

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121724\
 Data File : BM049033.D
 Acq On : 17 Dec 2024 22:24
 Operator : RC/JU
 Sample : P5155-19MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

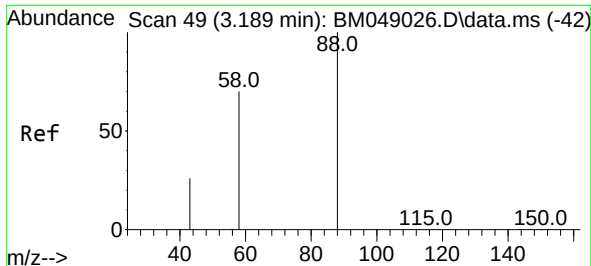
Instrument :
 BNA_M
 ClientSampleId :
 E28W2MSD

Quant Time: Dec 18 02:25:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM120924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 17 10:03:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	10015	0.400	ng/ul	0.00
4) Naphthalene-d8	10.332	136	31950	0.400	ng/ul #	0.00
9) Acenaphthene-d10	14.201	164	18142	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.951	188	35614	0.400	ng/ul #	0.00
17) Chrysene-d12	21.146	240	25365	0.400	ng/ul	0.00
23) Perylene-d12	23.305	264	27651	0.400	ng/ul #	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.151	96	3687	0.315	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.926	152	11037	0.271	ng/ul	0.00
18) Fluoranthene-d10	18.984	212	21878	0.289	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.185	88	10817	0.799	ng/ul#	87
5) Naphthalene	10.381	128	114434	1.397	ng/ul	98
7) 2-Methylnaphthalene	12.003	142	38354	0.767	ng/ul	99
8) 1-Methylnaphthalene	12.223	142	23110	0.454	ng/ul	100
10) Acenaphthylene	13.919	152	27350	0.357	ng/ul	99
11) Acenaphthene	14.266	153	21719	0.374	ng/ul	97
12) Fluorene	15.256	166	24802	0.385	ng/ul	97
14) Pentachlorophenol	16.605	266	3356	0.458	ng/ul	95
15) Phenanthrene	16.989	178	167250	1.713	ng/ul	99
16) Anthracene	17.082	178	50507	0.580	ng/ul	99
19) Fluoranthene	19.011	202	344109	3.271	ng/ul#	95
20) Pyrene	19.379	202	375375	3.311	ng/ul#	93
21) Benzo(a)anthracene	21.131	228	276842	3.102	ng/ul	98
22) Chrysene	21.181	228	330975	3.277	ng/ul	98
24) Benzo(b)fluoranthene	22.665	252	604095m	6.322	ng/ul	
25) Benzo(k)fluoranthene	22.706	252	209655m	1.897	ng/ul	
26) Benzo(a)pyrene	23.215	252	456549	5.166	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	25.450	276	390861	3.149	ng/ul#	83
28) Dibenzo(a,h)anthracene	25.460	278	99132	1.026	ng/ul	96
29) Benzo(g,h,i)perylene	26.104	276	430177	4.308	ng/ul#	94

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



#2
1,4-Dioxane

Concen: 0.799 ng/ul

RT: 3.185 min Scan# 41

Delta R.T. -0.004 min

Lab File: BM049033.D

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BNA_M

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E28W2MSD

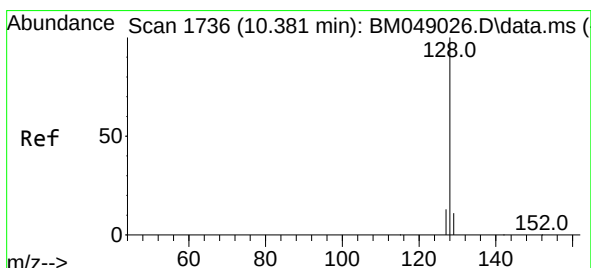
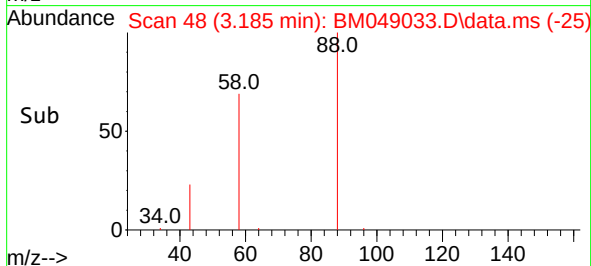
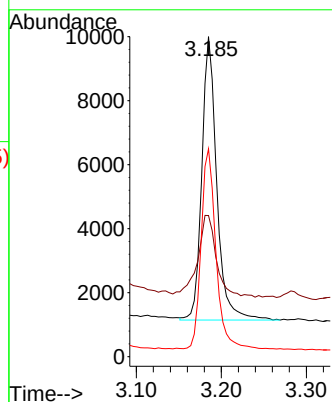
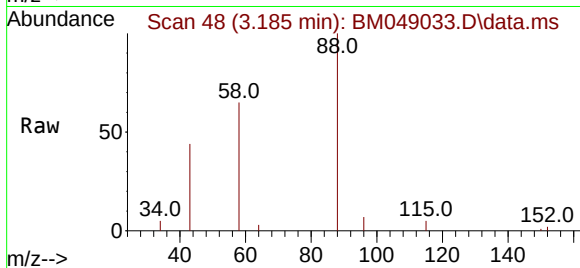
Tgt Ion: 88 Resp: 10817

Ion Ratio Lower Upper

88 100

43 44.1 32.3 48.5

58 65.0 42.0 63.0#



#5
Naphthalene

Concen: 1.397 ng/ul

RT: 10.381 min Scan# 1736

Delta R.T. -0.004 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

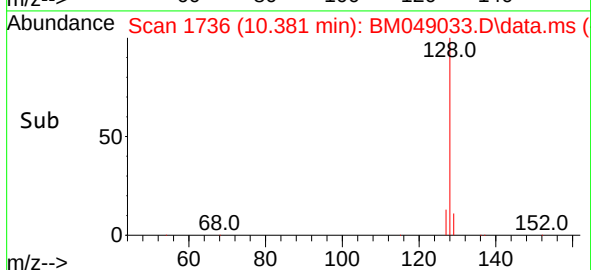
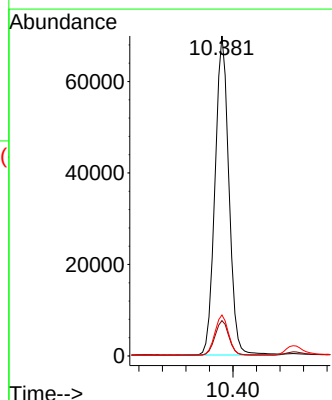
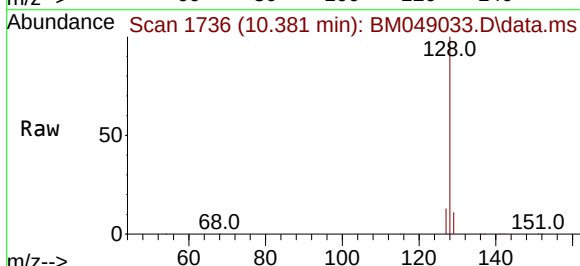
Tgt Ion: 128 Resp: 114434

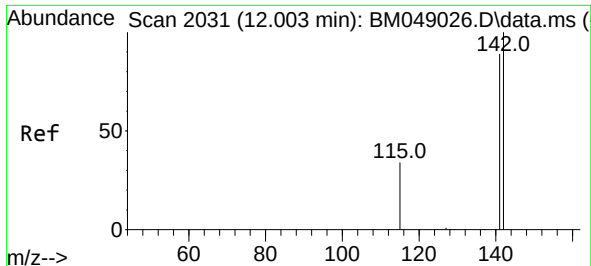
Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

127 12.8 10.6 16.0

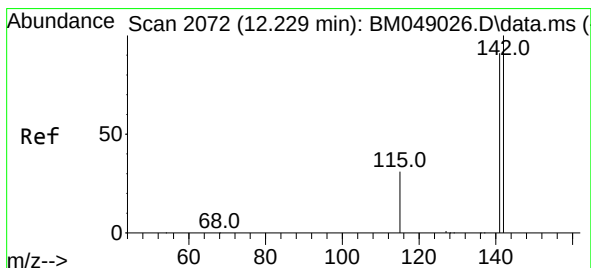
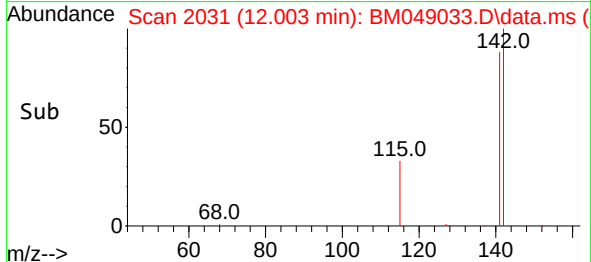
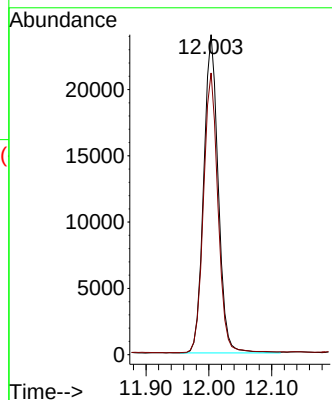
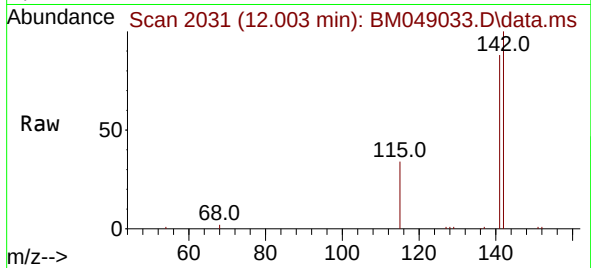




#7
2-Methylnaphthalene
Concen: 0.767 ng/ul
RT: 12.003 min Scan# 2031
Delta R.T. -0.004 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

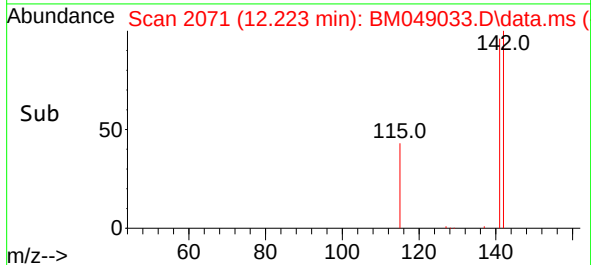
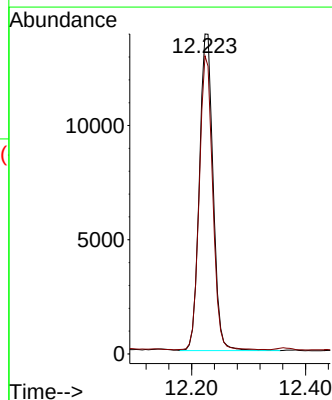
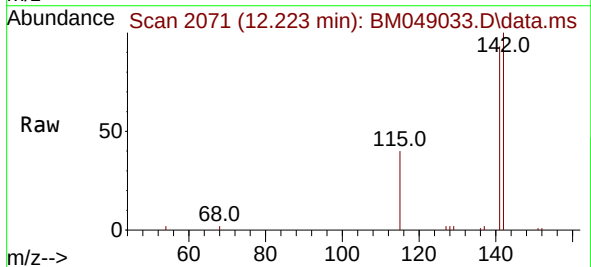
Instrument :
BNA_M
ClientSampleId :
E28W2MSD

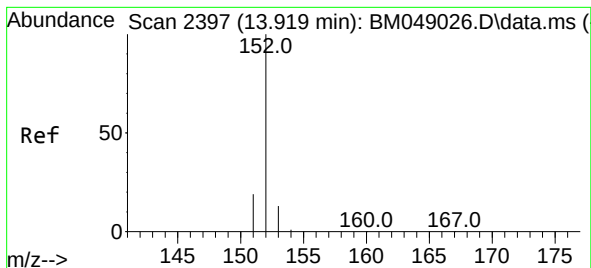
Tgt Ion:142 Resp: 38354
Ion Ratio Lower Upper
142 100
141 88.4 71.2 106.8



#8
1-Methylnaphthalene
Concen: 0.454 ng/ul
RT: 12.223 min Scan# 2071
Delta R.T. -0.004 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:142 Resp: 23110
Ion Ratio Lower Upper
142 100
141 91.1 72.8 109.2





#10

Acenaphthylene

Concen: 0.357 ng/ul

RT: 13.919 min Scan# 21

Delta R.T. -0.003 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

Instrument :

BNA_M

ClientSampleId :

E28W2MSD

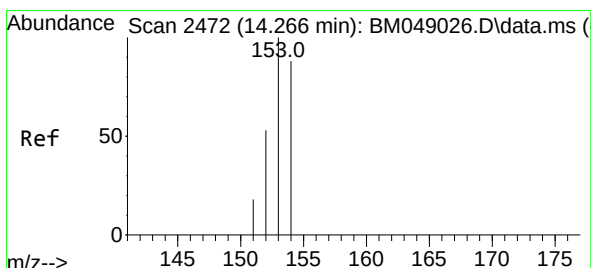
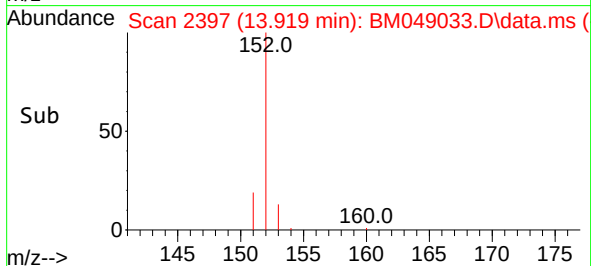
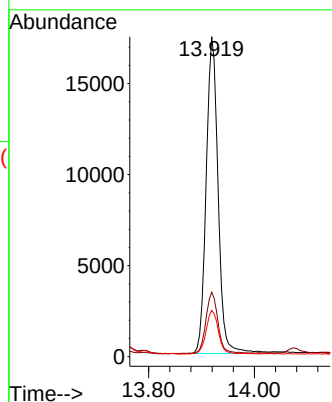
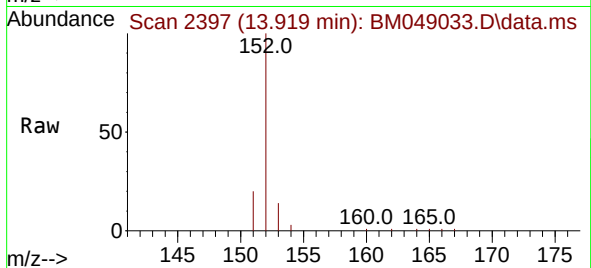
Tgt Ion:152 Resp: 27350

Ion Ratio Lower Upper

152 100

151 20.1 16.3 24.5

153 14.4 11.2 16.8



#11

Acenaphthene

Concen: 0.374 ng/ul

RT: 14.266 min Scan# 2472

Delta R.T. -0.003 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

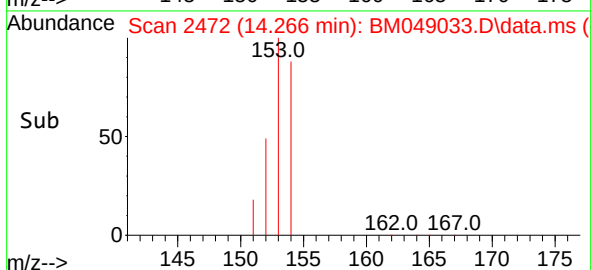
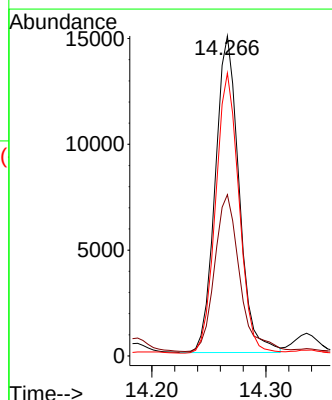
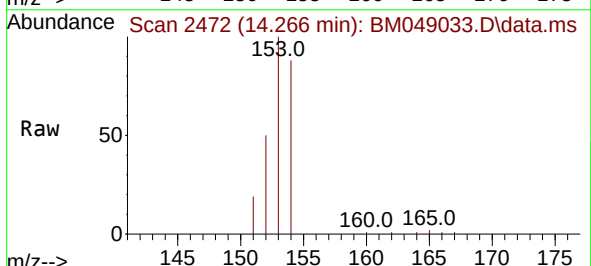
Tgt Ion:153 Resp: 21719

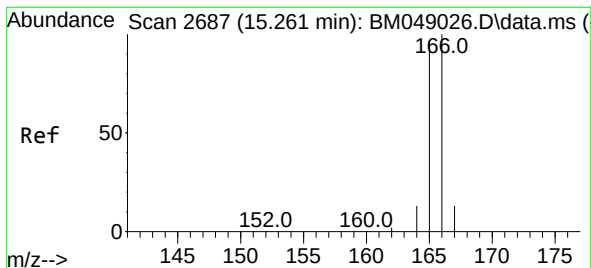
Ion Ratio Lower Upper

153 100

152 50.4 43.5 65.3

154 88.4 69.5 104.3





#12

Fluorene

Concen: 0.385 ng/ul

RT: 15.256 min Scan# 2

Delta R.T. -0.008 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

Instrument :

BNA_M

ClientSampleId :

E28W2MSD

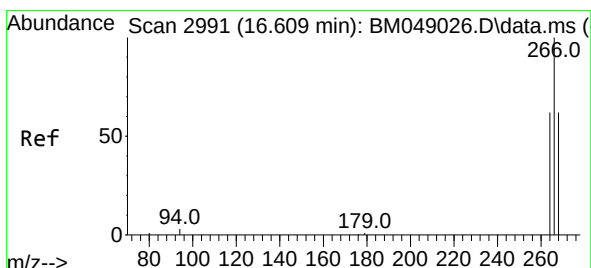
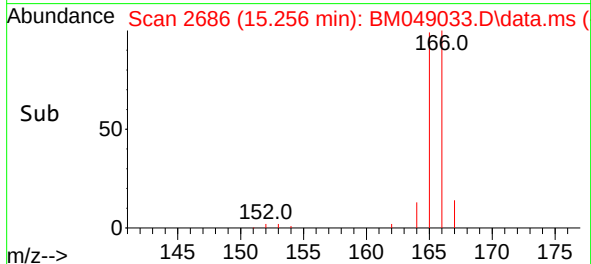
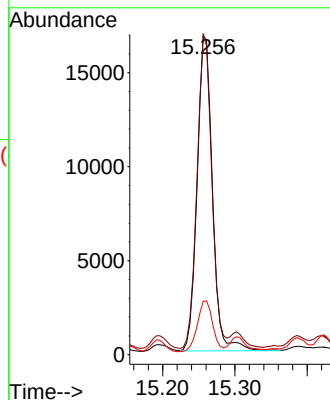
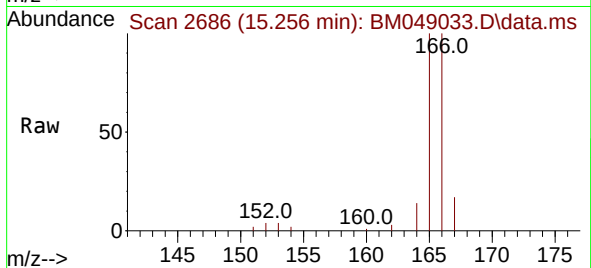
Tgt Ion:166 Resp: 24802

Ion Ratio Lower Upper

166 100

165 99.7 78.1 117.1

167 16.7 11.6 17.4



#14

Pentachlorophenol

Concen: 0.458 ng/ul

RT: 16.605 min Scan# 2990

Delta R.T. -0.007 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

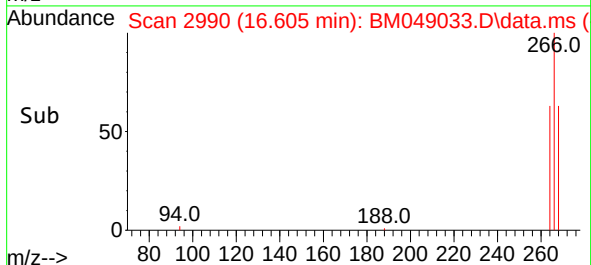
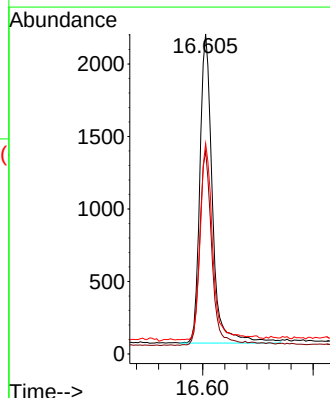
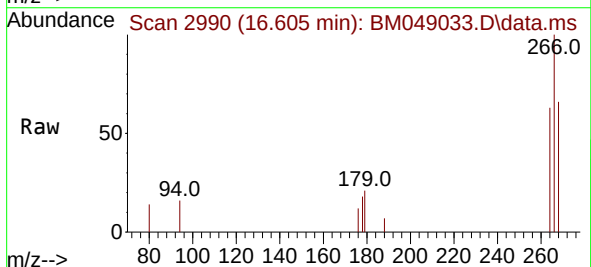
Tgt Ion:266 Resp: 3356

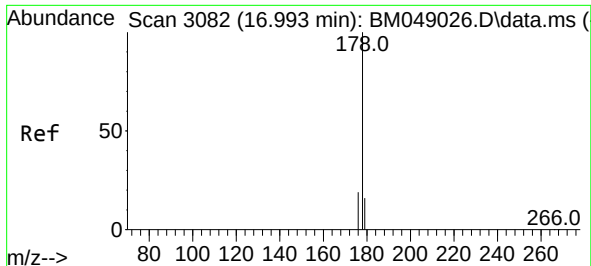
Ion Ratio Lower Upper

266 100

264 62.2 47.9 71.9

268 63.2 55.0 82.6

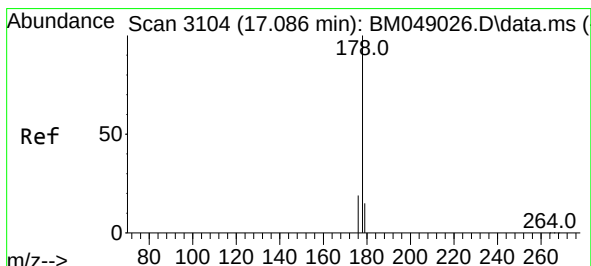
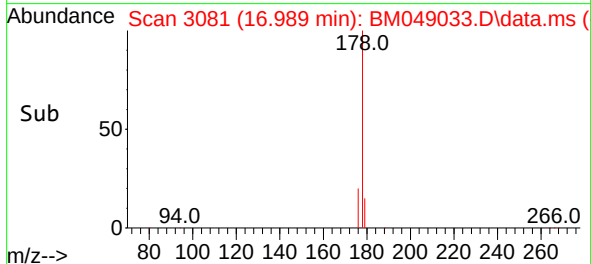
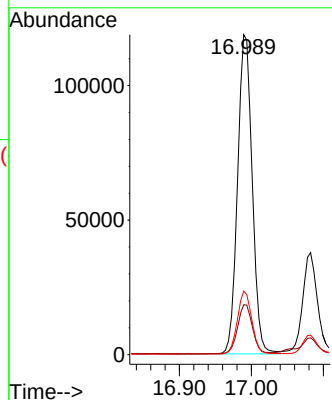
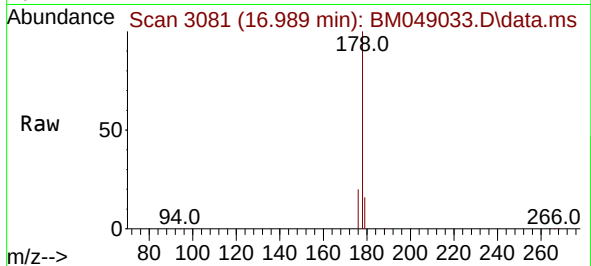




#15
Phenanthrene
Concen: 1.713 ng/ul
RT: 16.989 min Scan# 3082
Delta R.T. -0.007 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

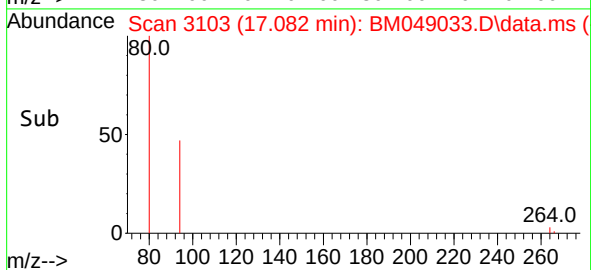
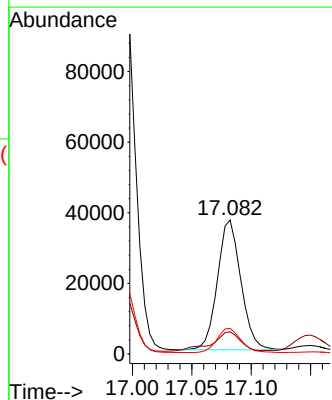
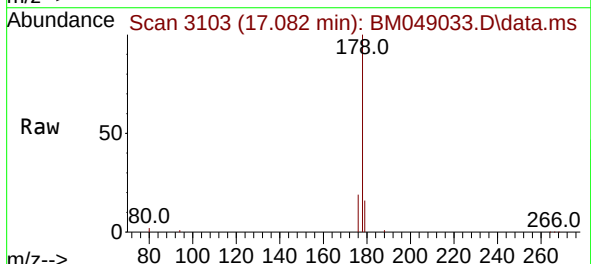
Instrument :
BNA_M
ClientSampleId :
E28W2MSD

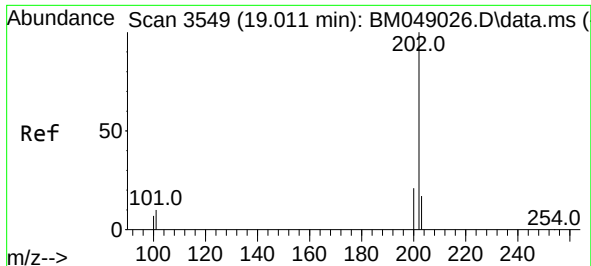
Tgt Ion:178 Resp: 167250
Ion Ratio Lower Upper
178 100
179 15.6 13.0 19.6
176 19.8 15.8 23.8



#16
Anthracene
Concen: 0.580 ng/ul
RT: 17.082 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:178 Resp: 50507
Ion Ratio Lower Upper
178 100
179 16.4 13.0 19.4
176 19.2 15.0 22.6

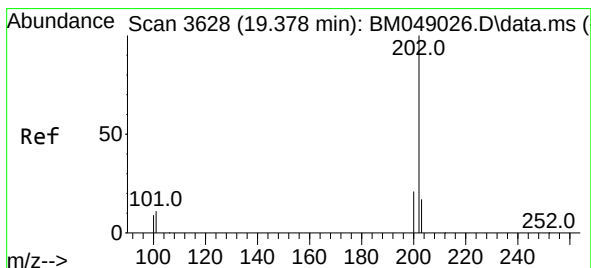
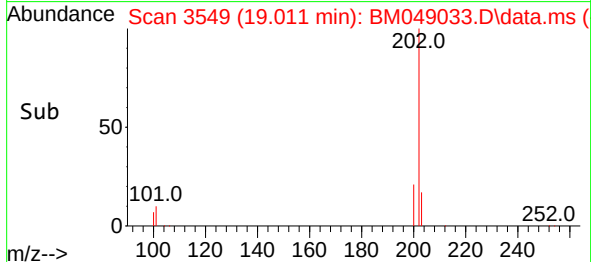
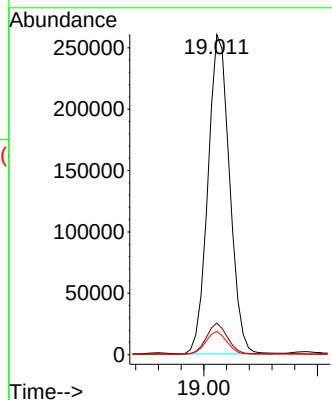
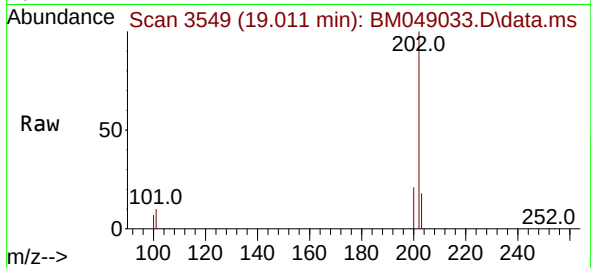




#19
Fluoranthene
Concen: 3.271 ng/ul
RT: 19.011 min Scan# 3549
Delta R.T. -0.003 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

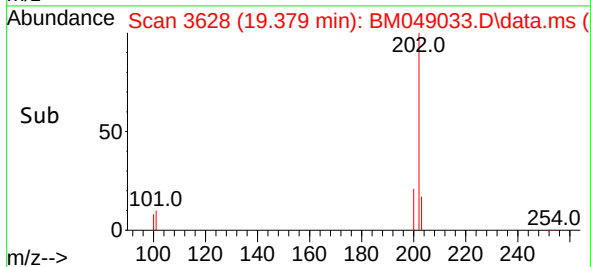
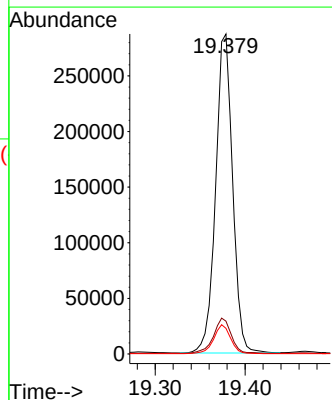
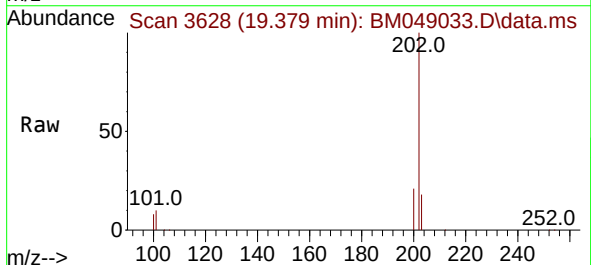
Instrument :
BNA_M
ClientSampleId :
E28W2MSD

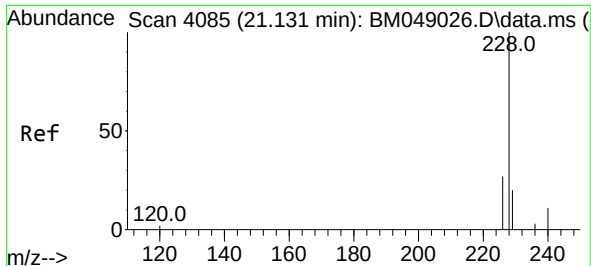
Tgt Ion:202 Resp: 344109
Ion Ratio Lower Upper
202 100
101 9.9 9.7 14.5
100 7.3 7.3 10.9#



#20
Pyrene
Concen: 3.311 ng/ul
RT: 19.379 min Scan# 3628
Delta R.T. -0.003 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:202 Resp: 375375
Ion Ratio Lower Upper
202 100
101 10.3 10.6 16.0#
100 8.0 8.4 12.6#

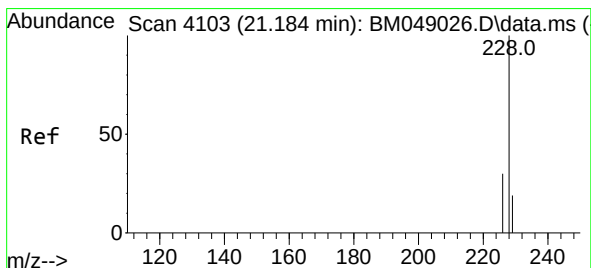
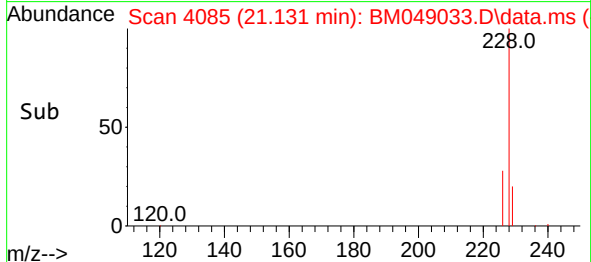
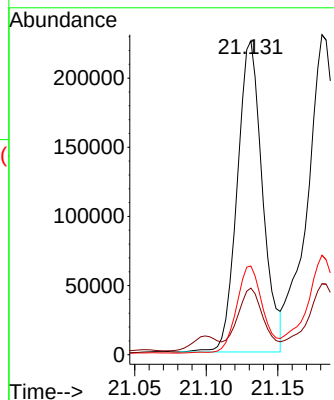
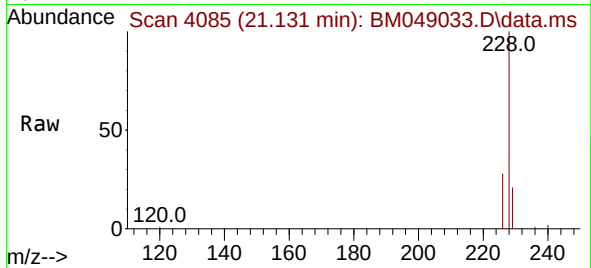




#21
Benzo(a)anthracene
Concen: 3.102 ng/u1
RT: 21.131 min Scan# 4085
Delta R.T. -0.003 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

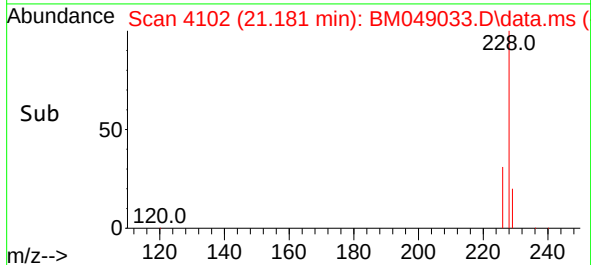
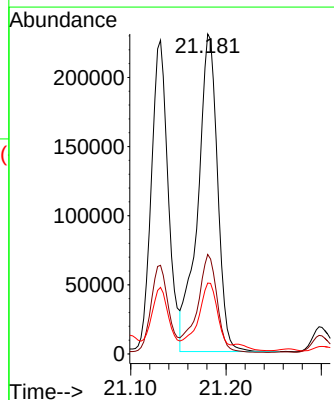
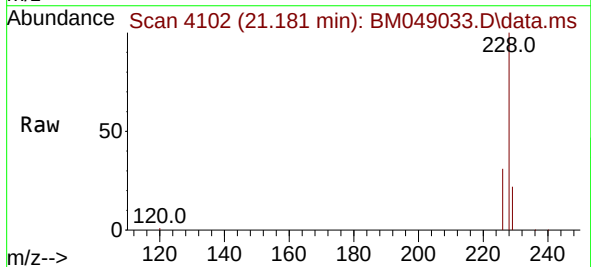
Instrument :
BNA_M
ClientSampleId :
E28W2MSD

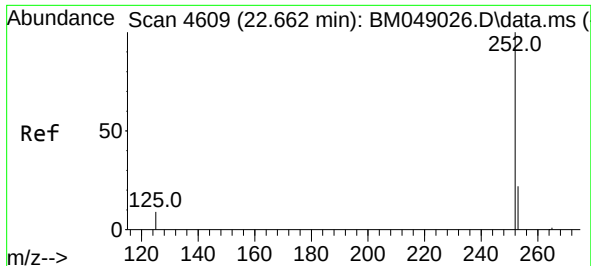
Tgt Ion:228 Resp: 276842
Ion Ratio Lower Upper
228 100
229 21.2 15.7 23.5
226 28.3 23.0 34.4



#22
Chrysene
Concen: 3.277 ng/u1
RT: 21.181 min Scan# 4102
Delta R.T. -0.006 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:228 Resp: 330975
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.1 16.0 24.0

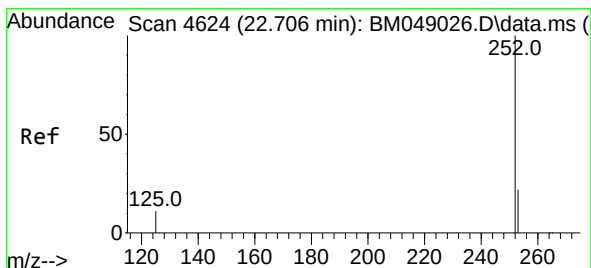
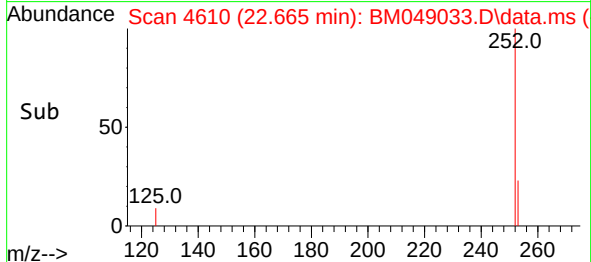
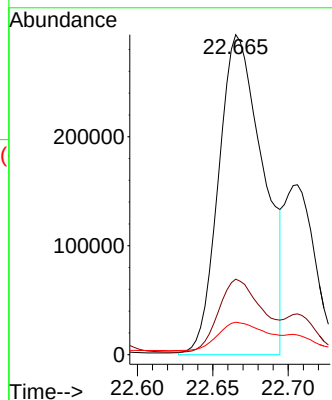
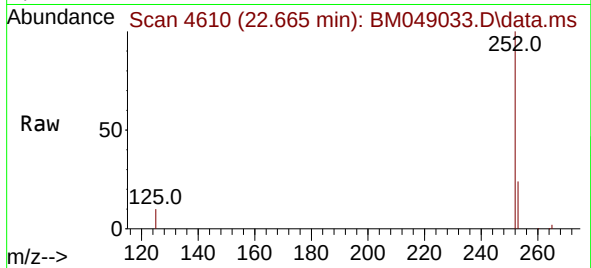




#24
Benzo(b)fluoranthene
Concen: 6.322 ng/ul m
RT: 22.665 min Scan# 4609
Delta R.T. -0.000 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

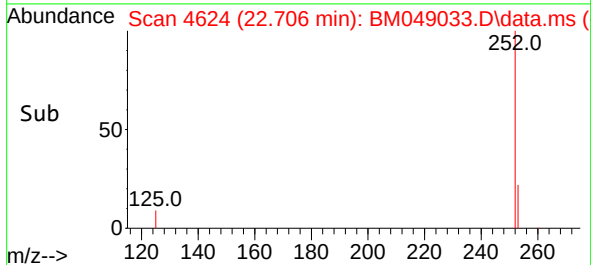
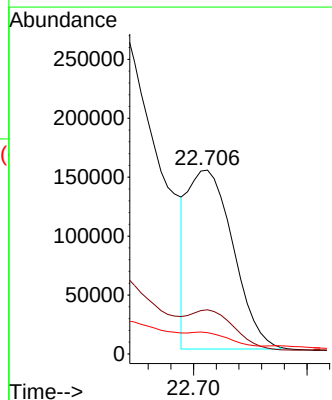
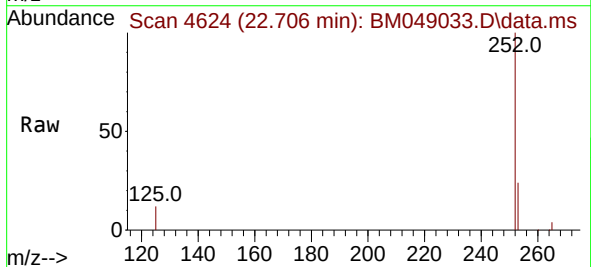
Instrument :
BNA_M
ClientSampleId :
E28W2MSD

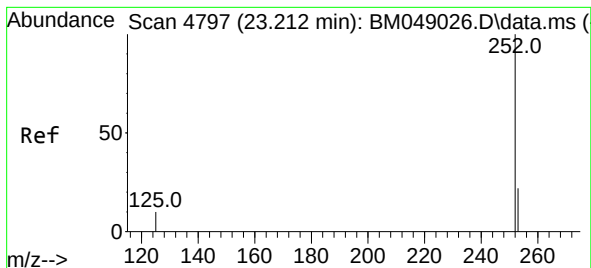
Tgt Ion:252 Resp: 604095
Ion Ratio Lower Upper
252 100
253 23.6 0.0 51.0
125 10.1 0.0 36.6



#25
Benzo(k)fluoranthene
Concen: 1.897 ng/ul m
RT: 22.706 min Scan# 4624
Delta R.T. -0.003 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:252 Resp: 209655
Ion Ratio Lower Upper
252 100
253 24.0 20.5 30.7
125 11.5 17.3 25.9#





#26

Benzo(a)pyrene

Concen: 5.166 ng/ul

RT: 23.215 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

Instrument :

BNA_M

ClientSampleId :

E28W2MSD

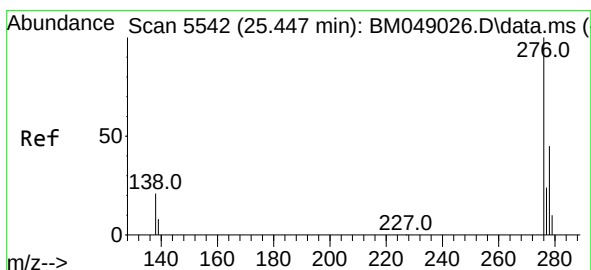
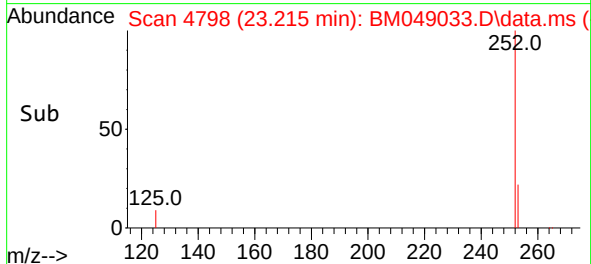
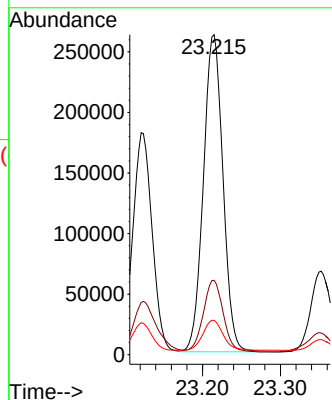
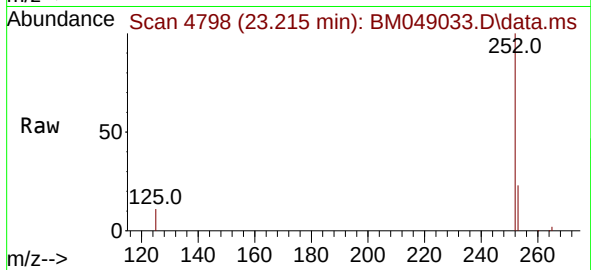
Tgt Ion:252 Resp: 456549

Ion Ratio Lower Upper

252 100

253 23.2 21.8 32.8

125 10.7 18.6 27.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.149 ng/ul

RT: 25.450 min Scan# 5543

Delta R.T. -0.004 min

Lab File: BM049033.D

Acq: 17 Dec 2024 22:24

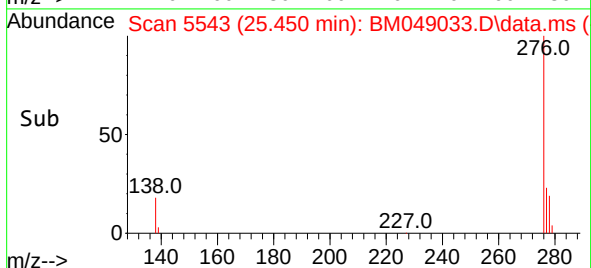
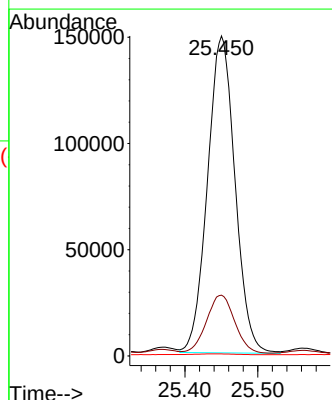
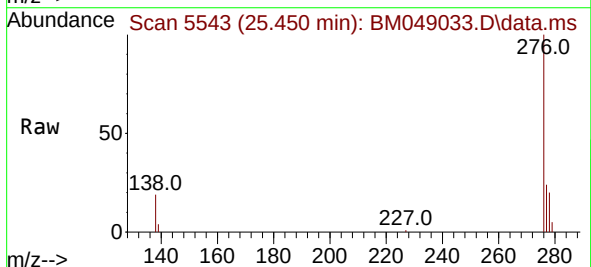
Tgt Ion:276 Resp: 390861

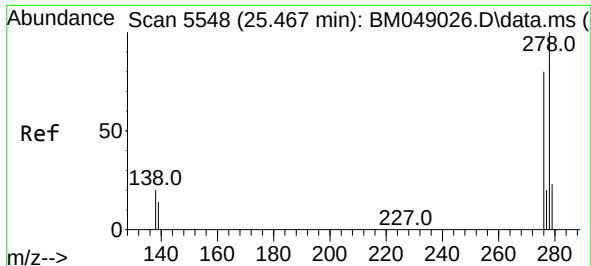
Ion Ratio Lower Upper

276 100

138 18.8 22.1 33.1#

227 0.4 0.2 0.2#

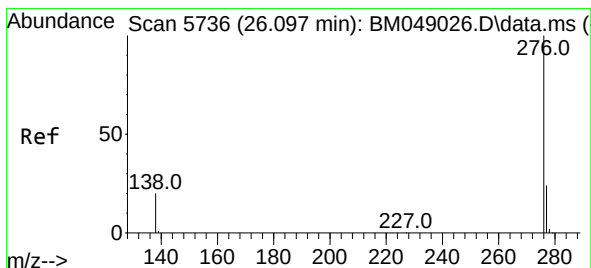
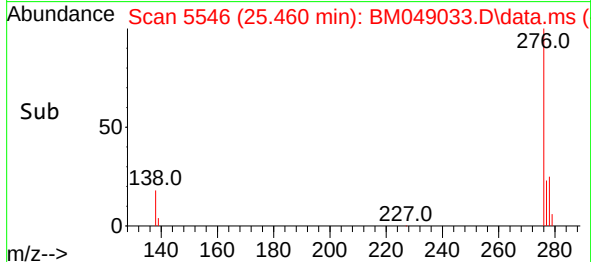
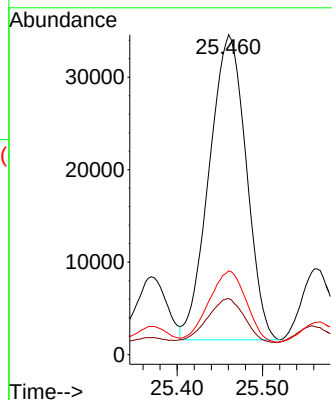
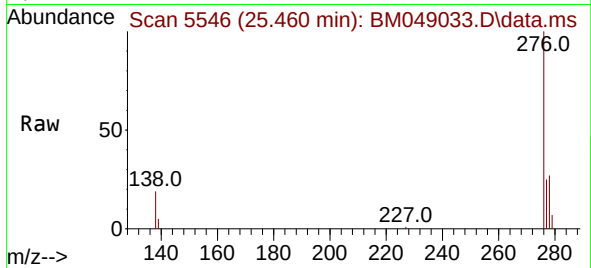




#28
Dibenzo(a,h)anthracene
Concen: 1.026 ng/ul
RT: 25.460 min Scan# 51
Delta R.T. -0.014 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Instrument :
BNA_M
ClientSampleId :
E28W2MSD

Tgt Ion:278 Resp: 99132
Ion Ratio Lower Upper
278 100
139 17.5 17.4 26.0
279 26.2 21.1 31.7



#29
Benzo(g,h,i)perylene
Concen: 4.308 ng/ul
RT: 26.104 min Scan# 5738
Delta R.T. 0.006 min
Lab File: BM049033.D
Acq: 17 Dec 2024 22:24

Tgt Ion:276 Resp: 430177
Ion Ratio Lower Upper
276 100
138 19.7 19.8 29.6#
277 23.9 19.6 29.4

