

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049247.D
 Acq On : 27 Dec 2024 09:54
 Operator : RC/JU
 Sample : P5333-12DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2914DL

Quant Time: Dec 27 22:11:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 26 11:35:38 2024
 Response via : Initial Calibration

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

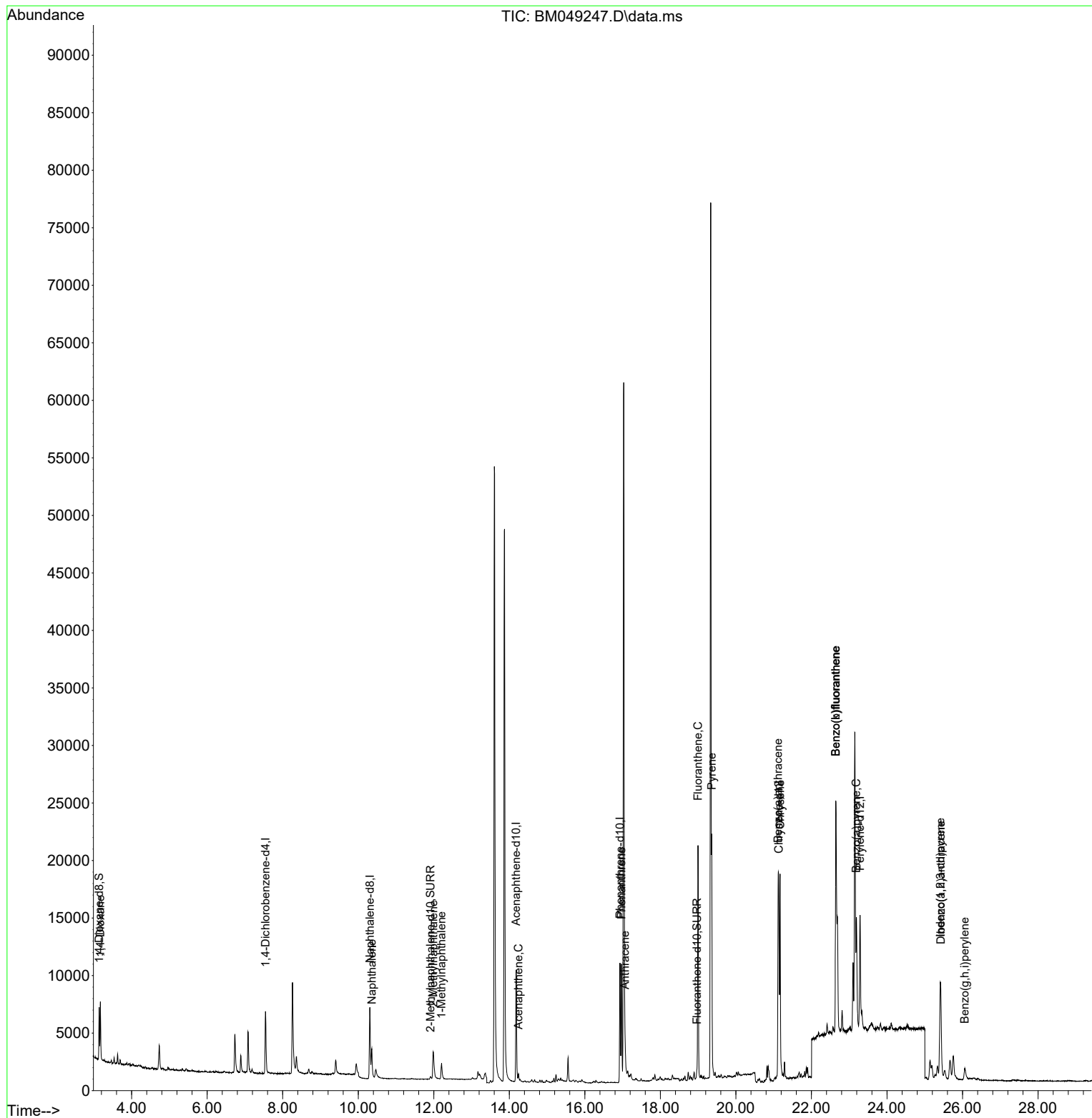
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.544	152	3234	0.400	ng/ul	0.00
4) Naphthalene-d8	10.308	136	9579	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.182	164	5888	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.929	188	13196	0.400	ng/ul	0.00
17) Chrysene-d12	21.135	240	11818	0.400	ng/ul	0.00
23) Perylene-d12	23.286	264	12851	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	2417	0.648	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.914	152	505	0.039	ng/ul	0.00
18) Fluoranthene-d10	18.968	212	961	0.029	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	3025	0.694	ng/ul#	84
5) Naphthalene	10.358	128	3537	0.148	ng/ul#	93
7) 2-Methylnaphthalene	11.986	142	2974	0.196	ng/ul	99
8) 1-Methylnaphthalene	12.206	142	1336	0.086	ng/ul	97
11) Acenaphthene	14.242	153	391	0.022	ng/ul#	87
15) Phenanthrene	16.971	178	11232	0.326	ng/ul	100
16) Anthracene	17.064	178	1462	0.046	ng/ul#	83
19) Fluoranthene	18.996	202	18139	0.425	ng/ul	99
20) Pyrene	19.359	202	16792	0.368	ng/ul	99
21) Benzo(a)anthracene	21.117	228	12662	0.308	ng/ul	97
22) Chrysene	21.170	228	18641	0.423	ng/ul	96
24) Benzo(b)fluoranthene	22.645	252	43532	1.060	ng/ul	97
25) Benzo(k)fluoranthene	22.645	252	43532	0.966	ng/ul	96
26) Benzo(a)pyrene	23.189	252	12269	0.312	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.414	276	14392	0.258	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.424	278	4067	0.094	ng/ul#	80
29) Benzo(g,h,i)perylene	26.061	276	2282	0.051	ng/ul#	73

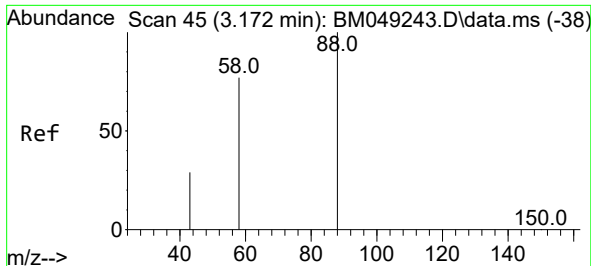
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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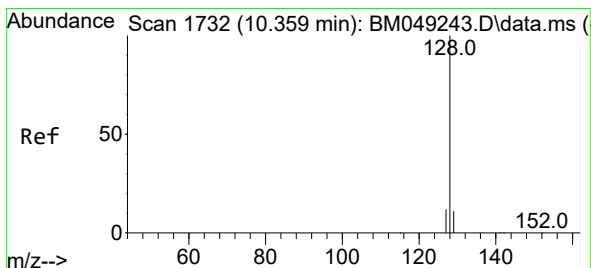
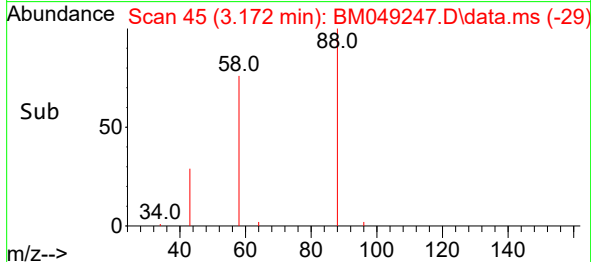
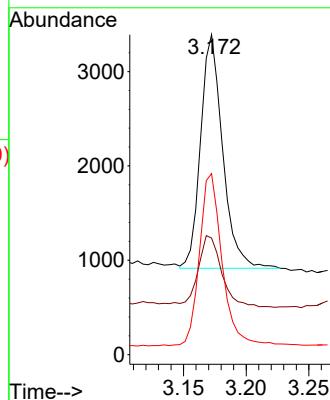
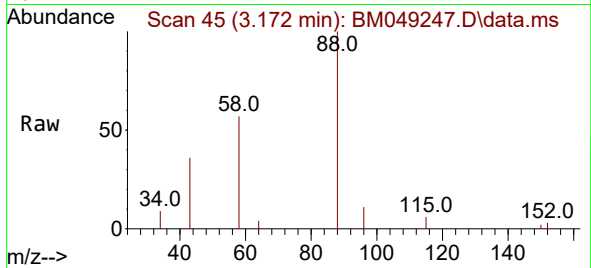




#2
1,4-Dioxane
Concen: 0.694 ng/ul
RT: 3.172 min Scan# 41
Delta R.T. -0.004 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

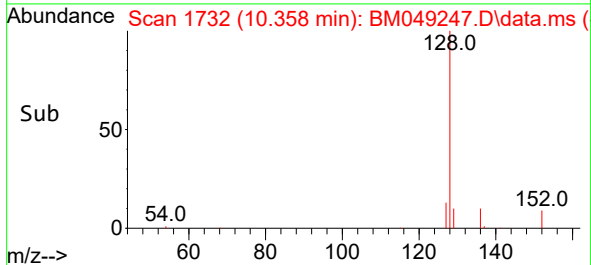
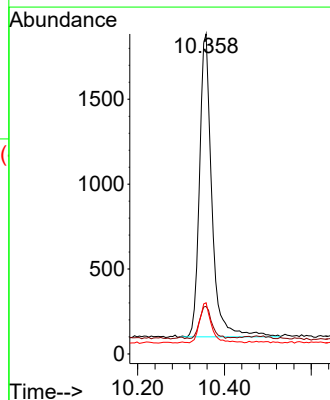
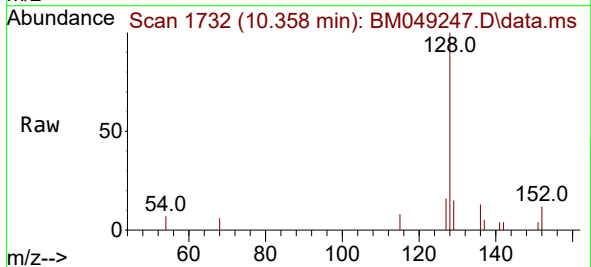
Instrument :
BNA_M
ClientSampleId :
E2914DL

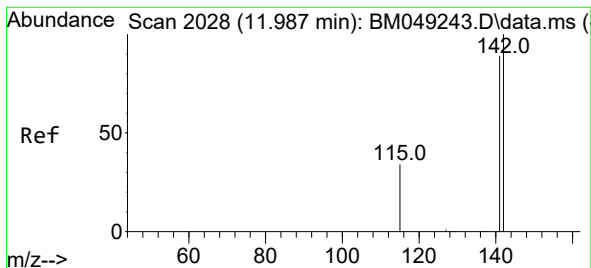
Tgt Ion: 88 Resp: 3025
Ion Ratio Lower Upper
88 100
43 36.4 45.4 68.2#
58 56.6 43.6 65.4



#5
Naphthalene
Concen: 0.148 ng/ul
RT: 10.358 min Scan# 1732
Delta R.T. 0.000 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

Tgt Ion: 128 Resp: 3537
Ion Ratio Lower Upper
128 100
129 14.9 9.7 14.5#
127 16.0 10.6 16.0#





#7

2-Methylnaphthalene

Concen: 0.196 ng/ul

RT: 11.986 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BM049247.D

Acq: 27 Dec 2024 09:54

Instrument :

BNA_M

ClientSampleId :

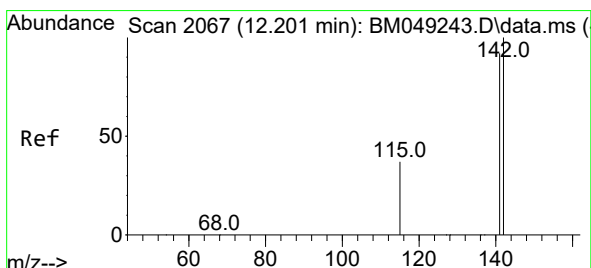
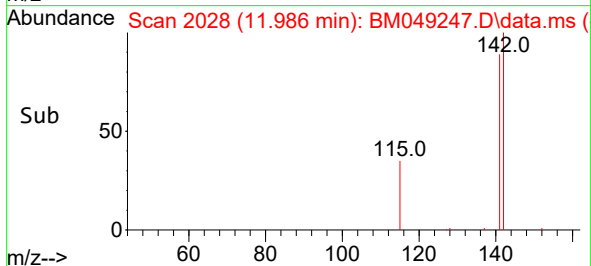
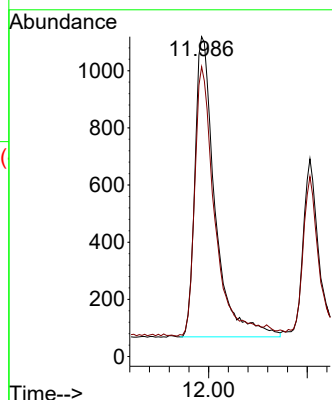
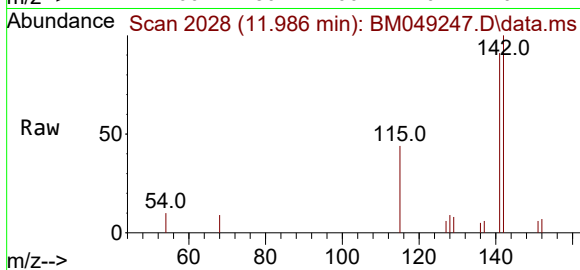
E2914DL

Tgt Ion:142 Resp: 2974

Ion Ratio Lower Upper

142 100

141 90.9 71.7 107.5



#8

1-Methylnaphthalene

Concen: 0.086 ng/ul

RT: 12.206 min Scan# 2068

Delta R.T. 0.000 min

Lab File: BM049247.D

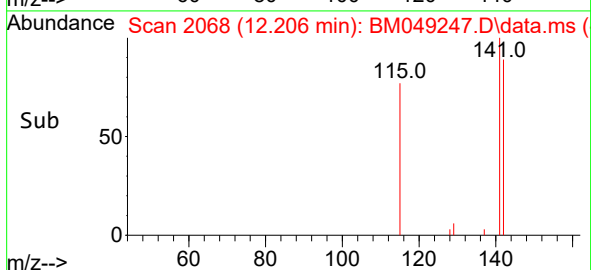
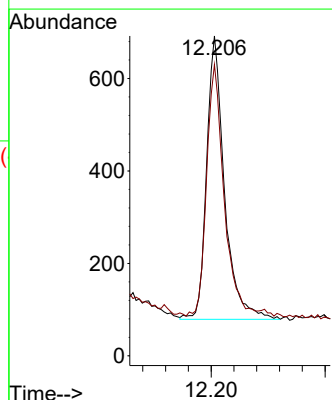
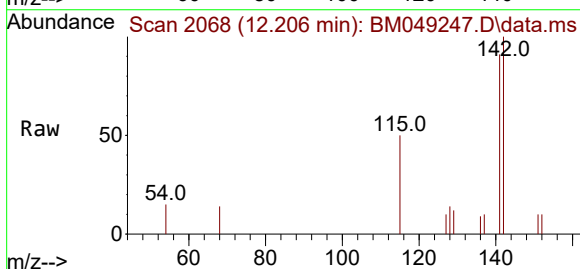
Acq: 27 Dec 2024 09:54

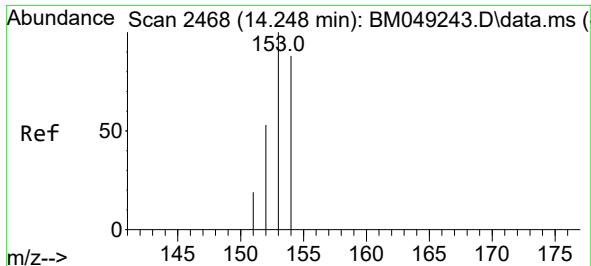
Tgt Ion:142 Resp: 1336

Ion Ratio Lower Upper

142 100

141 88.5 72.7 109.1

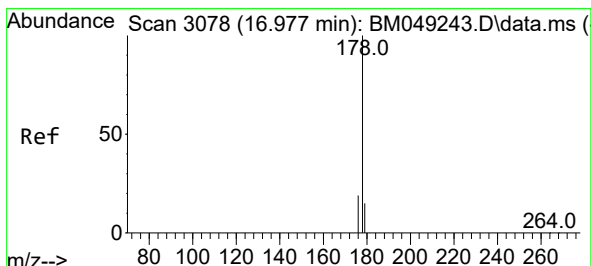
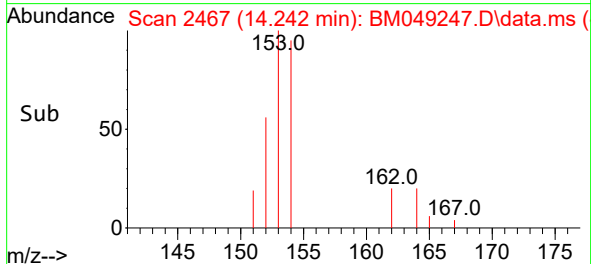
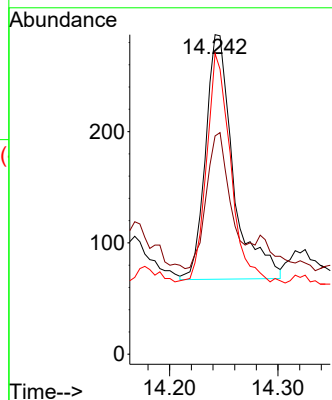
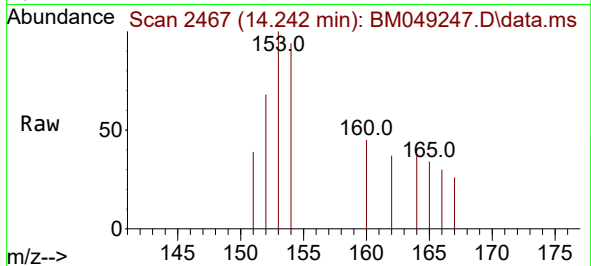




#11
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.242 min Scan# 2467
Delta R.T. -0.004 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

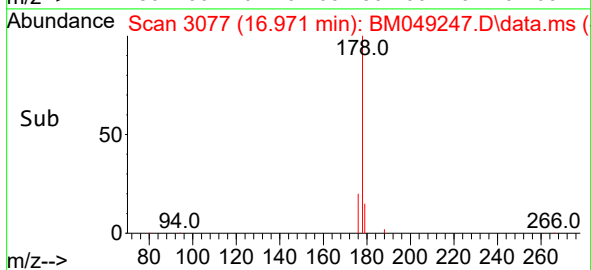
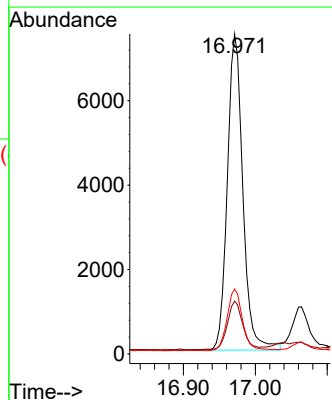
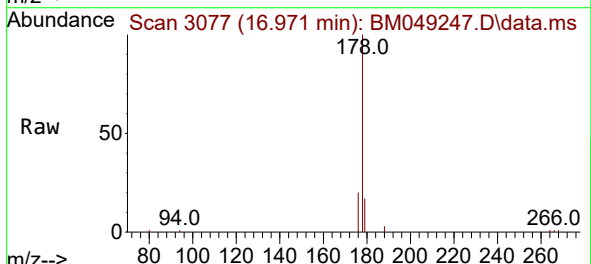
Instrument :
BNA_M
ClientSampleId :
E2914DL

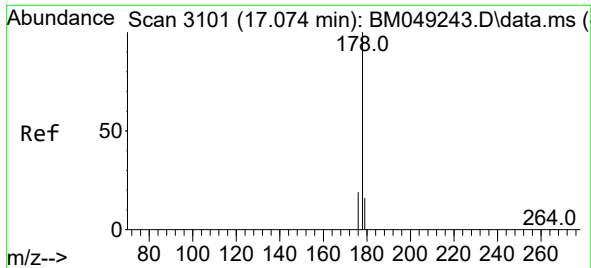
Tgt Ion:153 Resp: 391
Ion Ratio Lower Upper
153 100
152 68.3 40.7 61.1#
154 94.1 70.8 106.2



#15
Phenanthrene
Concen: 0.326 ng/ul
RT: 16.971 min Scan# 3077
Delta R.T. -0.004 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

Tgt Ion:178 Resp: 11232
Ion Ratio Lower Upper
178 100
179 16.5 13.0 19.4
176 20.3 16.2 24.2

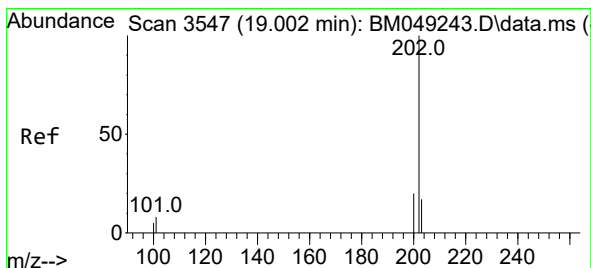
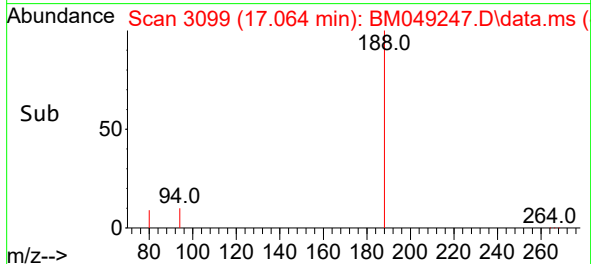
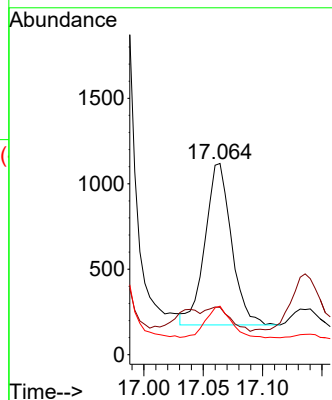
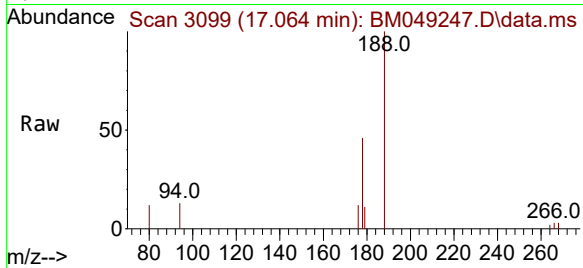




#16
Anthracene
Concen: 0.046 ng/ul
RT: 17.064 min Scan# 3099
Delta R.T. -0.004 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

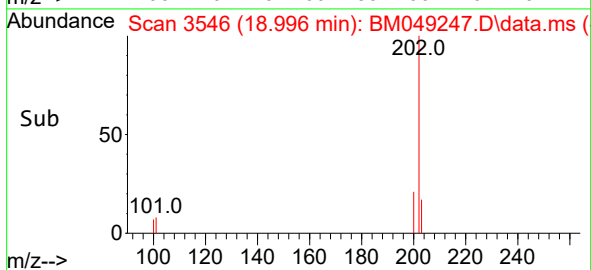
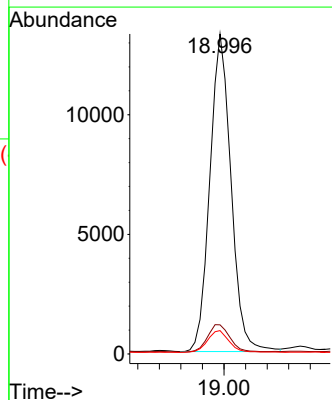
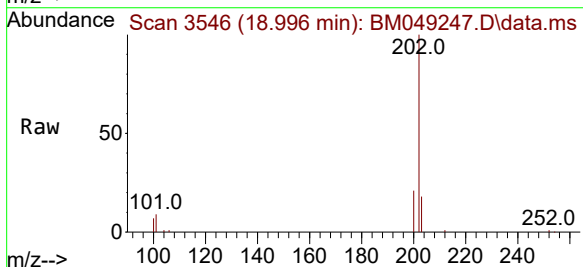
Instrument :
BNA_M
ClientSampleId :
E2914DL

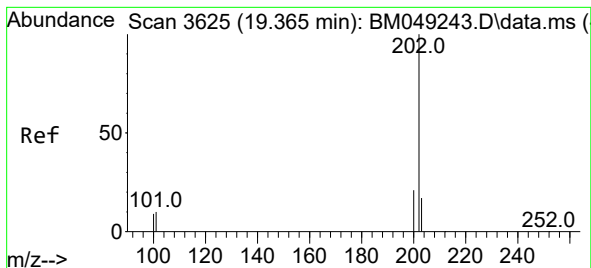
Tgt Ion:178 Resp: 1462
Ion Ratio Lower Upper
178 100
179 24.8 12.9 19.3#
176 25.4 15.3 22.9#



#19
Fluoranthene
Concen: 0.425 ng/ul
RT: 18.996 min Scan# 3546
Delta R.T. -0.004 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

Tgt Ion:202 Resp: 18139
Ion Ratio Lower Upper
202 100
101 9.1 7.6 11.4
100 7.3 5.5 8.3





#20

Pyrene

Concen: 0.368 ng/ul

RT: 19.359 min Scan# 3

Delta R.T. -0.004 min

Lab File: BM049247.D

Acq: 27 Dec 2024 09:54

Instrument :

BNA_M

ClientSampleId :

E2914DL

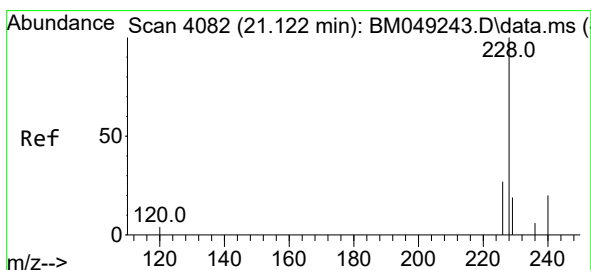
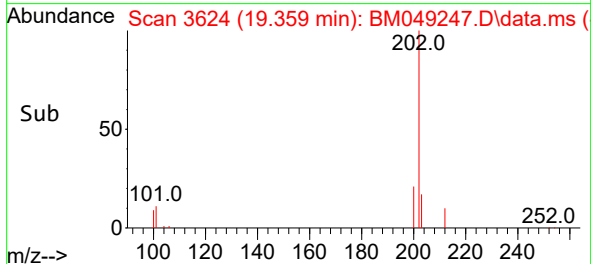
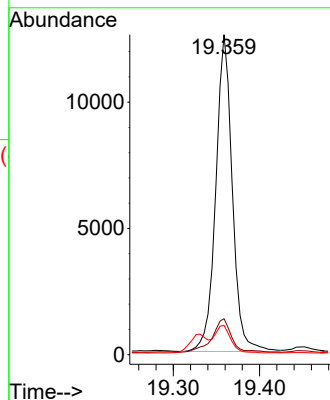
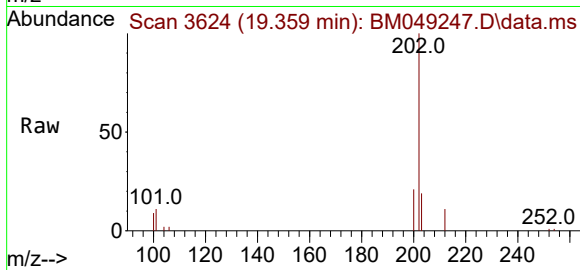
Tgt Ion:202 Resp: 16792

Ion Ratio Lower Upper

202 100

101 11.3 8.9 13.3

100 9.1 6.9 10.3



#21

Benzo(a)anthracene

Concen: 0.308 ng/ul

RT: 21.117 min Scan# 4080

Delta R.T. -0.003 min

Lab File: BM049247.D

Acq: 27 Dec 2024 09:54

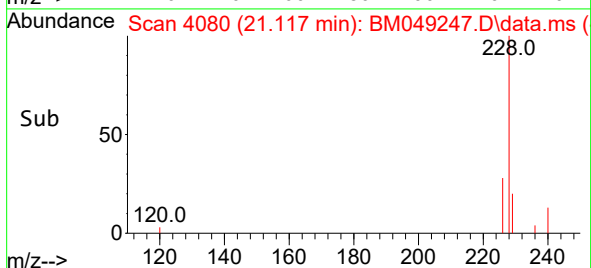
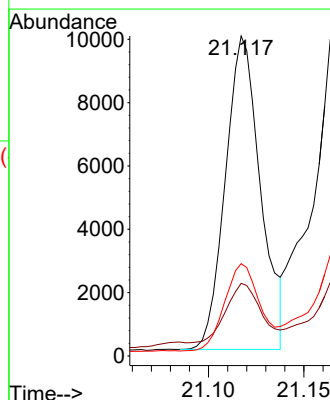
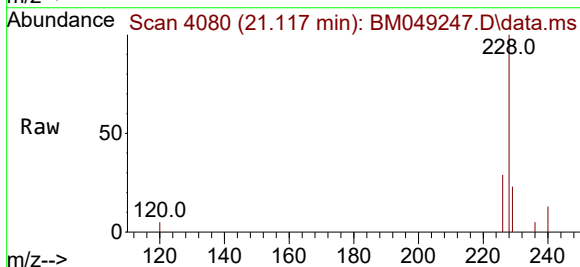
Tgt Ion:228 Resp: 12662

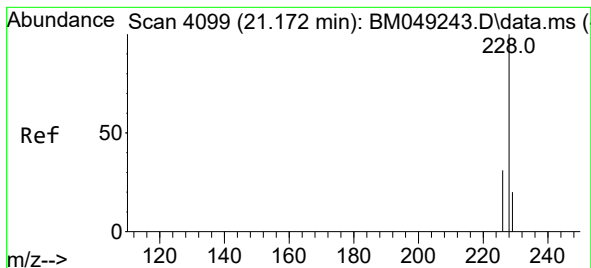
Ion Ratio Lower Upper

228 100

229 22.7 15.9 23.9

226 28.8 22.6 34.0





#22

Chrysene

Concen: 0.423 ng/ul

RT: 21.170 min Scan# 4099

Delta R.T. -0.003 min

Lab File: BM049247.D

Acq: 27 Dec 2024 09:54

Instrument :

BNA_M

ClientSampleId :

E2914DL

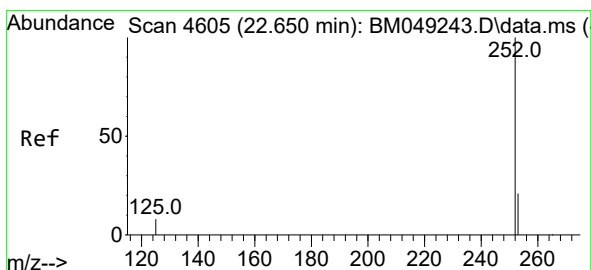
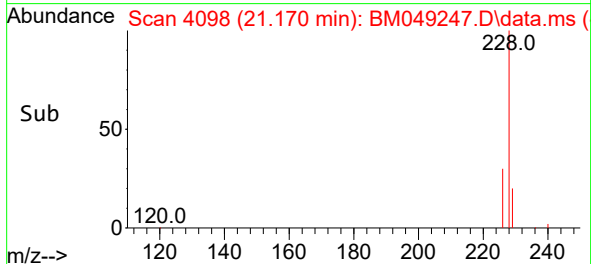
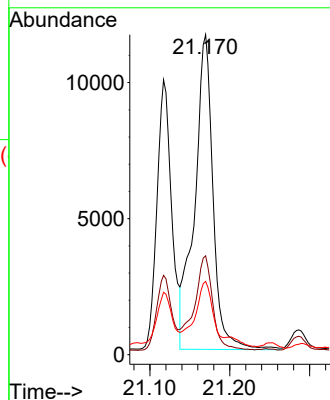
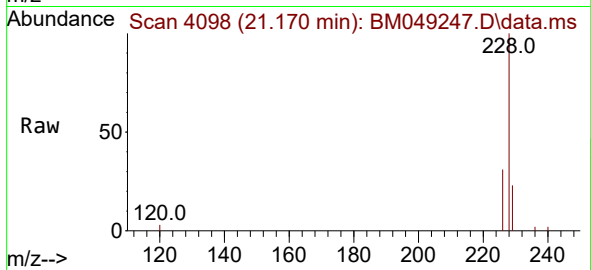
Tgt Ion:228 Resp: 18641

Ion Ratio Lower Upper

228 100

226 30.9 24.1 36.1

229 22.9 15.8 23.8



#24

Benzo(b)fluoranthene

Concen: 1.060 ng/ul

RT: 22.645 min Scan# 4603

Delta R.T. -0.003 min

Lab File: BM049247.D

Acq: 27 Dec 2024 09:54

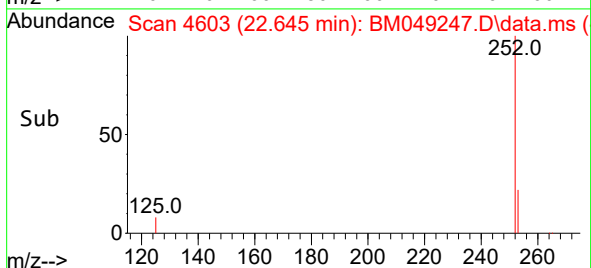
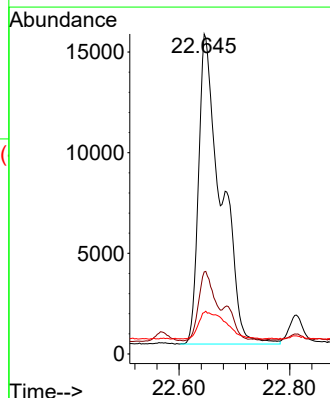
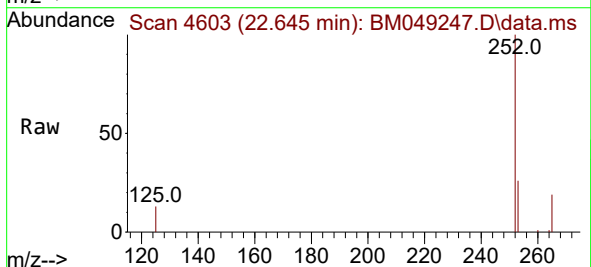
Tgt Ion:252 Resp: 43532

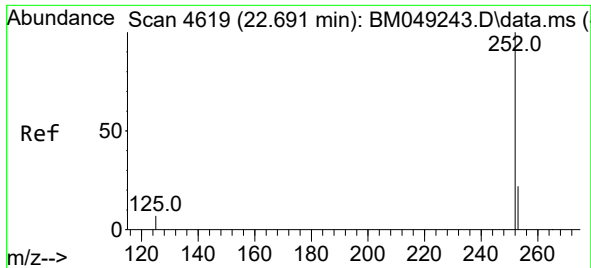
Ion Ratio Lower Upper

252 100

253 25.7 0.0 52.6

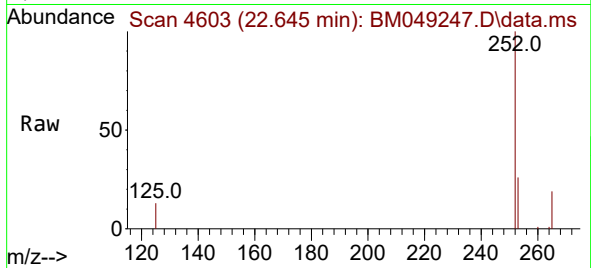
125 13.0 0.0 30.8



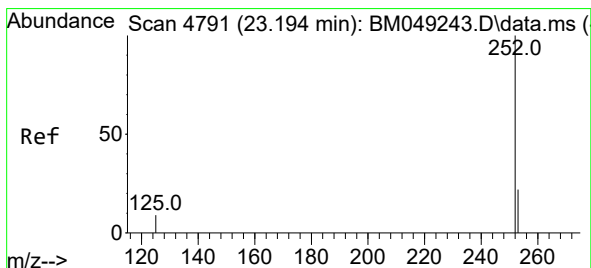
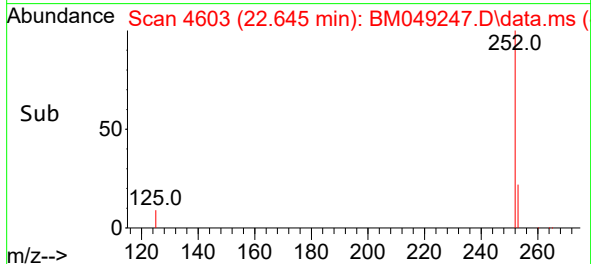
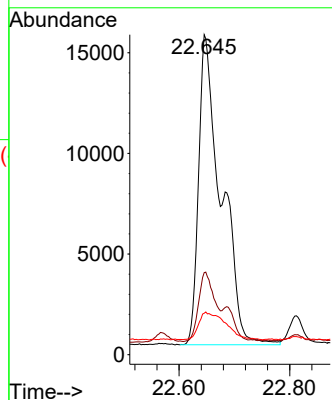


#25
Benzo(k)fluoranthene
Concen: 0.966 ng/ul
RT: 22.645 min Scan# 4603
Delta R.T. -0.047 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

Instrument :
BNA_M
ClientSampleId :
E2914DL

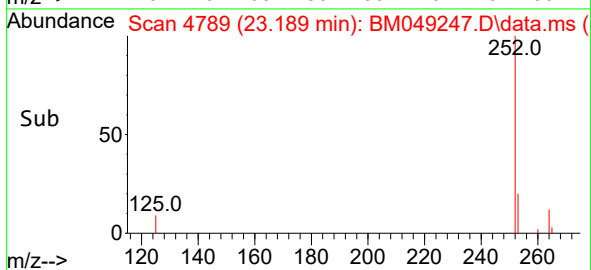
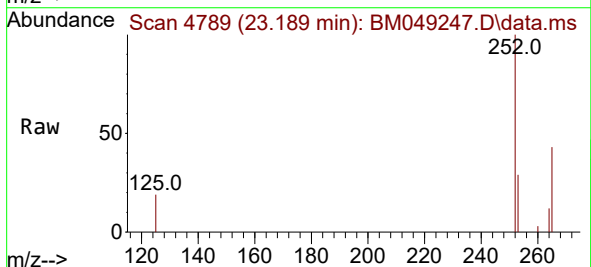
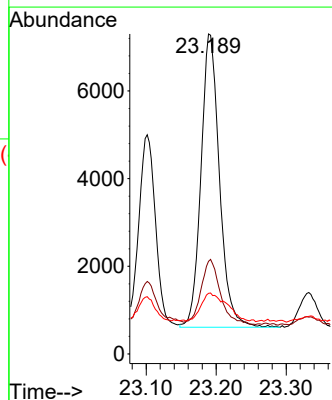


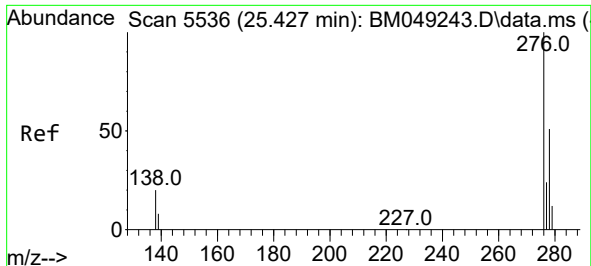
Tgt Ion:252 Resp: 43532
Ion Ratio Lower Upper
252 100
253 25.7 21.3 31.9
125 13.0 12.6 18.8



#26
Benzo(a)pyrene
Concen: 0.312 ng/ul
RT: 23.189 min Scan# 4789
Delta R.T. -0.003 min
Lab File: BM049247.D
Acq: 27 Dec 2024 09:54

Tgt Ion:252 Resp: 12269
Ion Ratio Lower Upper
252 100
253 29.0 22.4 33.6
125 19.0 14.8 22.2

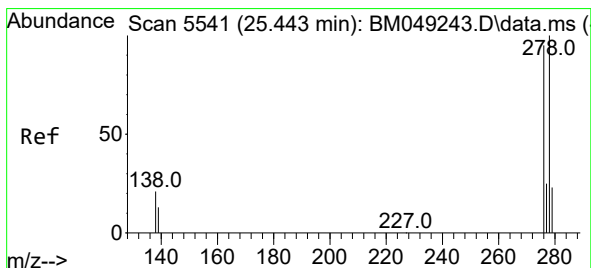
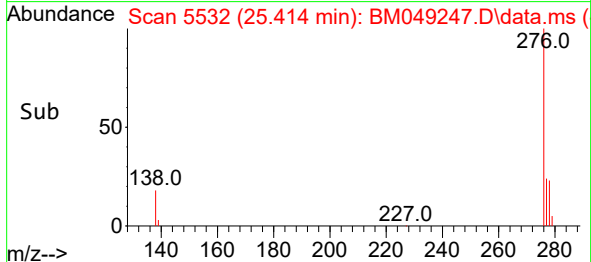
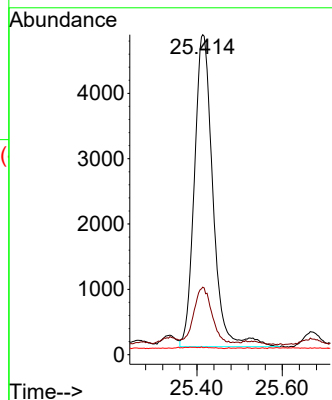
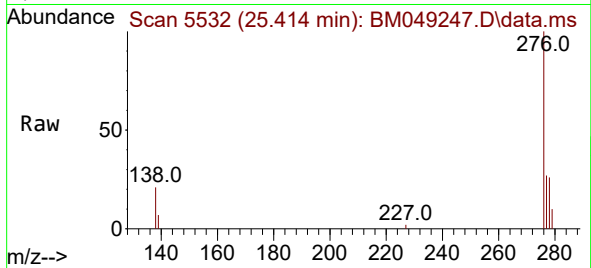




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.258 ng/ul
 RT: 25.414 min Scan# 5532
 Delta R.T. -0.003 min
 Lab File: BM049247.D
 Acq: 27 Dec 2024 09:54

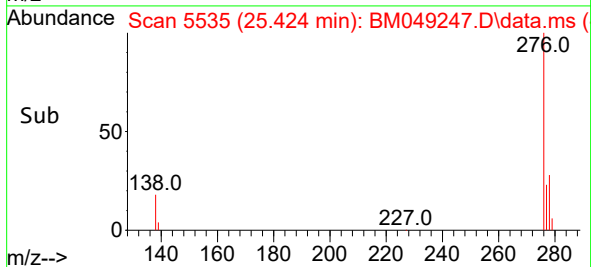
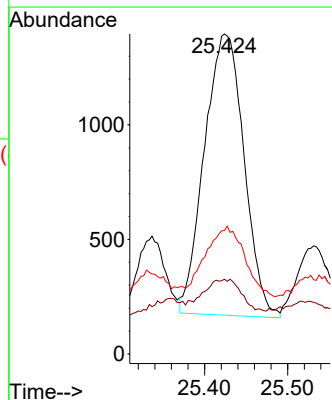
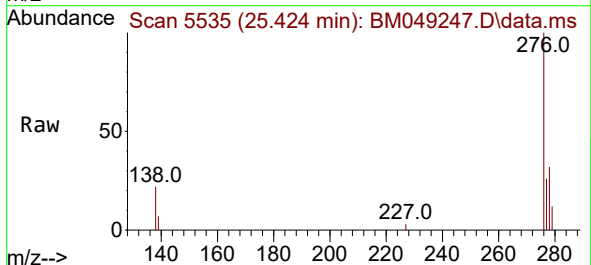
Instrument :
 BNA_M
 ClientSampleId :
 E2914DL

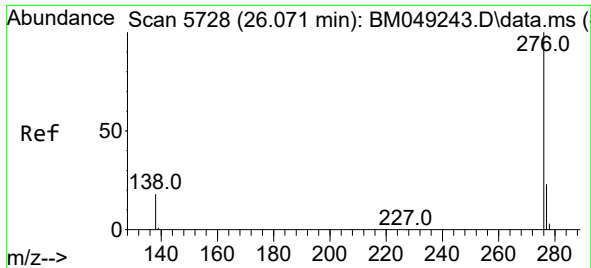
Tgt Ion:276 Resp: 14392
 Ion Ratio Lower Upper
 276 100
 138 17.9 17.4 26.2
 227 0.3 0.2 0.2#



#28
 Dibenzo(a,h)anthracene
 Concen: 0.094 ng/ul
 RT: 25.424 min Scan# 5535
 Delta R.T. -0.013 min
 Lab File: BM049247.D
 Acq: 27 Dec 2024 09:54

Tgt Ion:278 Resp: 4067
 Ion Ratio Lower Upper
 278 100
 139 23.3 13.5 20.3#
 279 38.6 21.5 32.3#





#29

Benzo(g,h,i)perylene

Concen: 0.051 ng/ul

RT: 26.061 min Scan# 51

Delta R.T. -0.007 min

Lab File: BM049247.D

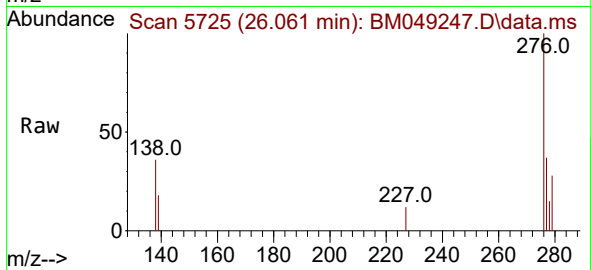
Acq: 27 Dec 2024 09:54

Instrument :

BNA_M

ClientSampleId :

E2914DL



Tgt Ion:276 Resp: 2282

Ion Ratio Lower Upper

276 100

138 35.6 16.7 25.1#

277 36.6 19.9 29.9#

