

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022521\
 Data File : BM028895.D
 Acq On : 25 Feb 2021 12:11
 Operator : CG/JU
 Sample : M1462-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-01-022221DL

Manual Integrations
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mohammad
 2/26/2021 10:42:28 AM

Quant Time: Feb 25 12:45:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM022321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 23 16:39:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	20962	20.00	ng	-0.01
21) Naphthalene-d8	10.604	136	86267	20.00	ng	#-0.01
39) Acenaphthene-d10	14.463	164	51107	20.00	ng	-0.01
64) Phenanthrene-d10	17.204	188	105723	20.00	ng	-0.01
76) Chrysene-d12	21.368	240	88600	20.00	ng	# 0.00
86) Perylene-d12	23.580	264	73947	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	12105	9.57	ng	0.00
7) Phenol-d6	6.987	99	15225	9.11	ng	-0.01
23) Nitrobenzene-d5	8.975	82	8900	5.57	ng	-0.02
42) 2,4,6-Tribromophenol	15.957	330	5124	8.46	ng	-0.01
45) 2-Fluorobiphenyl	13.075	172	22215	5.79	ng	-0.01
79) Terphenyl-d14	19.815	244	28881	6.02	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.521	154	10320	3.27	ng	97
55) Dibenzofuran	14.863	168	11785	2.38	ng	95
58) Fluorene	15.510	166	17254	4.35	ng	100
71) Phenanthrene	17.251	178	172257	27.36	ng	100
72) Anthracene	17.339	178	64182	10.29	ng	98
73) Carbazole	17.615	167	12382	2.07	ng	97
75) Fluoranthene	19.256	202	191072	27.62	ng	96
78) Pyrene	19.621	202	140070	21.52	ng	99
81) Benzo(a)anthracene	21.350	228	69384	11.28	ng	99
83) Chrysene	21.403	228	56962	9.51	ng	97
87) Indeno(1,2,3-cd)pyrene	25.803	276	24140	4.33	ng	# 92
88) Benzo(b)fluoranthene	22.915	252	59531	11.40	ng	# 96
89) Benzo(k)fluoranthene	22.956	252	17370m	3.50	ng	
90) Benzo(a)pyrene	23.480	252	39635	8.32	ng	# 96
92) Benzo(g,h,i)perylene	26.485	276	20651	4.41	ng	# 91

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

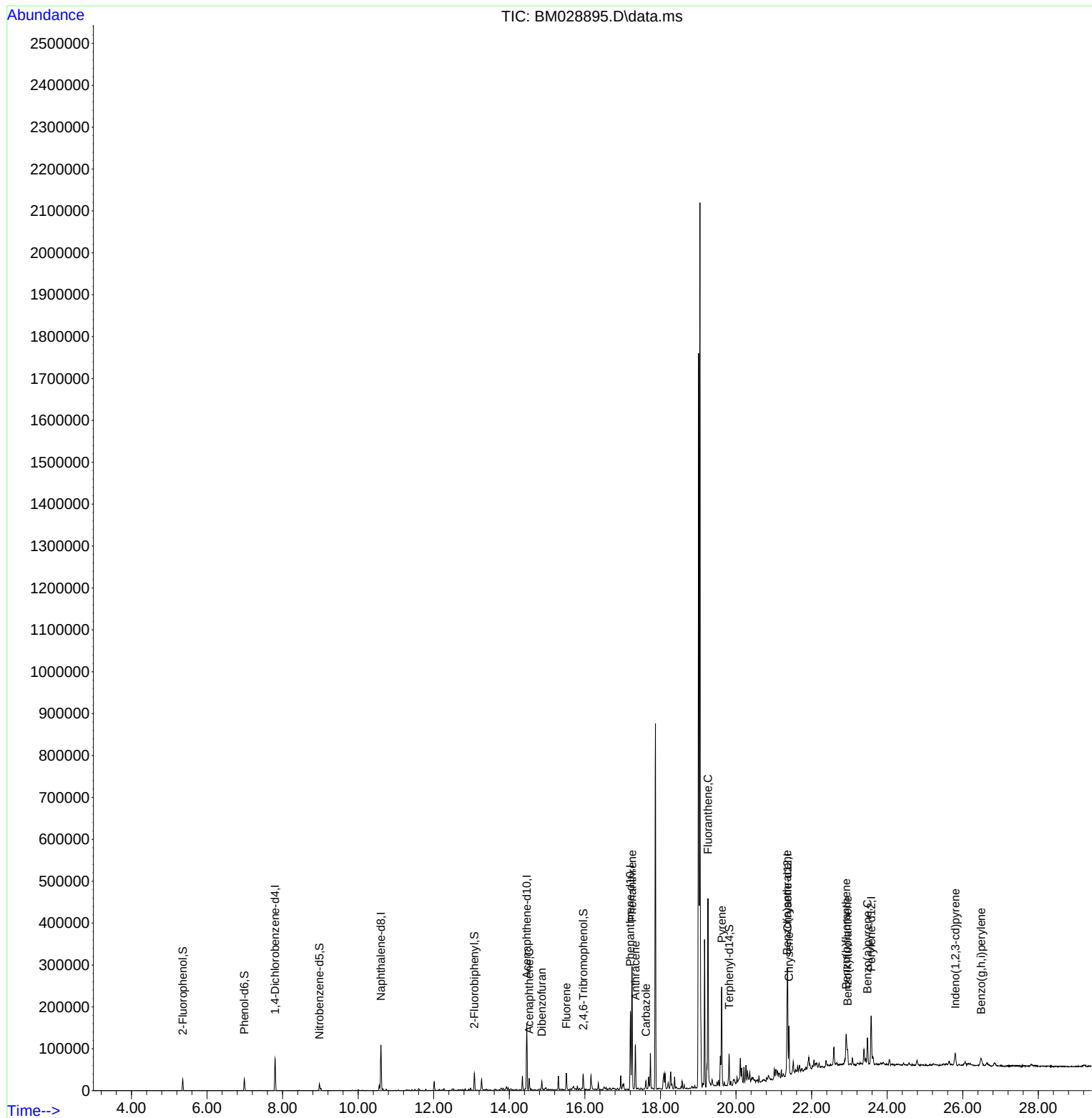
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022521\
Data File : BM028895.D
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ALS Vial : 6 Sample Multiplier: 1

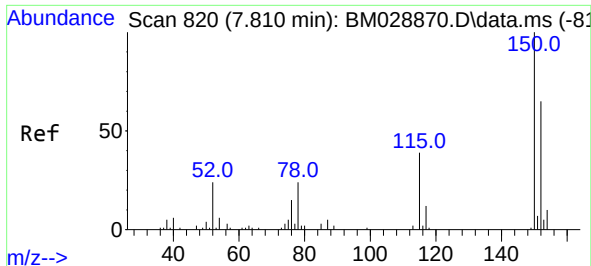
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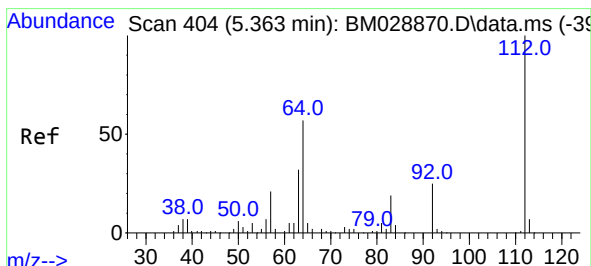
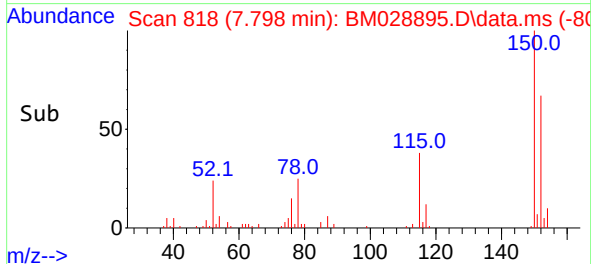
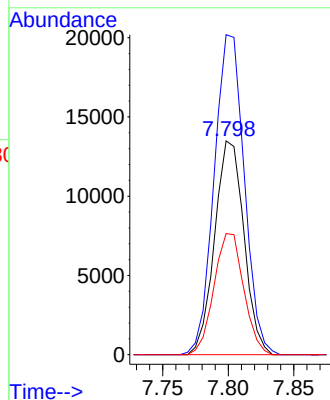
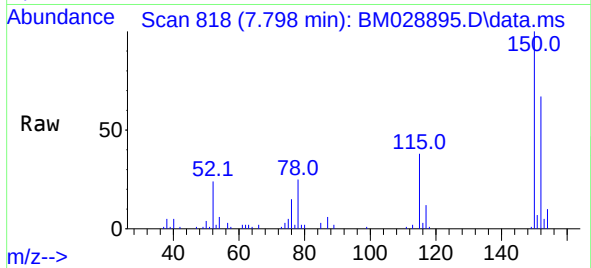
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.798 min Scan# 818
Delta R.T. -0.012 min
Lab File: BM028895.D
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Tgt Ion:152 Resp: 20962
Ion Ratio Lower Upper
152 100
150 149.6 120.6 181.0
115 56.7 47.2 70.8

Instrument :
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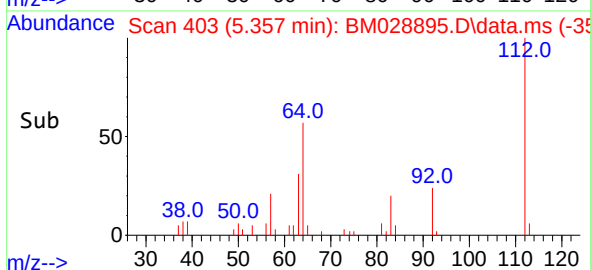
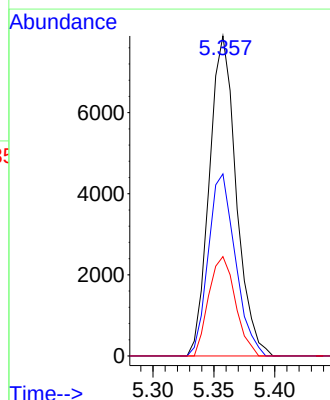
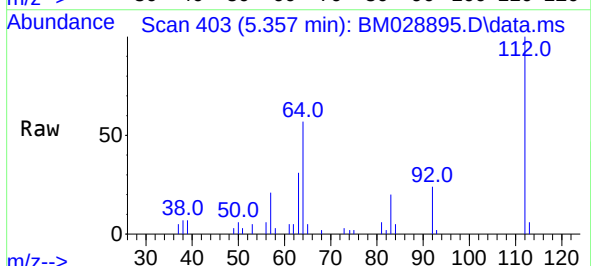
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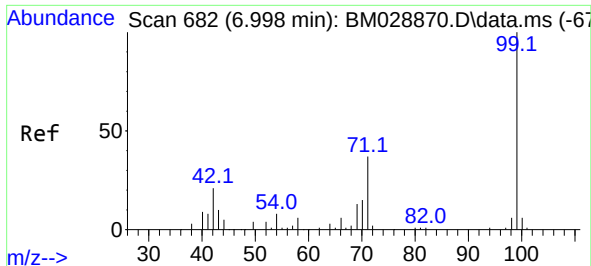
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#5
2-Fluorophenol
Concen: 9.57 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:112 Resp: 12105
Ion Ratio Lower Upper
112 100
64 56.9 50.6 76.0
63 31.1 31.0 46.6





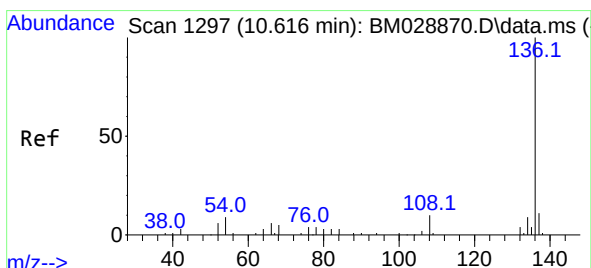
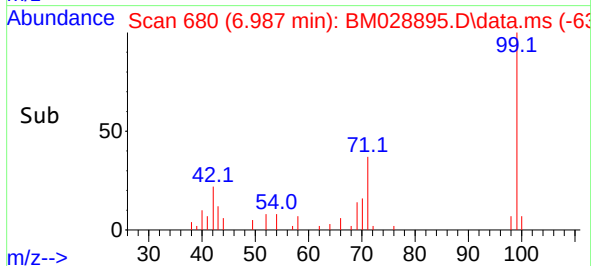
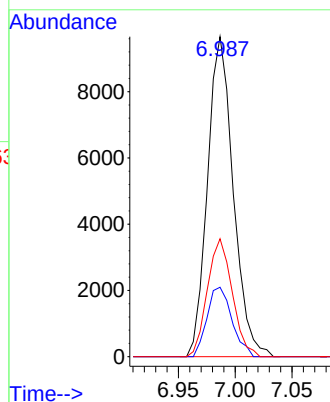
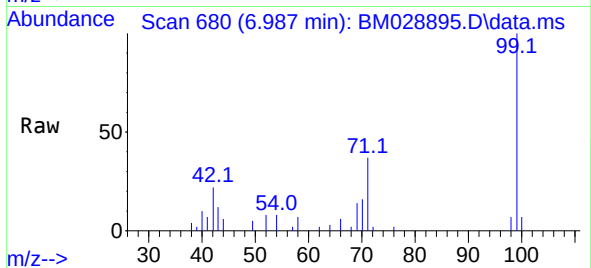
#7
Phenol-d6
Concen: 9.11 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion: 99 Resp: 15225
Ion Ratio Lower Upper
99 100
42 21.7 13.5 20.3#
71 36.8 39.4 59.0#

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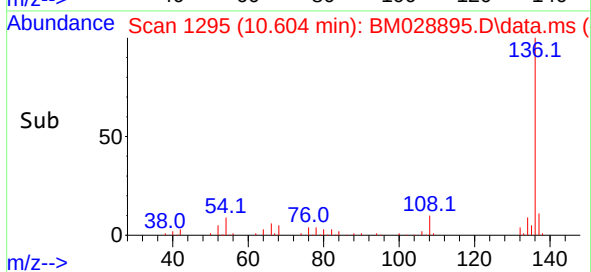
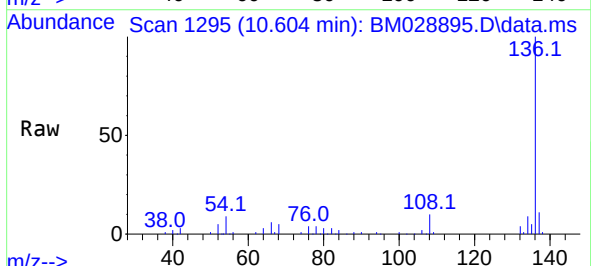
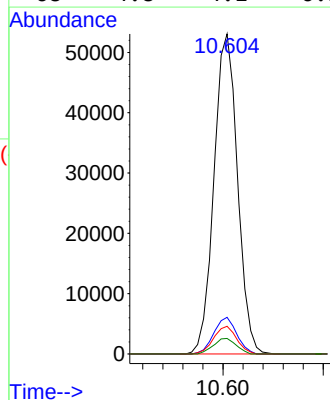
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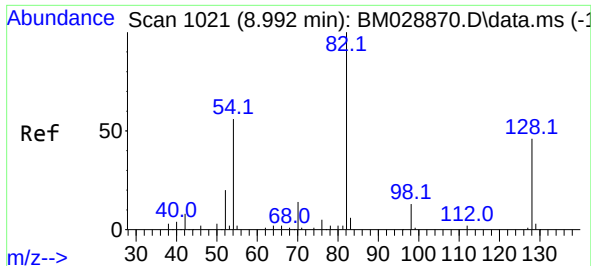
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion: 136 Resp: 86267
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.7 4.6 7.0#
68 4.8 4.1 6.1





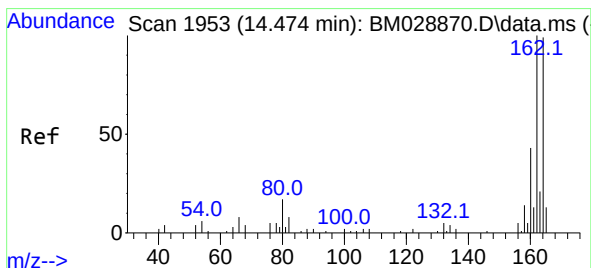
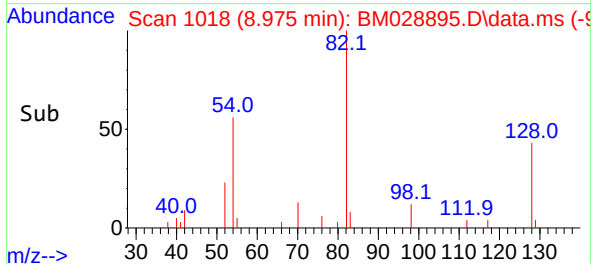
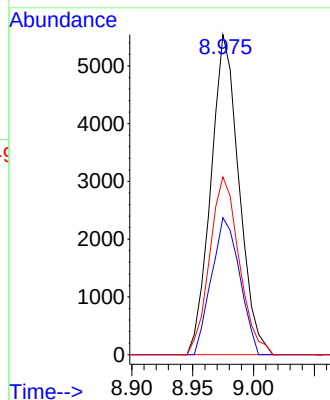
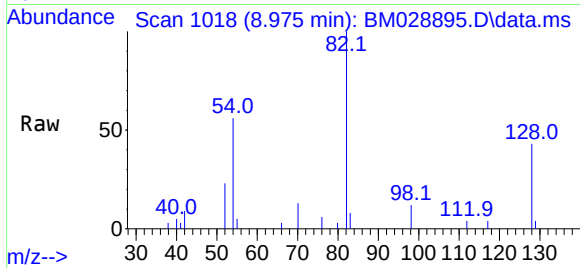
#23
Nitrobenzene-d5
Concen: 5.57 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:	82	Resp:	8900
Ion	Ratio	Lower	Upper
82	100		
128	42.8	27.4	41.0#
54	55.6	31.4	47.0#

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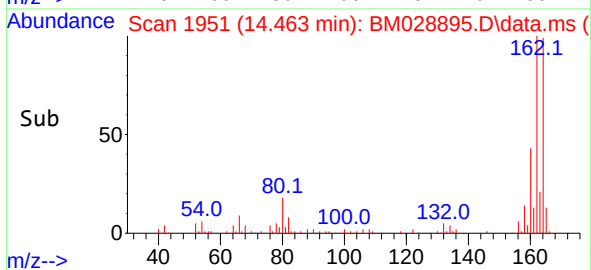
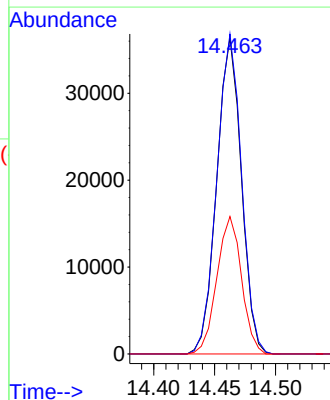
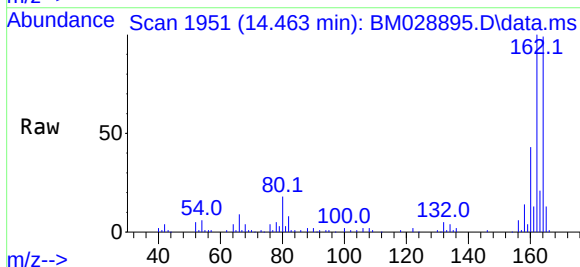
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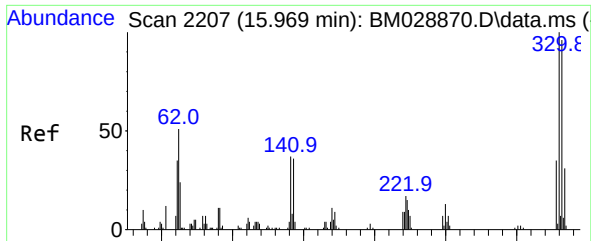
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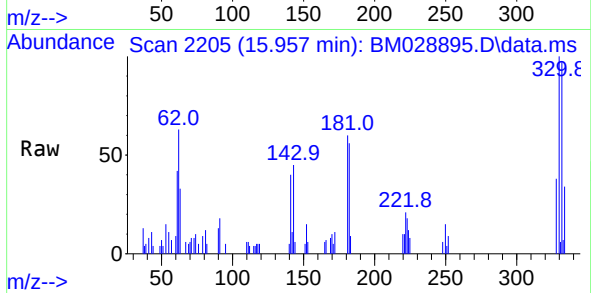
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:	164	Resp:	51107
Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.4	120.6
160	43.5	35.9	53.9

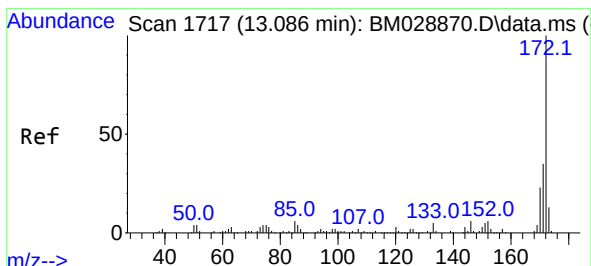
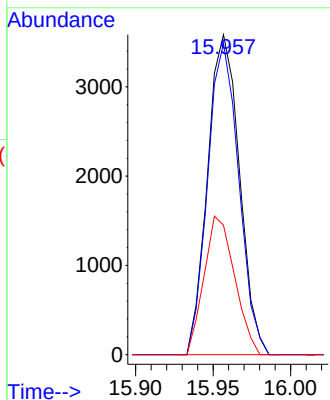
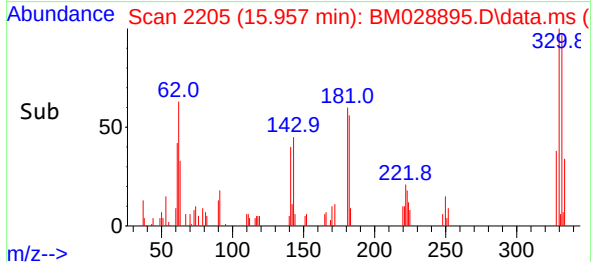




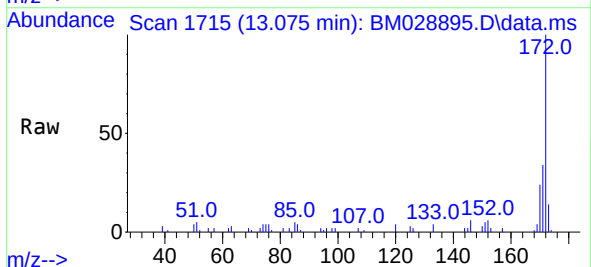
#42
2,4,6-Tribromophenol
Concen: 8.46 ng
RT: 15.957 min Scan# 2205
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



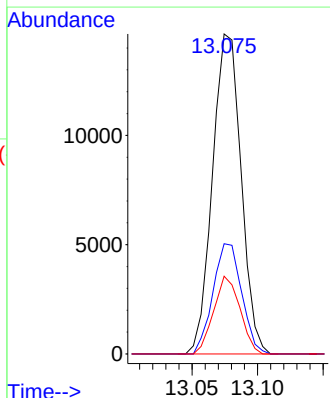
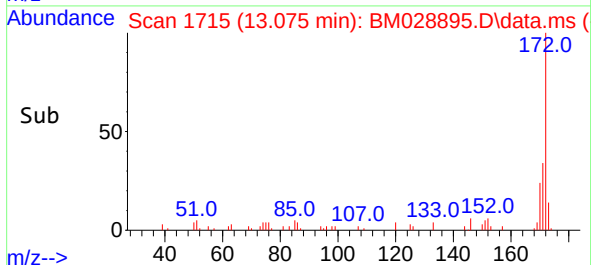
Tgt Ion:330 Resp: 5124
Ion Ratio Lower Upper
330 100
332 94.8 77.8 116.8
141 41.5 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 5.79 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



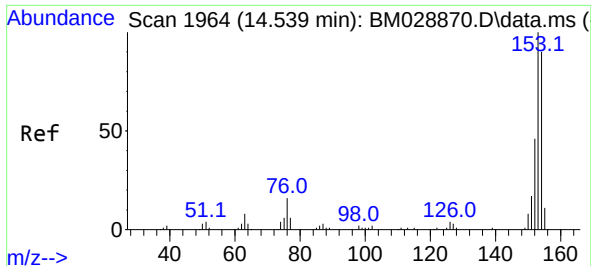
Tgt Ion:172 Resp: 22215
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 24.3 18.6 27.8



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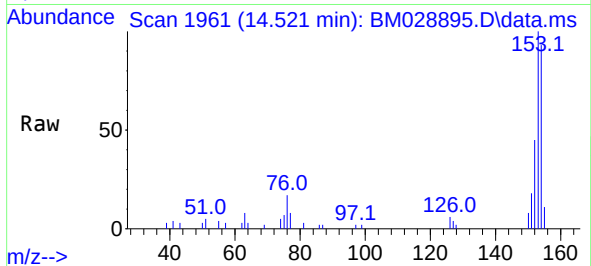
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#52
Acenaphthene
Concen: 3.27 ng
RT: 14.521 min Scan# 1961
Delta R.T. -0.018 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

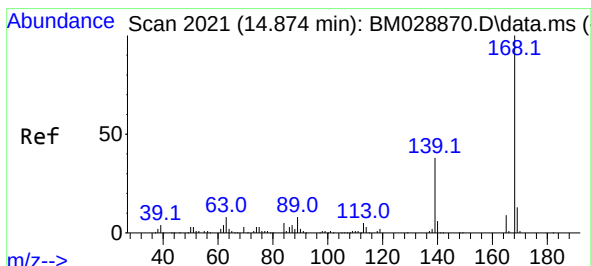
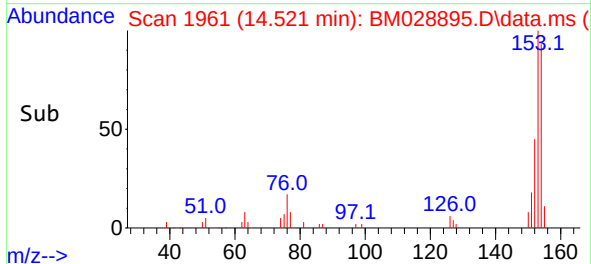
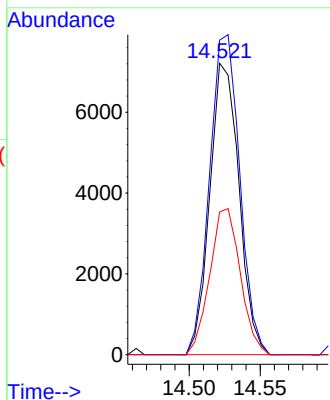
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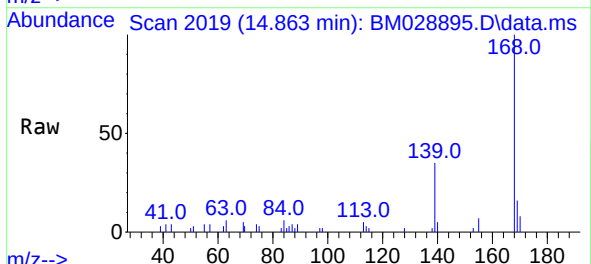
Tgt Ion:154 Resp: 10320
Ion Ratio Lower Upper
154 100
153 107.9 88.3 132.5
152 48.9 41.4 62.2

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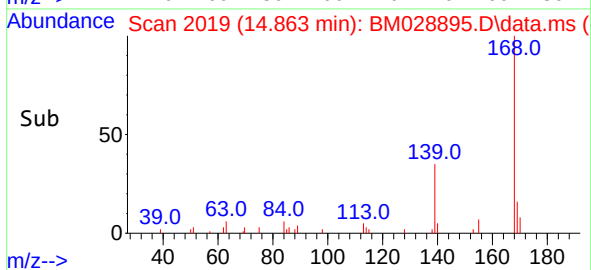
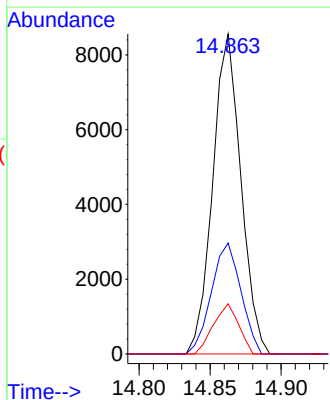
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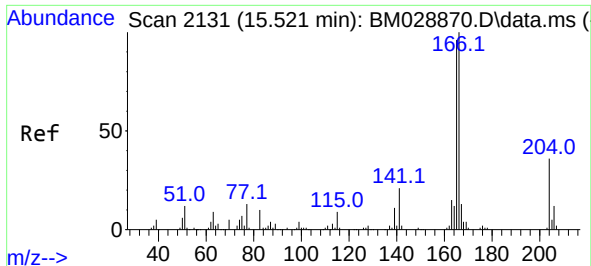


#55
Dibenzofuran
Concen: 2.38 ng
RT: 14.863 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

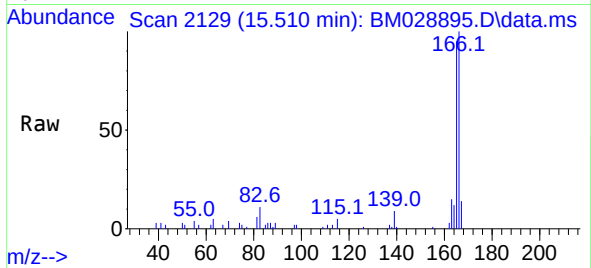


Tgt Ion:168 Resp: 11785
Ion Ratio Lower Upper
168 100
139 34.7 30.2 45.4
169 15.7 10.6 16.0

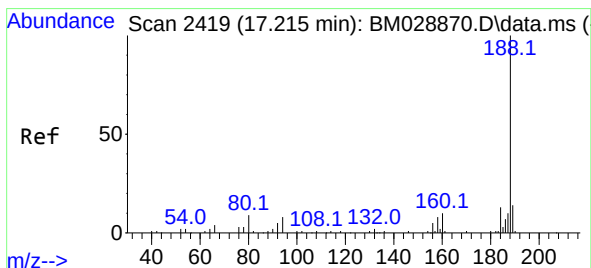
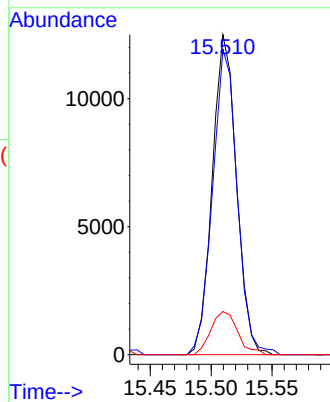
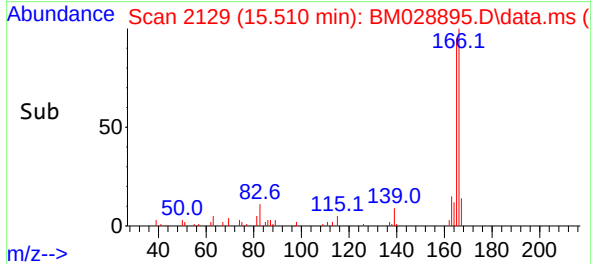




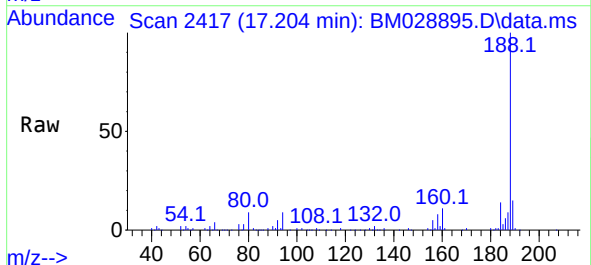
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Fluorene
Concen: 4.35 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



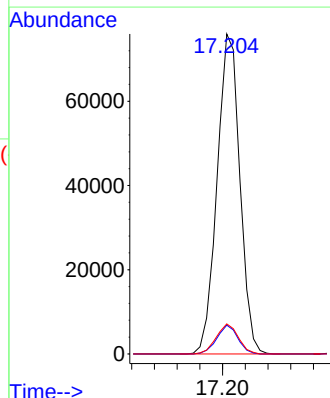
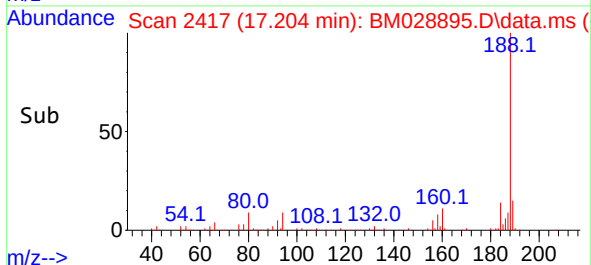
Tgt Ion:166 Resp: 17254
Ion Ratio Lower Upper
166 100
165 95.5 76.2 114.2
167 13.5 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



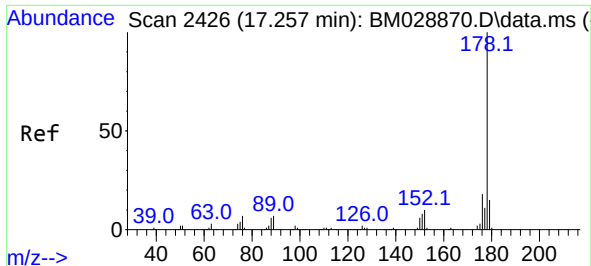
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Ion Ratio Lower Upper
188 100
94 9.0 6.2 9.4
80 9.4 7.5 11.3



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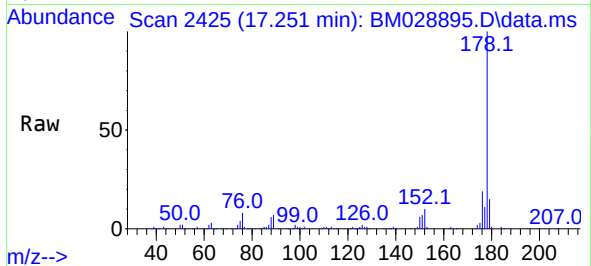
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#71
Phenanthrene
Concen: 27.36 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

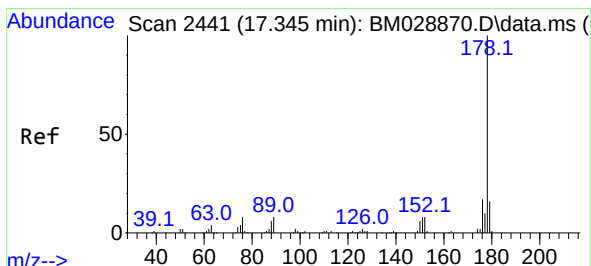
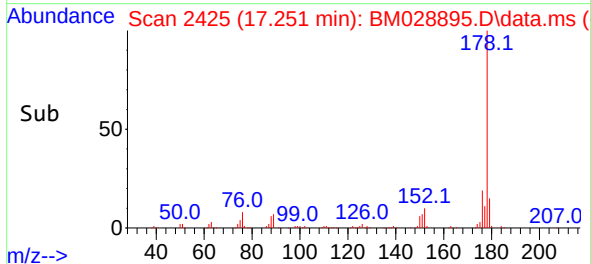
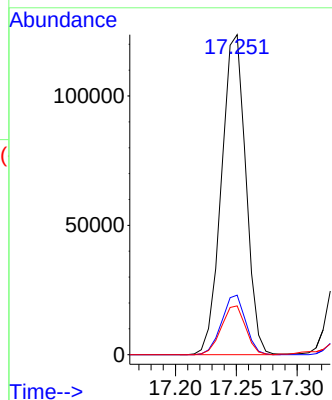
Instrument :
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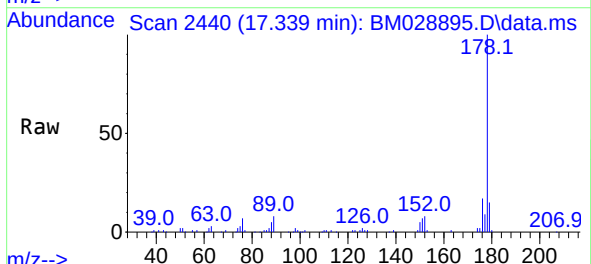
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Ion Ratio Lower Upper
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176 18.6 15.0 22.6
179 15.2 12.2 18.4

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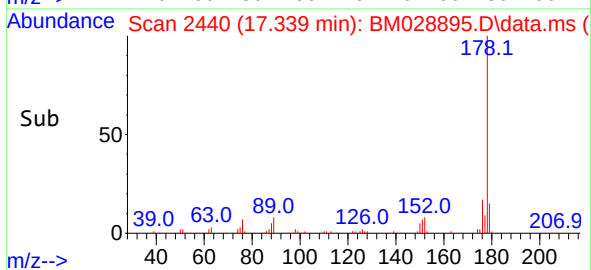
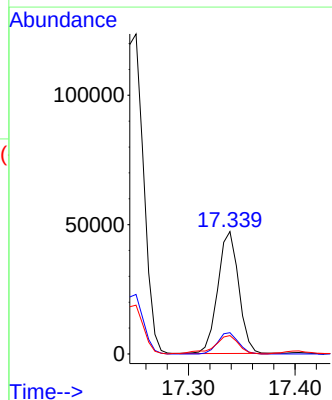
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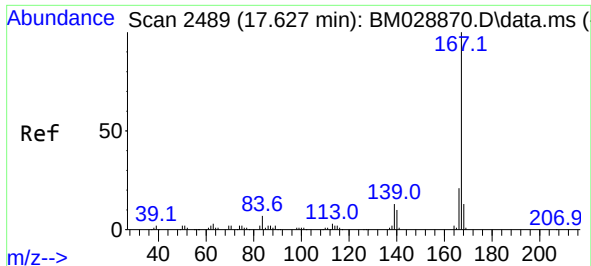


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Anthracene
Concen: 10.29 ng
RT: 17.339 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



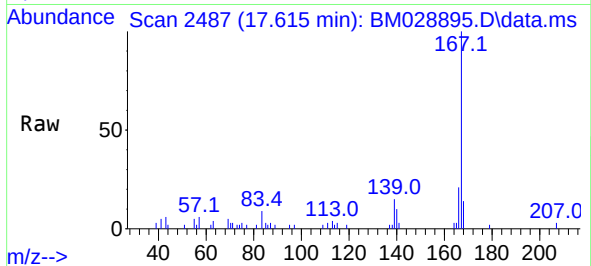
Tgt Ion:178 Resp: 64182
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.4
179 15.1 12.5 18.7





#73
 Carbazole
 Concen: 2.07 ng
 RT: 17.615 min Scan# 2487
 Delta R.T. -0.012 min
 Lab File: BM028895.D
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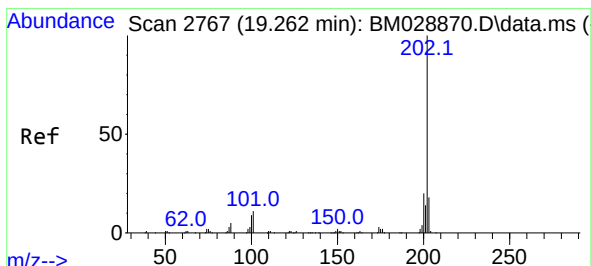
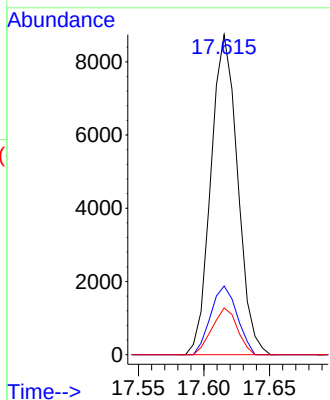
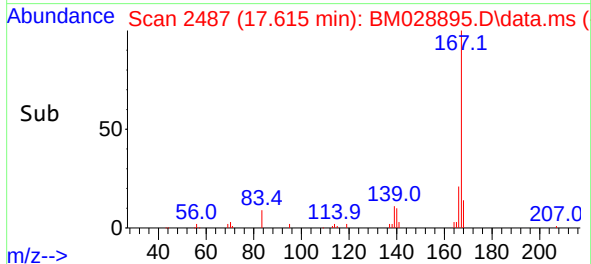
Instrument :
 BNA_M
 ClientSampleID :
 CL-01-022221DL



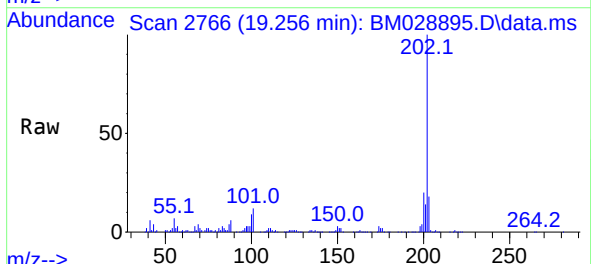
Tgt Ion:167	Resp:	12382
Ion Ratio	Lower	Upper
167	100	
166	21.5	16.9 25.3
139	14.6	9.9 14.9

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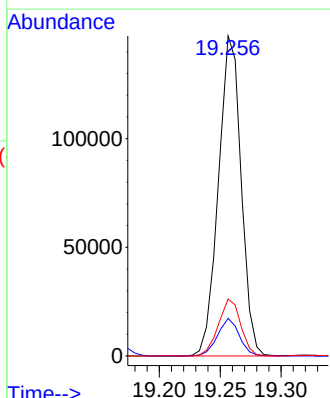
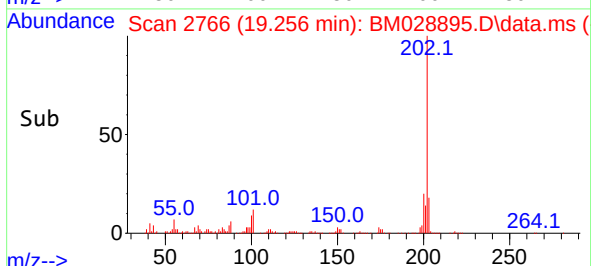
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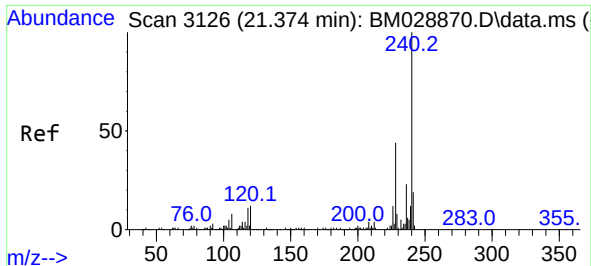


#75
 Fluoranthene
 Concen: 27.62 ng
 RT: 19.256 min Scan# 2766
 Delta R.T. -0.006 min
 Lab File: BM028895.D
 Acq: 25 Feb 2021 12:11



Tgt Ion:202	Resp:	191072
Ion Ratio	Lower	Upper
202	100	
101	11.8	0.0 28.5
203	17.8	0.0 37.3





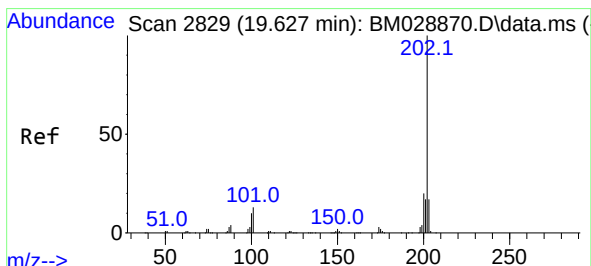
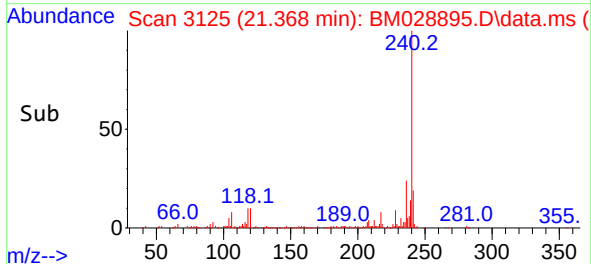
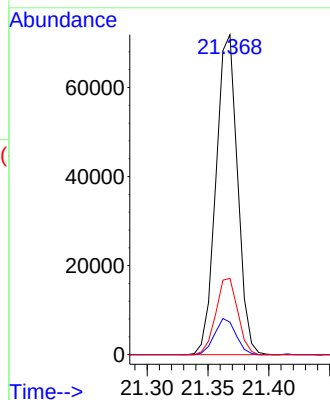
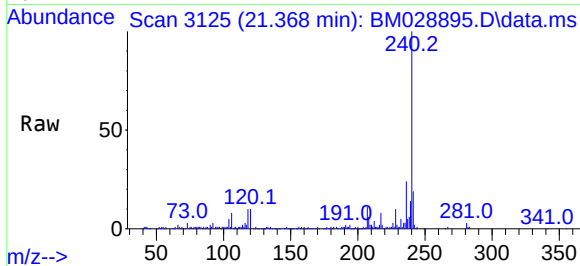
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:240 Resp: 88600
Ion Ratio Lower Upper
240 100
120 10.1 6.4 9.6#
236 23.9 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
CL-01-022221DL

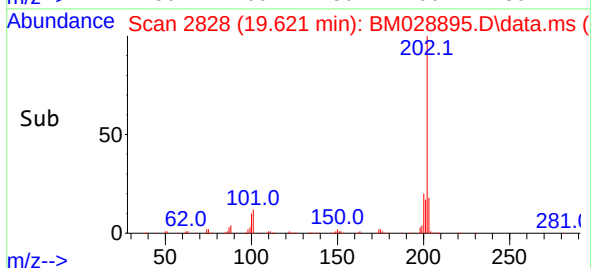
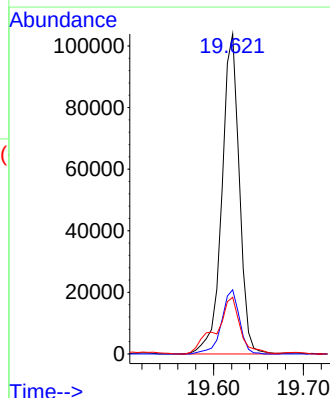
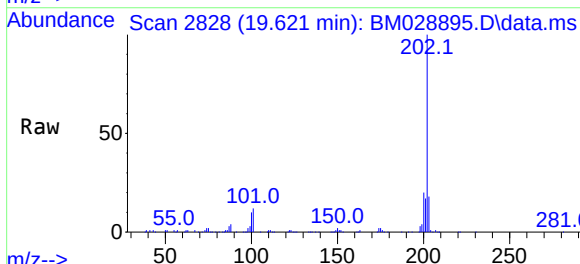
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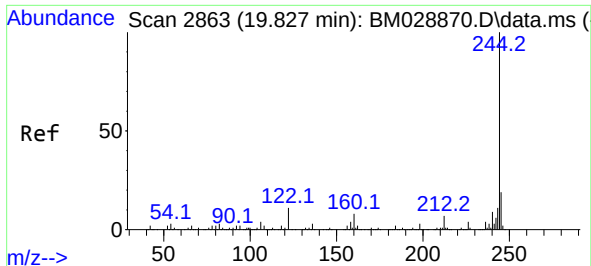
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#78
Pyrene
Concen: 21.52 ng
RT: 19.621 min Scan# 2828
Delta R.T. -0.006 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:202 Resp: 140070
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.7 13.8 20.6





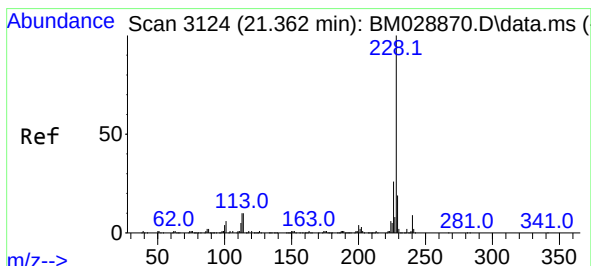
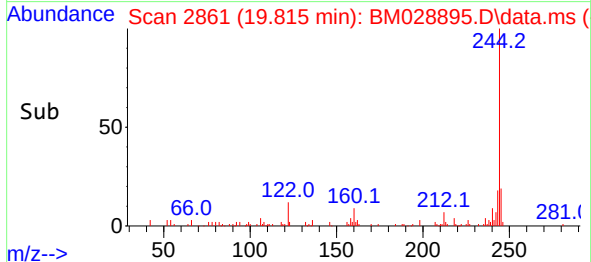
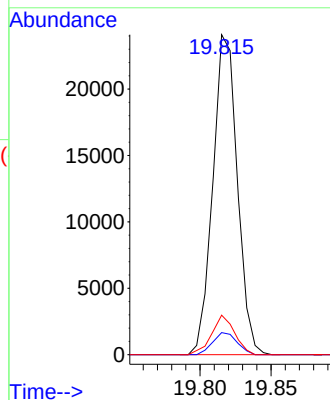
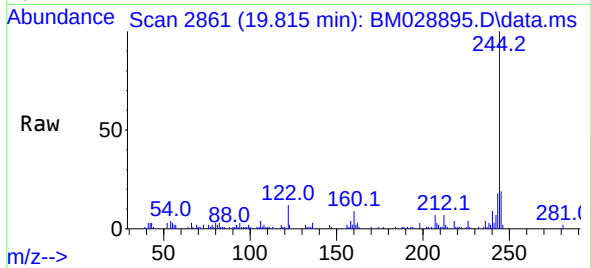
#79
 Terphenyl-d14
 Concen: 6.02 ng
 RT: 19.815 min Scan# 2861
 Delta R.T. -0.012 min
 Lab File: BM028895.D
 Acq: 25 Feb 2021 12:11

Tgt Ion:	244	Resp:	28881
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	12.3	6.5	9.7#

Instrument :
 BNA_M
 ClientSampleId :
 CL-01-022221DL

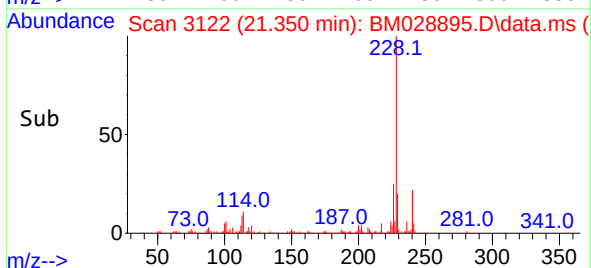
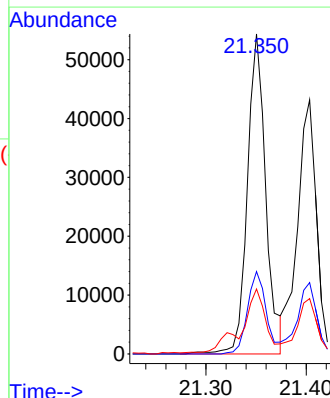
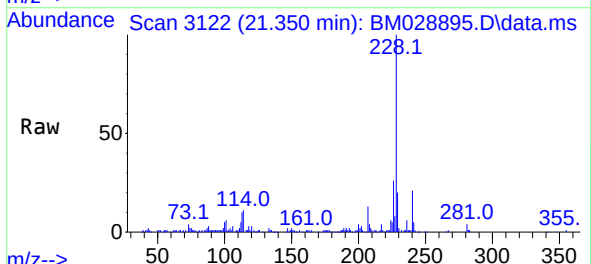
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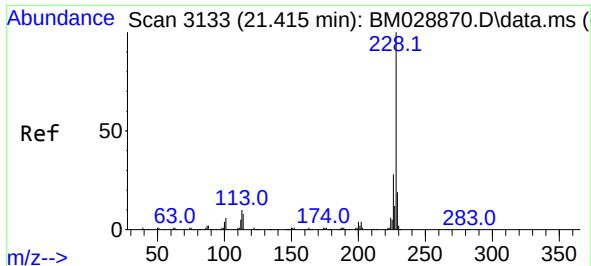
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#81
 Benzo(a)anthracene
 Concen: 11.28 ng
 RT: 21.350 min Scan# 3122
 Delta R.T. -0.012 min
 Lab File: BM028895.D
 Acq: 25 Feb 2021 12:11

Tgt Ion:	228	Resp:	69384
Ion Ratio	Lower	Upper	
228	100		
226	25.7	21.1	31.7
229	20.3	15.7	23.5





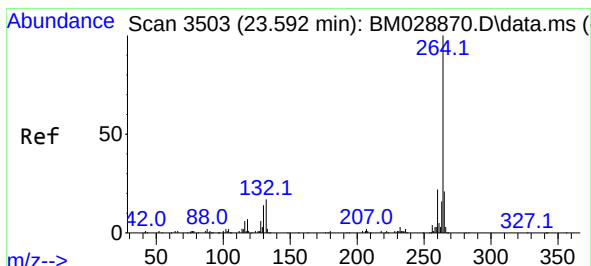
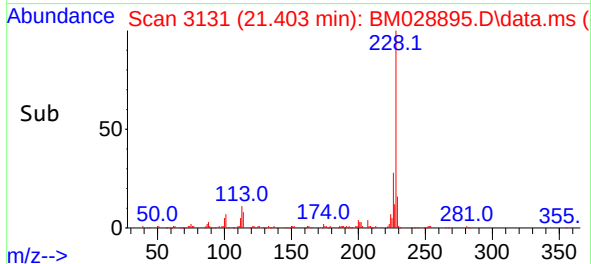
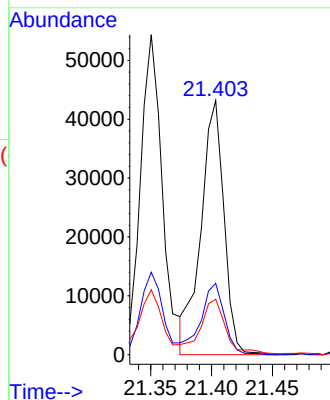
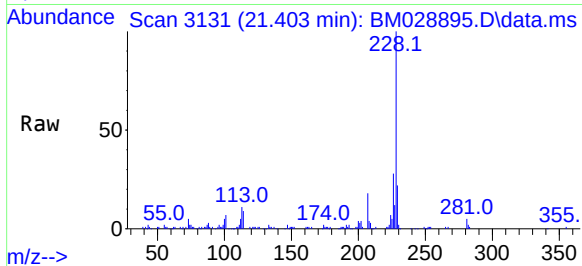
#83
Chrysene
Concen: 9.51 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:228 Resp: 56962
Ion Ratio Lower Upper
228 100
226 28.1 23.4 35.0
229 21.8 15.7 23.5

Instrument :
BNA_M
ClientSampleId :
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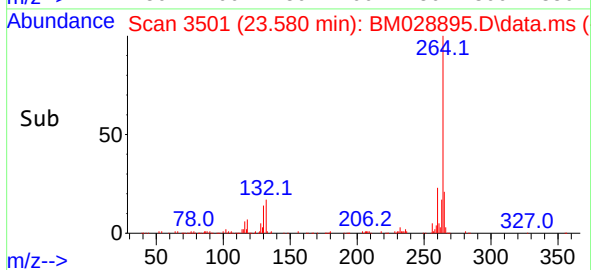
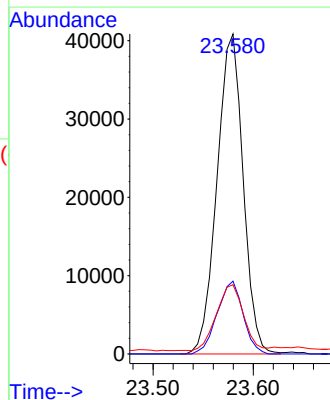
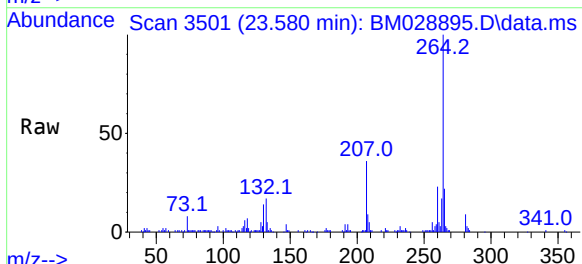
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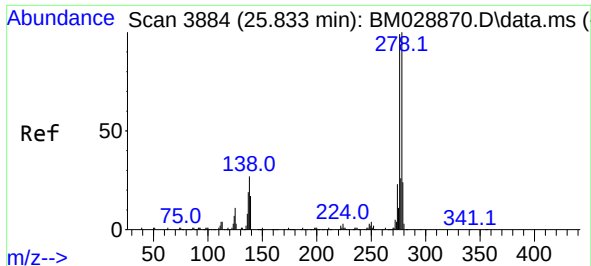
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.580 min Scan# 3501
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:264 Resp: 73947
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.4
265 21.7 17.7 26.5





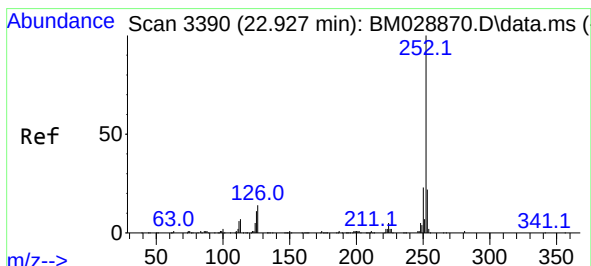
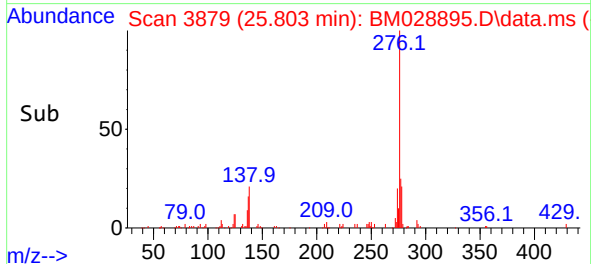
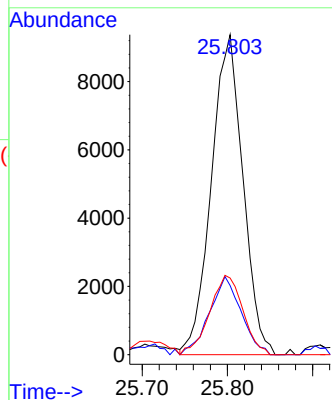
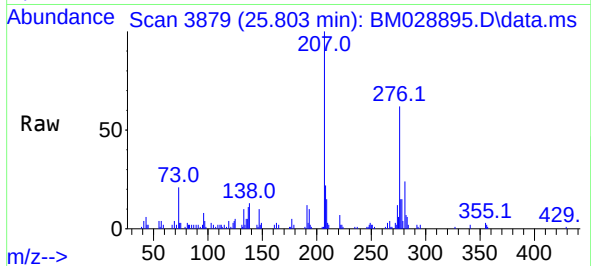
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.33 ng
RT: 25.803 min Scan# 3879
Delta R.T. -0.029 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:	276	Resp:	24140
Ion Ratio	Lower	Upper	
276	100		
138	24.5	14.2	21.4#
277	26.1	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
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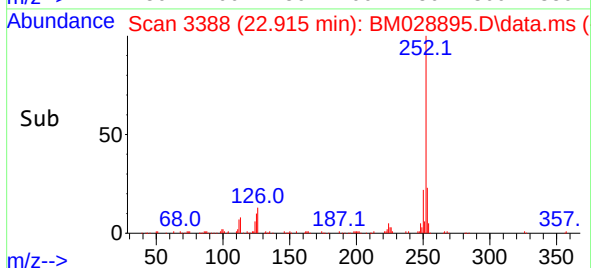
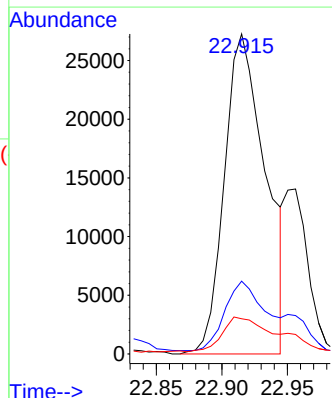
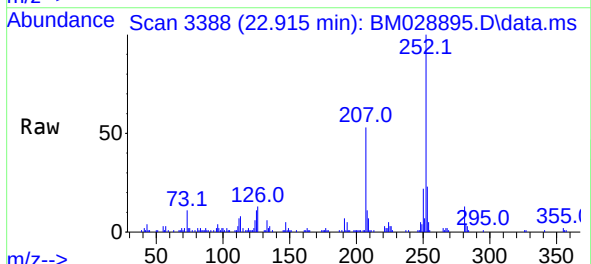
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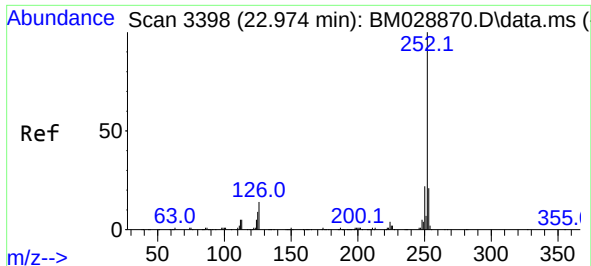
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#88
Benzo(b)fluoranthene
Concen: 11.40 ng
RT: 22.915 min Scan# 3388
Delta R.T. -0.012 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11

Tgt Ion:	252	Resp:	59531
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	11.0	5.7	8.5#





#89

Benzo(k)fluoranthene

Concen: 3.50 ng m

RT: 22.956 min Scan# 3395

Delta R.T. -0.018 min

Lab File: BM028895.D

Acq: 25 Feb 2021 12:11

Tgt Ion:	252	Resp:	17370
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	11.8	5.6	8.4#

Instrument :

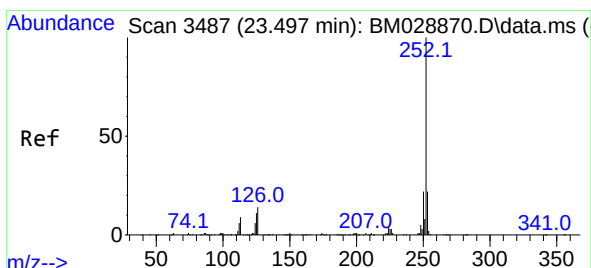
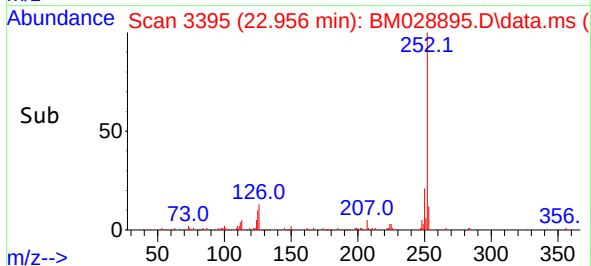
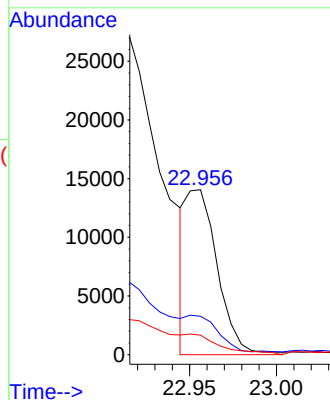
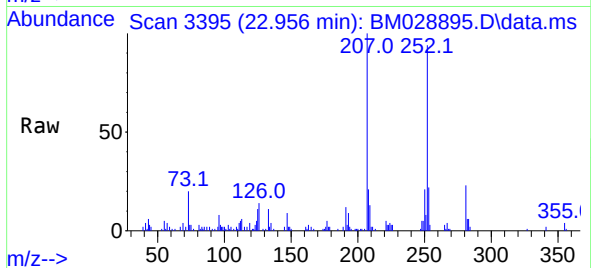
BNA_M

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 8.32 ng

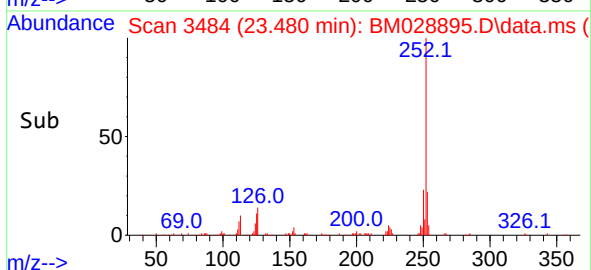
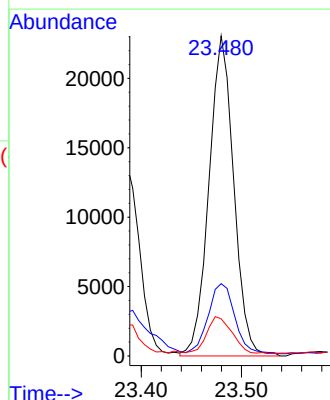
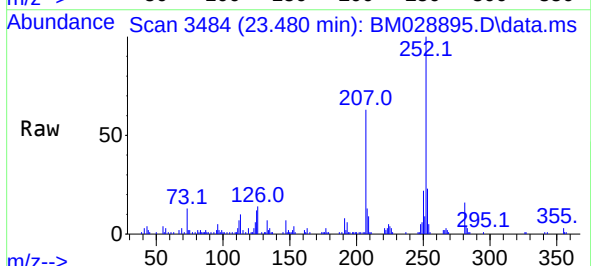
RT: 23.480 min Scan# 3484

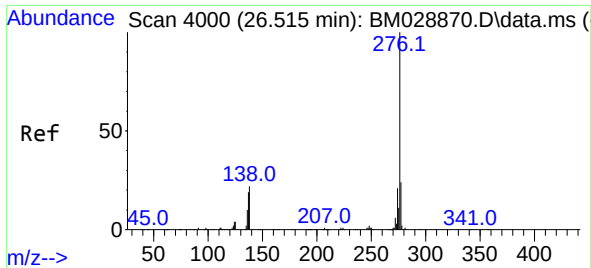
Delta R.T. -0.018 min

Lab File: BM028895.D

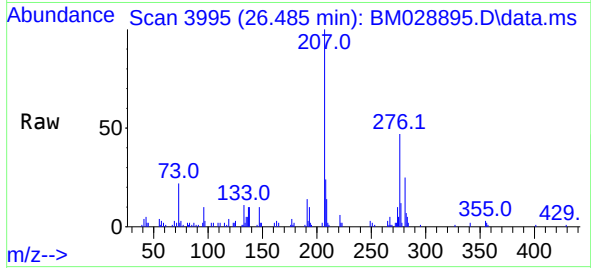
Acq: 25 Feb 2021 12:11

Tgt Ion:	252	Resp:	39635
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.2
125	11.6	6.6	9.8#

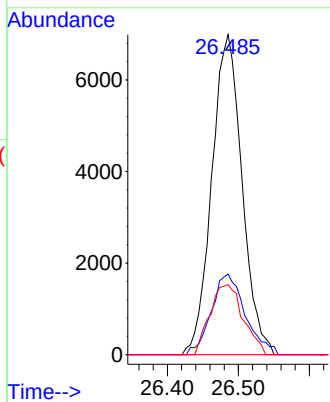
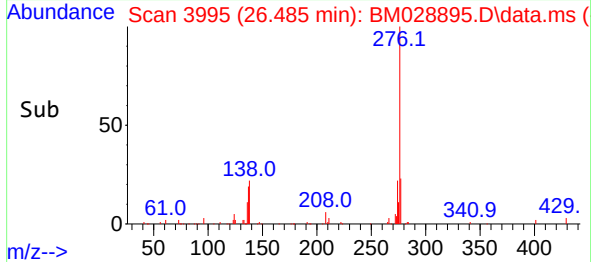




#92
Benzo(g,h,i)perylene
Concen: 4.41 ng
RT: 26.485 min Scan# 3995
Delta R.T. -0.029 min
Lab File: BM028895.D
Acq: 25 Feb 2021 12:11



Tgt Ion: 276 Resp: 20651
Ion Ratio Lower Upper
276 100
277 25.2 18.6 28.0
138 21.9 12.2 18.2#



Instrument :
BNA_M
ClientSampleId :
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