

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM110624\
 Data File : BM048506.D
 Acq On : 07 Nov 2024 11:17
 Operator : RC/JU
 Sample : P4669-03MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHK69MSD

Quant Time: Nov 07 12:02:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 14:39:10 2024
 Response via : Initial Calibration

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

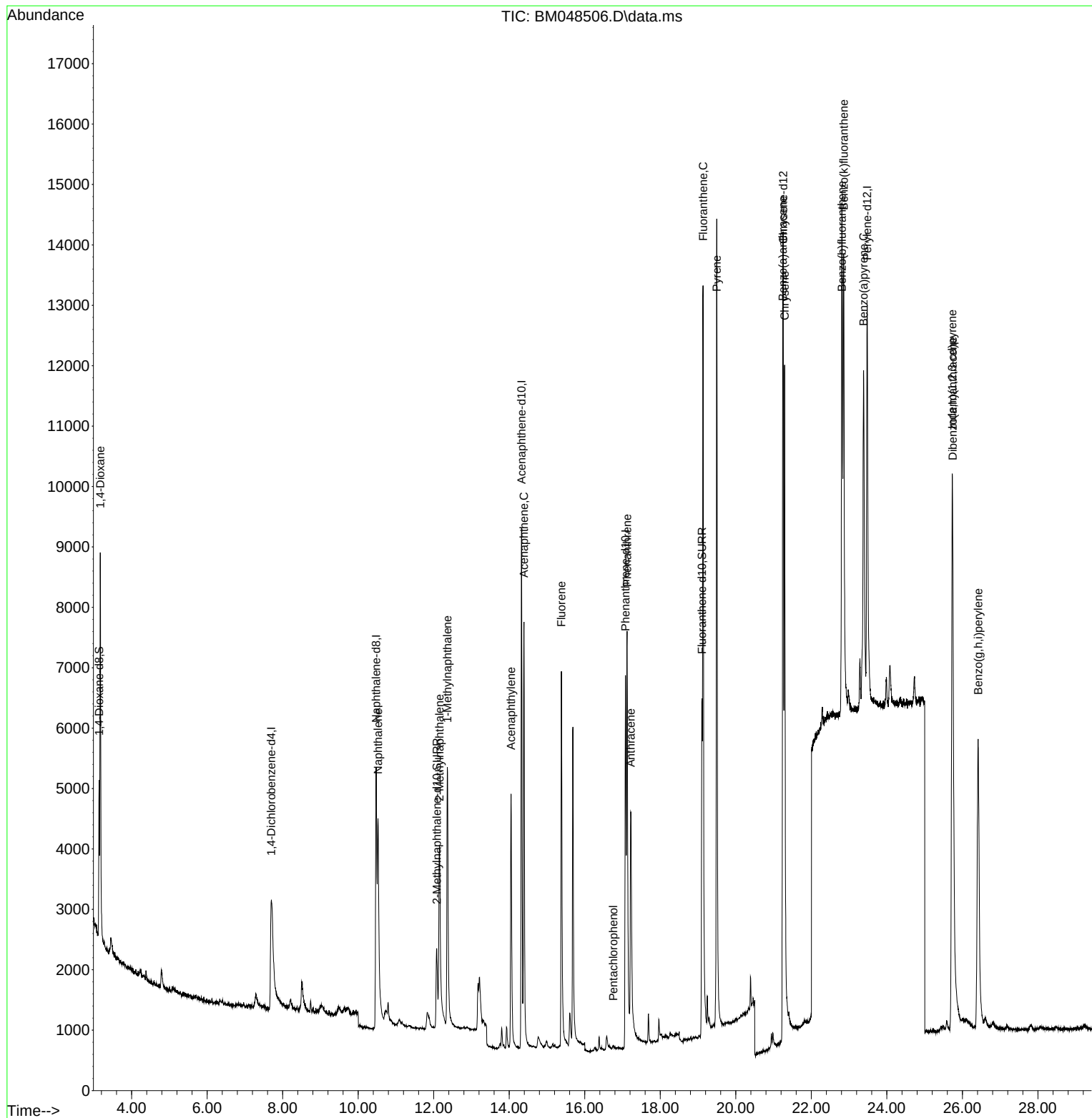
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	2895	0.400	ng/ul	0.02
4) Naphthalene-d8	10.475	136	10203	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.326	164	5910	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.078	188	11579	0.400	ng/ul	0.00
17) Chrysene-d12	21.257	240	9667	0.400	ng/ul	0.00
23) Perylene-d12	23.481	264	10726	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	1780	0.510	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.080	152	3506	0.266	ng/ul	0.00
18) Fluoranthene-d10	19.104	212	7993	0.295	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	4794	1.194	ng/ul#	71
5) Naphthalene	10.524	128	6854	0.268	ng/ul	96
7) 2-Methylnaphthalene	12.152	142	4196	0.261	ng/ul	95
8) 1-Methylnaphthalene	12.361	142	4588	0.279	ng/ul	99
10) Acenaphthylene	14.049	152	6867	0.306	ng/ul	99
11) Acenaphthene	14.391	153	4947	0.276	ng/ul	99
12) Fluorene	15.381	166	5377	0.276	ng/ul	99
14) Pentachlorophenol	16.753	266	68	0.016	ng/ul	92
15) Phenanthrene	17.120	178	9552	0.314	ng/ul	99
16) Anthracene	17.217	178	7640	0.270	ng/ul	98
19) Fluoranthene	19.132	202	13771	0.385	ng/ul	99
20) Pyrene	19.495	202	14548	0.375	ng/ul	98
21) Benzo(a)anthracene	21.242	228	10245	0.324	ng/ul	98
22) Chrysene	21.292	228	13588	0.358	ng/ul	99
24) Benzo(b)fluoranthene	22.811	252	12259	0.367	ng/ul	98
25) Benzo(k)fluoranthene	22.855	252	12768	0.326	ng/ul	96
26) Benzo(a)pyrene	23.384	252	11129	0.341	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.732	276	14667	0.322	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.742	278	10680	0.301	ng/ul#	95
29) Benzo(g,h,i)perylene	26.416	276	12567	0.329	ng/ul	98

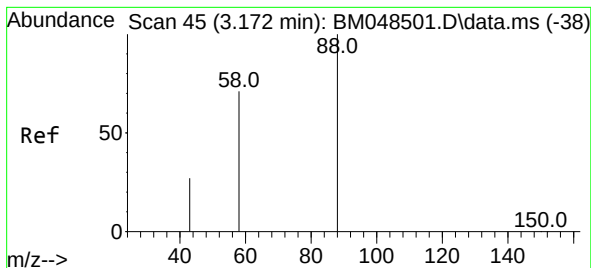
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.194 ng/ul

RT: 3.172 min Scan# 45

Delta R.T. 0.004 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

Instrument :

BNA_M

ClientSampleId :

BHK69MSD

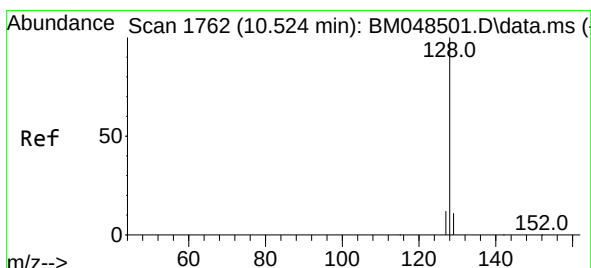
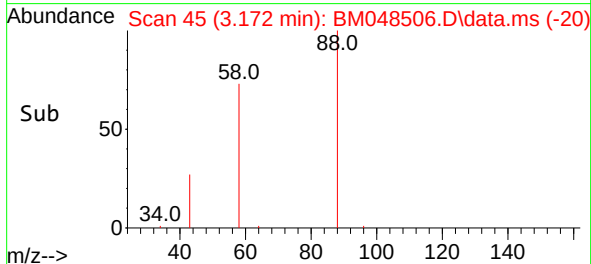
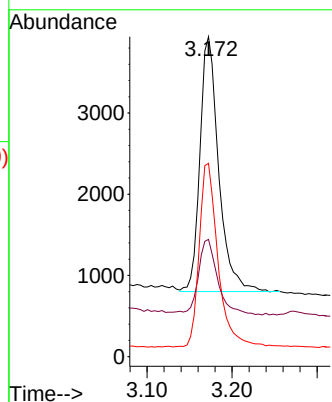
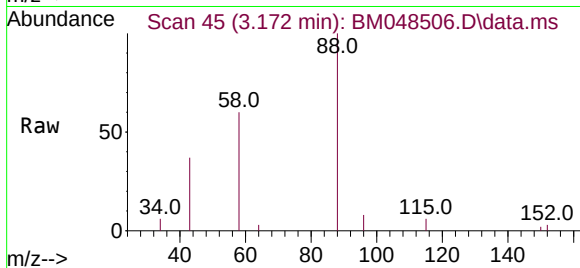
Tgt Ion: 88 Resp: 4794

Ion Ratio Lower Upper

88 100

43 36.6 60.2 90.4#

58 60.4 44.2 66.2



#5

Naphthalene

Concen: 0.268 ng/ul

RT: 10.524 min Scan# 1762

Delta R.T. 0.001 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

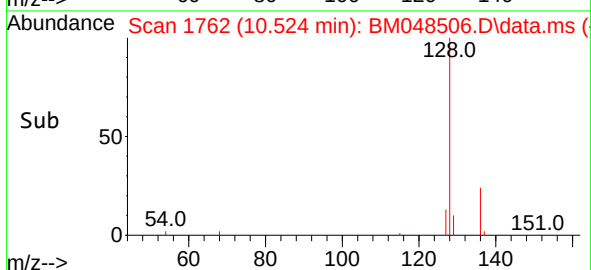
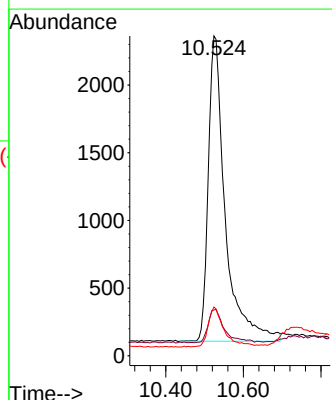
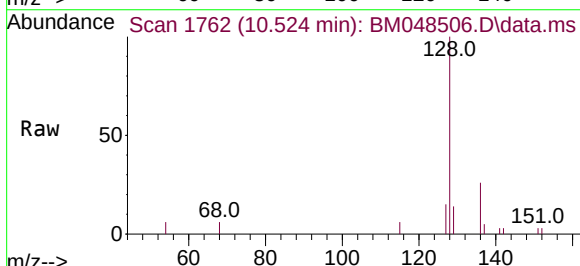
Tgt Ion: 128 Resp: 6854

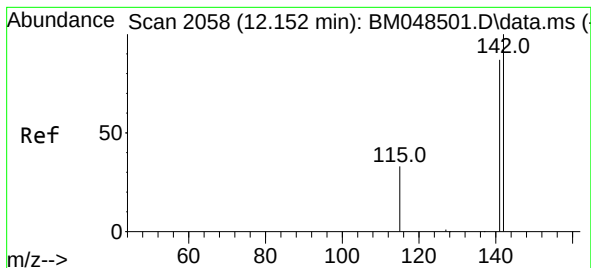
Ion Ratio Lower Upper

128 100

129 14.3 10.0 15.0

127 15.3 10.9 16.3

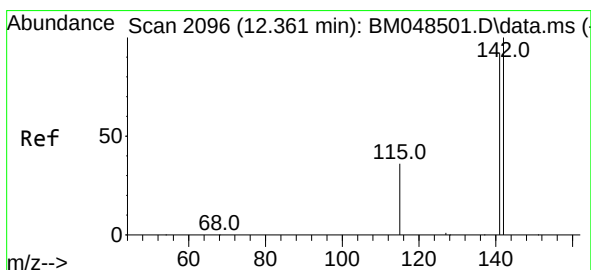
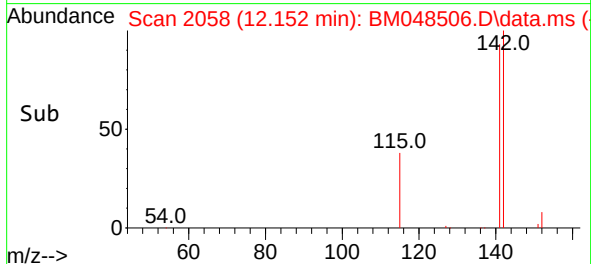
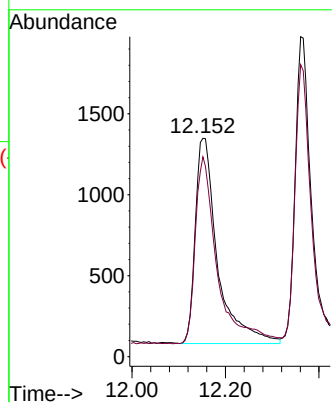
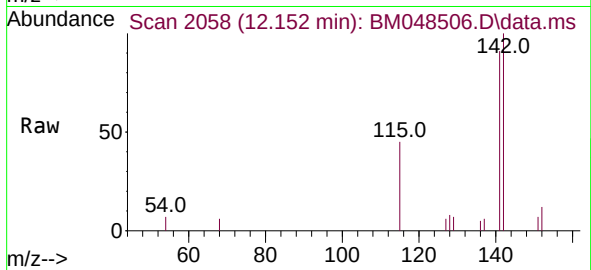




#7
2-Methylnaphthalene
Concen: 0.261 ng/ul
RT: 12.152 min Scan# 2058
Delta R.T. 0.001 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

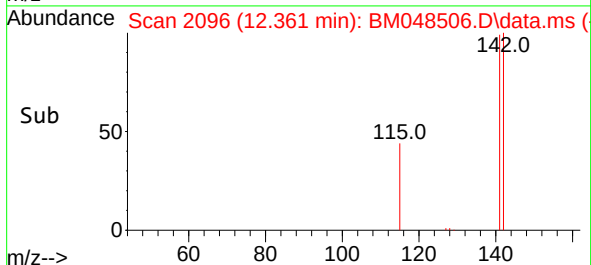
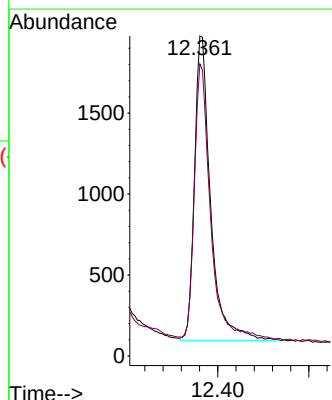
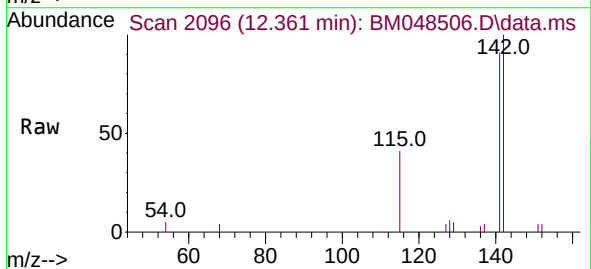
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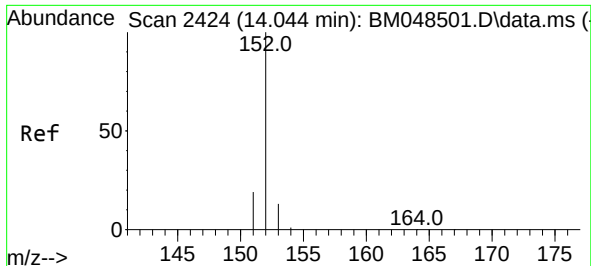
Tgt Ion:142 Resp: 4196
Ion Ratio Lower Upper
142 100
141 90.0 68.6 103.0



#8
1-Methylnaphthalene
Concen: 0.279 ng/ul
RT: 12.361 min Scan# 2096
Delta R.T. -0.004 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Tgt Ion:142 Resp: 4588
Ion Ratio Lower Upper
142 100
141 91.8 72.8 109.2

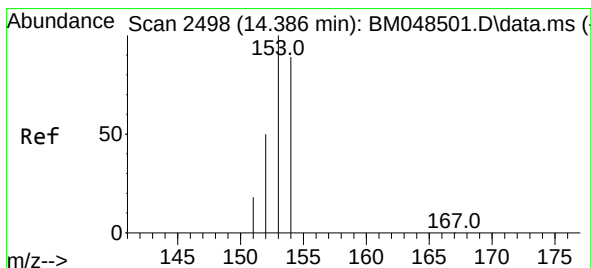
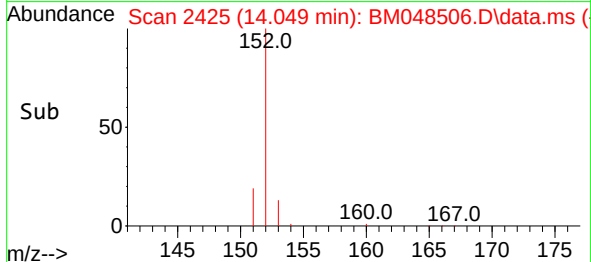
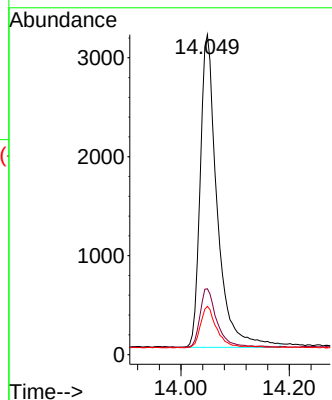
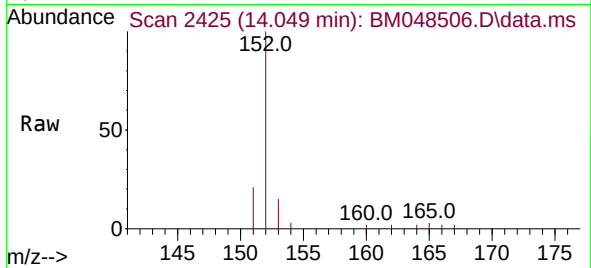




#10
Acenaphthylene
Concen: 0.306 ng/ul
RT: 14.049 min Scan# 2425
Delta R.T. -0.003 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

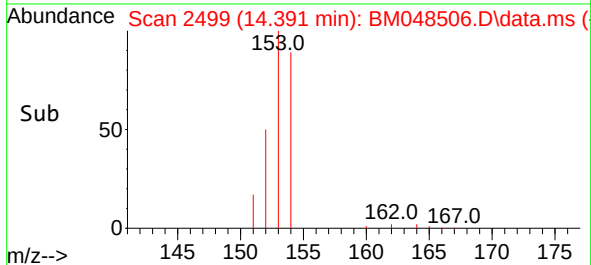
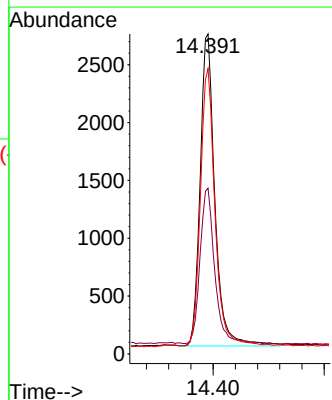
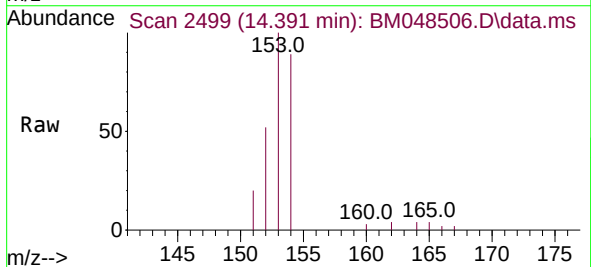
Instrument :
BNA_M
ClientSampleId :
BHK69MSD

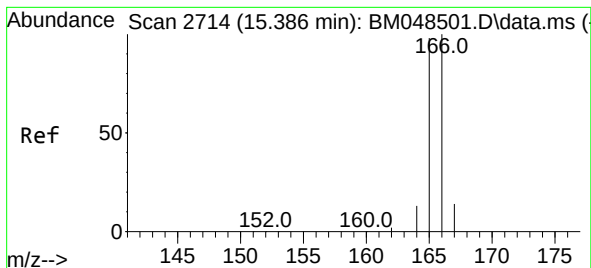
Tgt Ion	152	151	153
Resp:	6867		
Ion Ratio	100	20.6	15.1
Lower		16.5	11.6
Upper		24.7	17.4



#11
Acenaphthene
Concen: 0.276 ng/ul
RT: 14.391 min Scan# 2499
Delta R.T. 0.001 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Tgt Ion	153	152	154
Resp:	4947		
Ion Ratio	100	51.8	89.2
Lower		41.1	70.3
Upper		61.7	105.5





#12

Fluorene

Concen: 0.276 ng/ul

RT: 15.381 min Scan# 21

Delta R.T. -0.003 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

Instrument :

BNA_M

ClientSampleId :

BHK69MSD

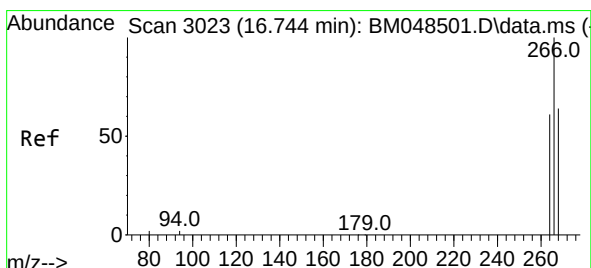
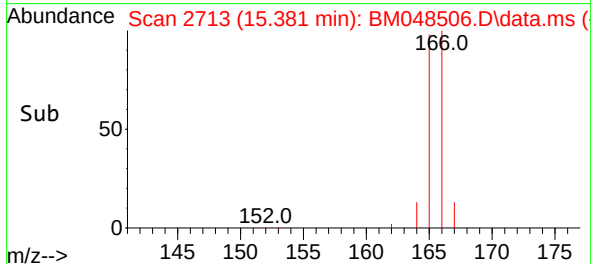
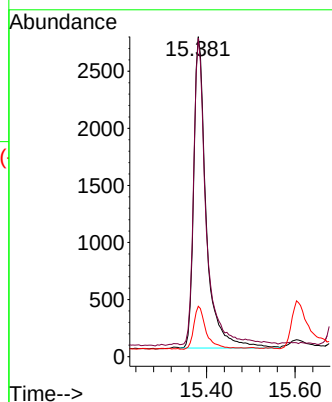
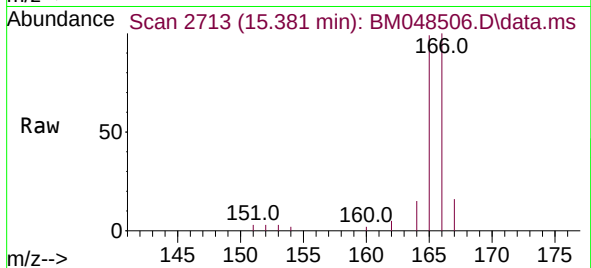
Tgt Ion:166 Resp: 5377

Ion Ratio Lower Upper

166 100

165 99.5 78.7 118.1

167 15.7 12.6 18.8



#14

Pentachlorophenol

Concen: 0.016 ng/ul

RT: 16.753 min Scan# 3025

Delta R.T. 0.005 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

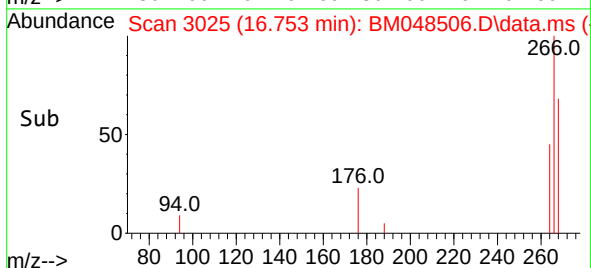
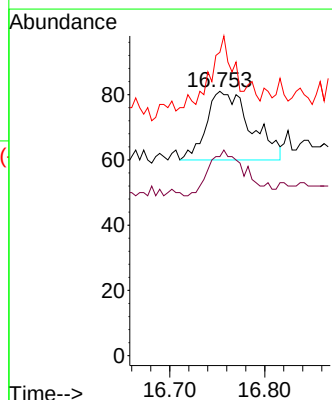
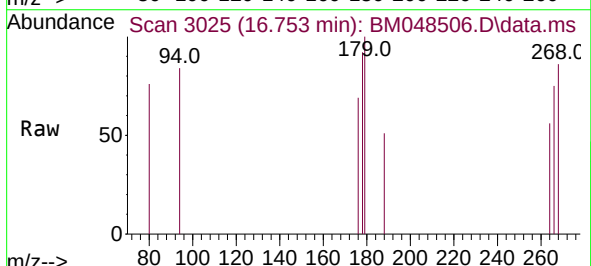
Tgt Ion:266 Resp: 68

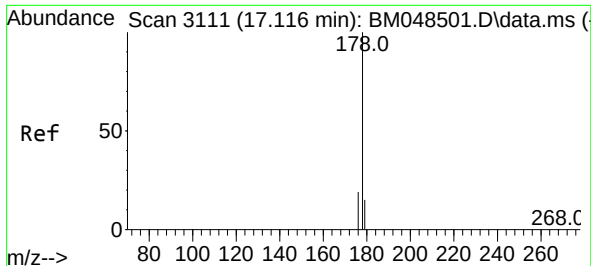
Ion Ratio Lower Upper

266 100

264 54.4 49.6 74.4

268 66.2 49.4 74.0

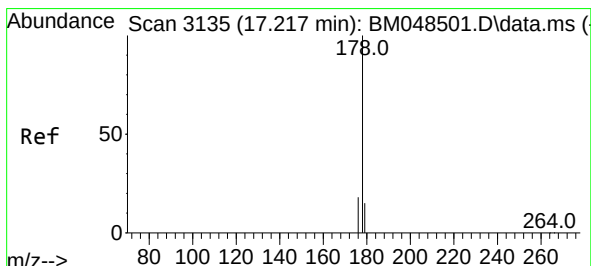
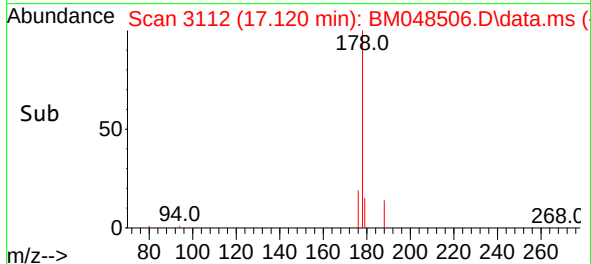
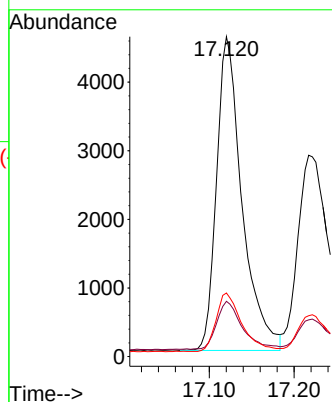
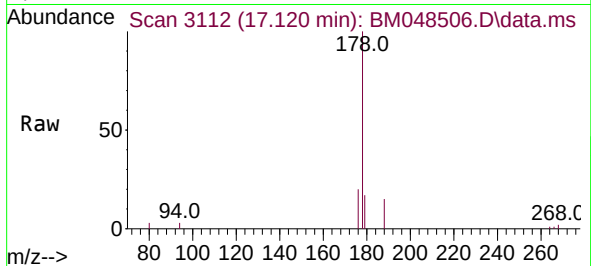




#15
Phenanthrene
Concen: 0.314 ng/ul
RT: 17.120 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

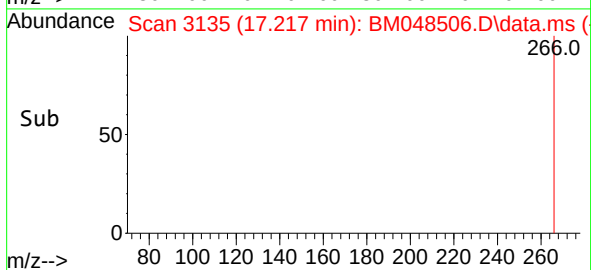
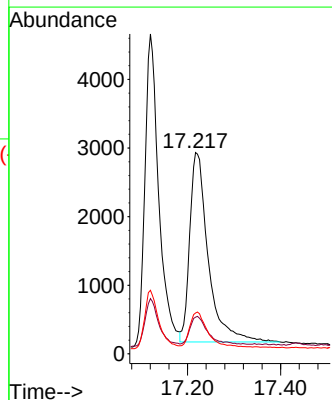
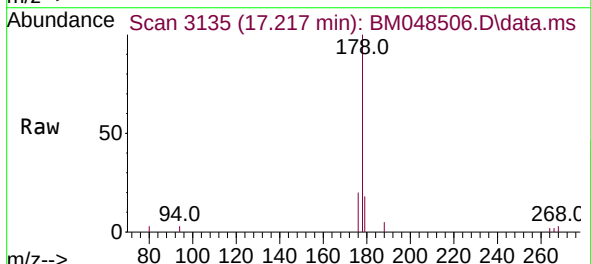
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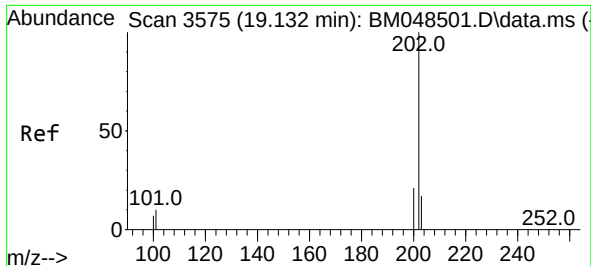
Tgt Ion:178 Resp: 9552
Ion Ratio Lower Upper
178 100
179 17.3 13.4 20.0
176 19.9 16.2 24.2



#16
Anthracene
Concen: 0.270 ng/ul
RT: 17.217 min Scan# 3135
Delta R.T. -0.003 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Tgt Ion:178 Resp: 7640
Ion Ratio Lower Upper
178 100
179 18.3 13.7 20.5
176 20.3 15.9 23.9

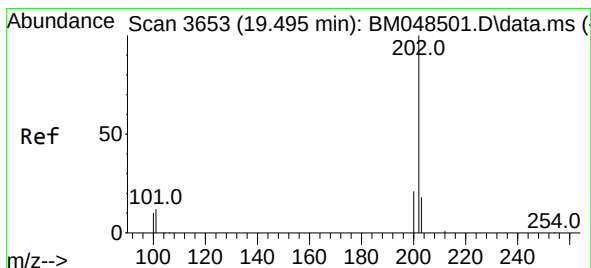
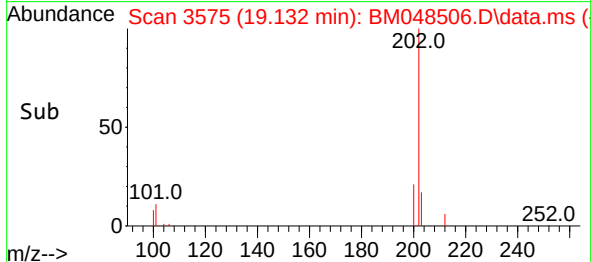
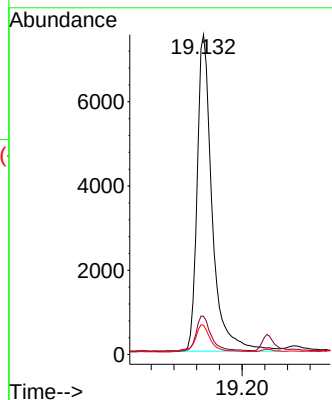
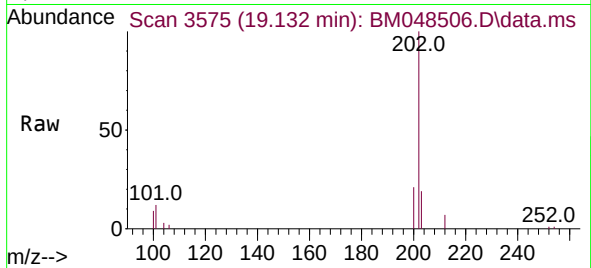




#19
Fluoranthene
Concen: 0.385 ng/ul
RT: 19.132 min Scan# 3575
Delta R.T. -0.008 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

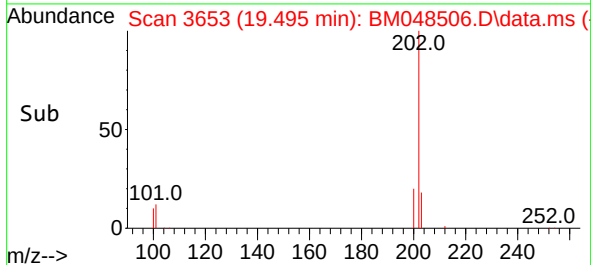
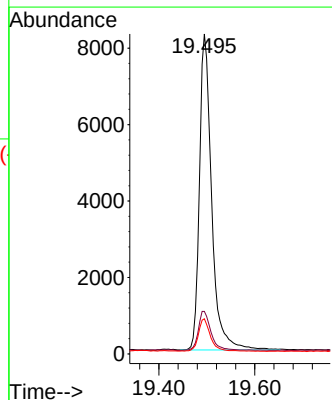
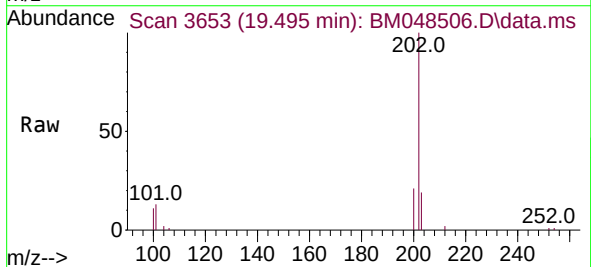
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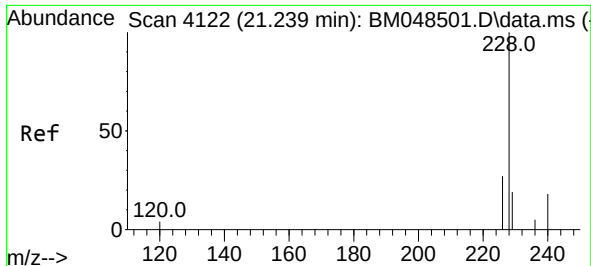
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.2	15.4
100	9.2	7.3	10.9



#20
Pyrene
Concen: 0.375 ng/ul
RT: 19.495 min Scan# 3653
Delta R.T. -0.008 min
Lab File: BM048506.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.4	17.2
100	11.0	8.5	12.7

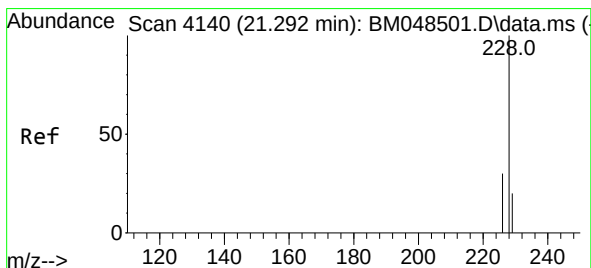
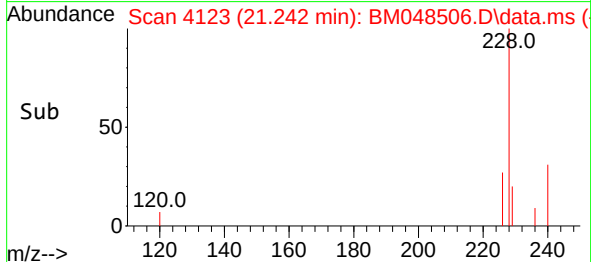
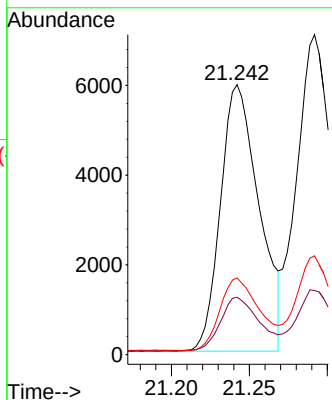
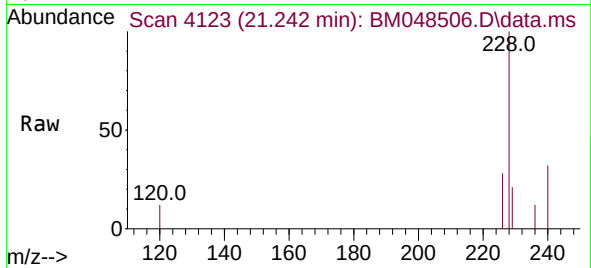




#21
Benzo(a)anthracene
Concen: 0.324 ng/ul
RT: 21.242 min Scan# 4122
Delta R.T. -0.006 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

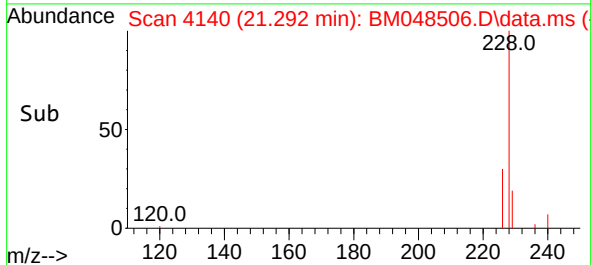
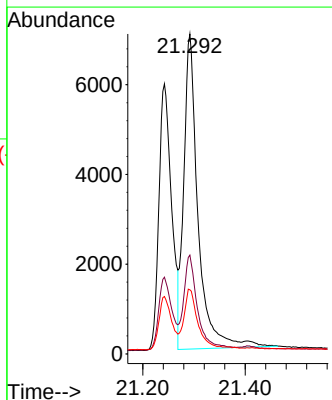
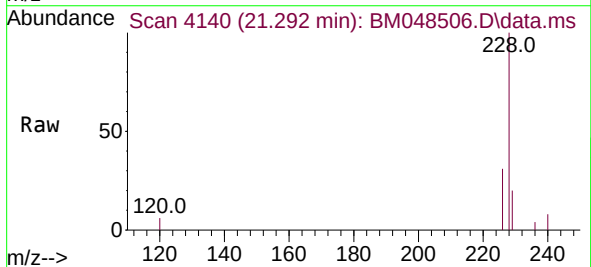
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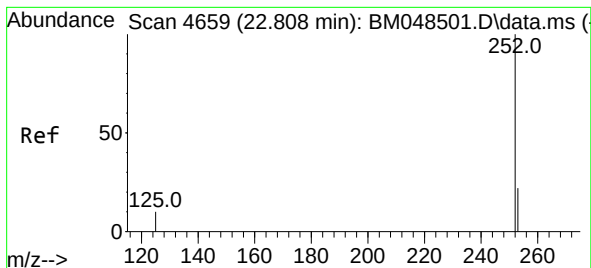
Tgt Ion:228 Resp: 10245
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.2
226 28.4 22.1 33.1



#22
Chrysene
Concen: 0.358 ng/ul
RT: 21.292 min Scan# 4140
Delta R.T. -0.009 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Tgt Ion:228 Resp: 13588
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 20.0 16.5 24.7





#24

Benzo(b)fluoranthene

Concen: 0.367 ng/ul

RT: 22.811 min Scan# 4660

Delta R.T. -0.012 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

Instrument :

BNA_M

ClientSampleId :

BHK69MSD

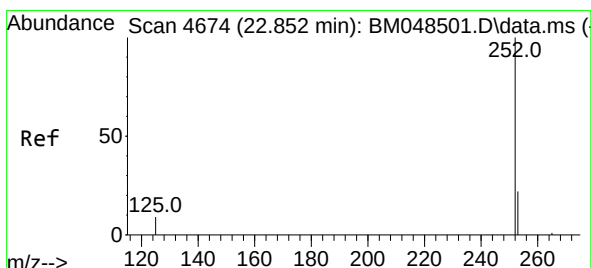
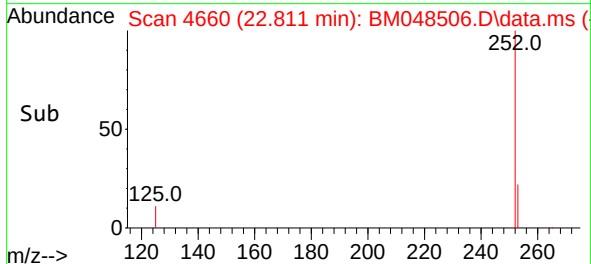
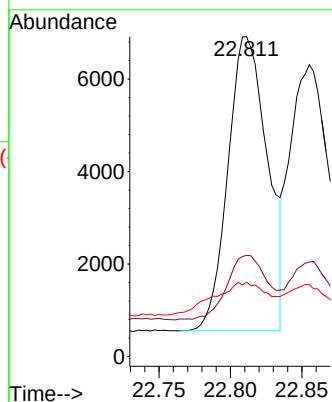
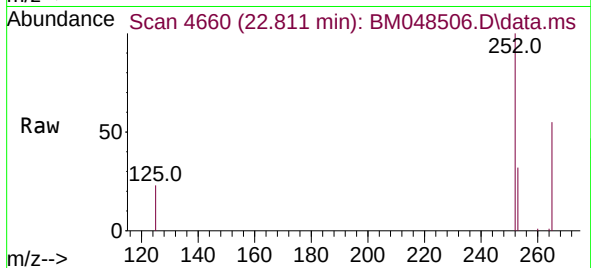
Tgt Ion:252 Resp: 12259

Ion Ratio Lower Upper

252 100

253 31.6 0.0 61.6

125 23.3 0.0 43.2



#25

Benzo(k)fluoranthene

Concen: 0.326 ng/ul

RT: 22.855 min Scan# 4675

Delta R.T. -0.012 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

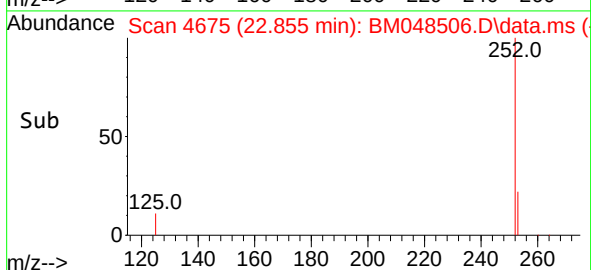
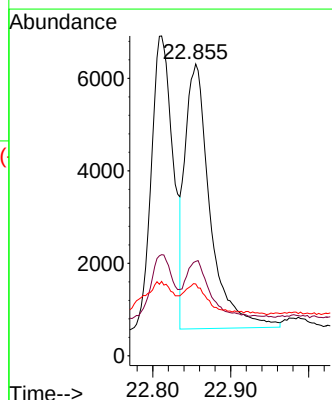
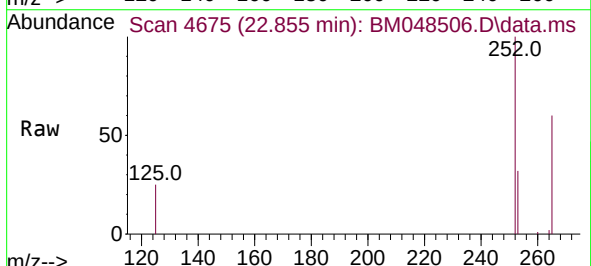
Tgt Ion:252 Resp: 12768

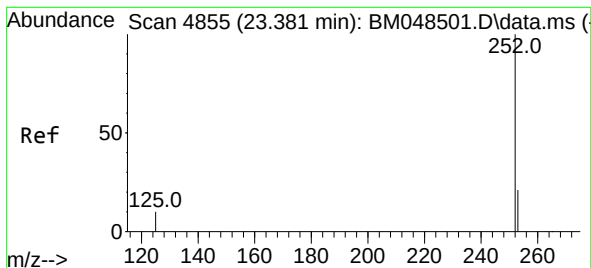
Ion Ratio Lower Upper

252 100

253 32.4 25.0 37.4

125 24.6 17.4 26.0





#26

Benzo(a)pyrene

Concen: 0.341 ng/ul

RT: 23.384 min Scan# 4855

Delta R.T. -0.018 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

Instrument :

BNA_M

ClientSampleId :

BHK69MSD

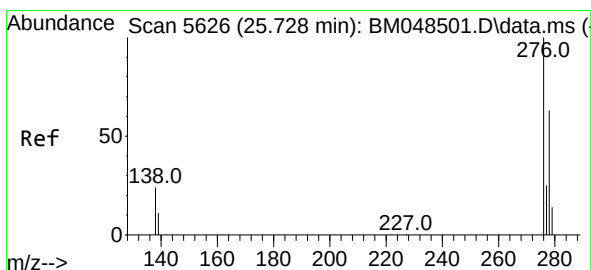
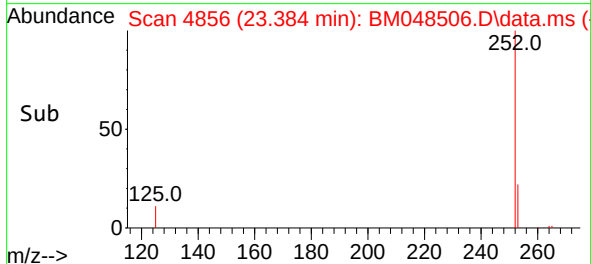
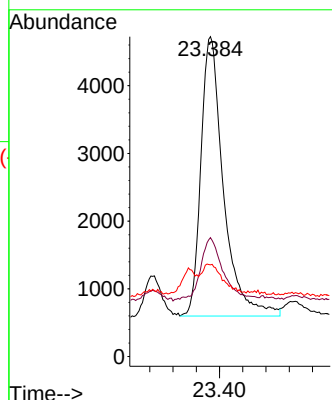
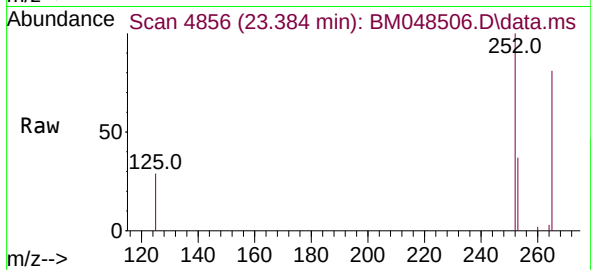
Tgt Ion:252 Resp: 11129

Ion Ratio Lower Upper

252 100

253 37.2 29.6 44.4

125 28.7 23.9 35.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.322 ng/ul

RT: 25.732 min Scan# 5627

Delta R.T. -0.021 min

Lab File: BM048506.D

Acq: 07 Nov 2024 11:17

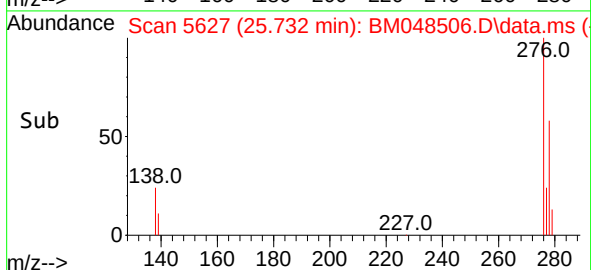
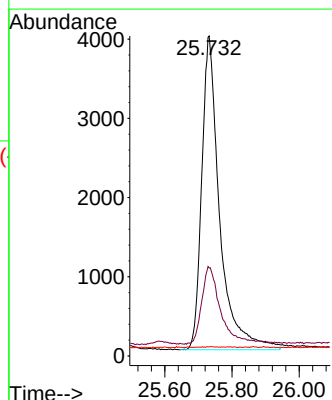
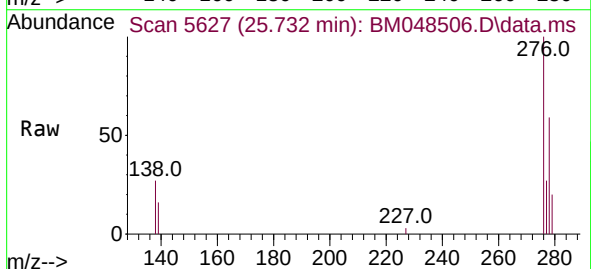
Tgt Ion:276 Resp: 14667

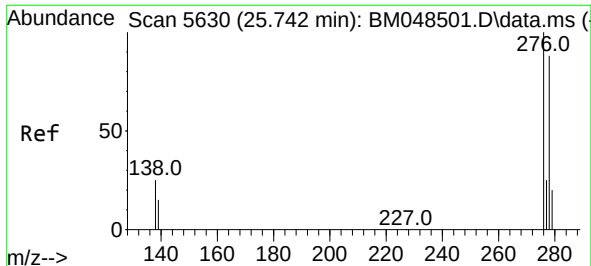
Ion Ratio Lower Upper

276 100

138 26.6 20.1 30.1

227 0.1 0.1 0.1#

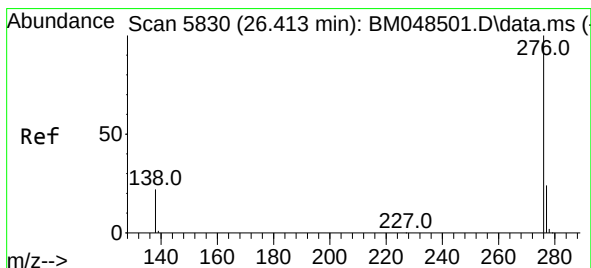
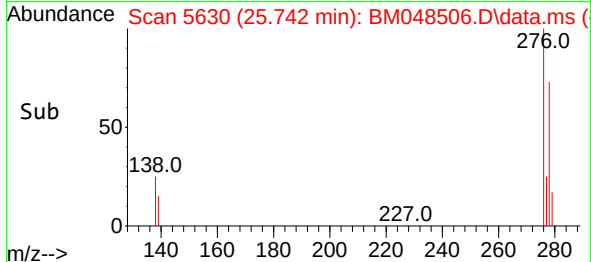
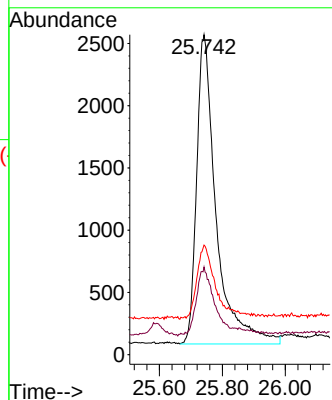
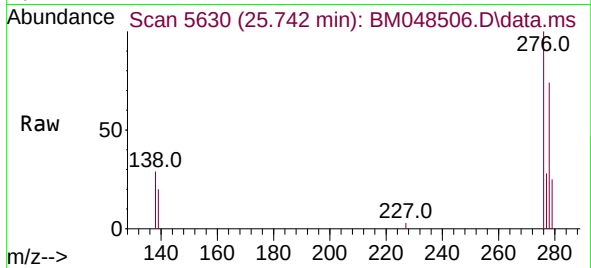




#28
Dibenzo(a,h)anthracene
Concen: 0.301 ng/ul
RT: 25.742 min Scan# 5630
Delta R.T. -0.034 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Instrument :
BNA_M
ClientSampleId :
BHK69MSD

Tgt Ion:278 Resp: 10680
Ion Ratio Lower Upper
278 100
139 27.4 17.8 26.8#
279 34.2 26.6 39.8



#29
Benzo(g,h,i)perylene
Concen: 0.329 ng/ul
RT: 26.416 min Scan# 5831
Delta R.T. -0.027 min
Lab File: BM048506.D
Acq: 07 Nov 2024 11:17

Tgt Ion:276 Resp: 12567
Ion Ratio Lower Upper
276 100
138 25.6 21.0 31.6
277 26.5 20.5 30.7

