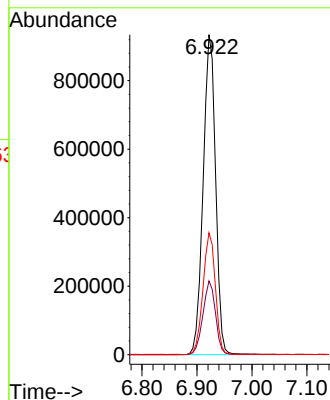
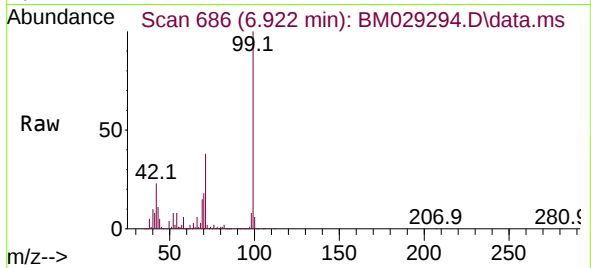
Tgt Ion: 99 Resp: 1469493

Ion	Ratio	Lower	Upper
99	100		
42	23.1	18.5	27.7
71	38.1	31.8	47.6

Instrument :
BNA_M
ClientSampleId :
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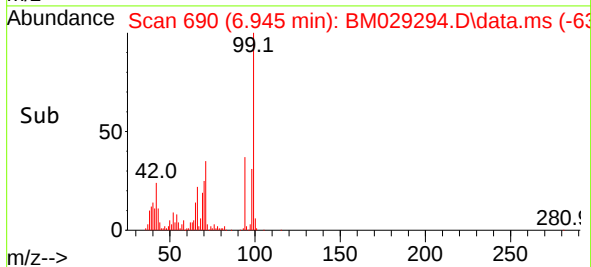
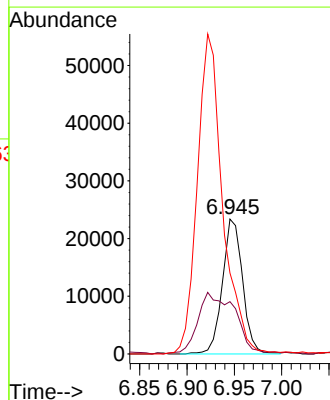
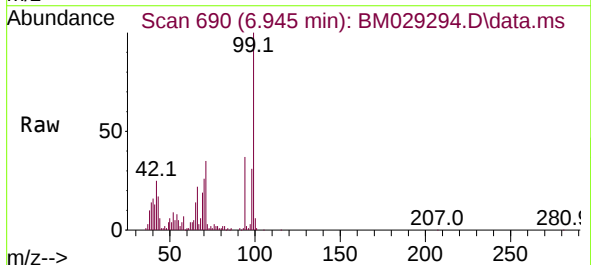
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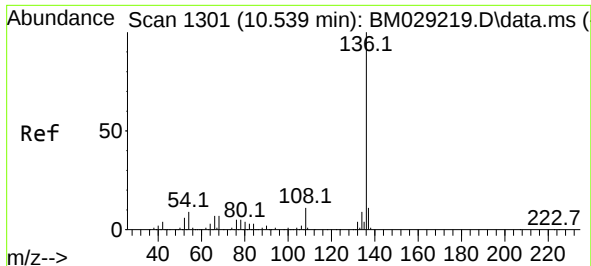


#10
Phenol
Concen: 2.41 ng
RT: 6.945 min Scan# 690
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

Tgt Ion: 94 Resp: 34728

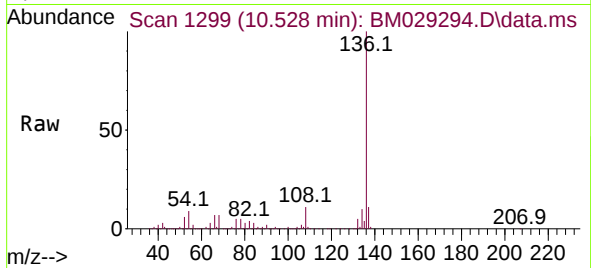
Ion	Ratio	Lower	Upper
94	100		
65	38.8	13.0	53.0
66	60.0	24.1	64.1





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.528 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

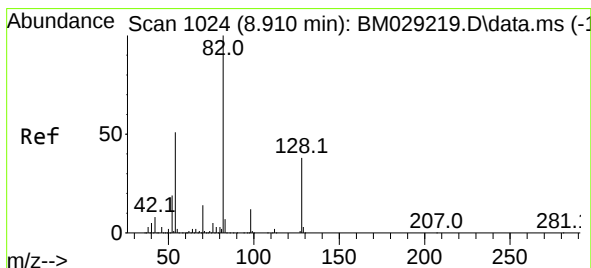
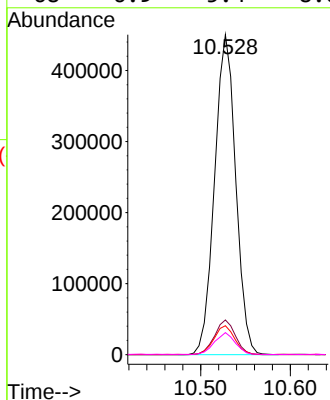
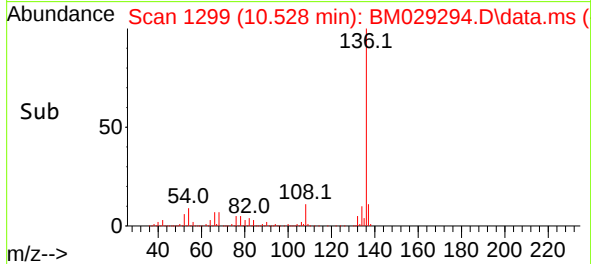
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



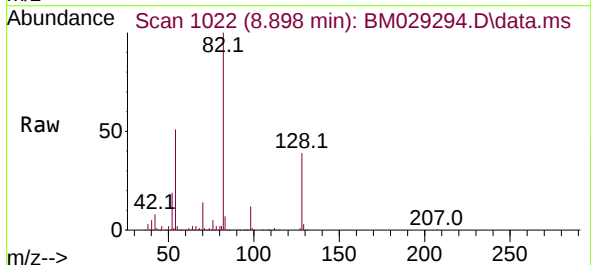
Tgt Ion: 136 Resp: 736819
Ion Ratio Lower Upper
136 100
137 10.9 9.3 13.9
54 9.1 6.9 10.3
68 6.9 5.4 8.0

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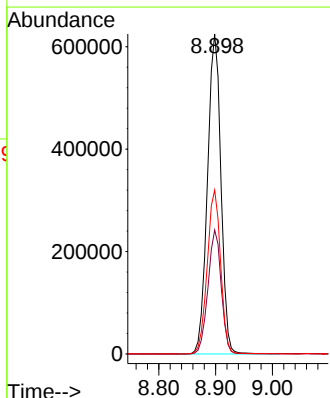
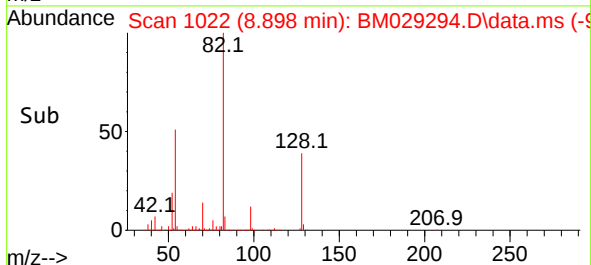
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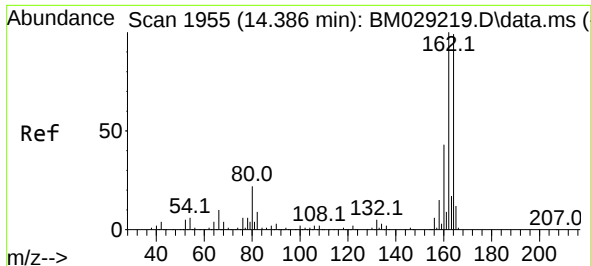


#23
Nitrobenzene-d5
Concen: 67.46 ng
RT: 8.898 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



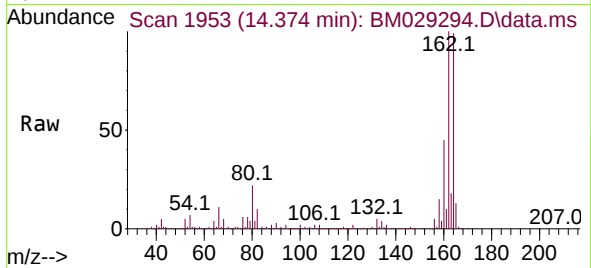
Tgt Ion: 82 Resp: 1023742
Ion Ratio Lower Upper
82 100
128 38.8 28.6 42.8
54 51.2 40.7 61.1





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

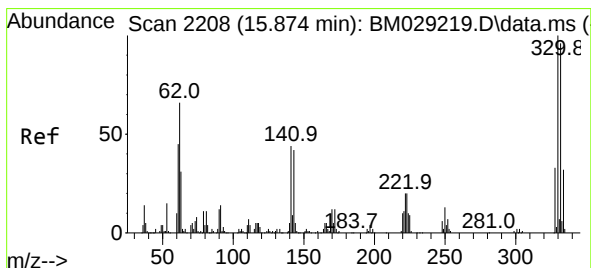
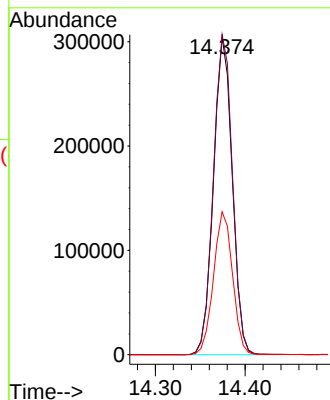
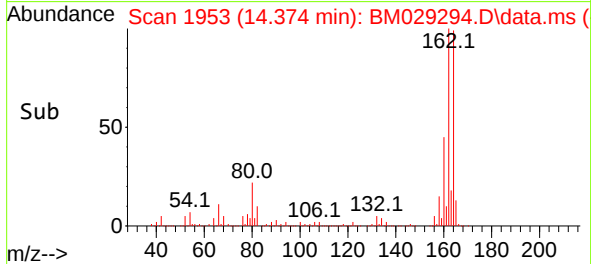
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



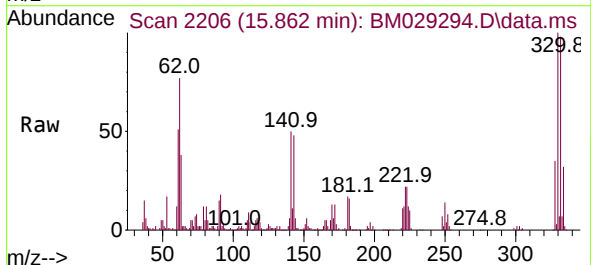
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	84.4	126.6
160	45.0	36.6	54.8

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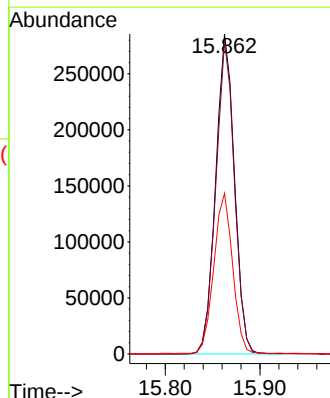
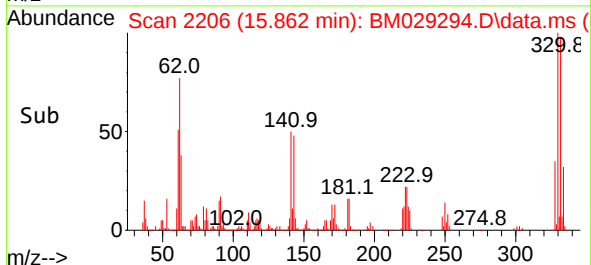
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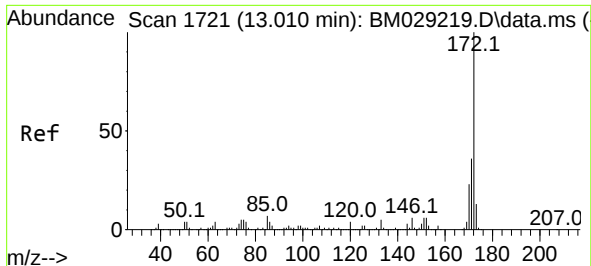


#42
2,4,6-Tribromophenol
Concen: 96.30 ng
RT: 15.862 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



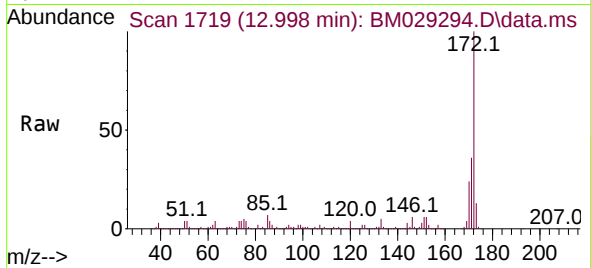
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	49.8	39.2	58.8





#45
2-Fluorobiphenyl
Concen: 63.75 ng
RT: 12.998 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

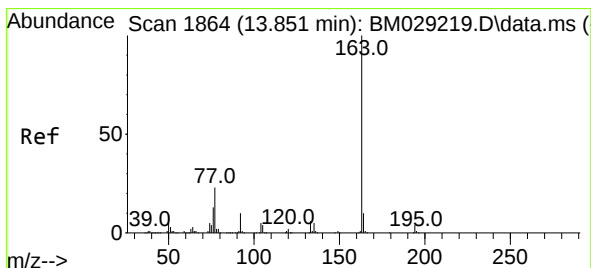
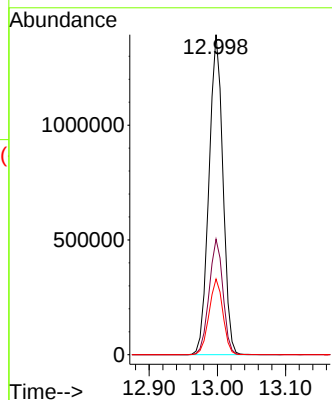
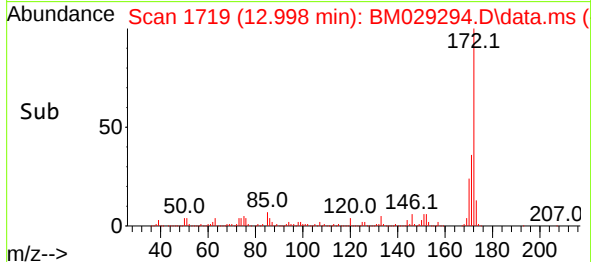
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



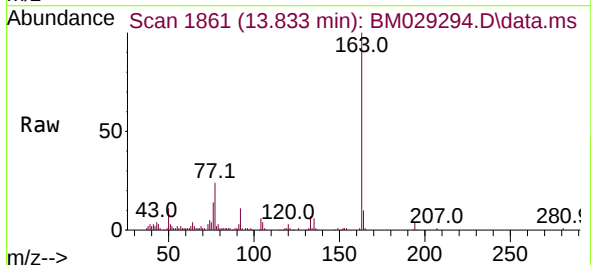
Tgt Ion:172 Resp: 1988792
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.7 18.8 28.2

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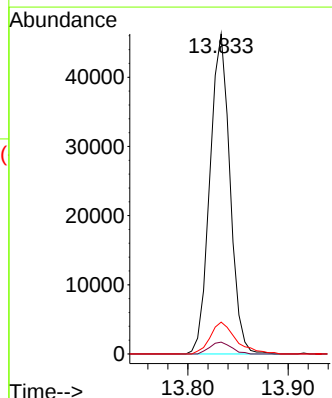
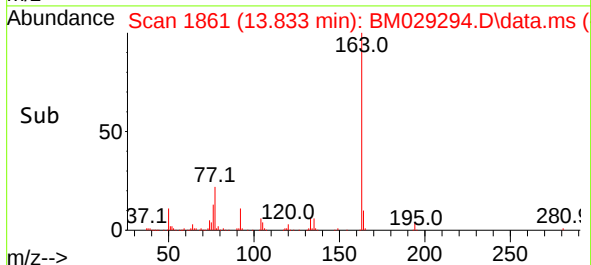
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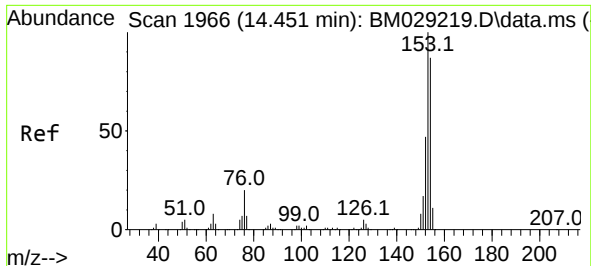


#50
Dimethylphthalate
Concen: 2.08 ng
RT: 13.833 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



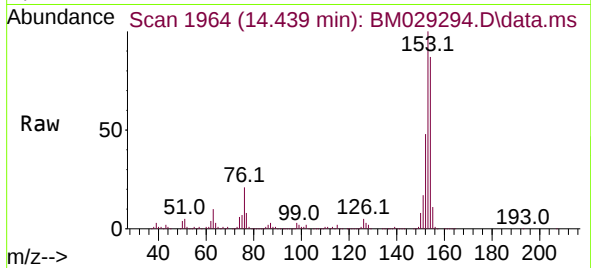
Tgt Ion:163 Resp: 64446
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.9 7.9 11.9





#52
Acenaphthene
Concen: 7.95 ng
RT: 14.439 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

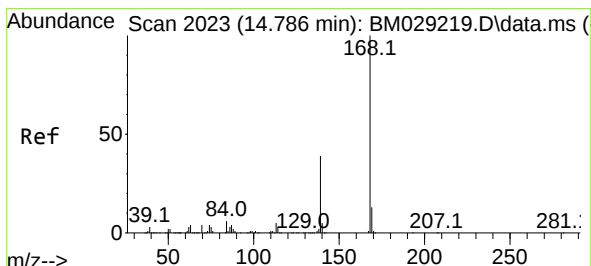
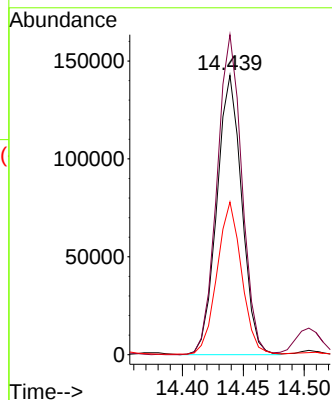
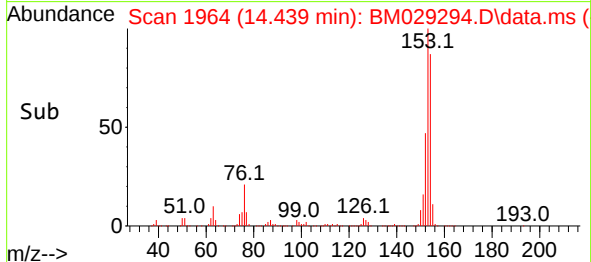
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BNA_M
ClientSampled :
BG-1-(0.0-0.5)



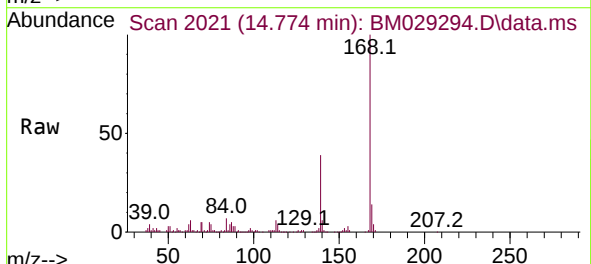
Tgt Ion:154 Resp: 203618
Ion Ratio Lower Upper
154 100
153 114.5 90.5 135.7
152 54.6 43.4 65.2

Manual Integrations
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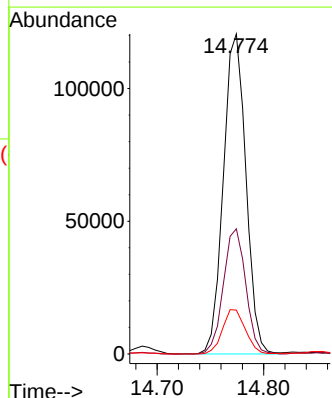
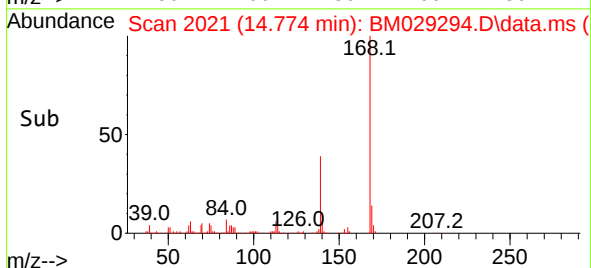
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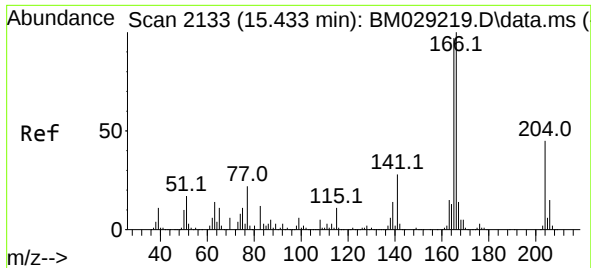


#55
Dibenzofuran
Concen: 4.40 ng
RT: 14.774 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



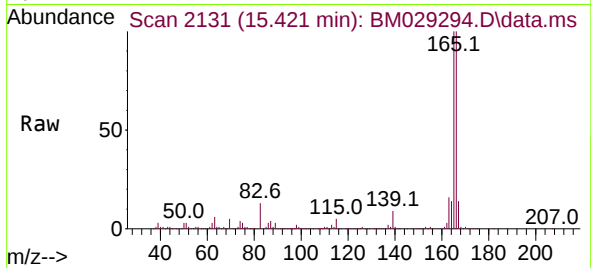
Tgt Ion:168 Resp: 177255
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 13.7 10.2 15.4





#58
Fluorene
Concen: 8.49 ng
RT: 15.421 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

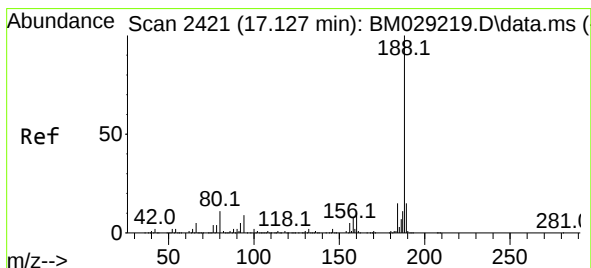
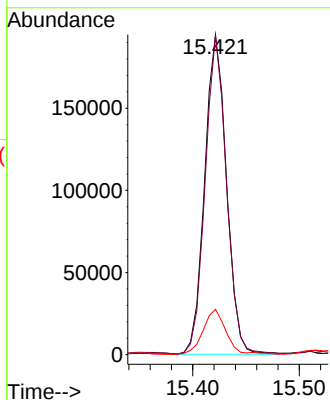
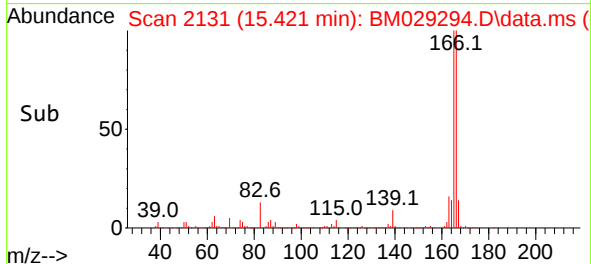
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



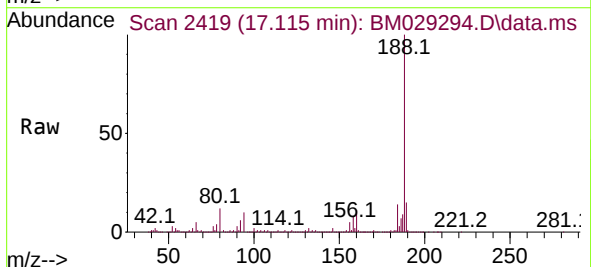
Tgt Ion:166 Resp: 277177
Ion Ratio Lower Upper
166 100
165 99.8 79.6 119.4
167 14.2 11.0 16.6

Manual Integrations
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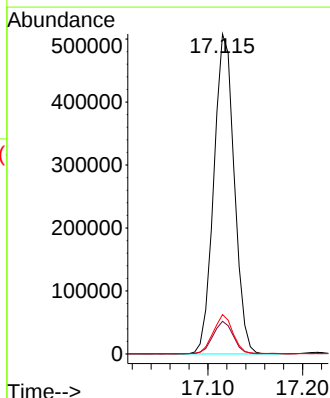
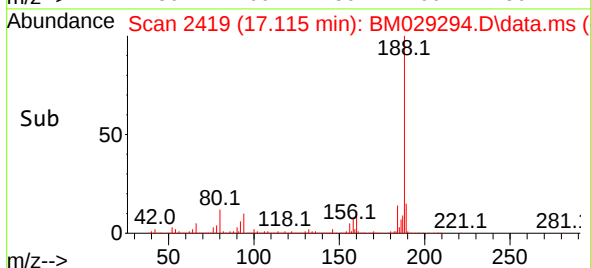
mohammad
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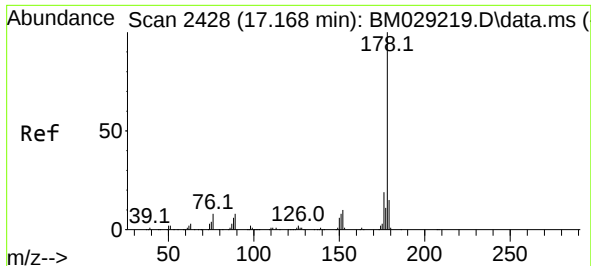


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



Tgt Ion:188 Resp: 761902
Ion Ratio Lower Upper
188 100
94 10.2 8.1 12.1
80 12.3 9.2 13.8





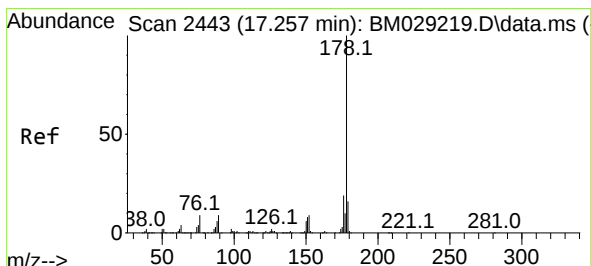
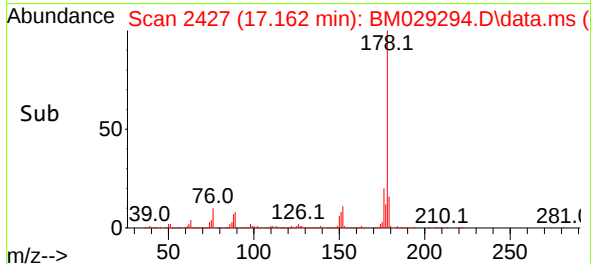
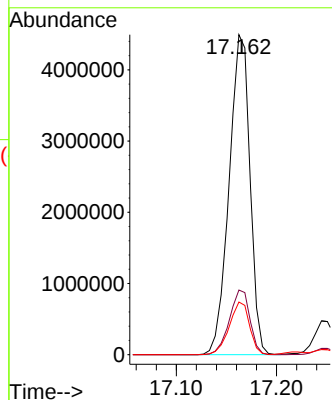
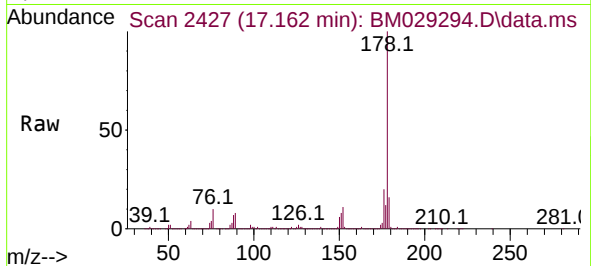
#71
Phenanthrene
Concen: 147.08 ng
RT: 17.162 min Scan# 2427
Delta R.T. 0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

Tgt Ion:178 Resp: 6498666
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 16.5 11.9 17.9

Instrument :
BNA_M
ClientSampled :
BG-1-(0.0-0.5)

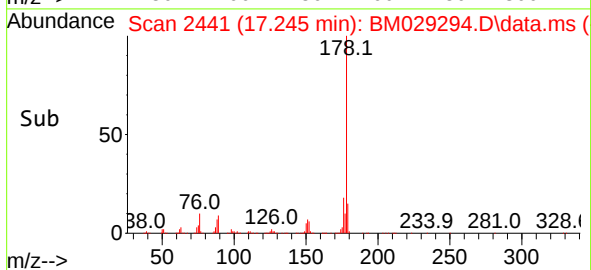
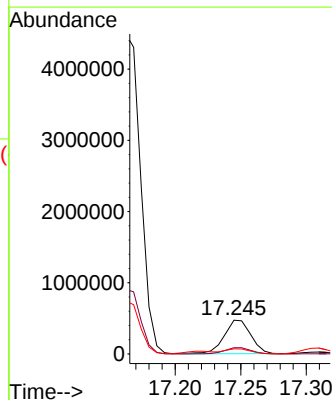
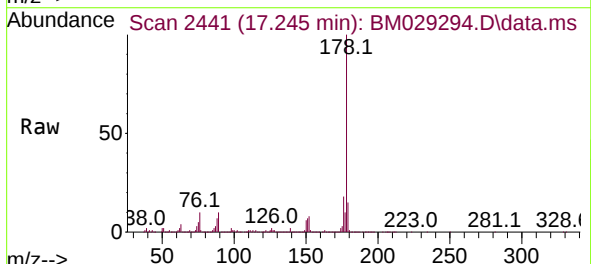
Manual Integrations
APPROVED

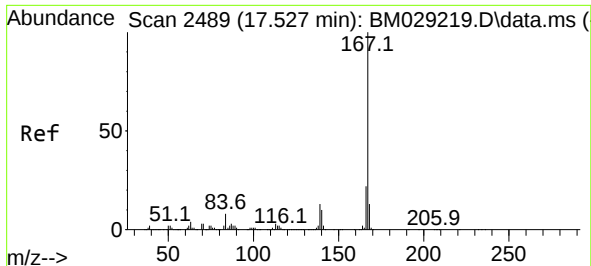
mohammad
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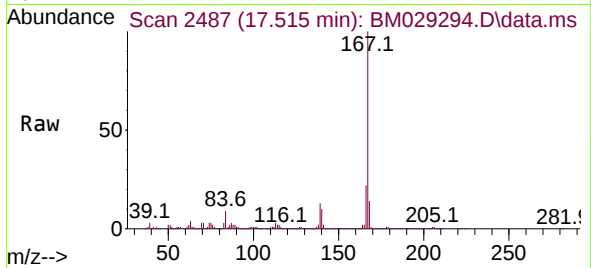
#72
Anthracene
Concen: 15.59 ng
RT: 17.245 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

Tgt Ion:178 Resp: 669222
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.2 12.1 18.1

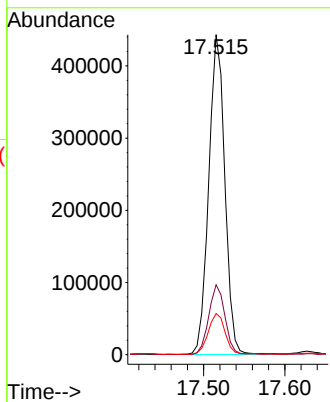
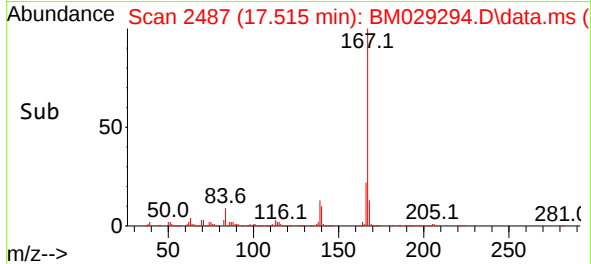




#73
 Carbazole
 Concen: 14.41 ng
 RT: 17.515 min Scan# 2487
 Delta R.T. -0.000 min
 Lab File: BM029294.D
 Acq: 31 Mar 2021 15:14



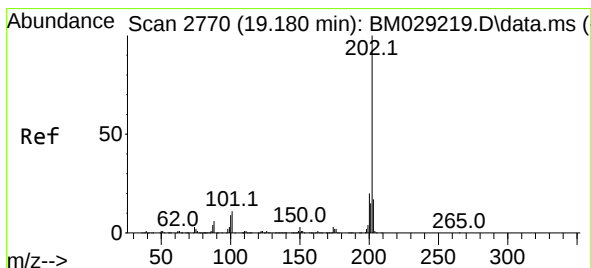
Tgt Ion:167 Resp: 608813
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 12.9 10.6 15.8



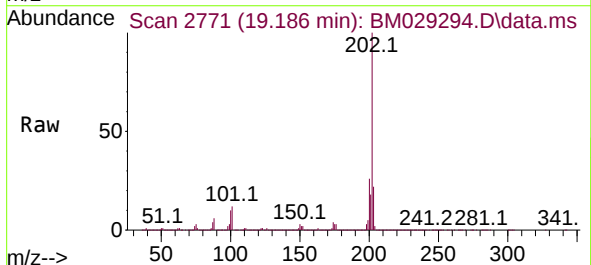
Instrument :
 BNA_M
 ClientSampleId :
 BG-1-(0.0-0.5)

Manual Integrations
 APPROVED

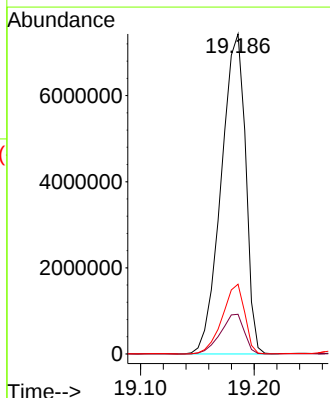
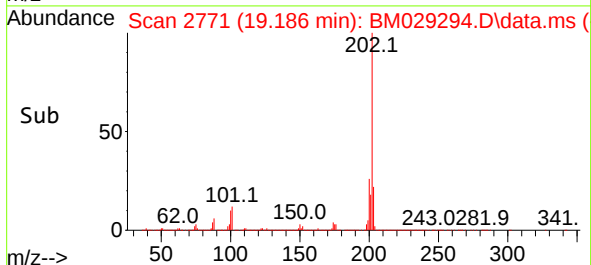
mohammad
 4/1/2021 10:51:06 AM

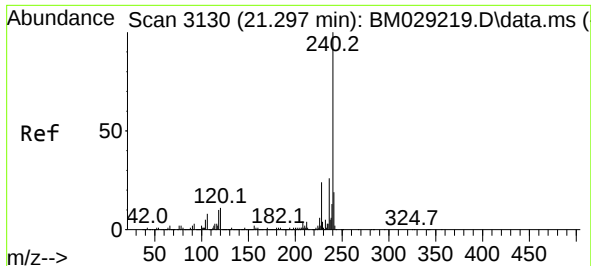


#75
 Fluoranthene
 Concen: 227.06 ng
 RT: 19.186 min Scan# 2771
 Delta R.T. 0.017 min
 Lab File: BM029294.D
 Acq: 31 Mar 2021 15:14



Tgt Ion:202 Resp:11082873
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.5
 203 21.8 0.0 37.7





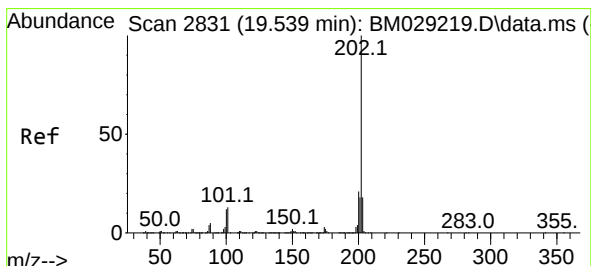
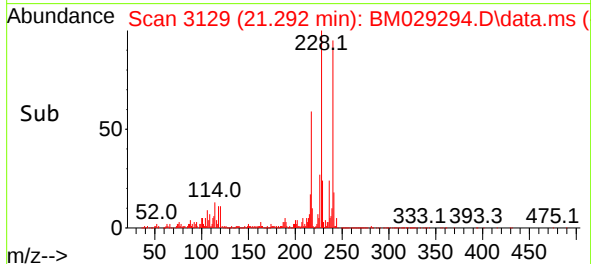
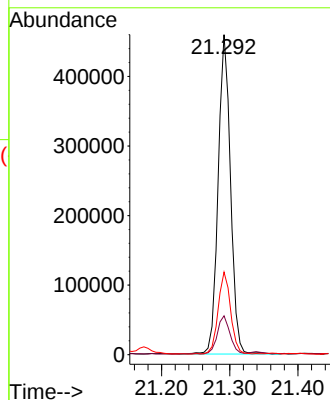
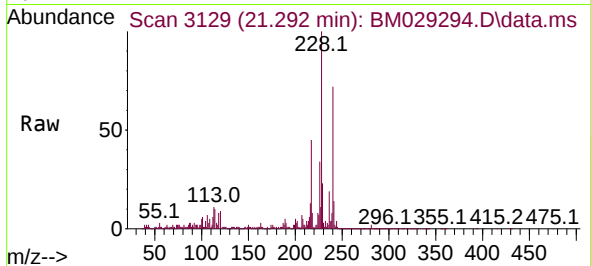
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.292 min Scan# 3129
Delta R.T. 0.006 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

Tgt Ion:240 Resp: 578909
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 25.8 20.3 30.5

Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)

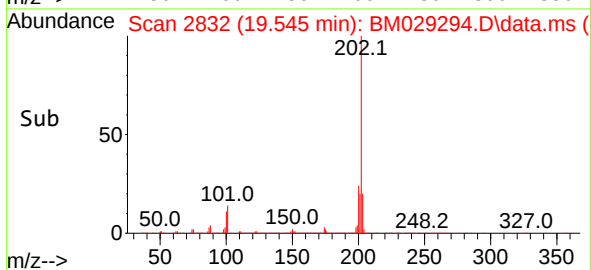
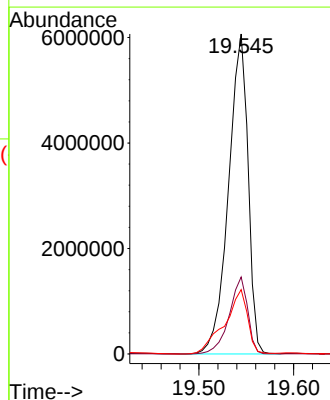
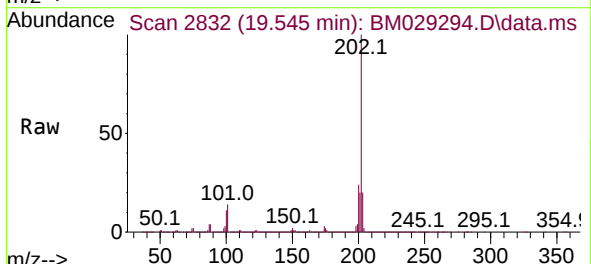
Manual Integrations
APPROVED

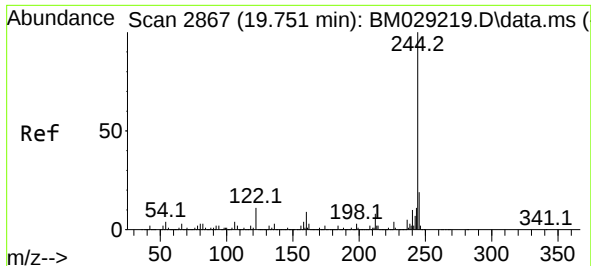
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#78
Pyrene
Concen: 221.00 ng
RT: 19.545 min Scan# 2832
Delta R.T. 0.011 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

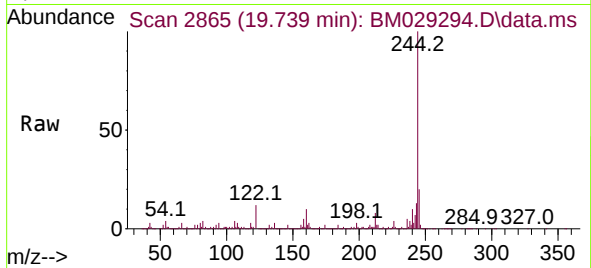
Tgt Ion:202 Resp: 8661661
Ion Ratio Lower Upper
202 100
200 24.0 17.0 25.6
203 20.1 14.1 21.1





#79
Terphenyl-d14
Concen: 61.94 ng
RT: 19.739 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

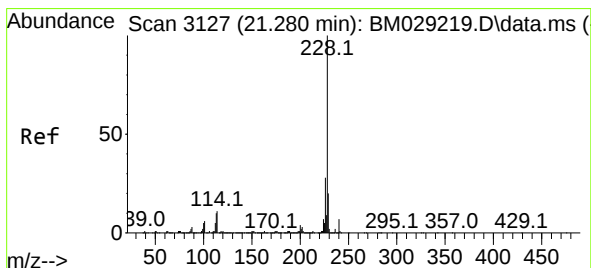
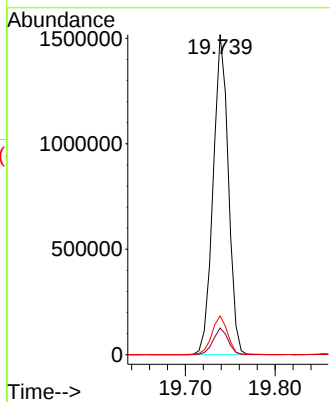
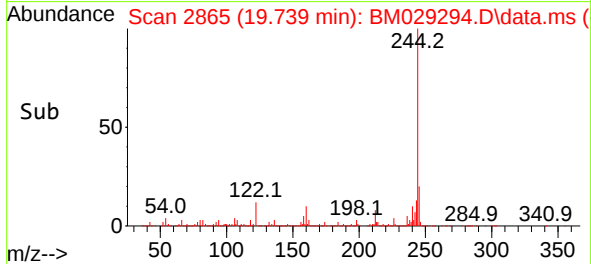
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



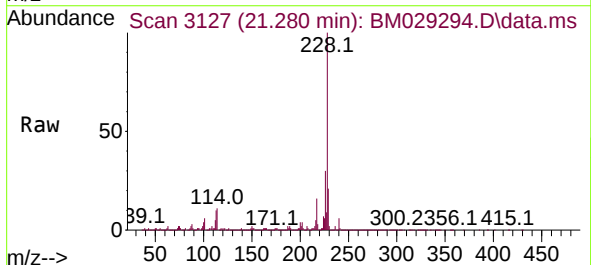
Tgt Ion:244 Resp: 1784839
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 12.1 9.2 13.8

Manual Integrations
APPROVED

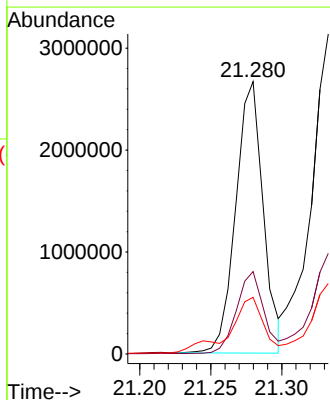
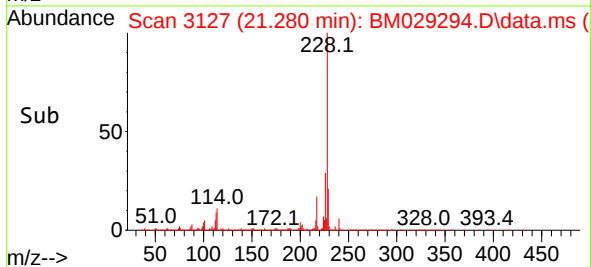
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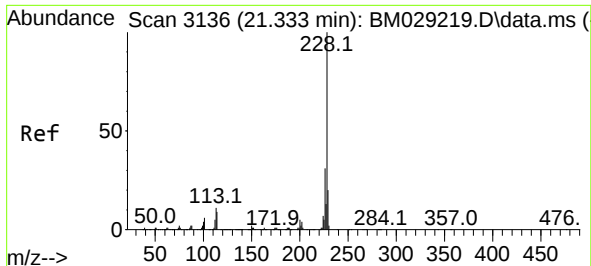


#81
Benzo(a)anthracene
Concen: 94.79 ng
RT: 21.280 min Scan# 3127
Delta R.T. 0.011 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



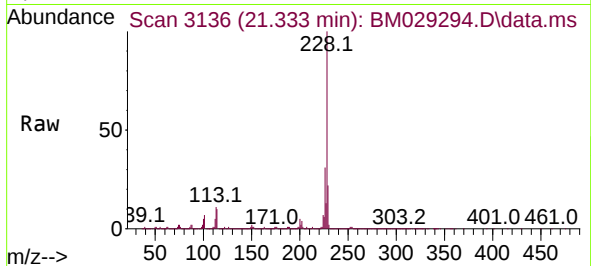
Tgt Ion:228 Resp: 3581315
Ion Ratio Lower Upper
228 100
226 30.2 21.9 32.9
229 20.8 15.7 23.5





#83
Chrysene
Concen: 109.40 ng
RT: 21.333 min Scan# 3136
Delta R.T. 0.011 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

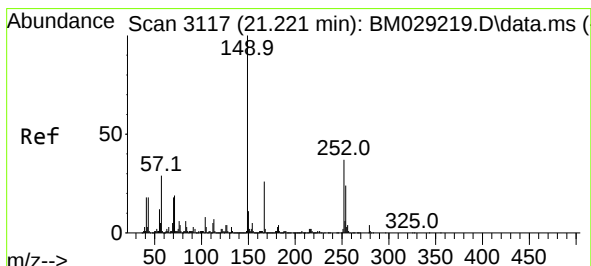
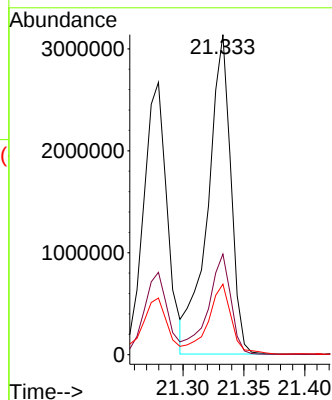
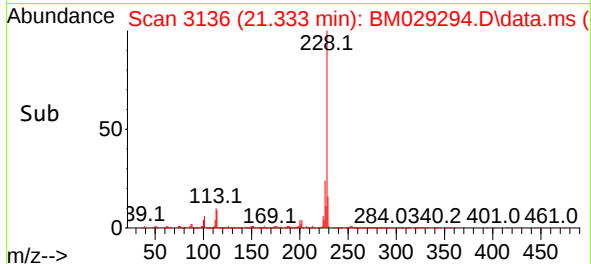
Instrument :
BNA_M
ClientSampled :
BG-1-(0.0-0.5)



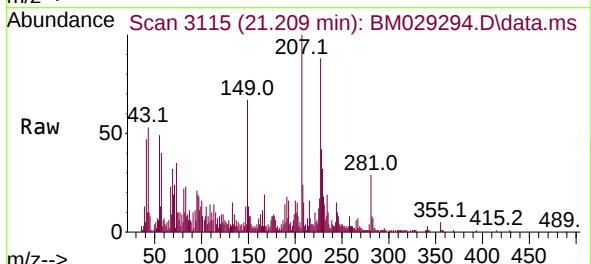
Tgt Ion:228 Resp: 4135633
Ion Ratio Lower Upper
228 100
226 31.4 24.7 37.1
229 22.1 15.8 23.6

Manual Integrations
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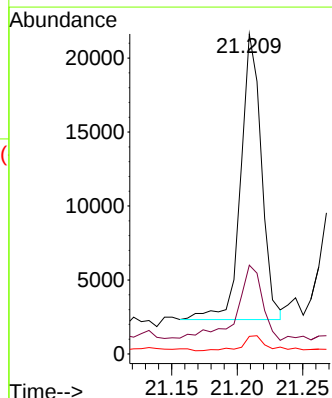
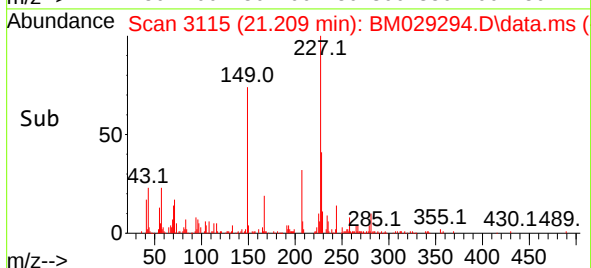
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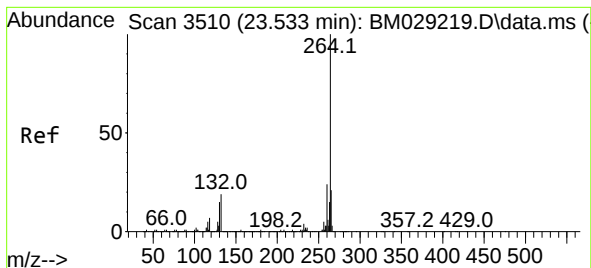


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.48 ng
RT: 21.209 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



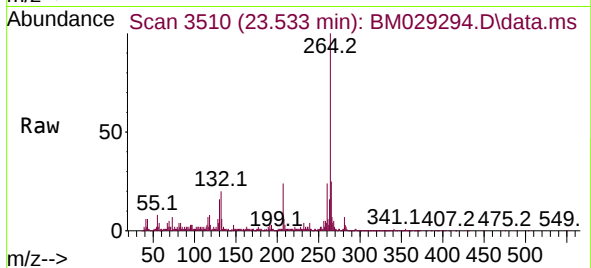
Tgt Ion:149 Resp: 21229
Ion Ratio Lower Upper
149 100
167 27.7 20.6 31.0
279 5.5 3.3 4.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.533 min Scan# 3510
Delta R.T. 0.011 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

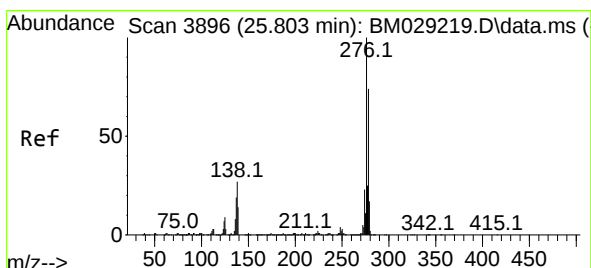
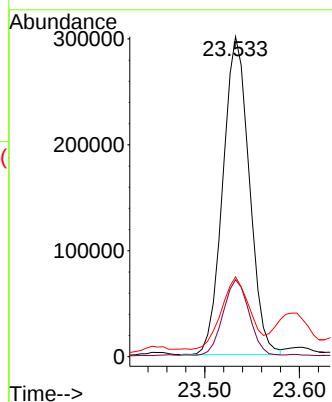
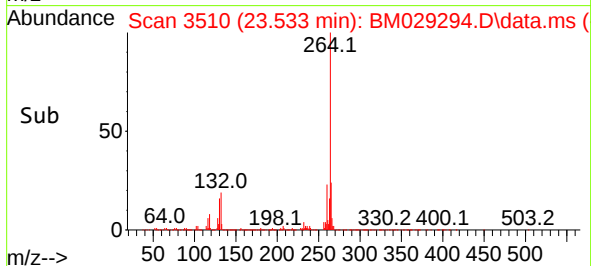
Instrument :
BNA_M
ClientSampled :
BG-1-(0.0-0.5)



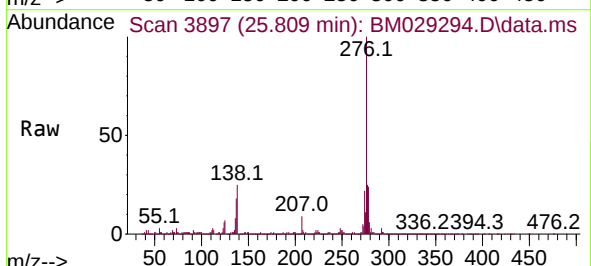
Tgt Ion:264 Resp: 580142
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 24.9 17.8 26.8

Manual Integrations
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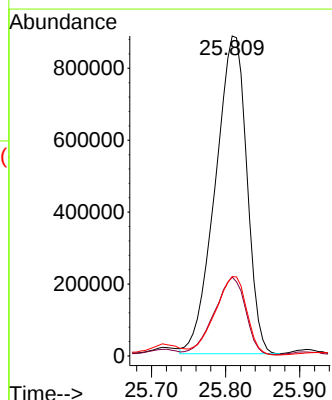
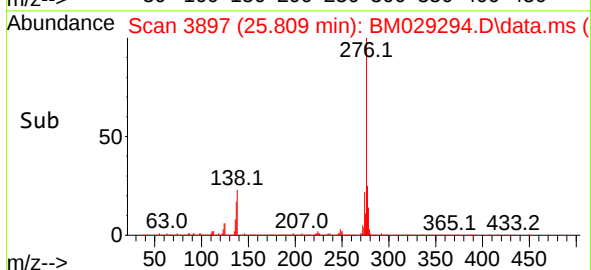
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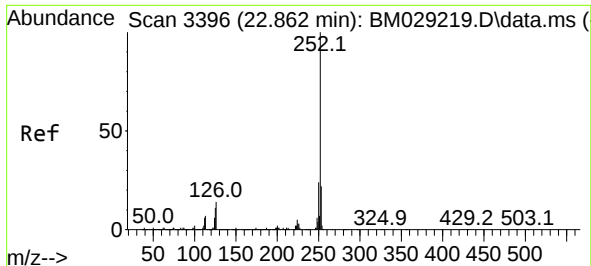


#87
Indeno(1,2,3-cd)pyrene
Concen: 61.44 ng
RT: 25.809 min Scan# 3897
Delta R.T. 0.029 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



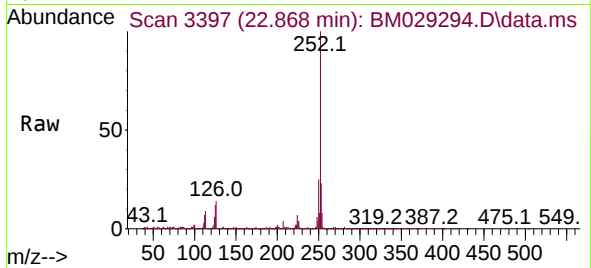
Tgt Ion:276 Resp: 2607016
Ion Ratio Lower Upper
276 100
138 24.3 22.6 34.0
277 24.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 149.08 ng
RT: 22.868 min Scan# 3397
Delta R.T. 0.023 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

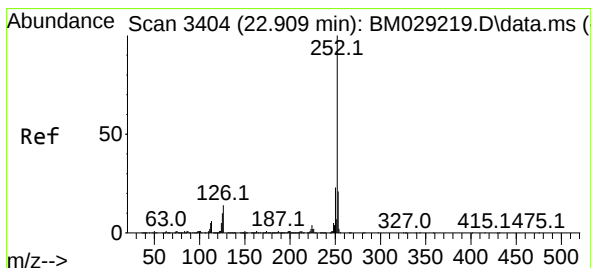
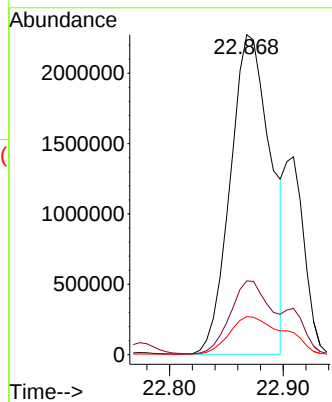
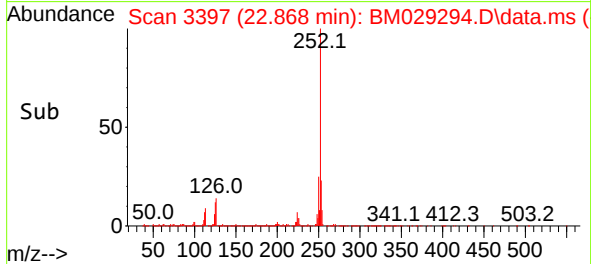
Instrument :
BNA_M
ClientSampled :
BG-1-(0.0-0.5)



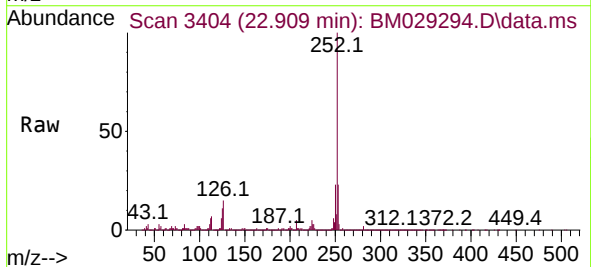
Tgt Ion:252 Resp: 5626561
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 11.9 9.0 13.4

Manual Integrations
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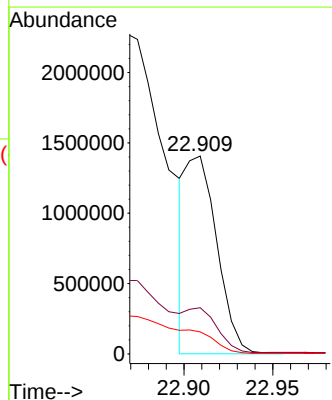
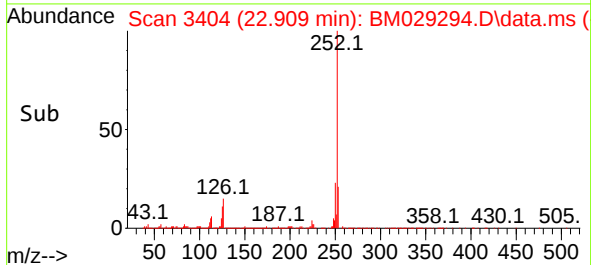
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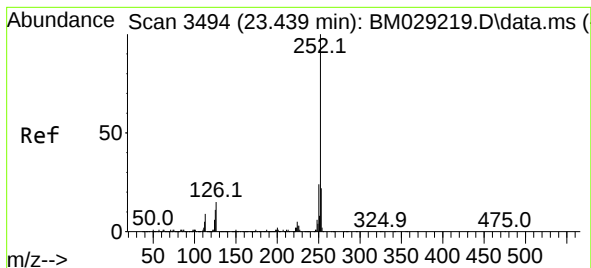


#89
Benzo(k)fluoranthene
Concen: 46.28 ng m
RT: 22.909 min Scan# 3404
Delta R.T. 0.017 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



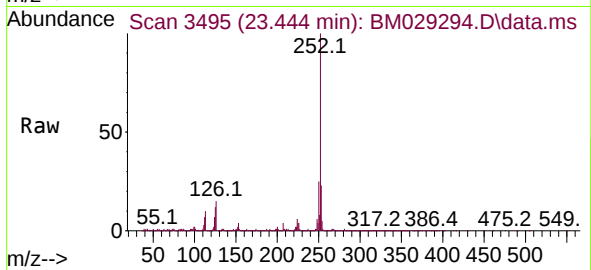
Tgt Ion:252 Resp: 1697196
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.2 8.7 13.1





#90
Benzo(a)pyrene
Concen: 105.54 ng
RT: 23.444 min Scan# 3495
Delta R.T. 0.023 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14

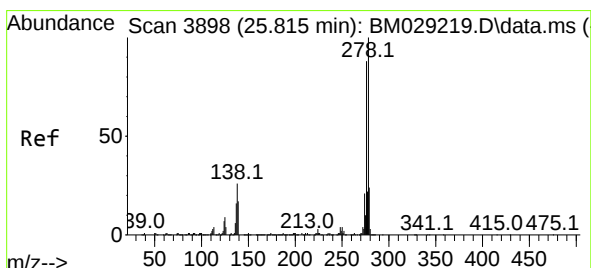
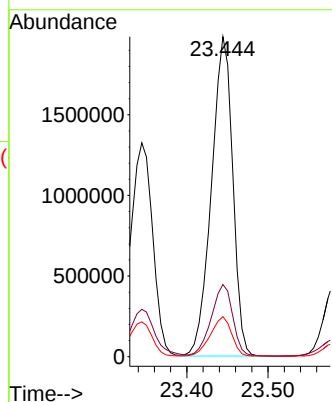
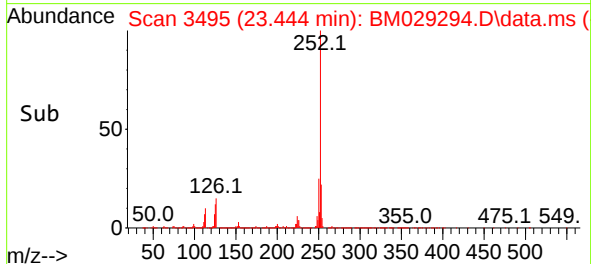
Instrument :
BNA_M
ClientSampleId :
BG-1-(0.0-0.5)



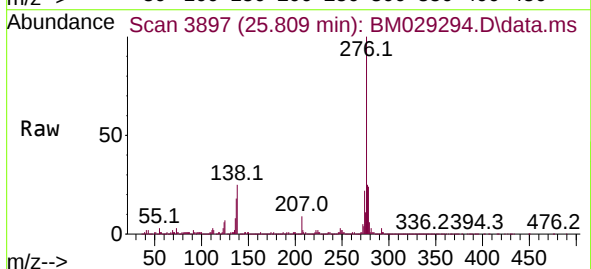
Tgt Ion:252 Resp: 3608094
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 12.5 9.5 14.3

Manual Integrations
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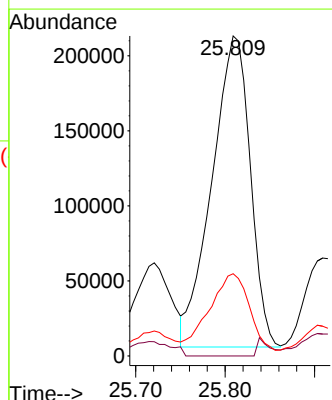
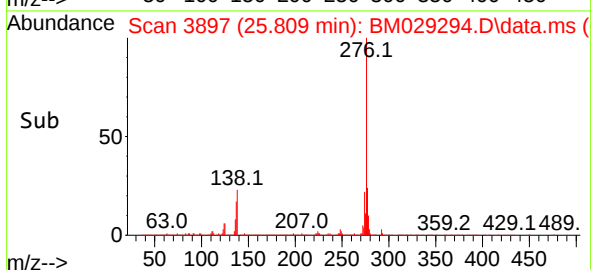
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4/1/2021 10:51:06 AM

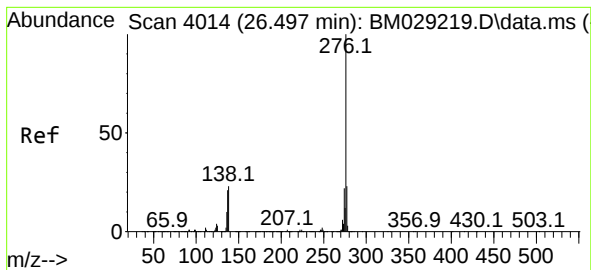


#91
Dibenzo(a,h)anthracene
Concen: 17.00 ng m
RT: 25.809 min Scan# 3897
Delta R.T. 0.017 min
Lab File: BM029294.D
Acq: 31 Mar 2021 15:14



Tgt Ion:278 Resp: 617605
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 25.7 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 69.39 ng
 RT: 26.509 min Scan# 4016
 Delta R.T. 0.035 min
 Lab File: BM029294.D
 Acq: 31 Mar 2021 15:14

Tgt Ion: 276 Resp: 2469303

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.7	28.1
138	25.8	19.0	28.4

Instrument :
 BNA_M
 ClientSampleId :
 BG-1-(0.0-0.5)

Manual Integrations
 APPROVED

mohammad
 4/1/2021 10:51:06 AM

