

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033121\
 Data File : BM029299.D
 Acq On : 31 Mar 2021 18:19
 Operator : CG/JU
 Sample : M1720-03DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BG-3-(0.0-0.5)DL

Manual Integrations
 APPROVED

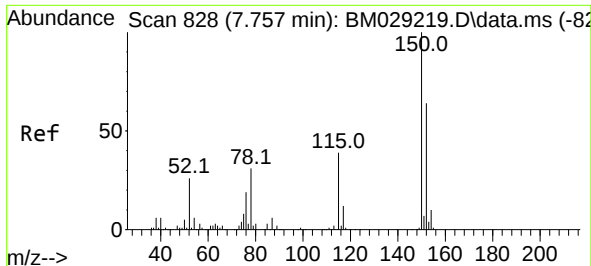
mohammad
 4/1/2021 10:51:16 AM

Quant Time: Mar 31 18:54:36 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

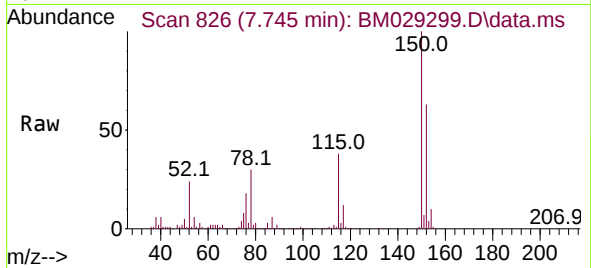
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	188813	20.00	ng	0.00
21) Naphthalene-d8	10.527	136	765842	20.00	ng	0.00
39) Acenaphthene-d10	14.374	164	462255	20.00	ng	0.00
64) Phenanthrene-d10	17.115	188	828679	20.00	ng	0.00
76) Chrysene-d12	21.291	240	611482	20.00	ng	0.00
86) Perylene-d12	23.532	264	609372	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	217778	19.88	ng	0.00
7) Phenol-d6	6.922	99	293569	18.68	ng	0.00
23) Nitrobenzene-d5	8.898	82	210541	13.35	ng	0.00
42) 2,4,6-Tribromophenol	15.862	330	76972	17.98	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	375489	11.52	ng	0.00
79) Terphenyl-d14	19.739	244	331182	10.88	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.769	122	2132m	4.75	ng	
52) Acenaphthene	14.439	154	66369	2.48	ng	96
58) Fluorene	15.421	166	100011	2.93	ng	98
71) Phenanthrene	17.162	178	2333579	48.56	ng	99
72) Anthracene	17.251	178	299563	6.42	ng	98
73) Carbazole	17.515	167	220589	4.80	ng	97
75) Fluoranthene	19.174	202	4143960	78.06	ng	99
78) Pyrene	19.539	202	3126221	75.51	ng	99
81) Benzo(a)anthracene	21.274	228	1277817	32.02	ng	99
83) Chrysene	21.327	228	1367149	34.24	ng	98
87) Indeno(1,2,3-cd)pyrene	25.797	276	834120	18.71	ng	96
88) Benzo(b)fluoranthene	22.862	252	1871654m	47.21	ng	
89) Benzo(k)fluoranthene	22.897	252	509319m	13.22	ng	
90) Benzo(a)pyrene	23.432	252	1164017	32.41	ng	97
91) Dibenzo(a,h)anthracene	25.797	278	202609m	5.31	ng	
92) Benzo(g,h,i)perylene	26.491	276	782557	20.94	ng	97

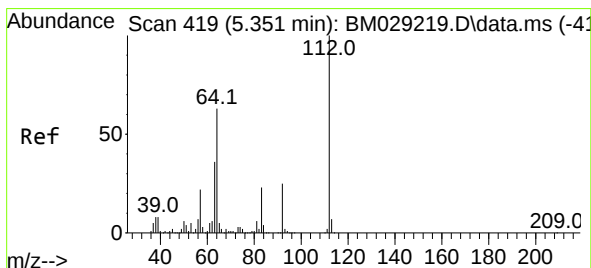
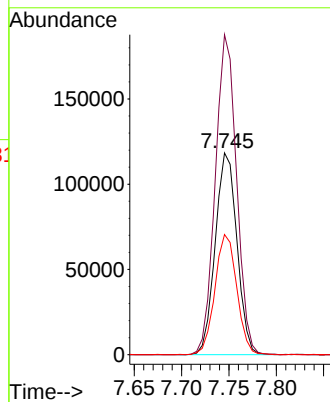
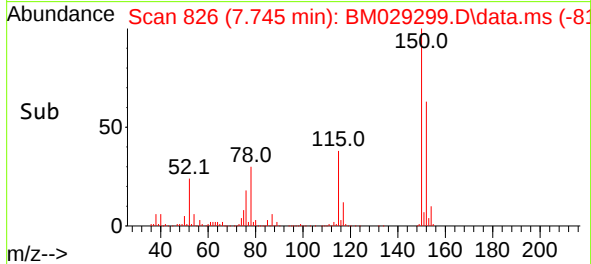
(#) = qualifier out of range (m) = manual integration (+) = signals summed



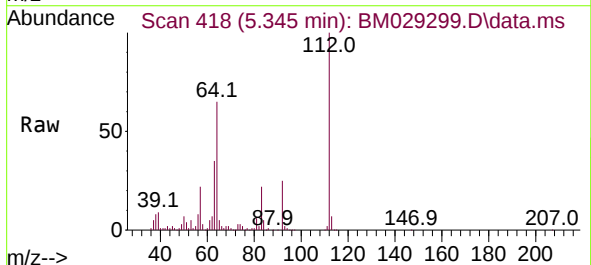
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.745 min Scan# 826
Delta R.T. -0.007 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



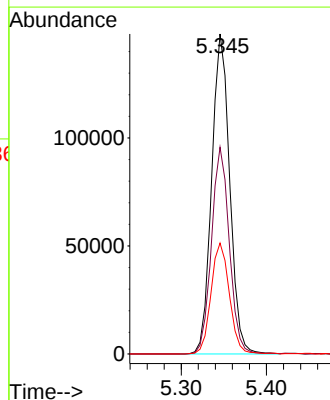
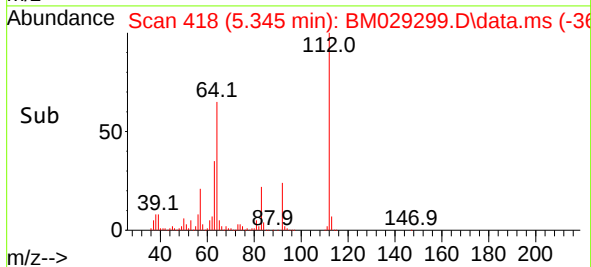
Tgt Ion:152 Resp: 188813
Ion Ratio Lower Upper
152 100
150 158.6 124.3 186.5
115 59.6 46.4 69.6



#5
2-Fluorophenol
Concen: 19.88 ng
RT: 5.345 min Scan# 418
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



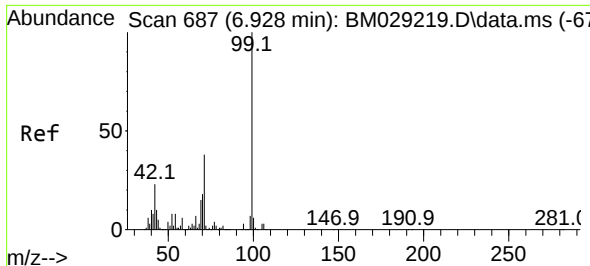
Tgt Ion:112 Resp: 217778
Ion Ratio Lower Upper
112 100
64 64.6 51.6 77.4
63 34.7 29.0 43.4



Instrument :
BNA_M
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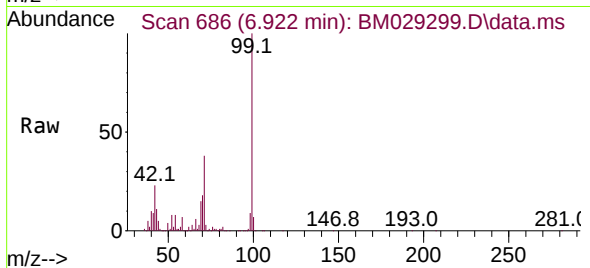
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#7
Phenol-d6
Concen: 18.68 ng
RT: 6.922 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

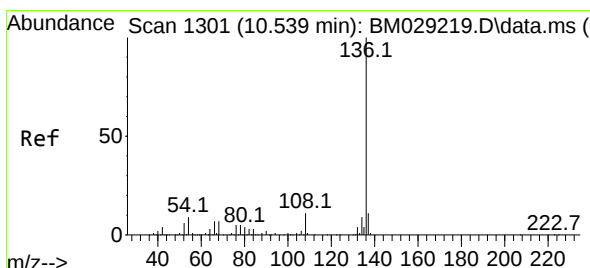
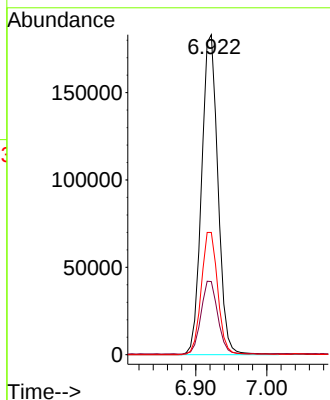
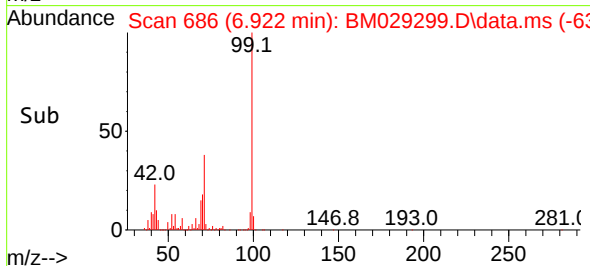
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL



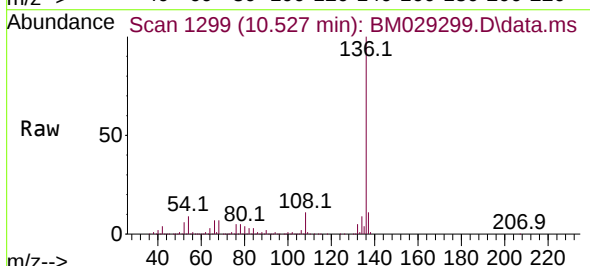
Tgt Ion:	99	Resp:	293569
Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.5	27.7
71	38.2	31.8	47.6

Manual Integrations
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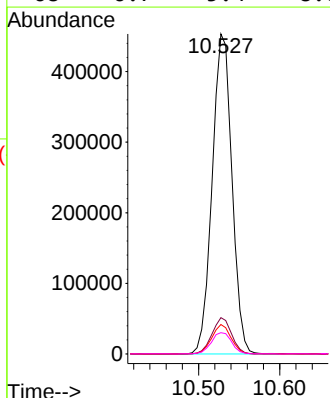
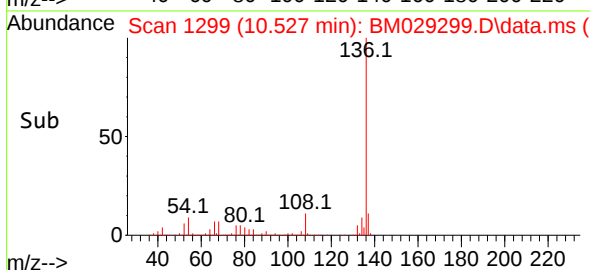
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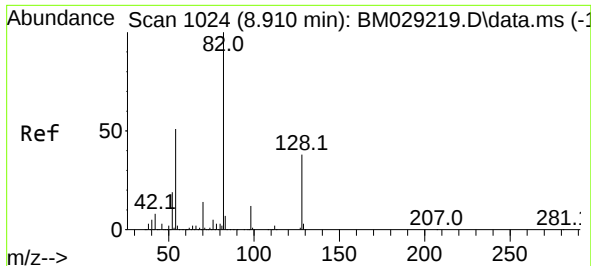


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.527 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



Tgt Ion:	136	Resp:	765842
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	9.2	6.9	10.3
68	6.7	5.4	8.0





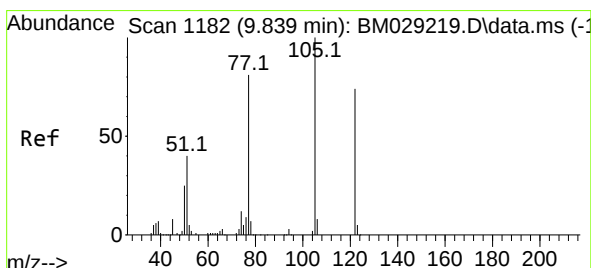
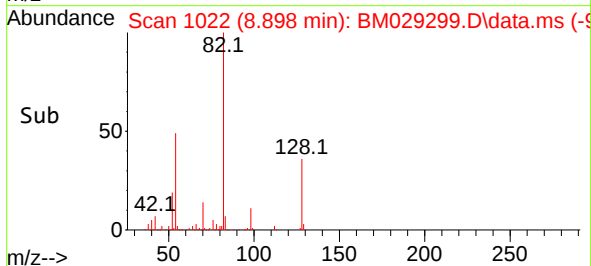
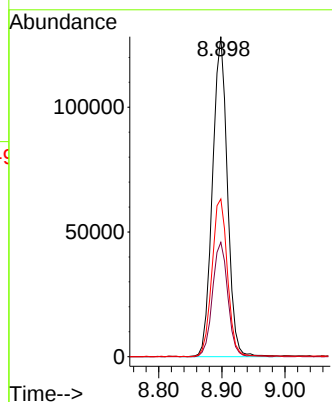
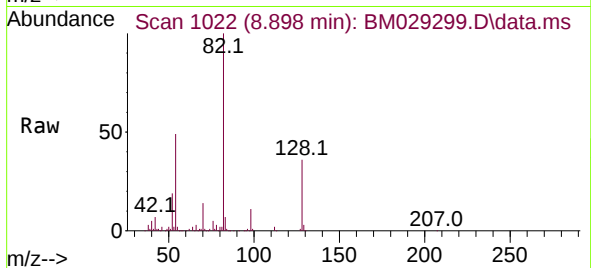
#23
Nitrobenzene-d5
Concen: 13.35 ng
RT: 8.898 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion: 82 Resp: 210541
Ion Ratio Lower Upper
82 100
128 35.7 28.6 42.8
54 49.3 40.7 61.1

Instrument :
BNA_M
ClientSampleId :
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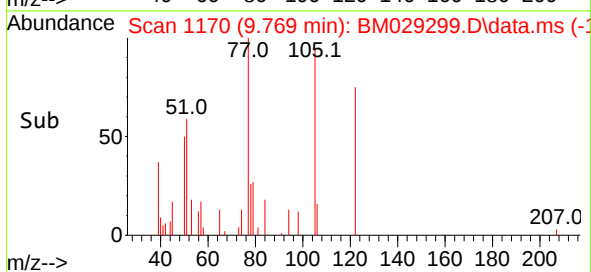
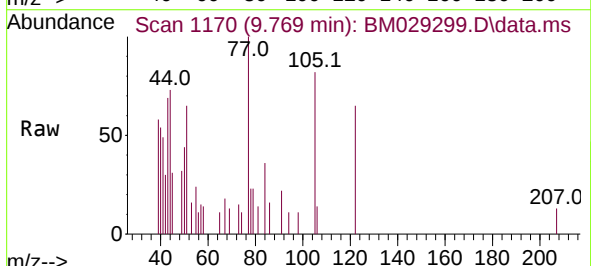
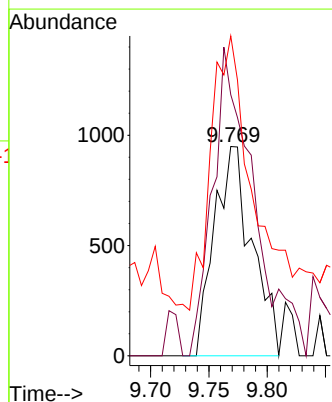
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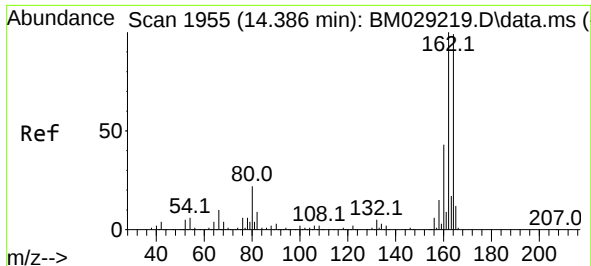
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#32
Benzoic acid
Concen: 4.75 ng m
RT: 9.769 min Scan# 1170
Delta R.T. -0.059 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

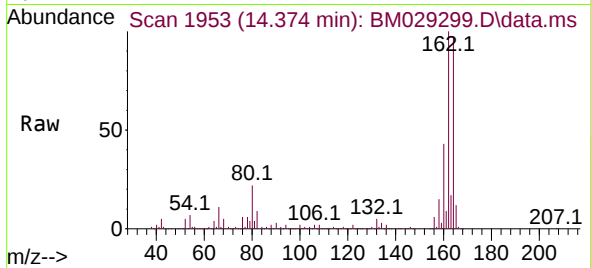
Tgt Ion:122 Resp: 2132
Ion Ratio Lower Upper
122 100
105 124.8 108.2 148.2
77 152.8 86.0 126.0#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

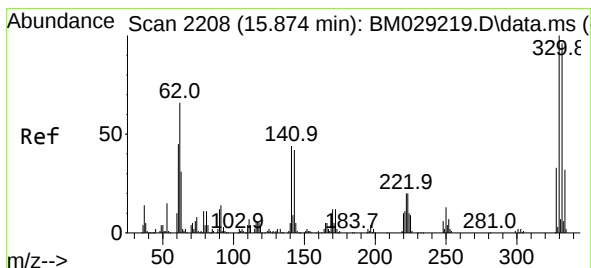
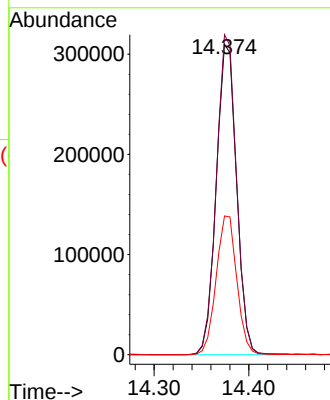
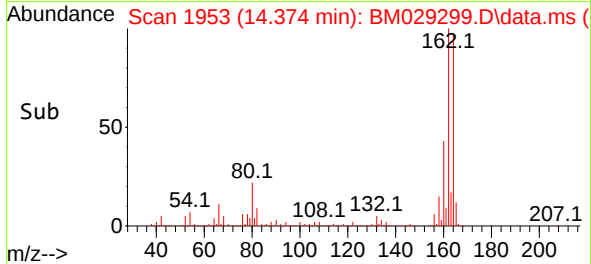
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL



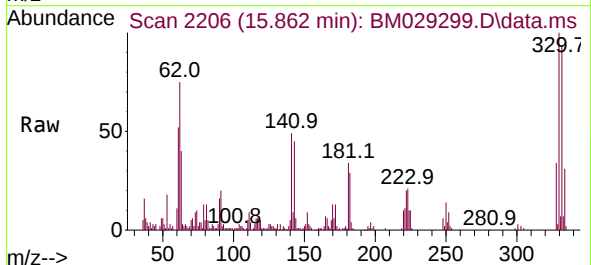
Tgt Ion:164 Resp: 462255
Ion Ratio Lower Upper
164 100
162 103.1 84.4 126.6
160 44.7 36.6 54.8

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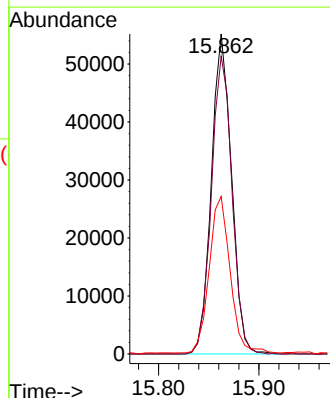
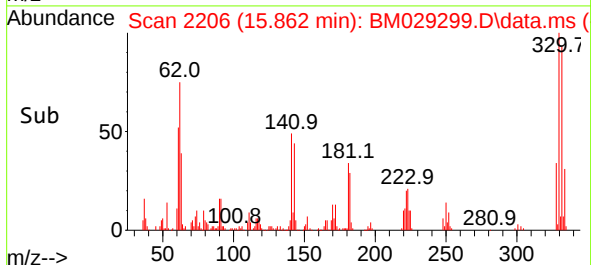
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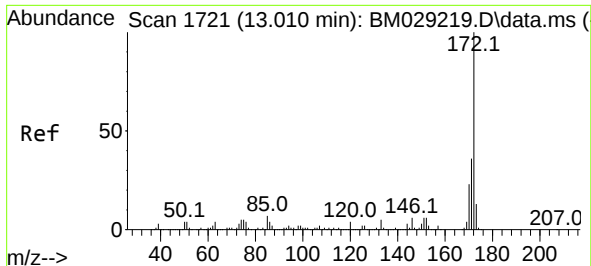


#42
2,4,6-Tribromophenol
Concen: 17.98 ng
RT: 15.862 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



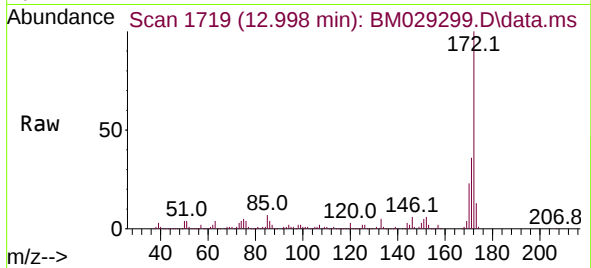
Tgt Ion:330 Resp: 76972
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 50.7 39.2 58.8





#45
2-Fluorobiphenyl
Concen: 11.52 ng
RT: 12.998 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

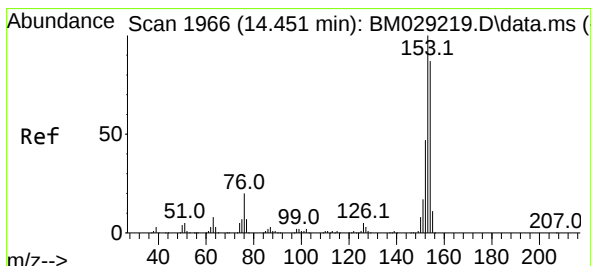
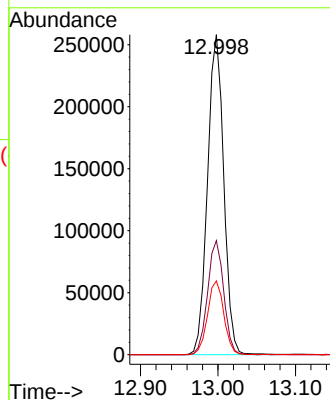
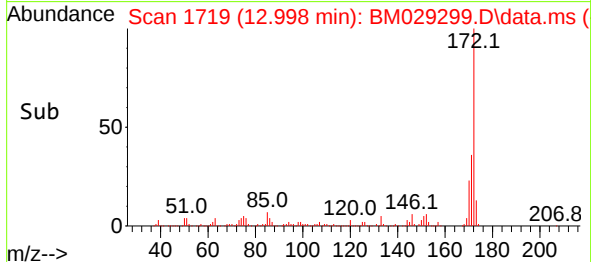
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ClientSampleId :
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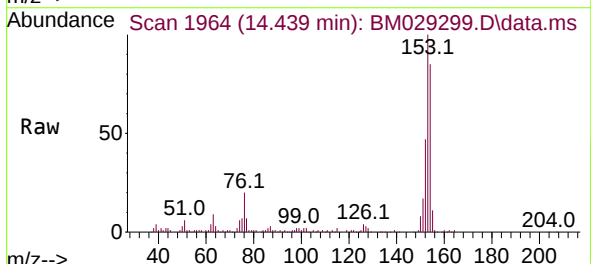
Tgt Ion:172 Resp: 375489
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.1 18.8 28.2

Manual Integrations
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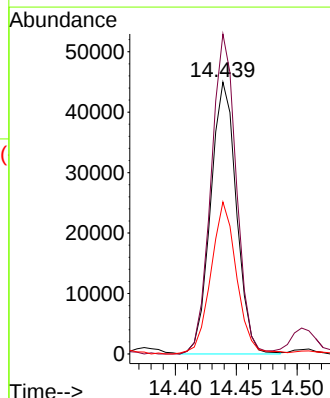
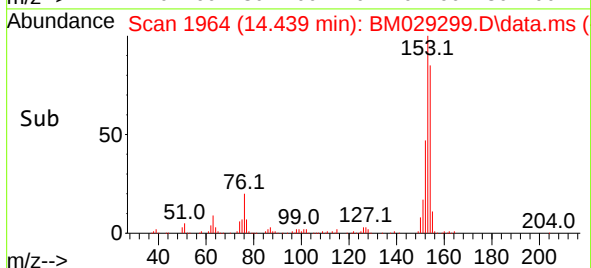
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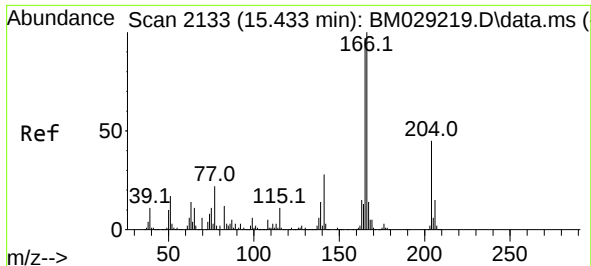


#52
Acenaphthene
Concen: 2.48 ng
RT: 14.439 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



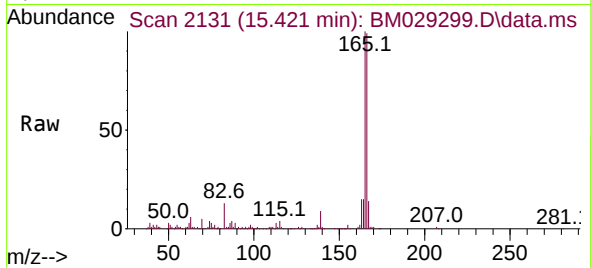
Tgt Ion:154 Resp: 66369
Ion Ratio Lower Upper
154 100
153 117.7 90.5 135.7
152 55.9 43.4 65.2





#58
Fluorene
Concen: 2.93 ng
RT: 15.421 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

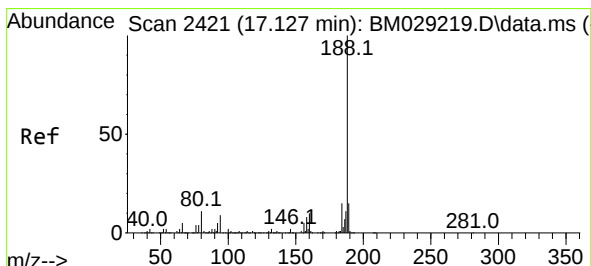
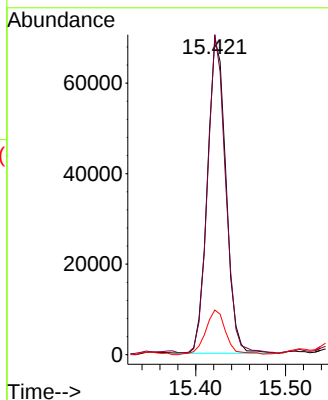
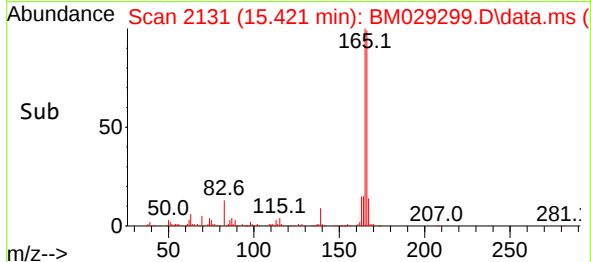
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ClientSampleId :
BG-3-(0.0-0.5)DL



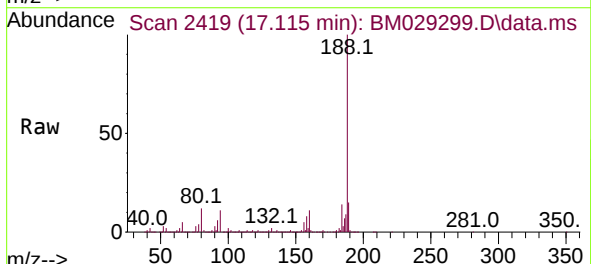
Tgt Ion:166 Resp: 100011
Ion Ratio Lower Upper
166 100
165 101.1 79.6 119.4
167 14.1 11.0 16.6

Manual Integrations
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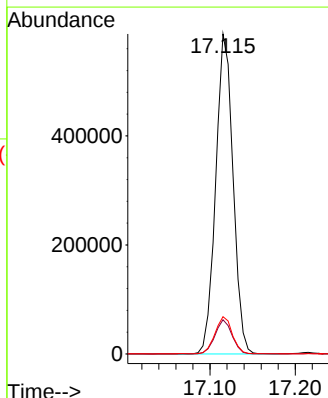
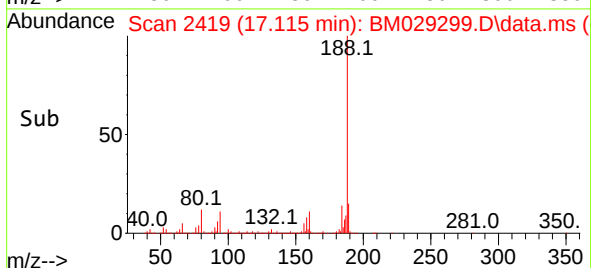
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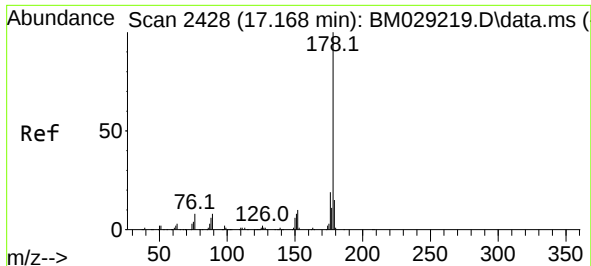


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



Tgt Ion:188 Resp: 828679
Ion Ratio Lower Upper
188 100
94 10.7 8.1 12.1
80 11.7 9.2 13.8





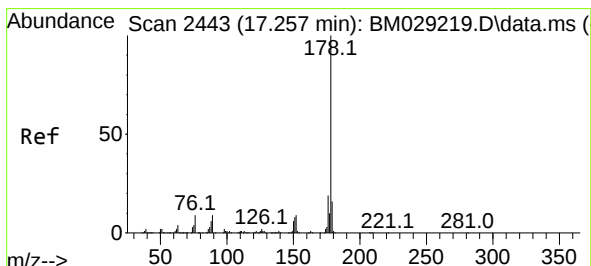
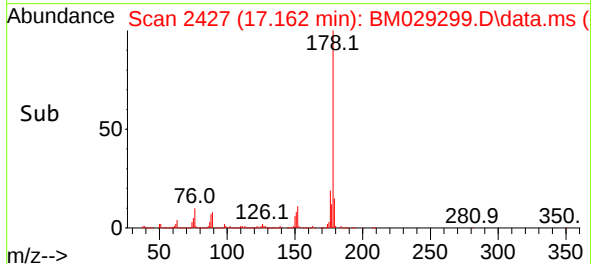
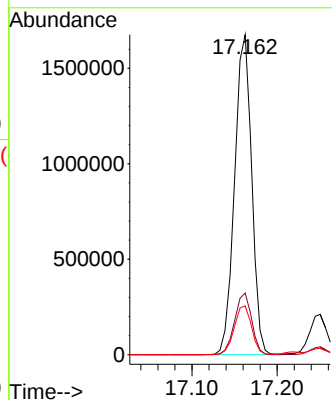
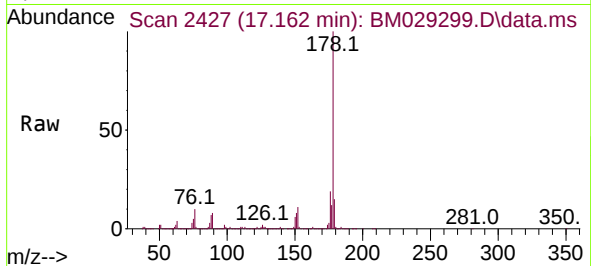
#71
Phenanthrene
Concen: 48.56 ng
RT: 17.162 min Scan# 2427
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:178 Resp: 2333579
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.3 11.9 17.9

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

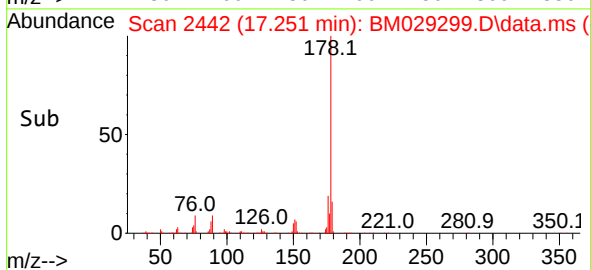
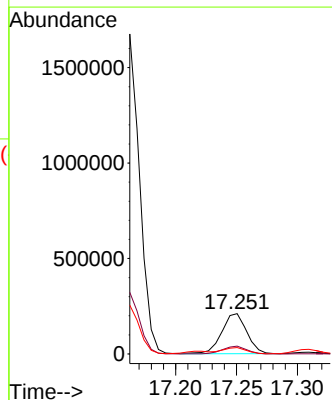
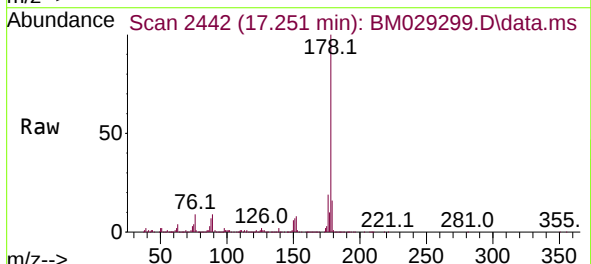
Manual Integrations
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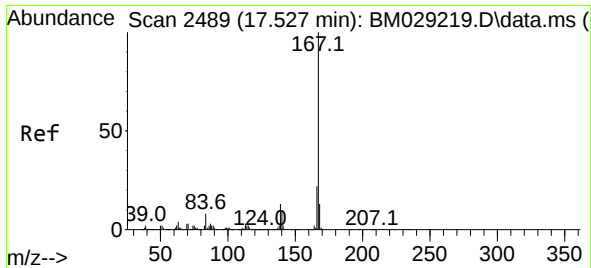
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#72
Anthracene
Concen: 6.42 ng
RT: 17.251 min Scan# 2442
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:178 Resp: 299563
Ion Ratio Lower Upper
178 100
176 19.3 14.9 22.3
179 15.9 12.1 18.1





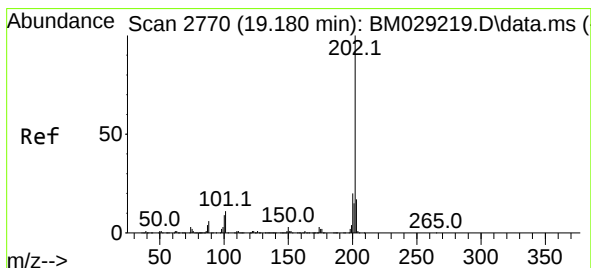
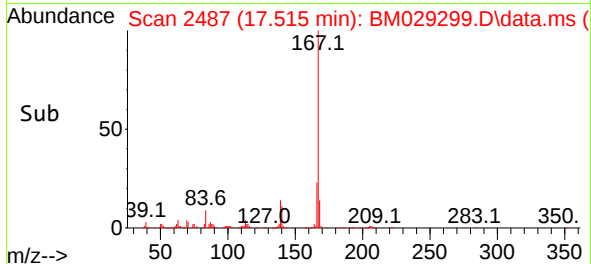
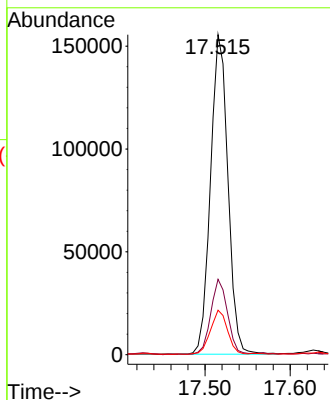
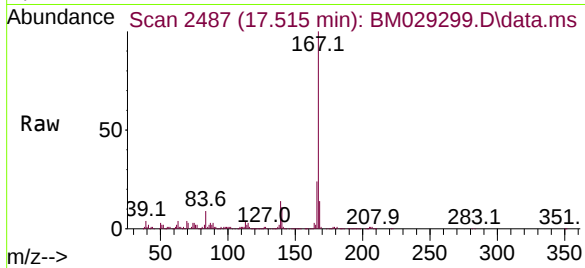
#73
 Carbazole
 Concen: 4.80 ng
 RT: 17.515 min Scan# 2487
 Delta R.T. -0.000 min
 Lab File: BM029299.D
 Acq: 31 Mar 2021 18:19

Tgt Ion:167 Resp: 220589
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.5 26.3
 139 13.9 10.6 15.8

Instrument :
 BNA_M
 ClientSampleId :
 BG-3-(0.0-0.5)DL

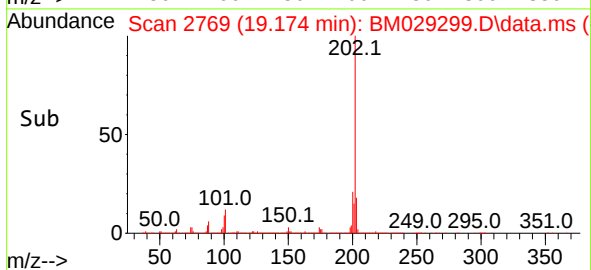
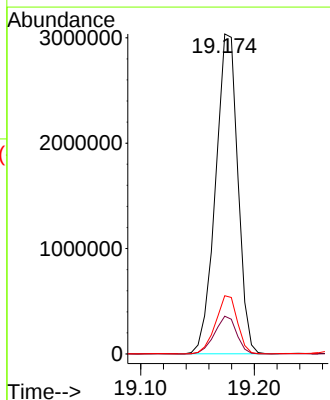
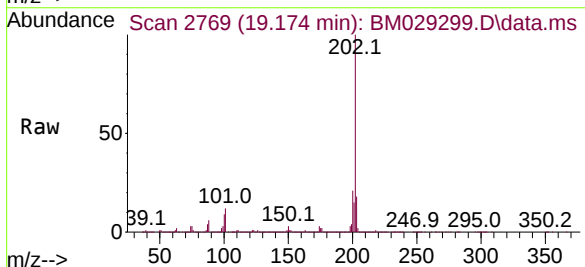
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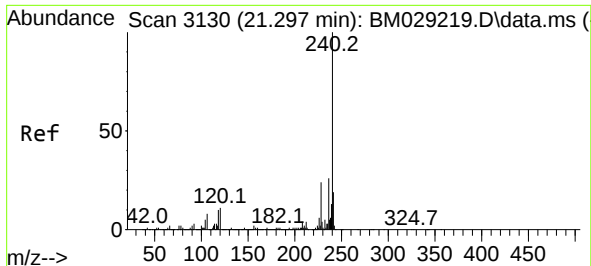
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#75
 Fluoranthene
 Concen: 78.06 ng
 RT: 19.174 min Scan# 2769
 Delta R.T. 0.005 min
 Lab File: BM029299.D
 Acq: 31 Mar 2021 18:19

Tgt Ion:202 Resp: 4143960
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.5
 203 18.2 0.0 37.7





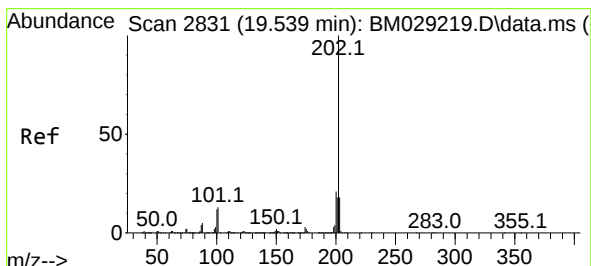
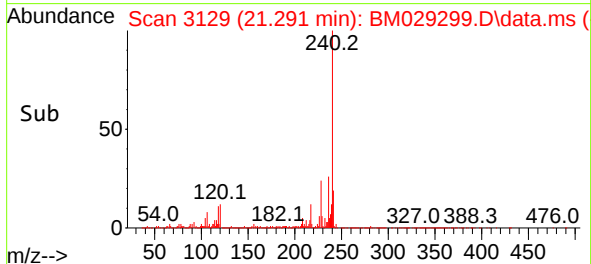
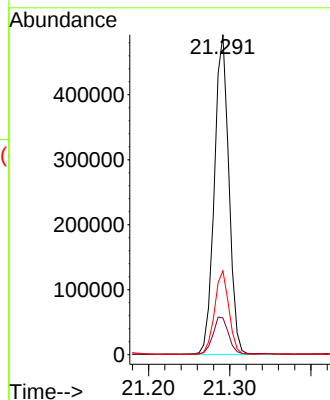
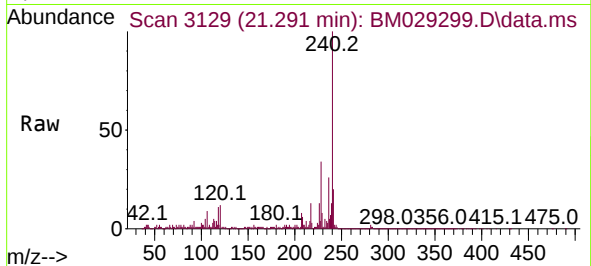
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.291 min Scan# 3129
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:240 Resp: 611482
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.6
236 26.2 20.3 30.5

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

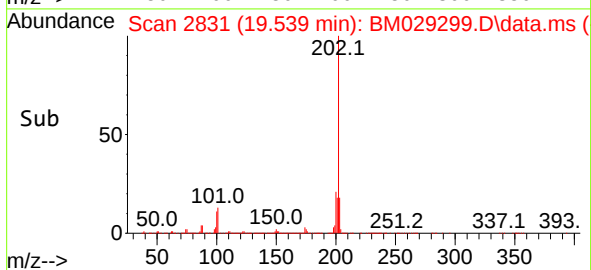
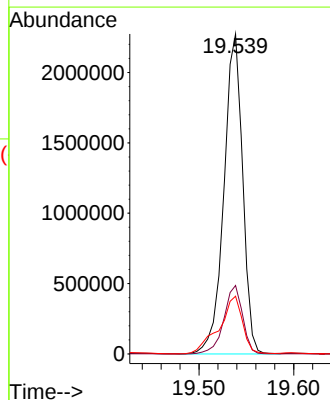
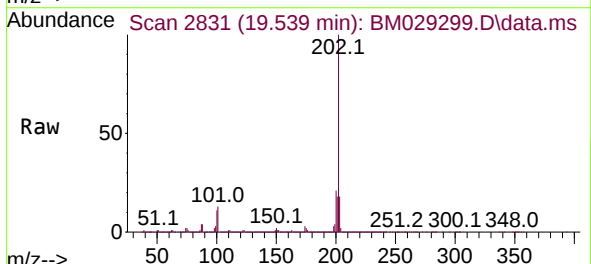
Manual Integrations
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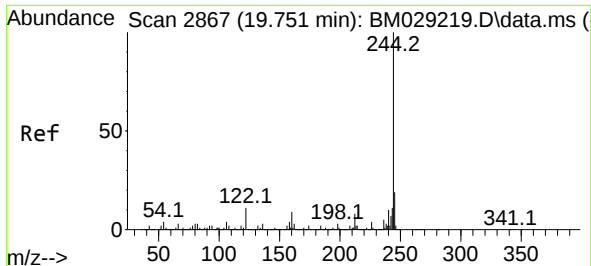
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#78
Pyrene
Concen: 75.51 ng
RT: 19.539 min Scan# 2831
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:202 Resp: 3126221
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.0 14.1 21.1





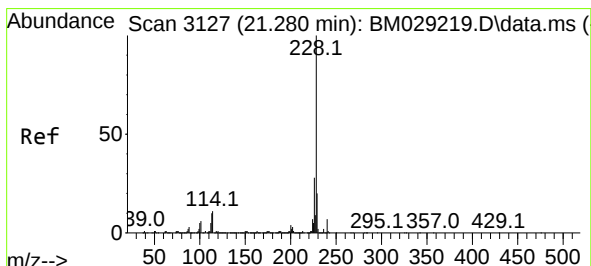
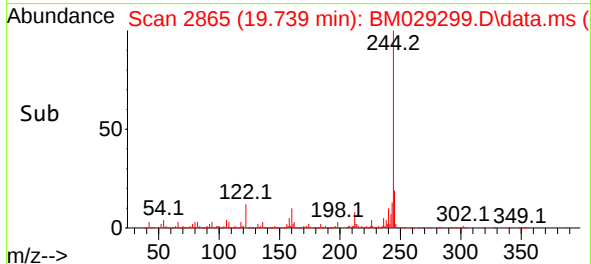
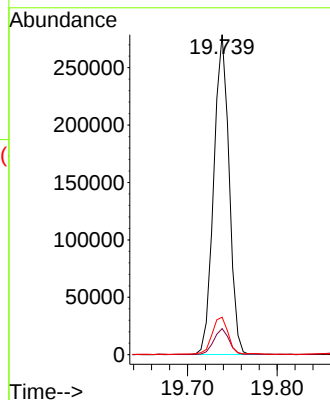
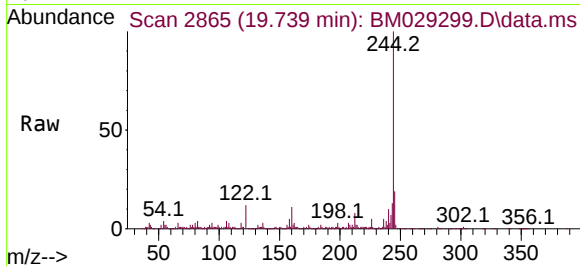
#79
Terphenyl-d14
Concen: 10.88 ng
RT: 19.739 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:244 Resp: 331182
Ion Ratio Lower Upper
244 100
212 8.1 6.5 9.7
122 11.7 9.2 13.8

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

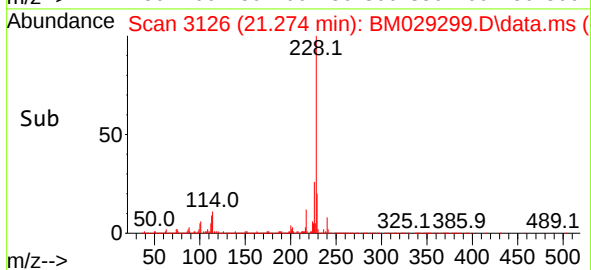
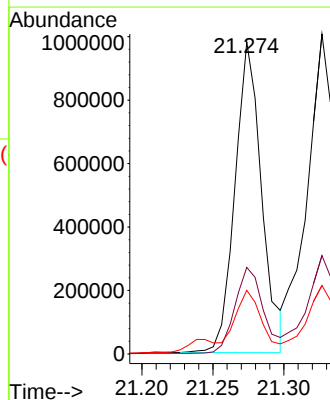
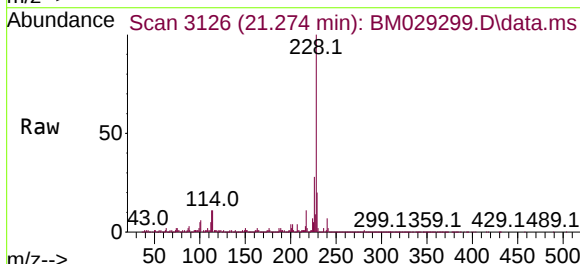
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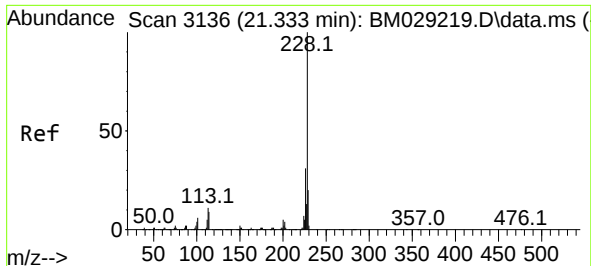
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#81
Benzo(a)anthracene
Concen: 32.02 ng
RT: 21.274 min Scan# 3126
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:228 Resp: 1277817
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 20.4 15.7 23.5





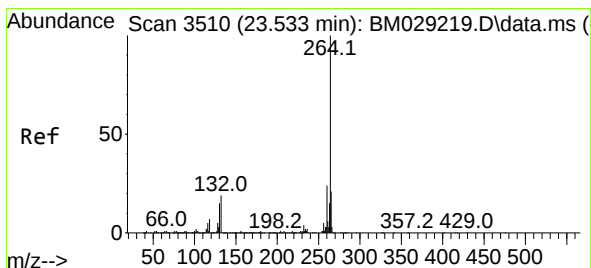
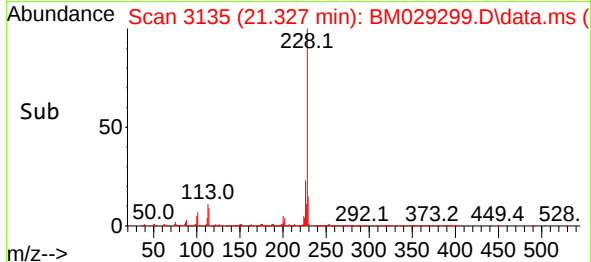
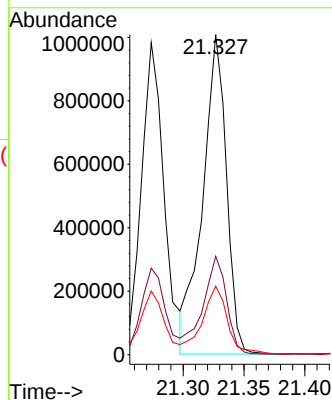
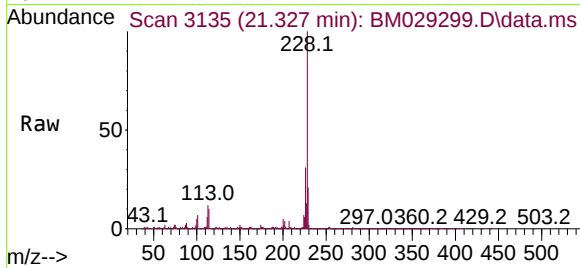
#83
Chrysene
Concen: 34.24 ng
RT: 21.327 min Scan# 3135
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:228 Resp: 1367149
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 21.4 15.8 23.6

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

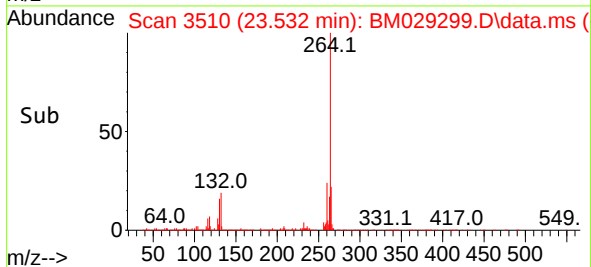
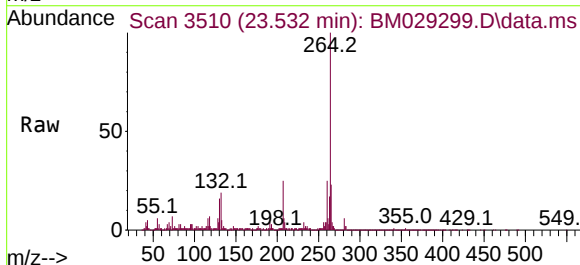
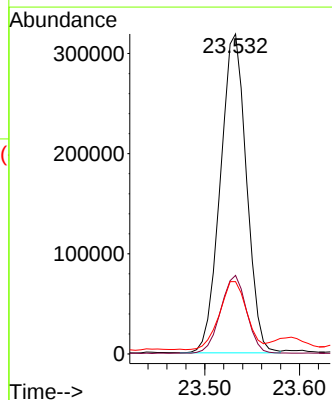
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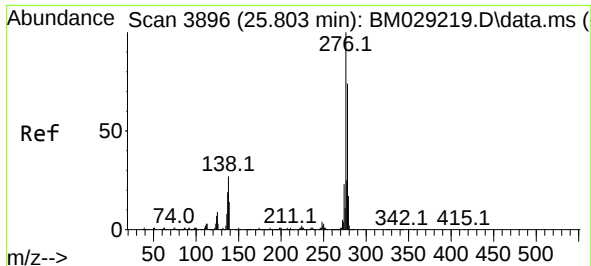
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.532 min Scan# 3510
Delta R.T. 0.011 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:264 Resp: 609372
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.6 17.8 26.8





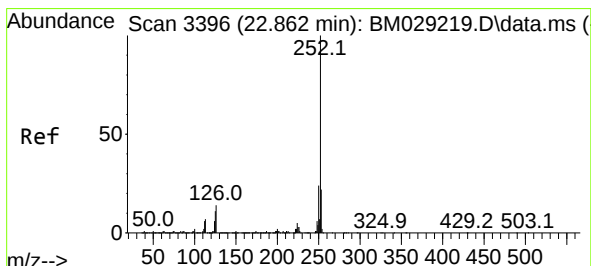
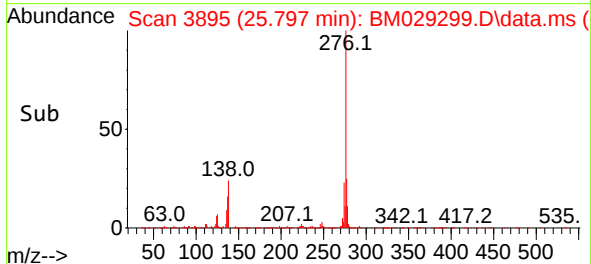
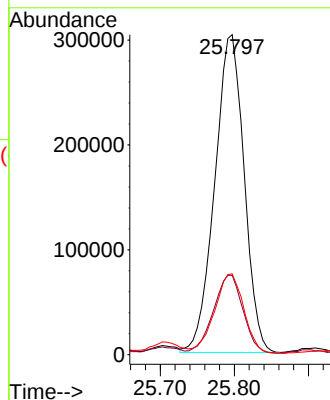
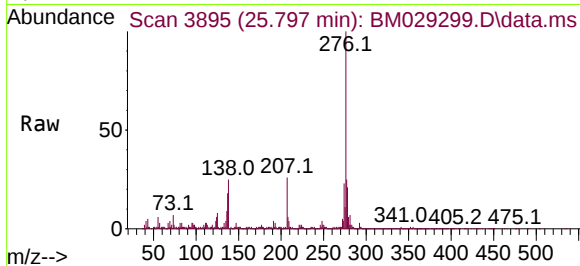
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.71 ng
RT: 25.797 min Scan# 3895
Delta R.T. 0.017 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion: 276 Resp: 834120
Ion Ratio Lower Upper
276 100
138 24.7 22.6 34.0
277 24.9 20.2 30.4

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

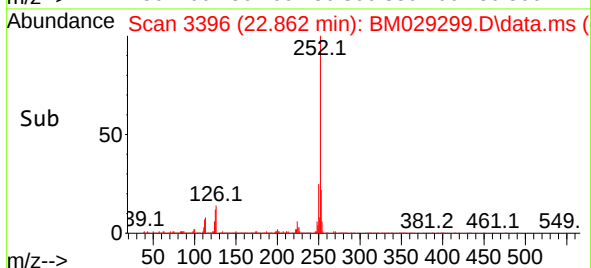
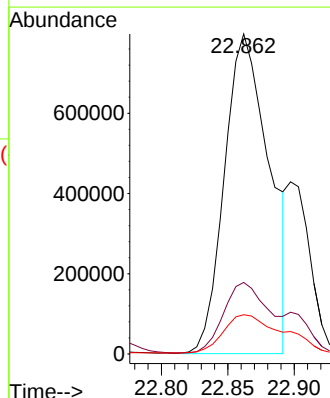
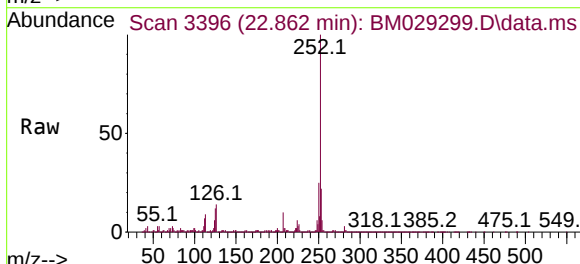
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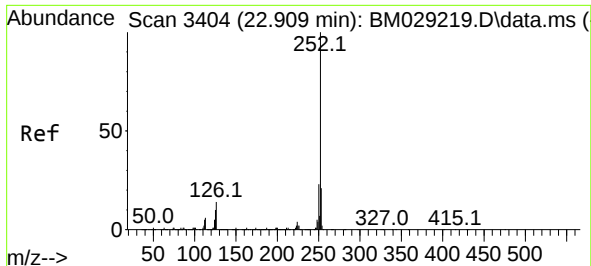
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#88
Benzo(b)fluoranthene
Concen: 47.21 ng m
RT: 22.862 min Scan# 3396
Delta R.T. 0.017 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

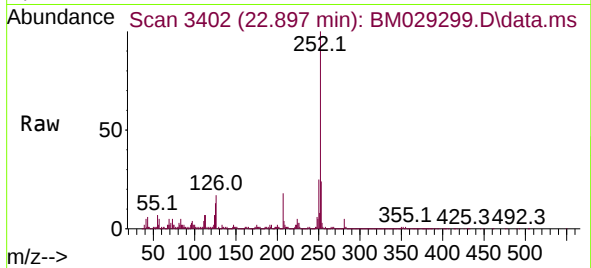
Tgt Ion: 252 Resp: 1871654
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.3 9.0 13.4





#89
Benzo(k)fluoranthene
Concen: 13.22 ng m
RT: 22.897 min Scan# 3402
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

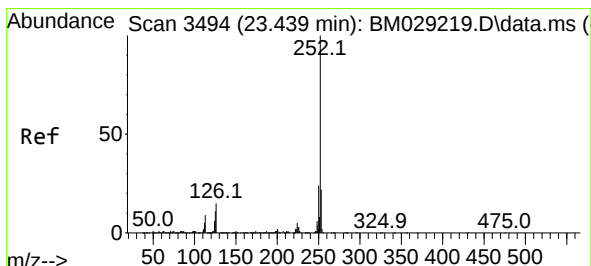
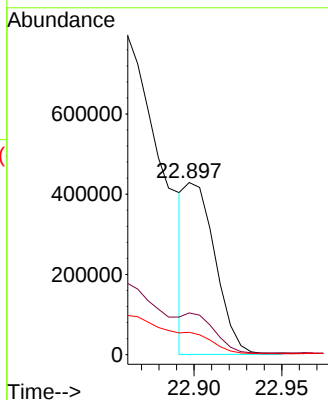
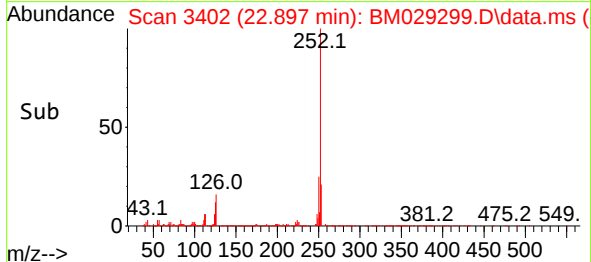
Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL



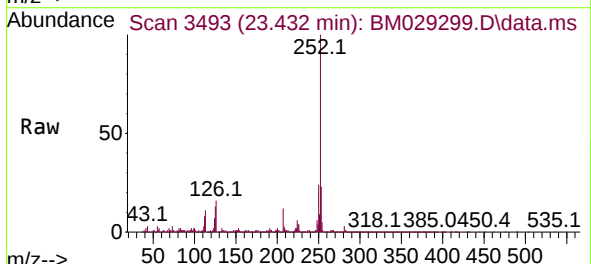
Tgt Ion:252 Resp: 509319
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 13.0 8.7 13.1

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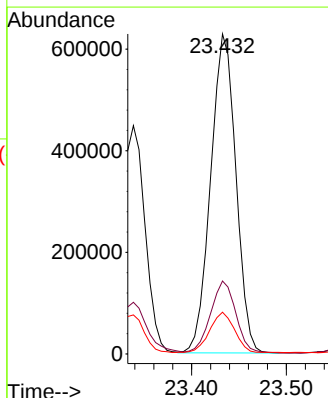
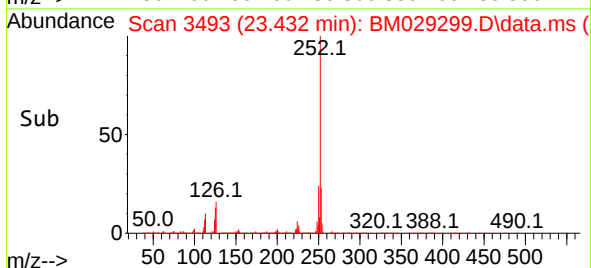
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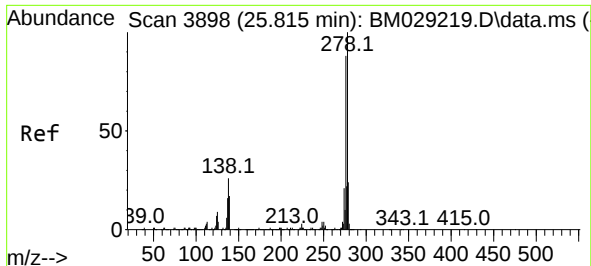


#90
Benzo(a)pyrene
Concen: 32.41 ng
RT: 23.432 min Scan# 3493
Delta R.T. 0.011 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19



Tgt Ion:252 Resp: 1164017
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 13.0 9.5 14.3





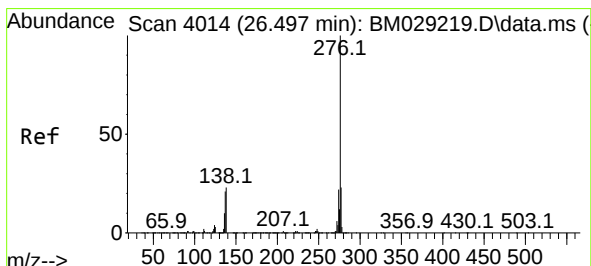
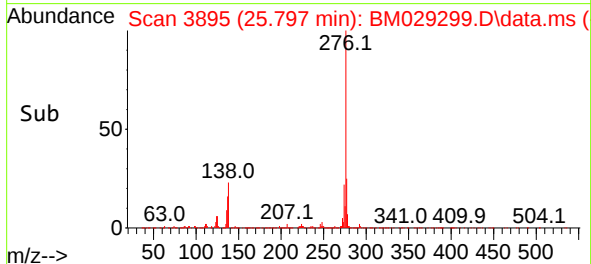
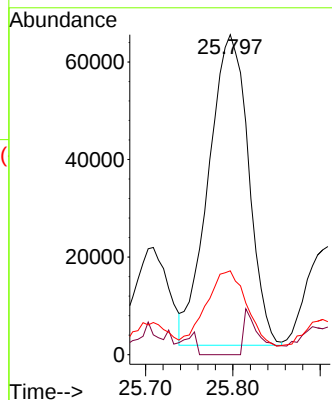
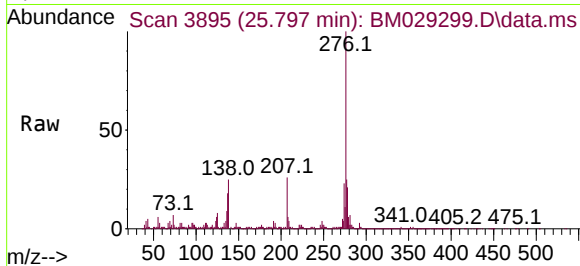
#91
Dibenzo(a,h)anthracene
Concen: 5.31 ng m
RT: 25.797 min Scan# 3895
Delta R.T. 0.005 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:278 Resp: 202609
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 26.2 19.3 28.9

Instrument :
BNA_M
ClientSampleId :
BG-3-(0.0-0.5)DL

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#92
Benzo(g,h,i)perylene
Concen: 20.94 ng
RT: 26.491 min Scan# 4013
Delta R.T. 0.017 min
Lab File: BM029299.D
Acq: 31 Mar 2021 18:19

Tgt Ion:276 Resp: 782557
Ion Ratio Lower Upper
276 100
277 24.9 18.7 28.1
138 25.5 19.0 28.4

