

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
 Data File : BM032544.D
 Acq On : 16 Oct 2021 02:20
 Operator : CG/JU
 Sample : M4029-07
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C00R2

Manual Integrations
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Quant Time: Oct 18 04:10:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 15 12:37:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	7210	0.40	ng/ul	0.00
4) Naphthalene-d8	10.339	136	21746	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.209	164	10500	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	18357	0.40	ng/ul	0.00
17) Chrysene-d12	21.123	240	13084	0.40	ng/ul	-0.01
23) Perylene-d12	23.256	264	13557	0.40	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.923	96	18775	2.32	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	4095	0.14	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	7280	0.18	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.389	128	10737	0.16	ng/ul	99
7) 2-Methylnaphthalene	12.008	142	7238	0.17	ng/ul	99
8) 1-Methylnaphthalene	12.233	142	4274	0.10	ng/ul	100
10) Acenaphthylene	13.928	152	3761	0.08	ng/ul	95
11) Acenaphthene	14.274	153	911	0.02	ng/ul	93
12) Fluorene	15.260	166	1666	0.04	ng/ul#	85
15) Phenanthrene	16.988	178	25939	0.42	ng/ul	100
16) Anthracene	17.078	178	4131	0.08	ng/ul#	94
19) Fluoranthene	19.004	202	52146	0.81	ng/ul	99
20) Pyrene	19.366	202	49151	0.74	ng/ul	99
21) Benzo(a)anthracene	21.106	228	21474m	0.42	ng/ul	
22) Chrysene	21.157	228	33736	0.60	ng/ul#	96
24) Benzo(b)fluoranthene	22.624	252	41402m	0.66	ng/ul	
25) Benzo(k)fluoranthene	22.660	252	12846m	0.21	ng/ul	
26) Benzo(a)pyrene	23.164	252	24692	0.47	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.355	276	20070	0.31	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.355	278	5169	0.10	ng/ul#	70
29) Benzo(g,h,i)perylene	26.002	276	20524	0.37	ng/ul	98

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

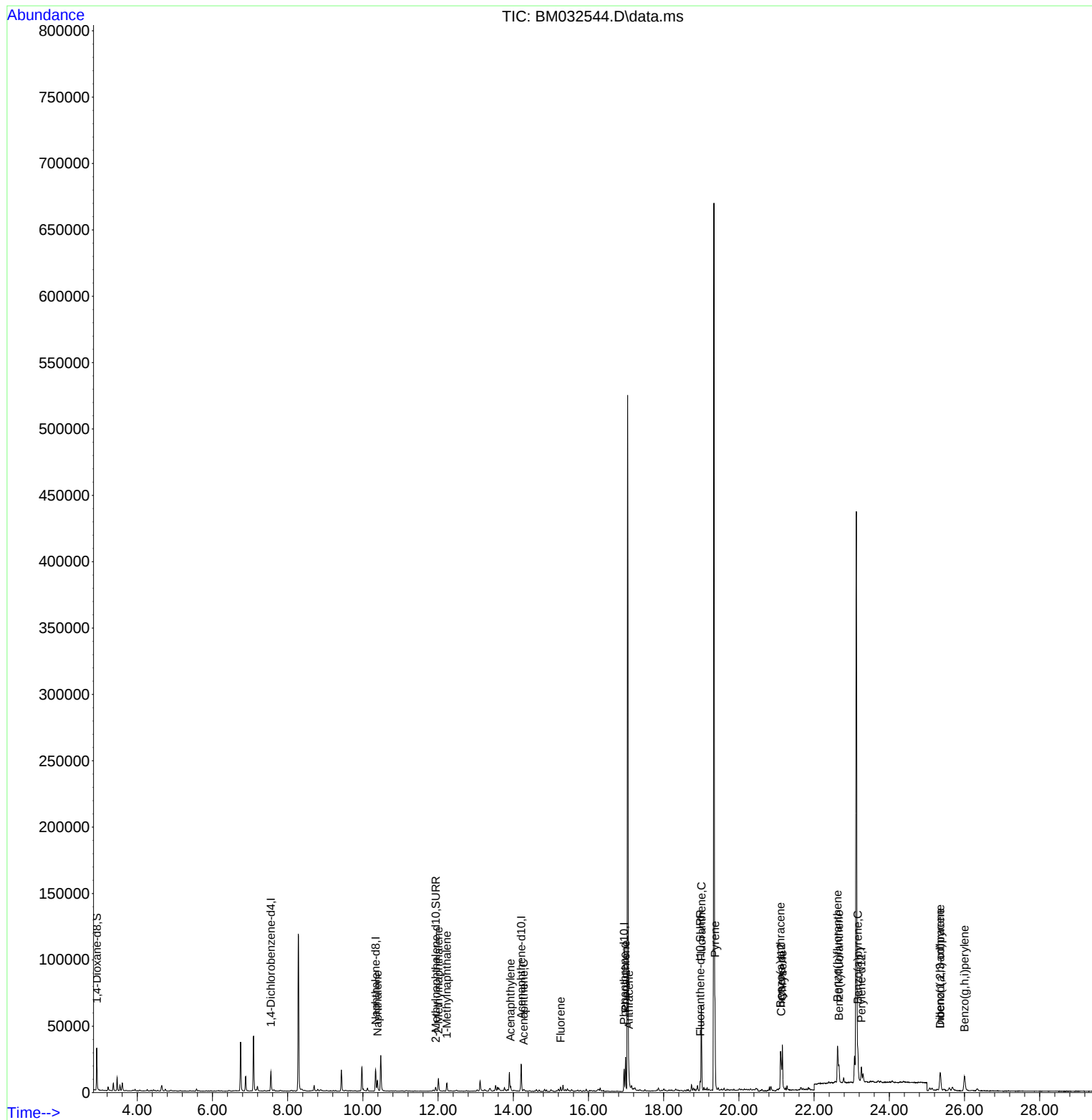
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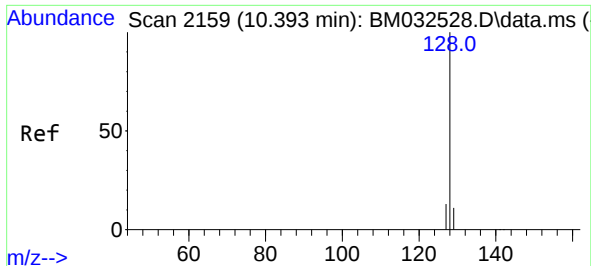
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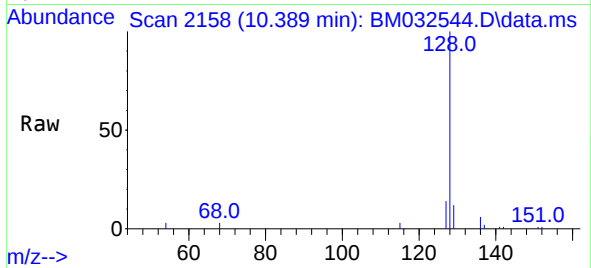
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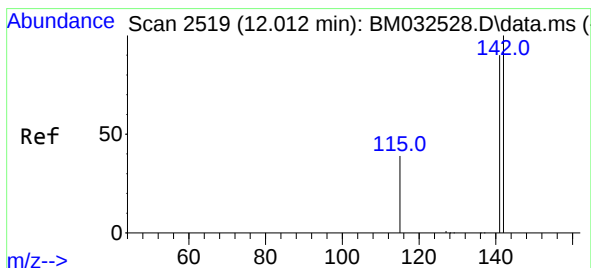
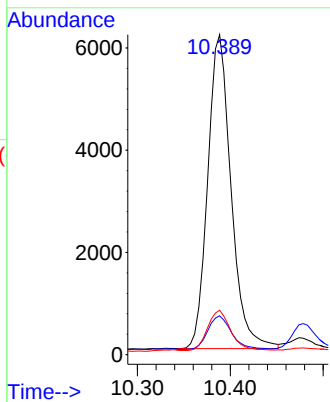
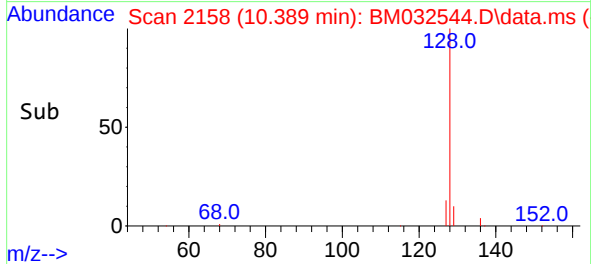




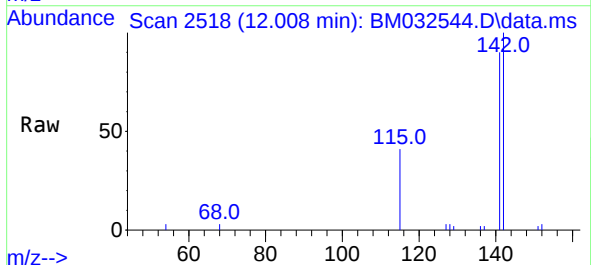
#5
Naphthalene
Concen: 0.16 ng/ul
RT: 10.389 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20



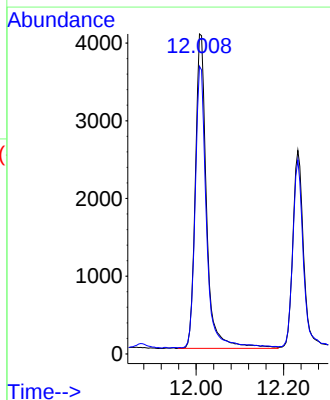
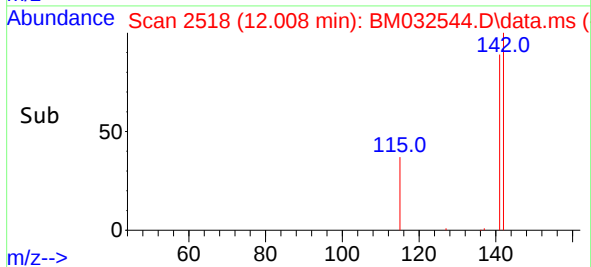
Tgt Ion:128 Resp: 10737
Ion Ratio Lower Upper
128 100
129 12.1 9.1 13.7
127 13.9 11.1 16.7



#7
2-Methylnaphthalene
Concen: 0.17 ng/ul
RT: 12.008 min Scan# 2518
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20



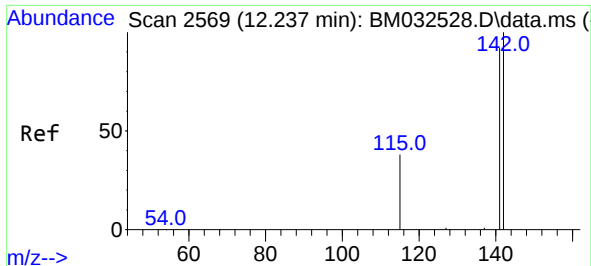
Tgt Ion:142 Resp: 7238
Ion Ratio Lower Upper
142 100
141 89.5 72.2 108.2



Instrument :
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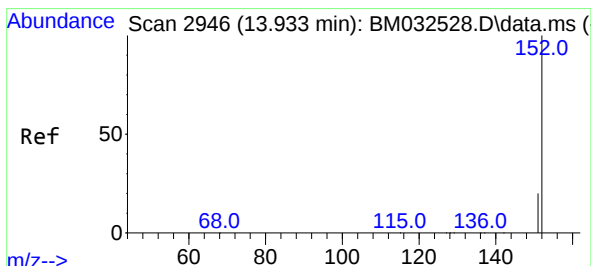
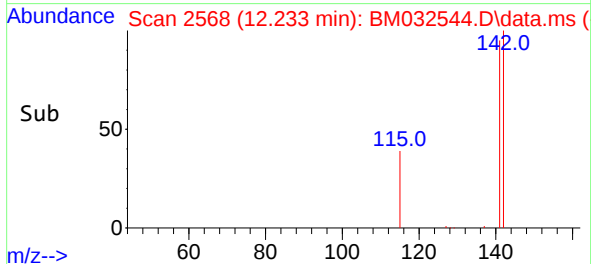
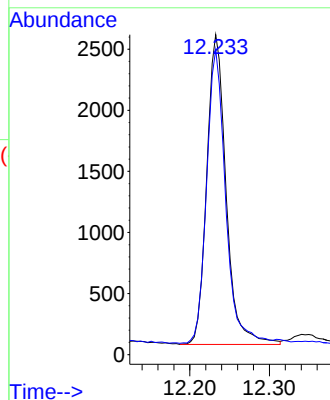
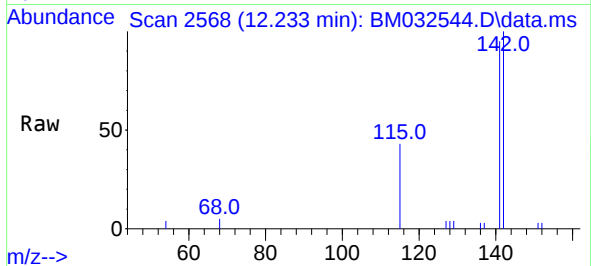
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1-Methylnaphthalene
Concen: 0.10 ng/ul
RT: 12.233 min Scan# 2568
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:142 Resp: 4274
Ion Ratio Lower Upper
142 100
141 93.2 74.9 112.3

Instrument :
BNA_M
ClientSampled :
C00R2

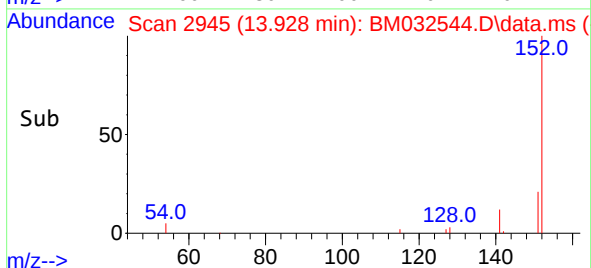
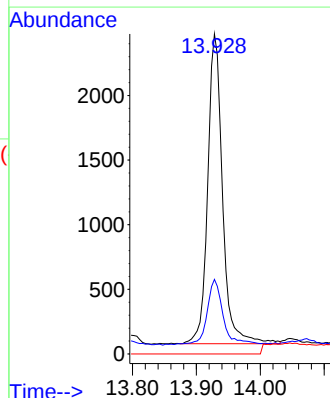
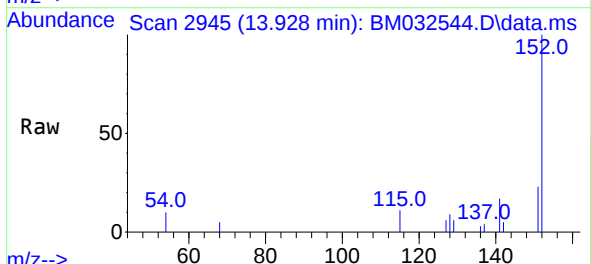
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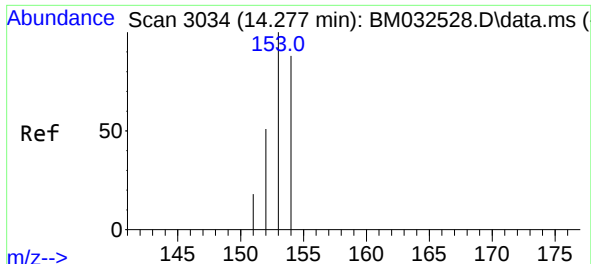
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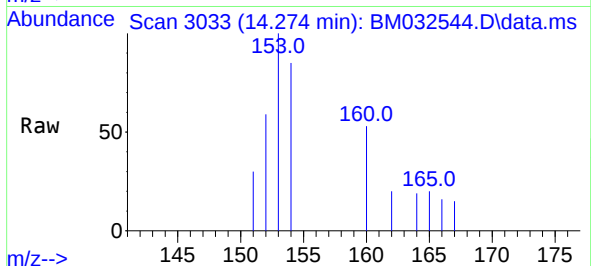
#10
Acenaphthylene
Concen: 0.08 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:152 Resp: 3761
Ion Ratio Lower Upper
152 100
151 23.3 16.7 25.1
153 0.0 0.0 0.0

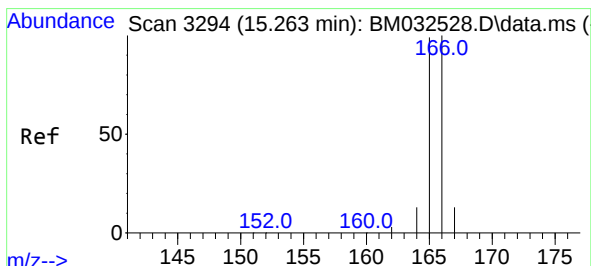
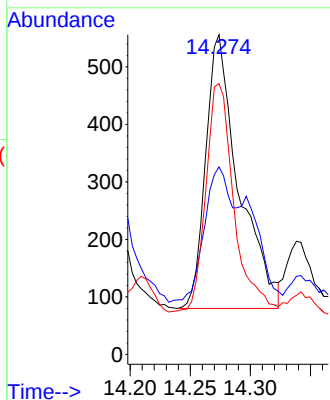
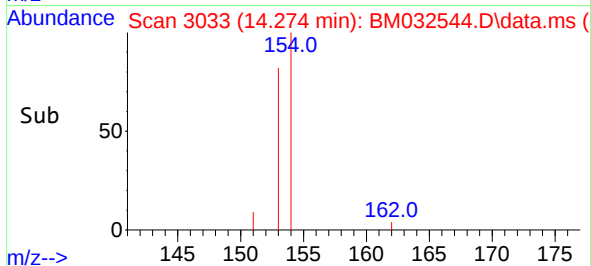




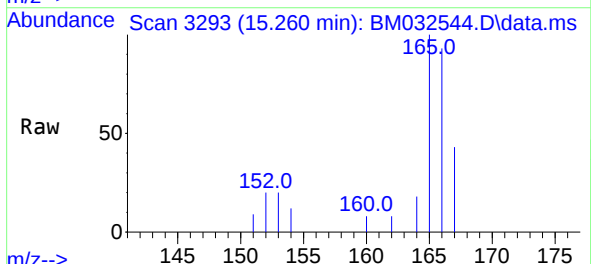
#11
Acenaphthene
Concen: 0.02 ng/ul
RT: 14.274 min Scan# 3033
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20



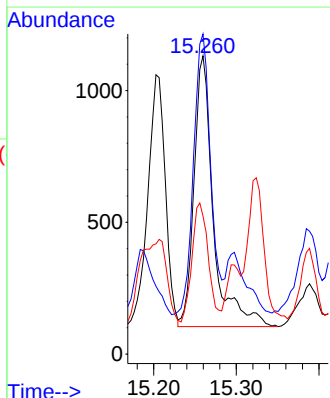
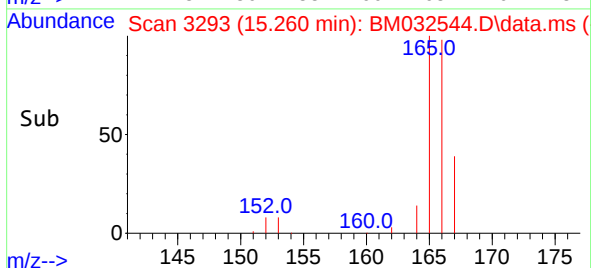
Tgt Ion:153 Resp: 911
Ion Ratio Lower Upper
153 100
152 58.6 40.4 60.6
154 84.7 70.8 106.2



#12
Fluorene
Concen: 0.04 ng/ul
RT: 15.260 min Scan# 3293
Delta R.T. -0.004 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20



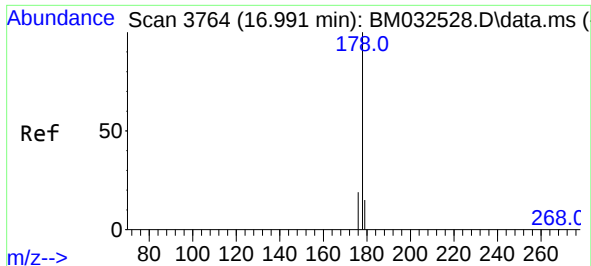
Tgt Ion:166 Resp: 1666
Ion Ratio Lower Upper
166 100
165 107.3 80.7 121.1
167 46.3 11.2 16.8#



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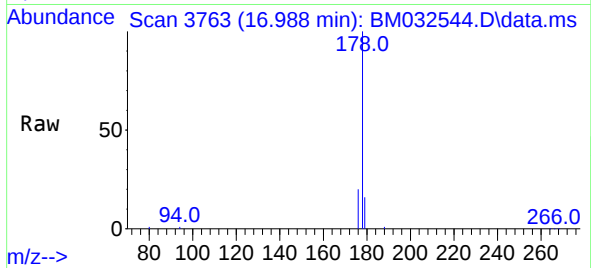
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#15
Phenanthrene
Concen: 0.42 ng/ul
RT: 16.988 min Scan# 3763
Delta R.T. -0.007 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

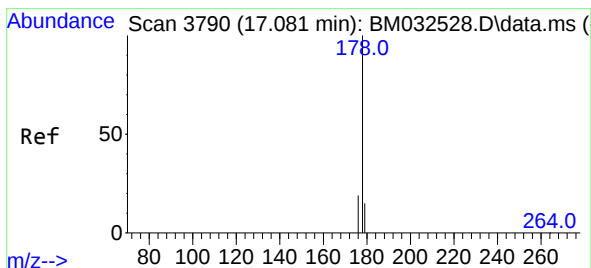
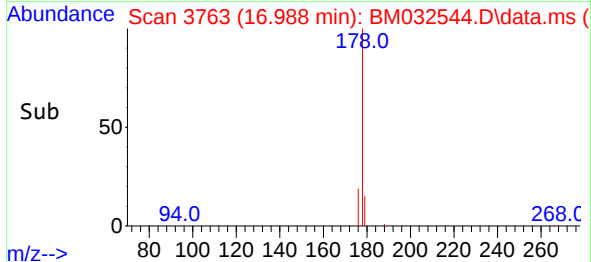
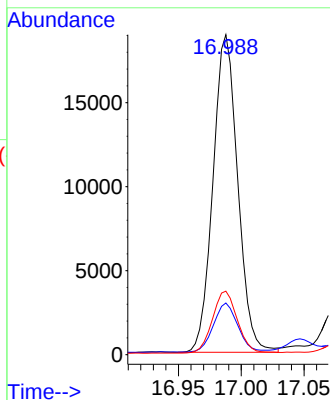
Instrument :
BNA_M
ClientSampled :
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Tgt Ion:178 Resp: 25939
Ion Ratio Lower Upper
178 100
179 16.2 12.9 19.3
176 19.9 16.1 24.1

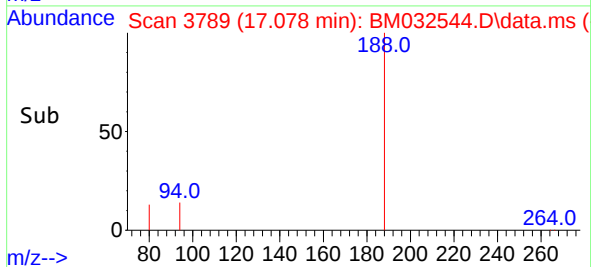
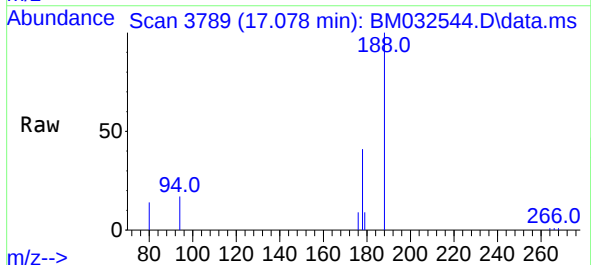
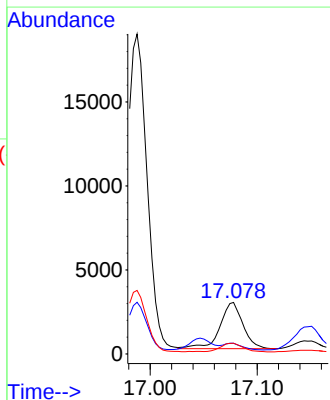
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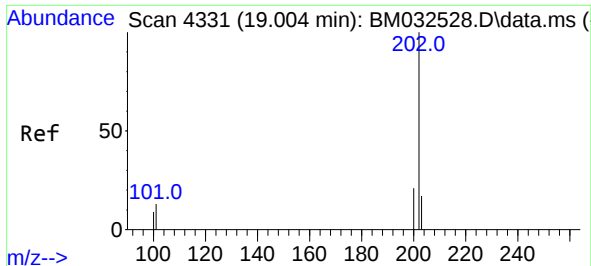
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#16
Anthracene
Concen: 0.08 ng/ul
RT: 17.078 min Scan# 3789
Delta R.T. -0.007 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:178 Resp: 4131
Ion Ratio Lower Upper
178 100
179 20.8 12.9 19.3#
176 20.9 15.8 23.6





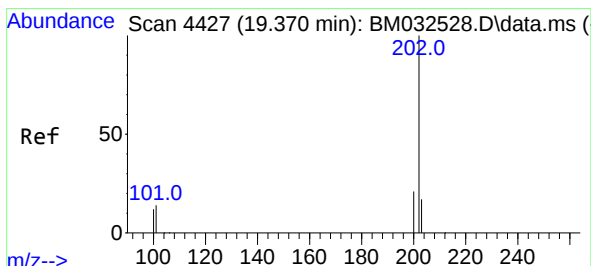
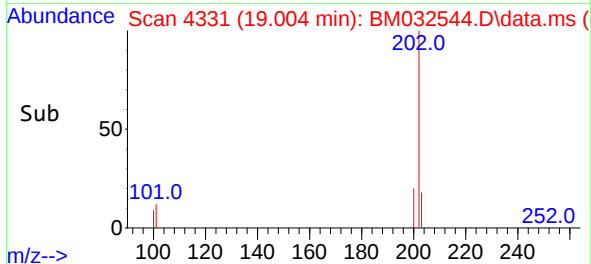
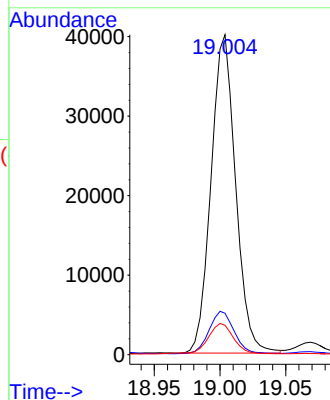
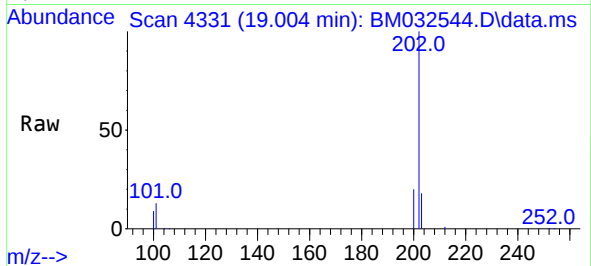
#19
Fluoranthene
Concen: 0.81 ng/ul
RT: 19.004 min Scan# 4331
Delta R.T. -0.008 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:	202	Resp:	52146
Ion Ratio	Lower	Upper	
202	100		
101	12.9	10.6	16.0
100	9.2	7.8	11.8

Instrument :
BNA_M
ClientSampled :
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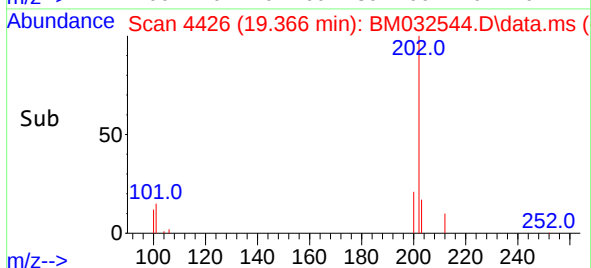
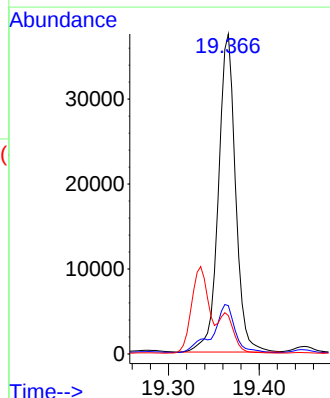
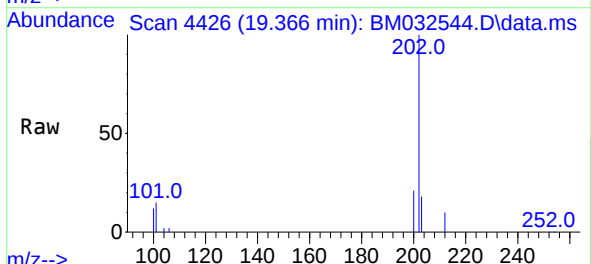
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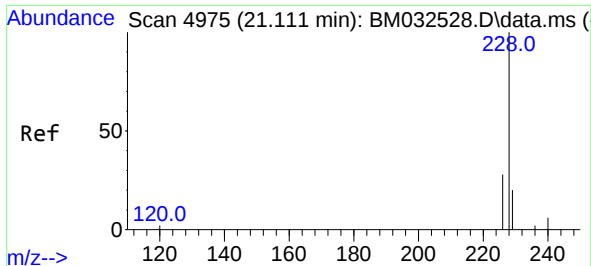
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#20
Pyrene
Concen: 0.74 ng/ul
RT: 19.366 min Scan# 4426
Delta R.T. -0.008 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:	202	Resp:	49151
Ion Ratio	Lower	Upper	
202	100		
101	15.1	12.3	18.5
100	12.0	10.1	15.1





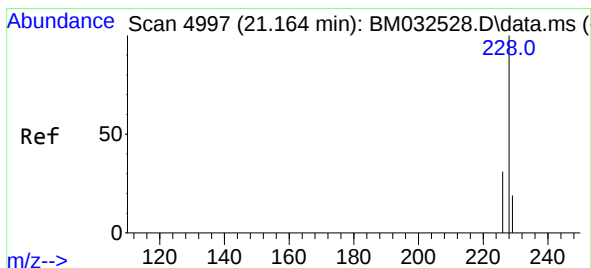
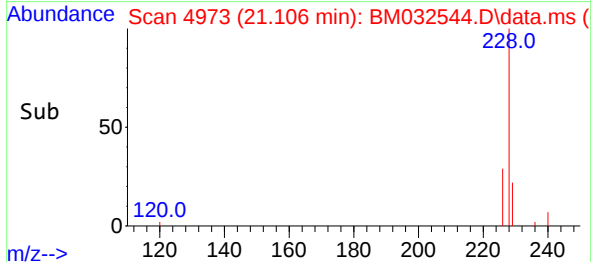
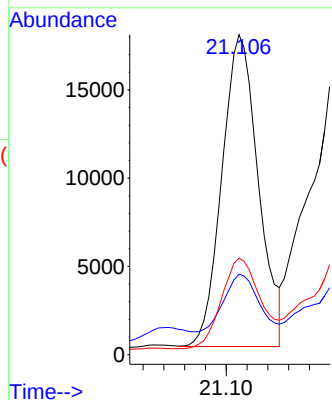
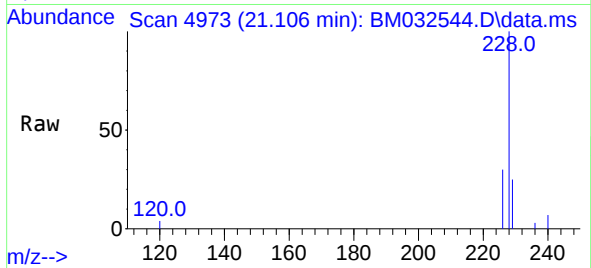
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Benzo(a)anthracene
Concen: 0.42 ng/ul m
RT: 21.106 min Scan# 4973
Delta R.T. -0.014 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:228 Resp: 21474
Ion Ratio Lower Upper
228 100
229 25.1 15.9 23.9#
226 30.2 22.4 33.6

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C00R2

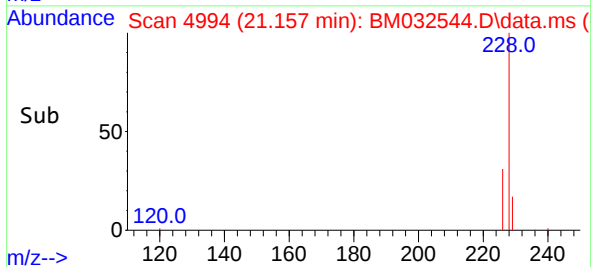
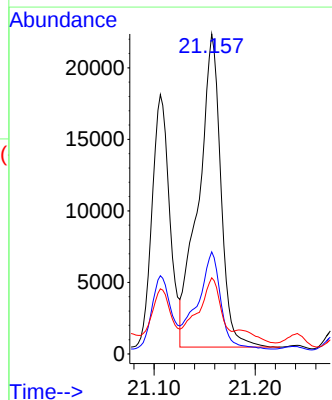
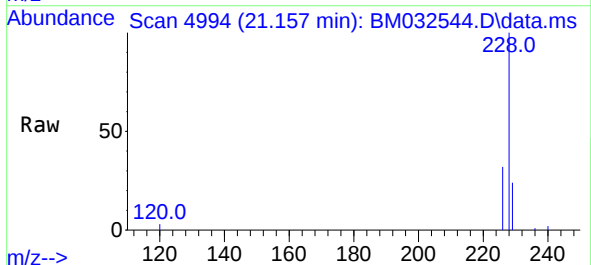
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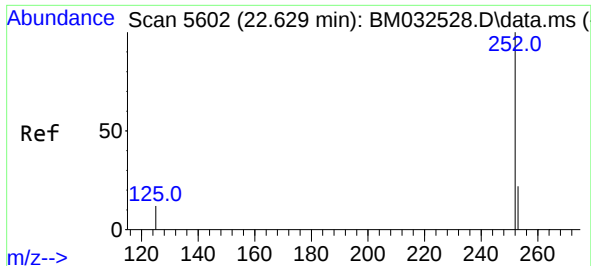
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#22
Chrysene
Concen: 0.60 ng/ul
RT: 21.157 min Scan# 4994
Delta R.T. -0.014 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:228 Resp: 33736
Ion Ratio Lower Upper
228 100
226 31.9 25.1 37.7
229 23.8 15.7 23.5#





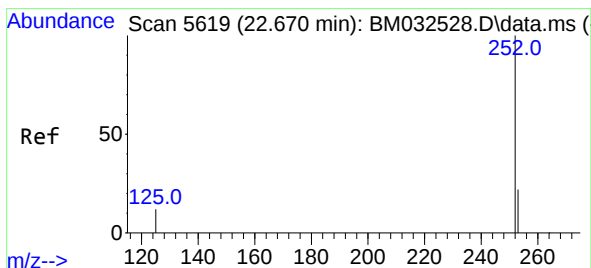
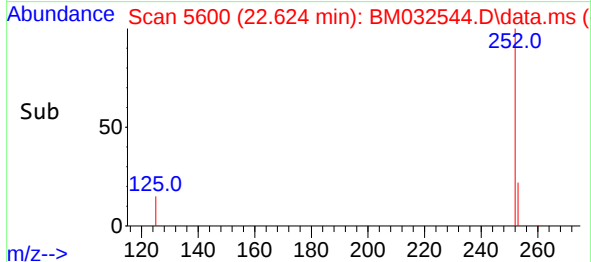
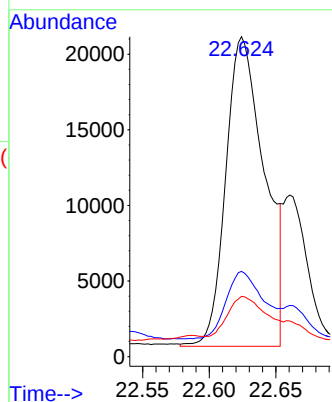
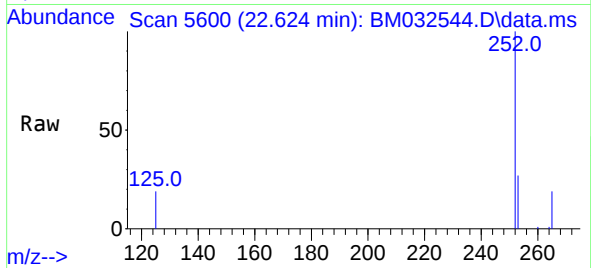
#24
Benzo(b)fluoranthene
Concen: 0.66 ng/ul m
RT: 22.624 min Scan# 5600
Delta R.T. -0.019 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:252	Resp:	41402
Ion Ratio	Lower	Upper
252	100	
253	26.6	0.0 53.8
125	18.9	0.0 35.6

Instrument :
BNA_M
ClientSampled :
C00R2

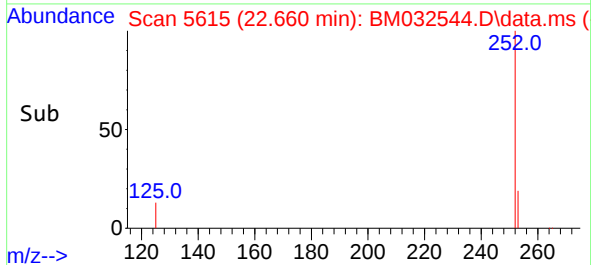
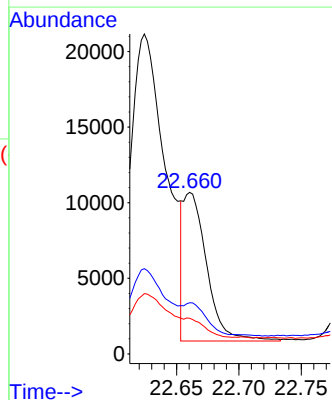
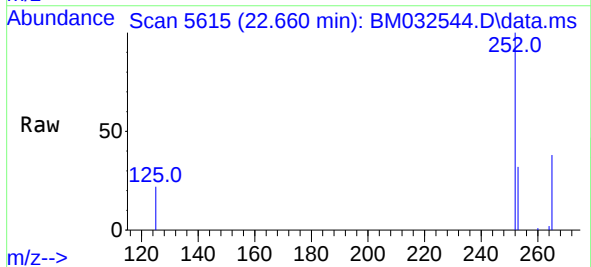
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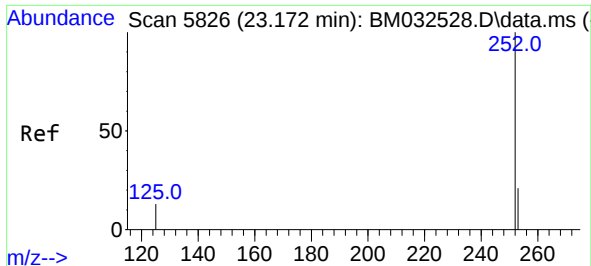
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#25
Benzo(k)fluoranthene
Concen: 0.21 ng/ul m
RT: 22.660 min Scan# 5615
Delta R.T. -0.024 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:252	Resp:	12846
Ion Ratio	Lower	Upper
252	100	
253	31.7	21.8 32.6
125	22.1	14.4 21.6#





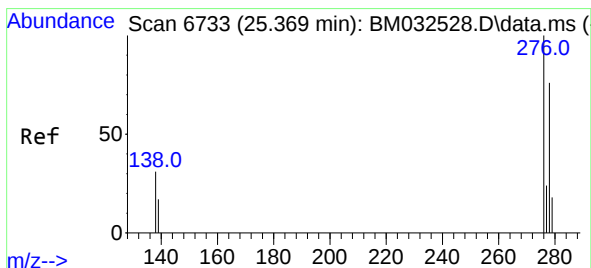
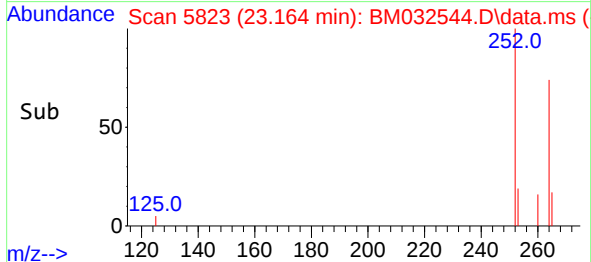
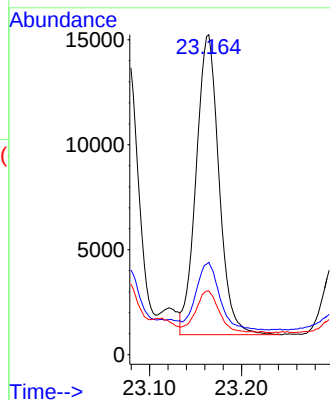
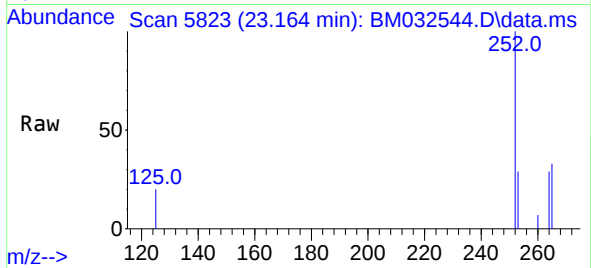
#26
Benzo(a)pyrene
Concen: 0.47 ng/u1
RT: 23.164 min Scan# 5823
Delta R.T. -0.019 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:	252	Resp:	24692
Ion Ratio	Lower	Upper	
252	100		
253	28.9	23.6	35.4
125	19.9	17.1	25.7

Instrument :
BNA_M
ClientSampleId :
C00R2

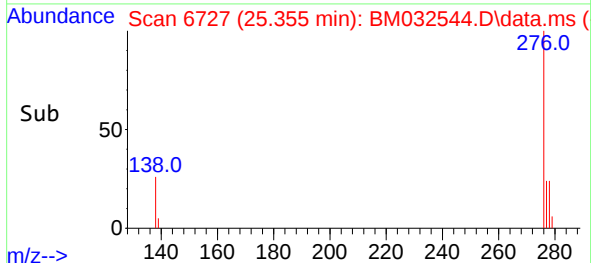
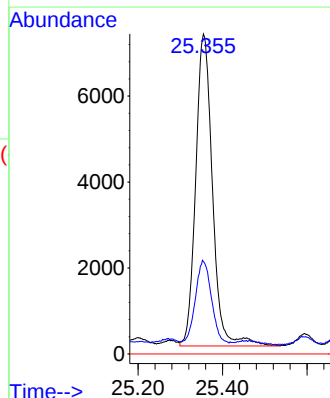
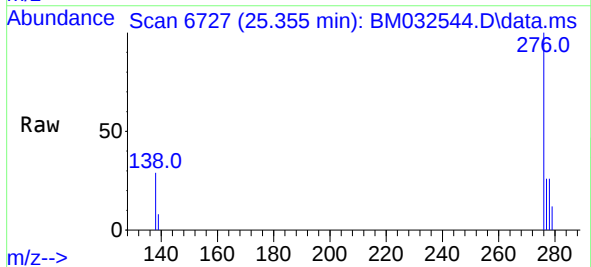
Manual Integrations
APPROVED

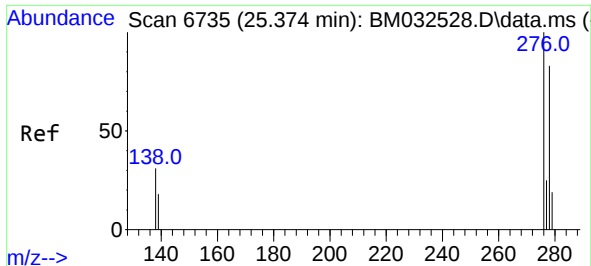
mohammad
10/19/2021 12:07:34 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng/u1
RT: 25.355 min Scan# 6727
Delta R.T. -0.031 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:	276	Resp:	20070
Ion Ratio	Lower	Upper	
276	100		
138	24.9	24.9	37.3
227	0.0	0.0	0.0





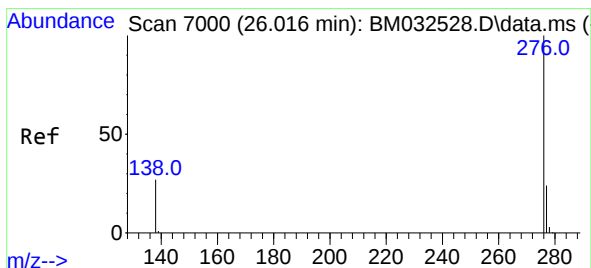
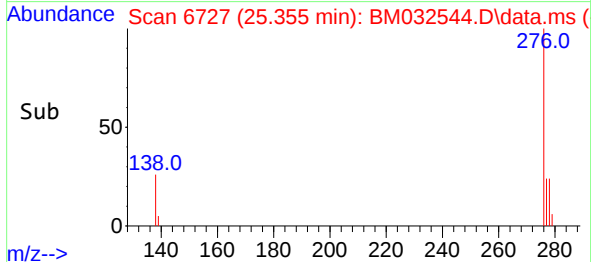
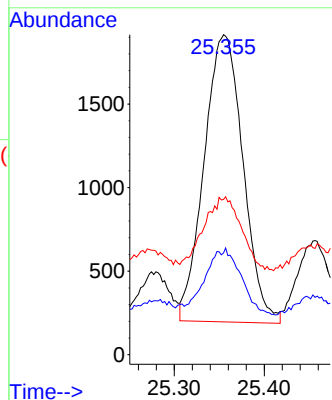
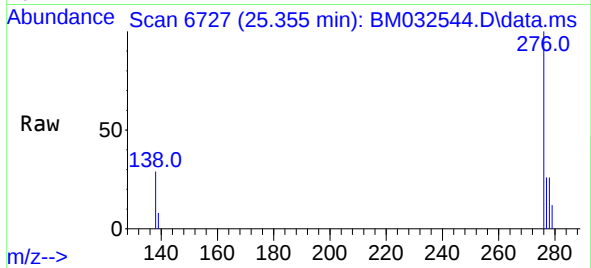
#28
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 25.355 min Scan# 6727
Delta R.T. -0.039 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:278 Resp: 5169
Ion Ratio Lower Upper
278 100
139 31.8 18.6 28.0#
279 48.5 22.0 33.0#

Instrument :
BNA_M
ClientSampled :
C00R2

Manual Integrations
APPROVED

mohammad
10/19/2021 12:07:34 PM



#29
Benzo(g,h,i)perylene
Concen: 0.37 ng/ul
RT: 26.002 min Scan# 6994
Delta R.T. -0.029 min
Lab File: BM032544.D
Acq: 16 Oct 2021 02:20

Tgt Ion:276 Resp: 20524
Ion Ratio Lower Upper
276 100
138 29.1 22.6 33.8
277 25.8 19.9 29.9

