

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029529.D
 Acq On : 16 Apr 2021 19:34
 Operator : CG/JU
 Sample : M2050-13 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2

Manual Integrations
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Quant Time: Apr 16 23:20:41 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 11:56:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	102857	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	380409	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	199576	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	381948	20.00	ng	0.00
76) Chrysene-d12	21.239	240	404435	20.00	ng	0.00
86) Perylene-d12	23.445	264	443801	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	248104	39.83	ng	0.00
7) Phenol-d6	6.846	99	318432	36.21	ng	0.00
23) Nitrobenzene-d5	8.822	82	235878	28.43	ng	0.00
42) 2,4,6-Tribromophenol	15.804	330	75696	37.95	ng	0.00
45) 2-Fluorobiphenyl	12.933	172	356666	24.90	ng	0.00
79) Terphenyl-d14	19.686	244	374788	17.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.504	128	44012	2.20	ng	99
49) Acenaphthylene	14.033	152	51474	2.76	ng	95
71) Phenanthrene	17.098	178	531686	24.07	ng	99
72) Anthracene	17.186	178	149200	6.84	ng	99
75) Fluoranthene	19.115	202	989974	40.23	ng	99
78) Pyrene	19.480	202	978077	34.80	ng	99
81) Benzo(a)anthracene	21.221	228	611835	22.67	ng	96
83) Chrysene	21.274	228	539461	20.41	ng	97
87) Indeno(1,2,3-cd)pyrene	25.662	276	406608	12.43	ng	97
88) Benzo(b)fluoranthene	22.786	252	754440m	25.89	ng	
89) Benzo(k)fluoranthene	22.827	252	224468m	8.05	ng	
90) Benzo(a)pyrene	23.350	252	583090	21.88	ng	95
91) Dibenzo(a,h)anthracene	25.668	278	108497	3.86	ng	# 79
92) Benzo(g,h,i)perylene	26.350	276	409359	15.12	ng	98

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

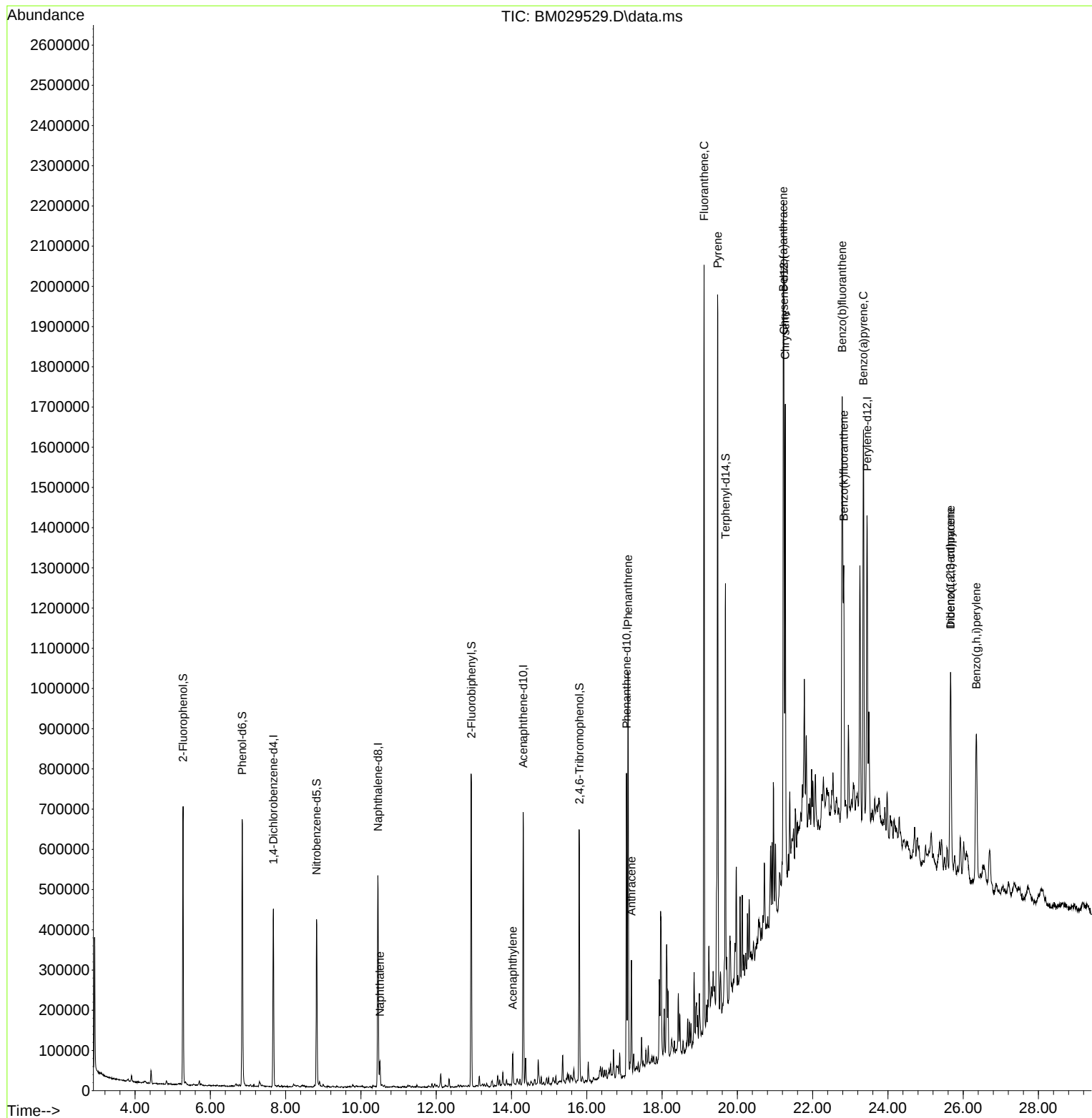
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029529.D
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Operator : CG/JU
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ALS Vial : 16 Sample Multiplier: 1

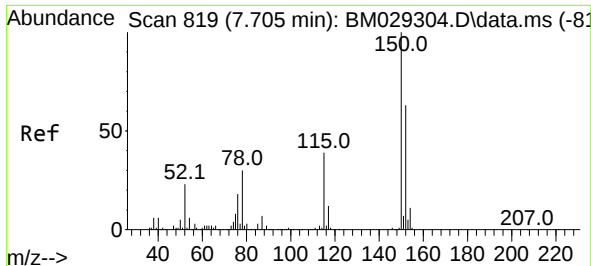
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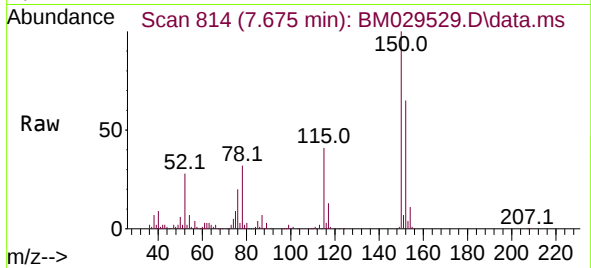
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
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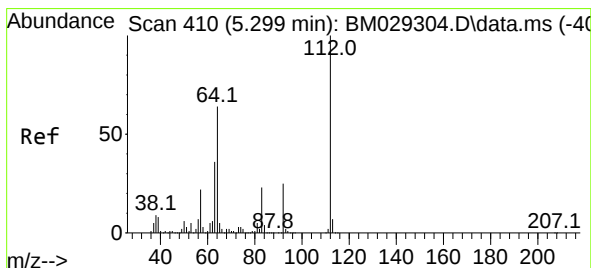
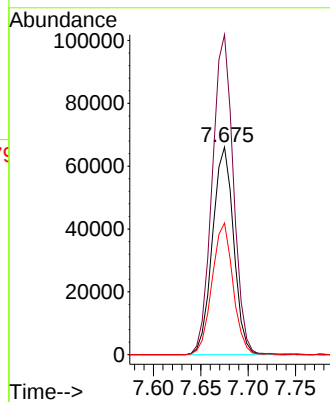
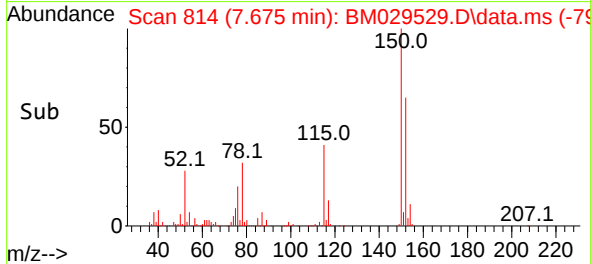




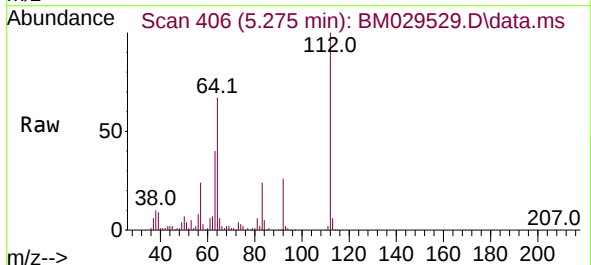
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



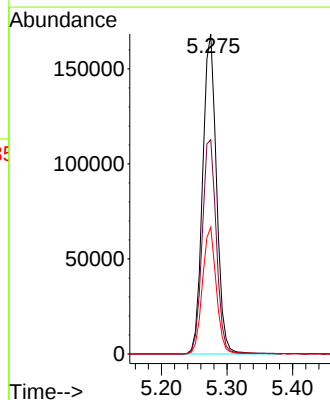
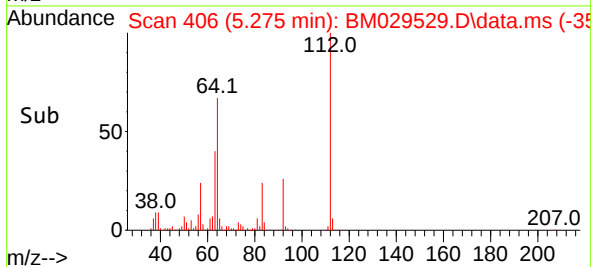
Tgt Ion:152 Resp: 102857
Ion Ratio Lower Upper
152 100
150 154.2 124.3 186.5
115 63.4 46.4 69.6



#5
2-Fluorophenol
Concen: 39.83 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



Tgt Ion:112 Resp: 248104
Ion Ratio Lower Upper
112 100
64 67.0 51.6 77.4
63 39.6 29.0 43.4



Instrument :
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ClientSampleId :
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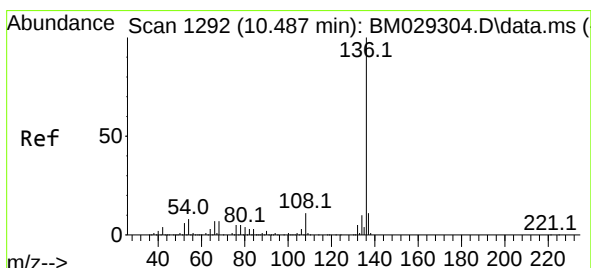
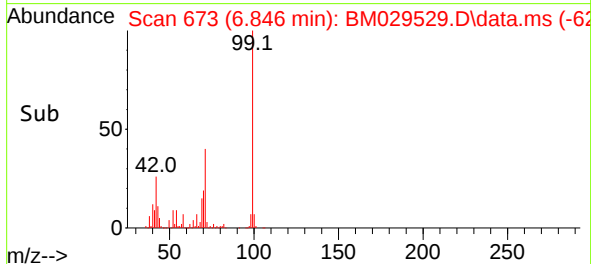
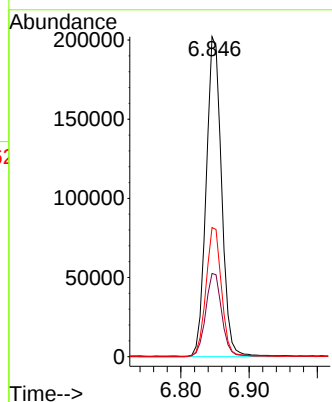
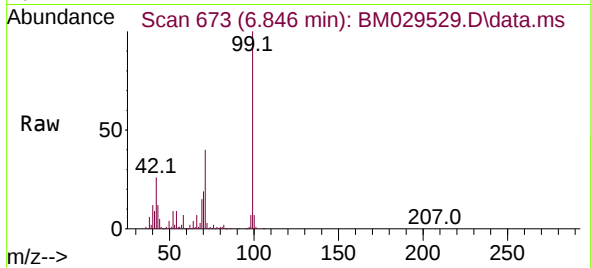
#7
Phenol-d6
Concen: 36.21 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion:	99	Resp:	318432
Ion	Ratio	Lower	Upper
99	100		
42	26.0	18.5	27.7
71	40.3	31.8	47.6

Instrument :
BNA_M
ClientSampled :
TP-2

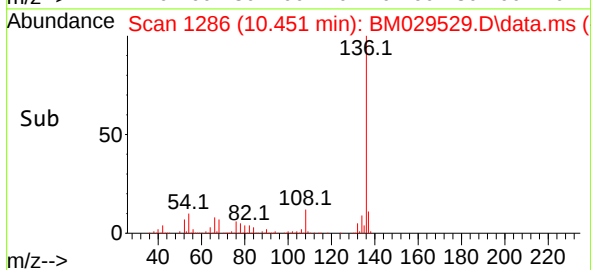
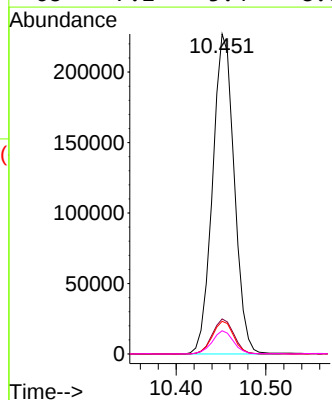
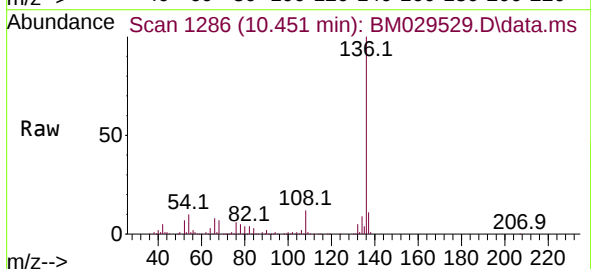
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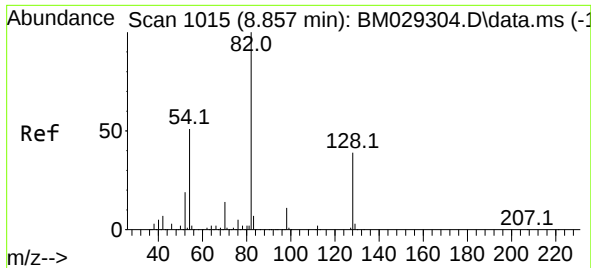
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion:	136	Resp:	380409
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	10.2	6.9	10.3
68	7.2	5.4	8.0





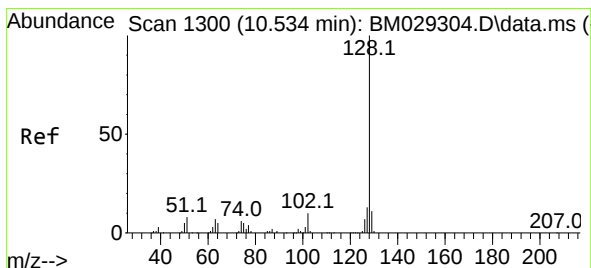
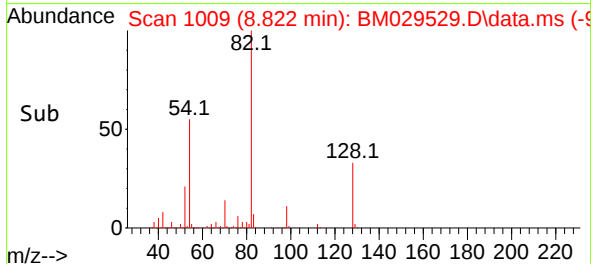
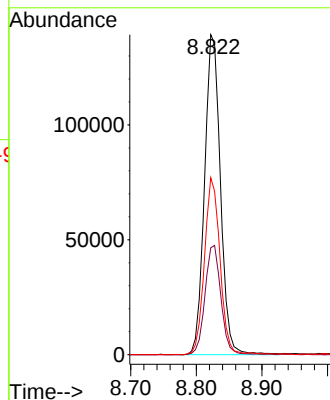
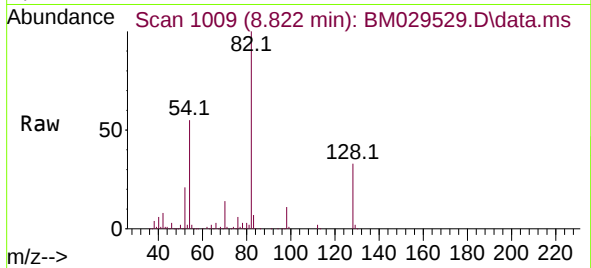
#23
Nitrobenzene-d5
Concen: 28.43 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion: 82 Resp: 235878
Ion Ratio Lower Upper
82 100
128 33.4 28.6 42.8
54 55.3 40.7 61.1

Instrument :
BNA_M
ClientSampled :
TP-2

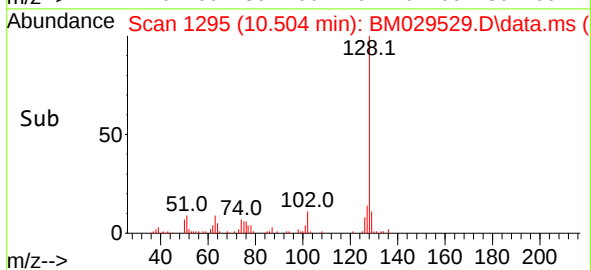
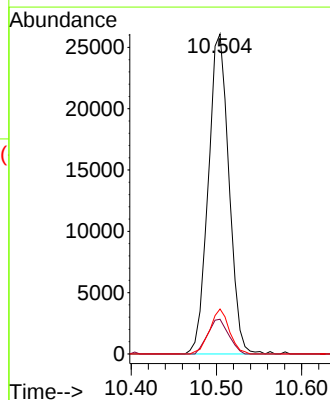
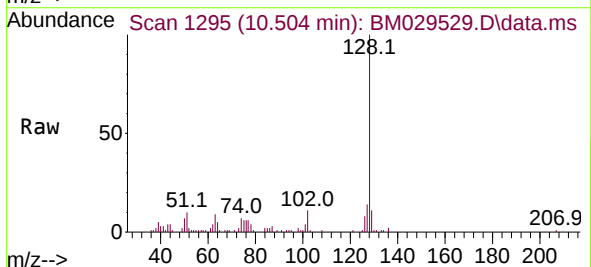
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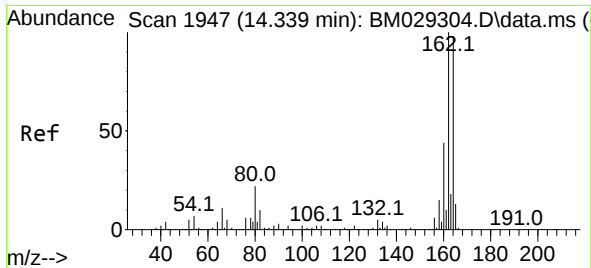
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#31
Naphthalene
Concen: 2.20 ng
RT: 10.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

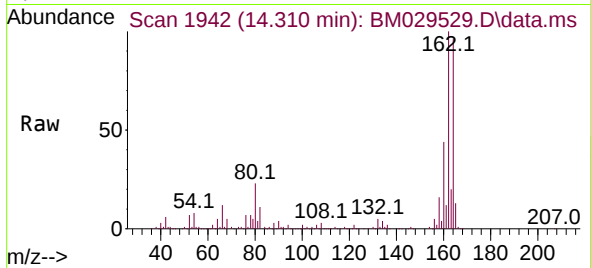
Tgt Ion: 128 Resp: 44012
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 14.1 10.7 16.1





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

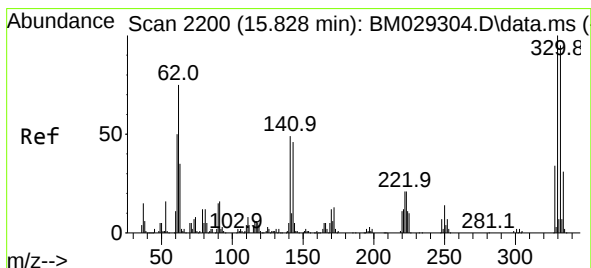
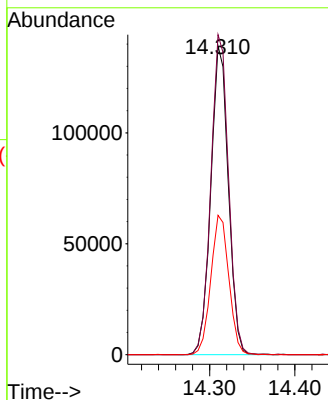
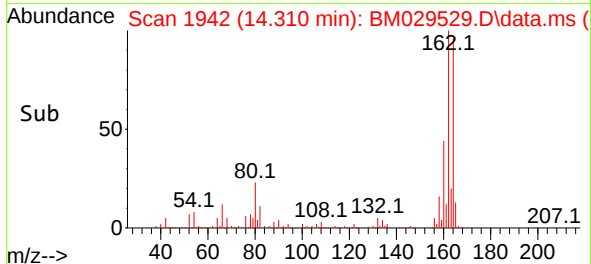
Instrument :
BNA_M
ClientSampled :
TP-2



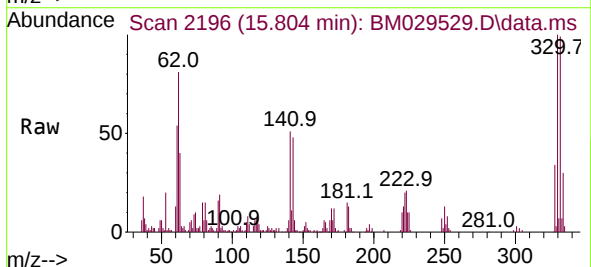
Tgt Ion:164 Resp: 199576
Ion Ratio Lower Upper
164 100
162 103.6 84.4 126.6
160 45.1 36.6 54.8

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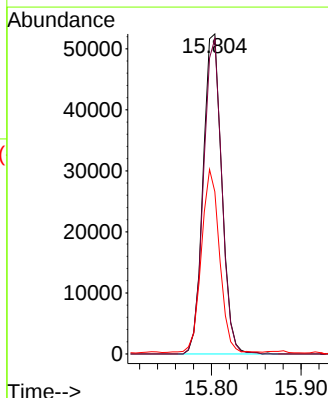
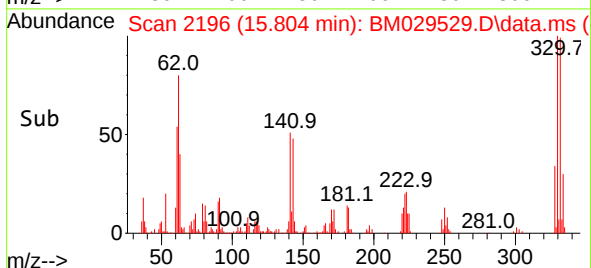
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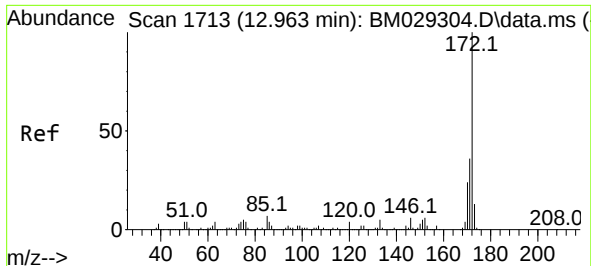


#42
2,4,6-Tribromophenol
Concen: 37.95 ng
RT: 15.804 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



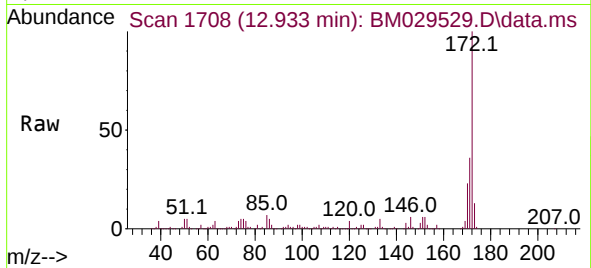
Tgt Ion:330 Resp: 75696
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 55.3 39.2 58.8





#45
2-Fluorobiphenyl
Concen: 24.90 ng
RT: 12.933 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

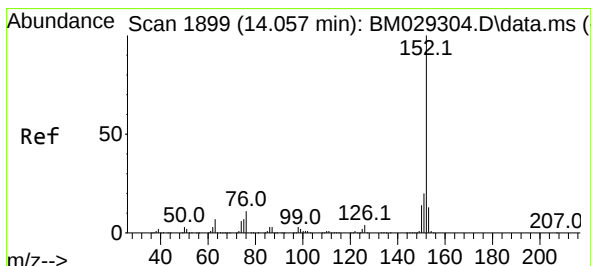
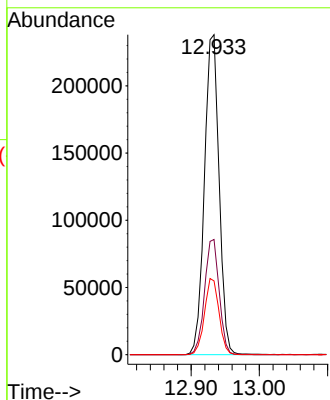
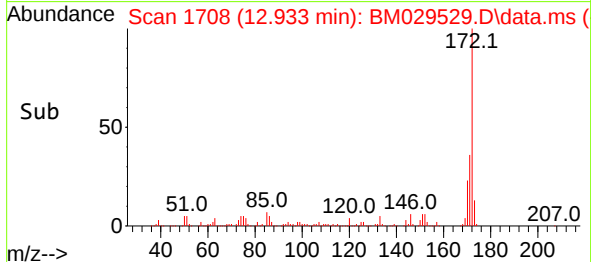
Instrument :
BNA_M
ClientSampled :
TP-2



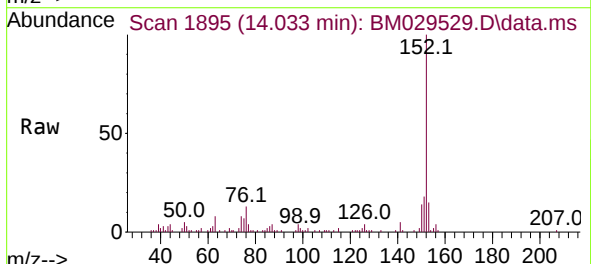
Tgt Ion:172 Resp: 356666
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.1 18.8 28.2

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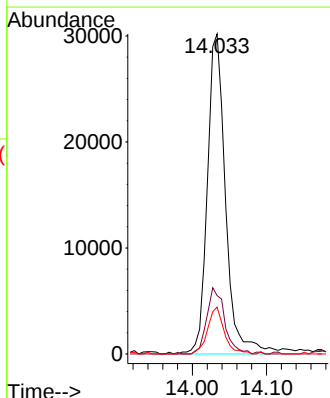
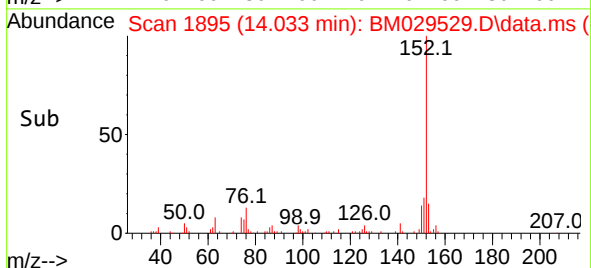
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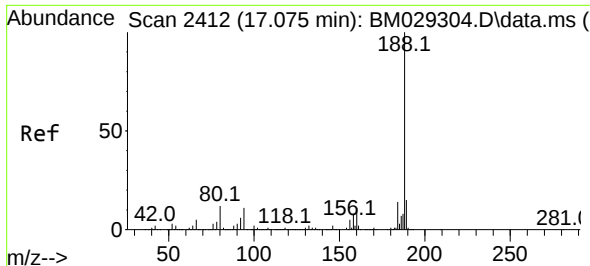


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Acenaphthylene
Concen: 2.76 ng
RT: 14.033 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

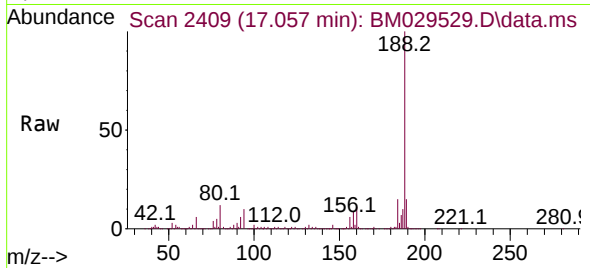


Tgt Ion:152 Resp: 51474
Ion Ratio Lower Upper
152 100
151 18.2 16.2 24.4
153 14.6 10.2 15.2

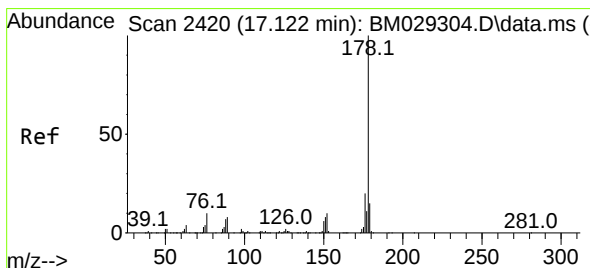
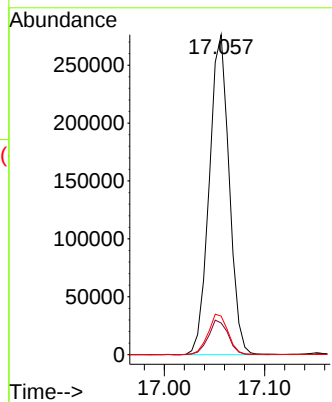
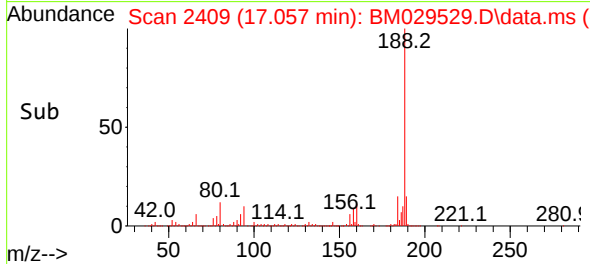




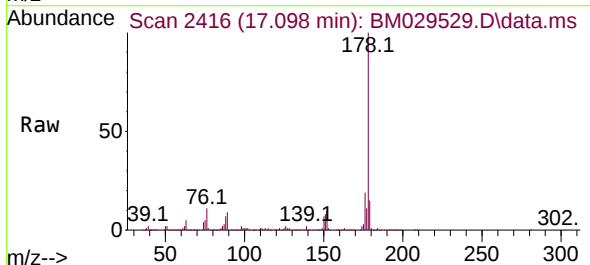
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Phenanthrene-d10
Concen: 20.00 ng
RT: 17.057 min Scan# 2409
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



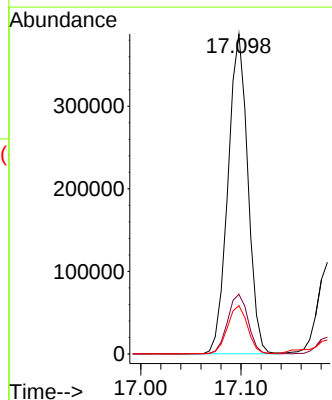
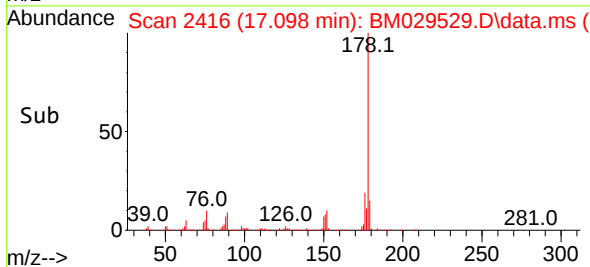
Tgt Ion:188 Resp: 381948
Ion Ratio Lower Upper
188 100
94 9.9 8.1 12.1
80 12.1 9.2 13.8



#71
Phenanthrene
Concen: 24.07 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



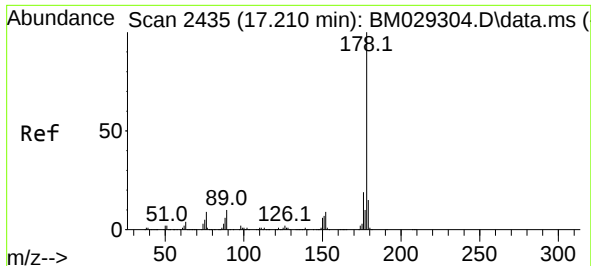
Tgt Ion:178 Resp: 531686
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.1 11.9 17.9



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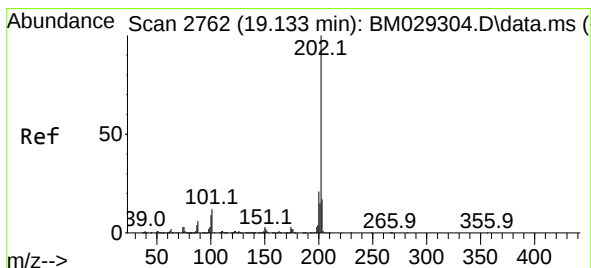
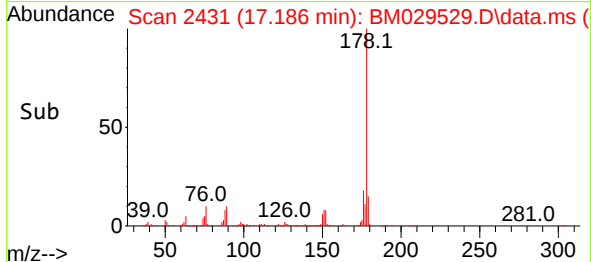
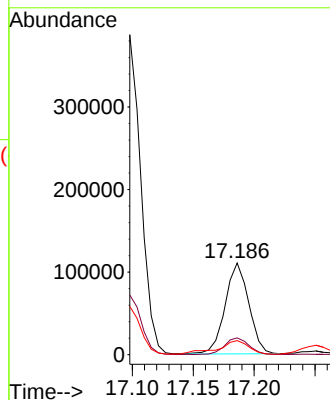
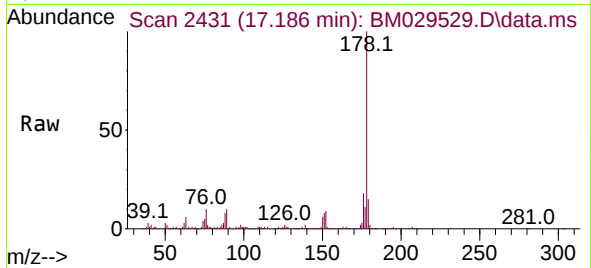
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 Anthracene
 Concen: 6.84 ng
 RT: 17.186 min Scan# 2431
 Delta R.T. -0.006 min
 Lab File: BM029529.D
 Acq: 16 Apr 2021 19:34

Tgt Ion:178 Resp: 149200
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 15.4 12.1 18.1

Instrument :
 BNA_M
 ClientSampled :
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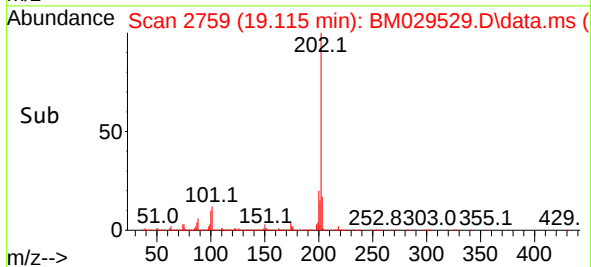
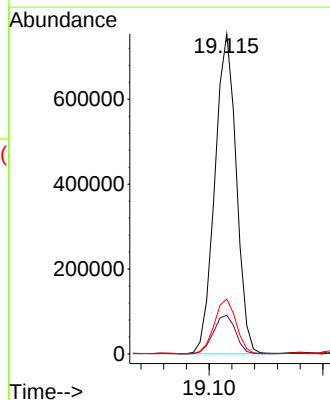
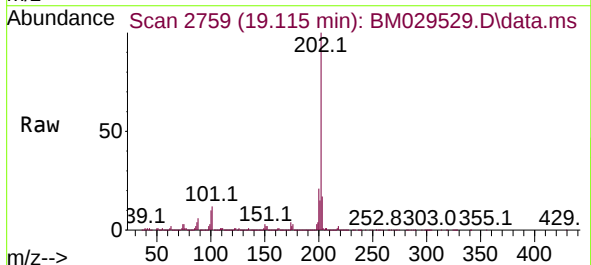
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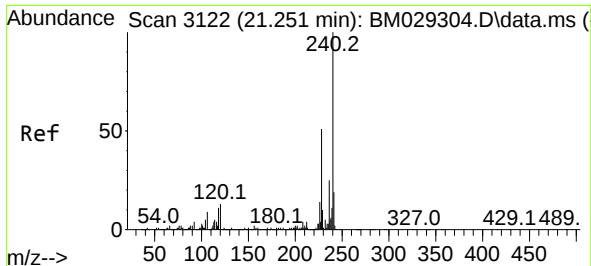
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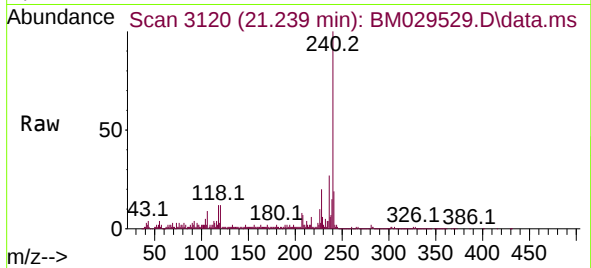
#75
 Fluoranthene
 Concen: 40.23 ng
 RT: 19.115 min Scan# 2759
 Delta R.T. 0.000 min
 Lab File: BM029529.D
 Acq: 16 Apr 2021 19:34

Tgt Ion:202 Resp: 989974
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 31.5
 203 17.1 0.0 37.7

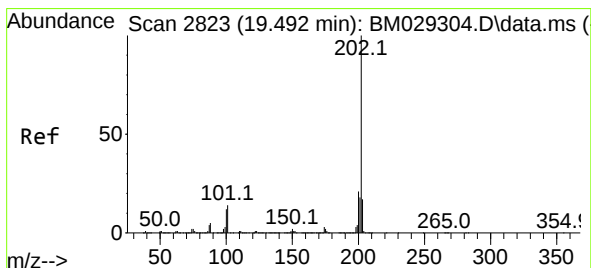
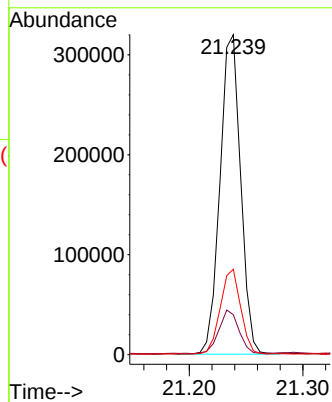
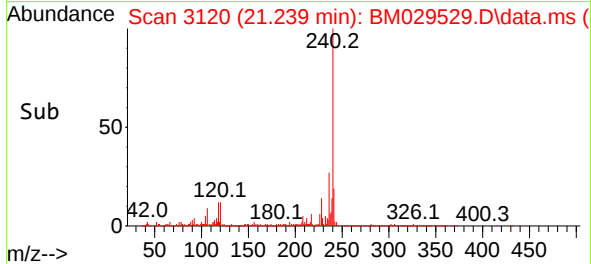




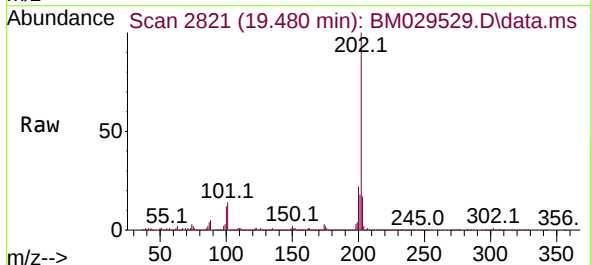
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.239 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



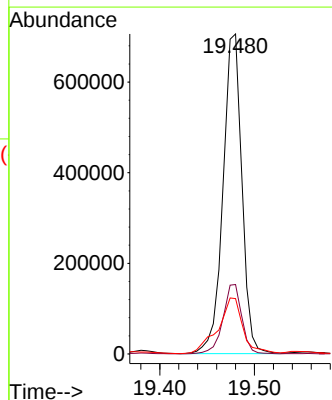
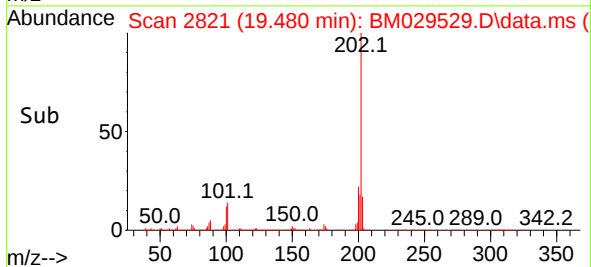
Tgt Ion:240 Resp: 404435
Ion Ratio Lower Upper
240 100
120 12.5 9.0 13.6
236 26.7 20.3 30.5



#78
Pyrene
Concen: 34.80 ng
RT: 19.480 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



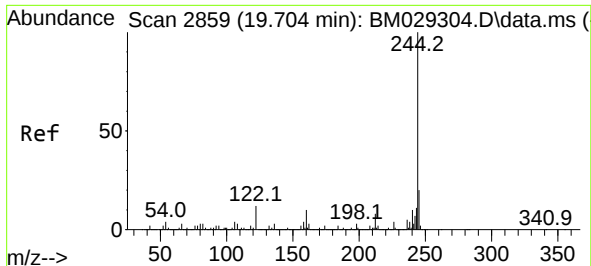
Tgt Ion:202 Resp: 978077
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 17.3 14.1 21.1



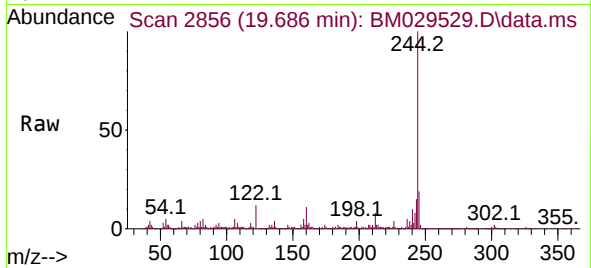
Instrument :
BNA_M
ClientSampled :
TP-2

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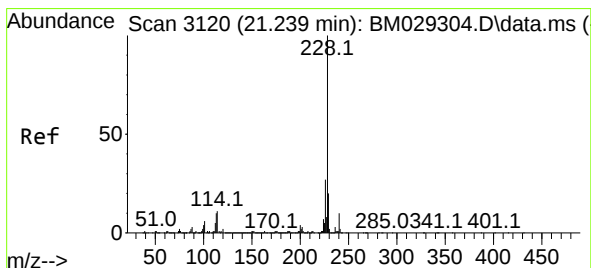
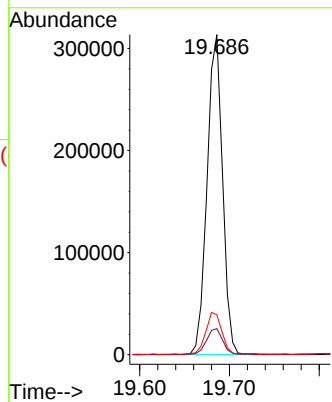
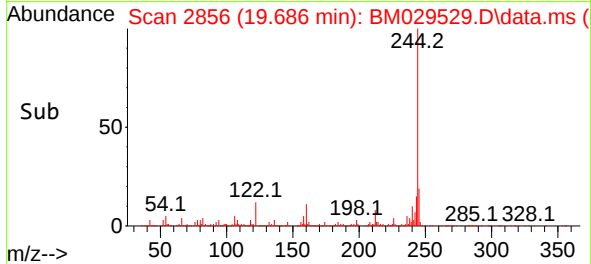
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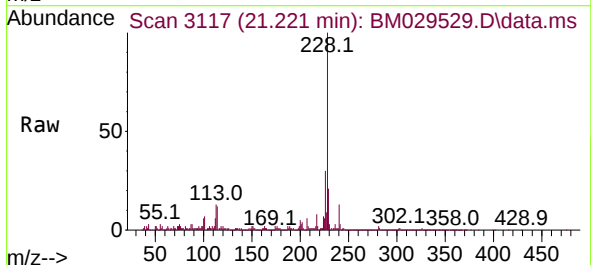
#79
Terphenyl-d14
Concen: 17.60 ng
RT: 19.686 min Scan# 2856
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



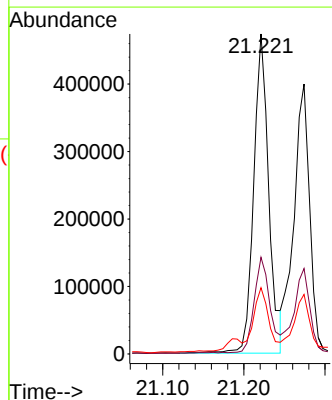
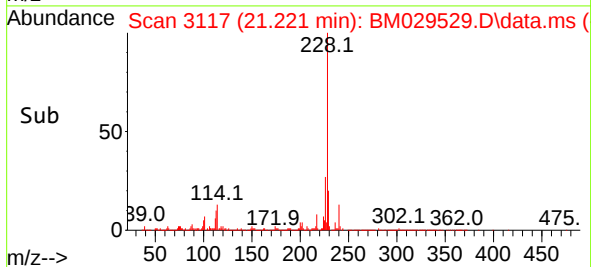
Tgt Ion:244 Resp: 374788
Ion Ratio Lower Upper
244 100
212 8.2 6.5 9.7
122 12.4 9.2 13.8



#81
Benzo(a)anthracene
Concen: 22.67 ng
RT: 21.221 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



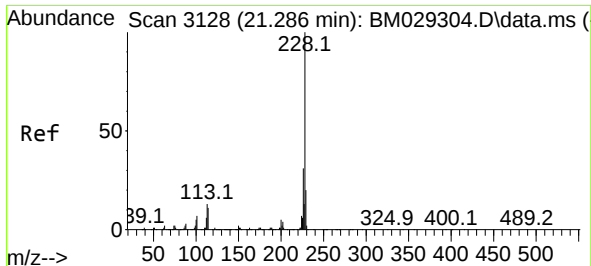
Tgt Ion:228 Resp: 611835
Ion Ratio Lower Upper
228 100
226 30.2 21.9 32.9
229 20.7 15.7 23.5



Instrument :
BNA_M
ClientSampled :
TP-2

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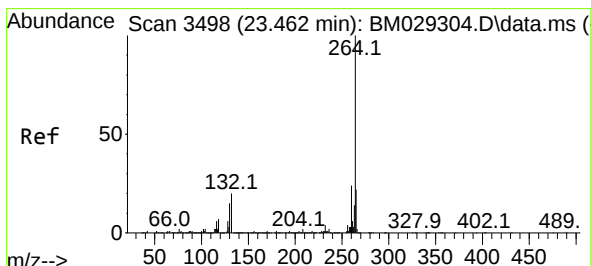
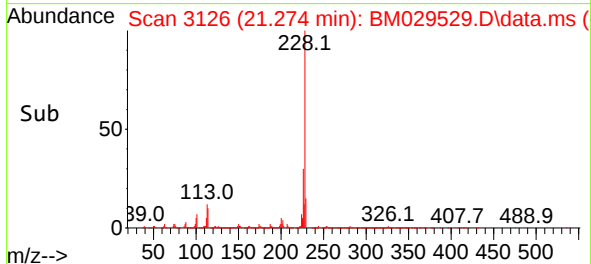
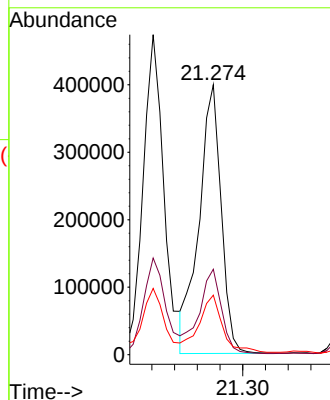
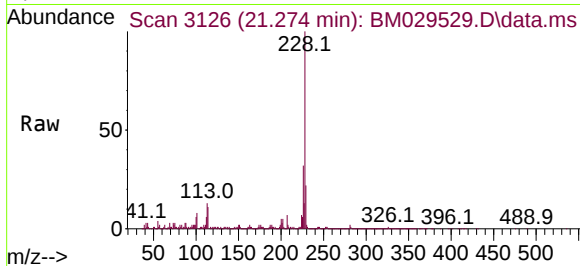
#83
Chrysene
Concen: 20.41 ng
RT: 21.274 min Scan# 3126
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion:228 Resp: 539461
Ion Ratio Lower Upper
228 100
226 31.6 24.7 37.1
229 22.0 15.8 23.6

Instrument :
BNA_M
ClientSampled :
TP-2

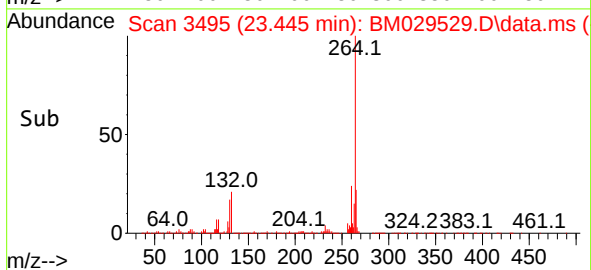
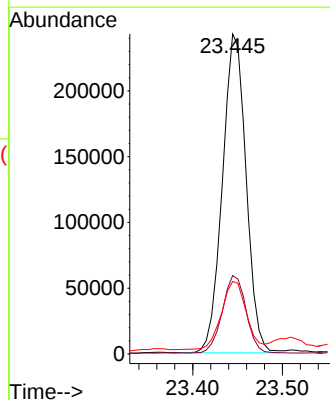
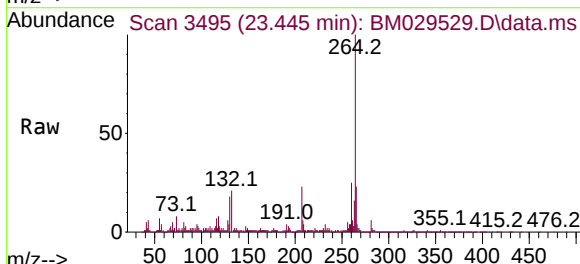
Manual Integrations
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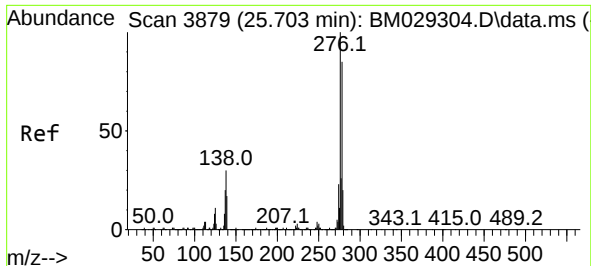
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.445 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion:264 Resp: 443801
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.7 17.8 26.8





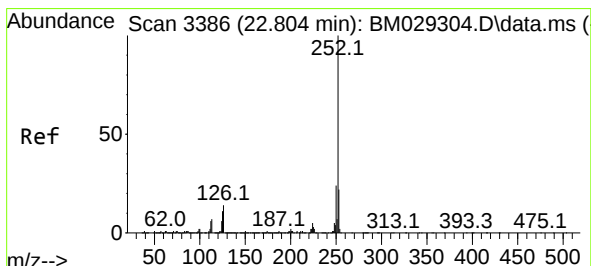
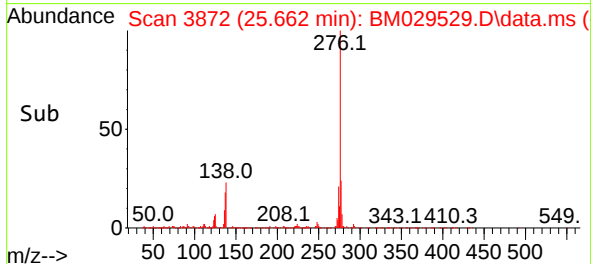
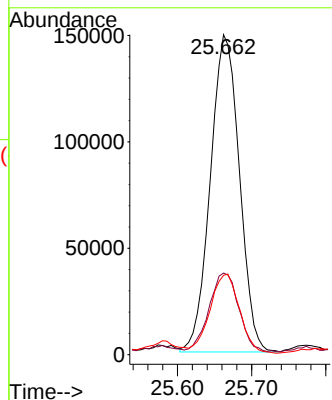
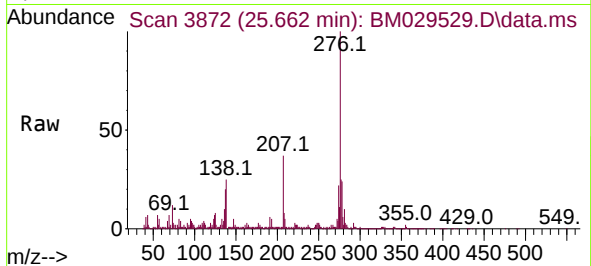
#87
Indeno(1,2,3-cd)pyrene
Concen: 12.43 ng
RT: 25.662 min Scan# 3872
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion: 276 Resp: 406608
Ion Ratio Lower Upper
276 100
138 25.2 22.6 34.0
277 25.2 20.2 30.4

Instrument :
BNA_M
ClientSampled :
TP-2

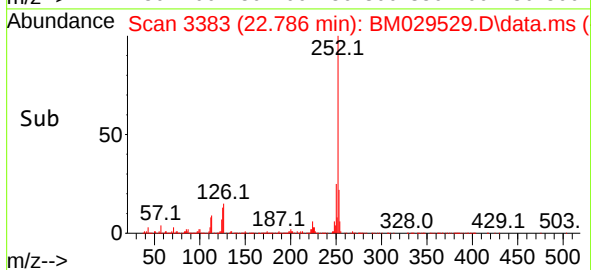
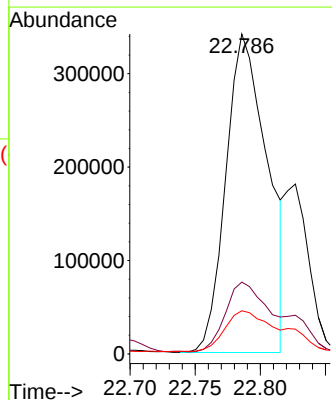
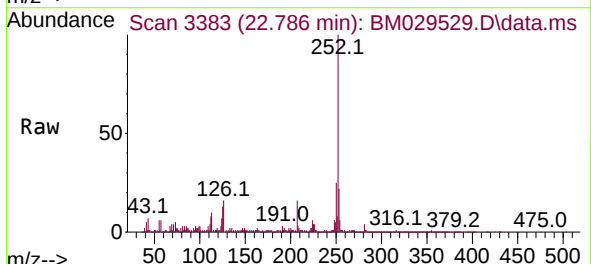
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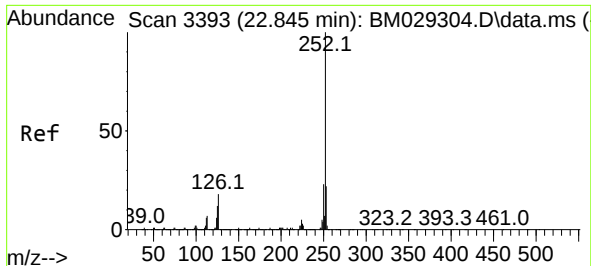
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#88
Benzo(b)fluoranthene
Concen: 25.89 ng m
RT: 22.786 min Scan# 3383
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion: 252 Resp: 754440
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 13.5 9.0 13.4#





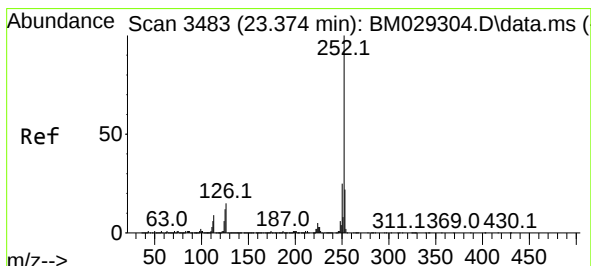
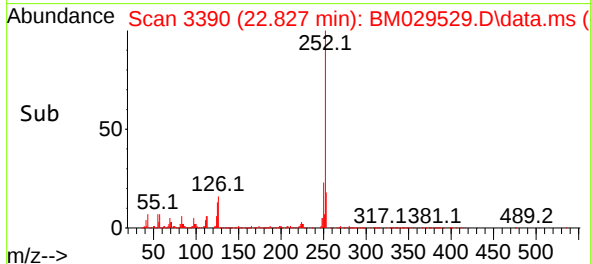
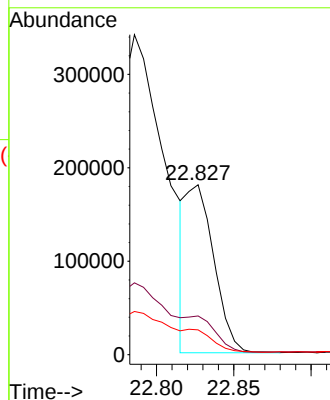
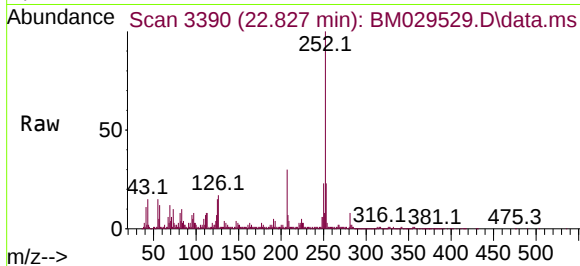
#89
Benzo(k)fluoranthene
Concen: 8.05 ng m
RT: 22.827 min Scan# 3390
Delta R.T. 0.000 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

Tgt Ion:252 Resp: 224468
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 14.6 8.7 13.1#

Instrument :
BNA_M
ClientSampled :
TP-2

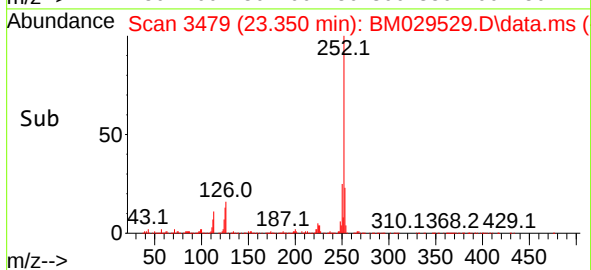
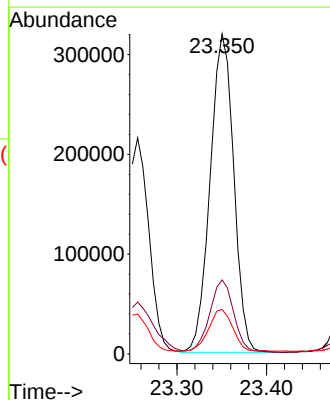
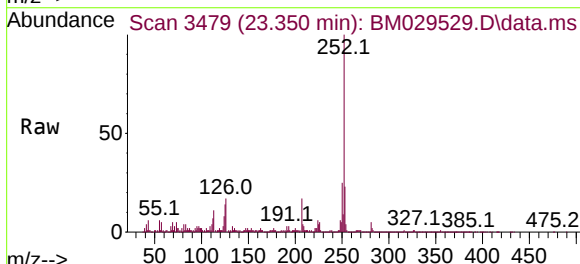
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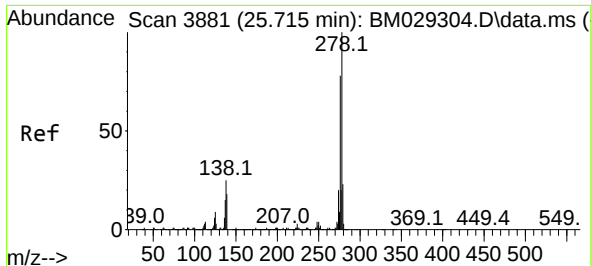
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#90
Benzo(a)pyrene
Concen: 21.88 ng
RT: 23.350 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

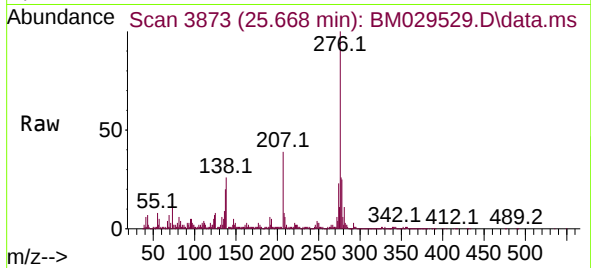
Tgt Ion:252 Resp: 583090
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 13.9 9.5 14.3





#91
Dibenzo(a,h)anthracene
Concen: 3.86 ng
RT: 25.668 min Scan# 3873
Delta R.T. -0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34

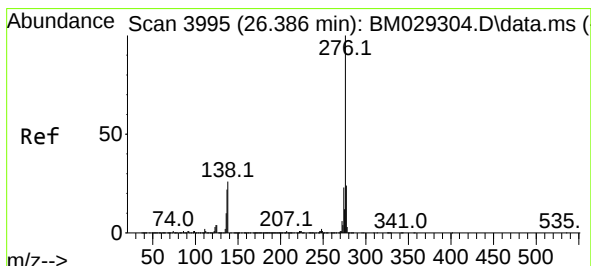
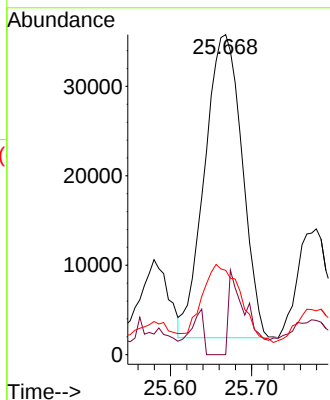
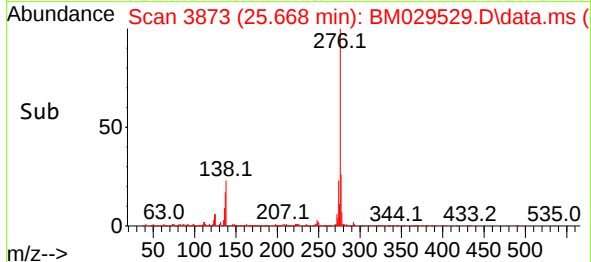
Instrument :
BNA_M
ClientSampled :
TP-2



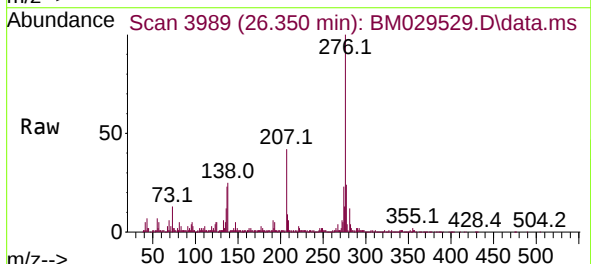
Tgt Ion:278 Resp: 108497
Ion Ratio Lower Upper
278 100
139 0.0 14.8 22.2#
279 26.4 19.3 28.9

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#92
Benzo(g,h,i)perylene
Concen: 15.12 ng
RT: 26.350 min Scan# 3989
Delta R.T. 0.006 min
Lab File: BM029529.D
Acq: 16 Apr 2021 19:34



Tgt Ion:276 Resp: 409359
Ion Ratio Lower Upper
276 100
277 24.4 18.7 28.1
138 24.9 19.0 28.4

