

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049288.D
 Acq On : 28 Dec 2024 12:08
 Operator : RC/JU
 Sample : P5351-04
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2926

Quant Time: Dec 29 21:57:02 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)

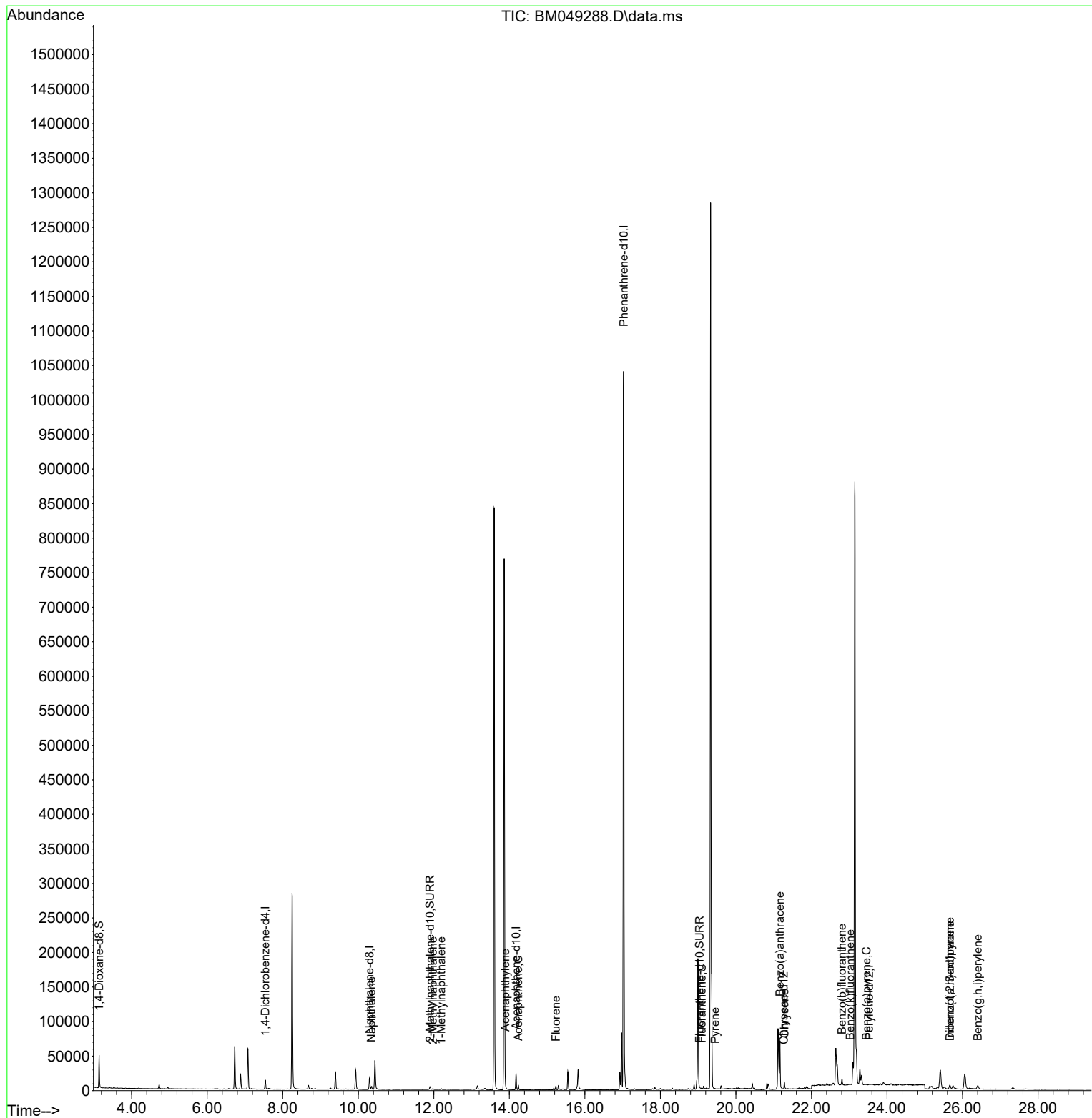
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	6574	0.400	ng/ul	0.00
4) Naphthalene-d8	10.299	136	21339	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	12845	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.027	188	1234492	0.400	ng/ul	0.09
17) Chrysene-d12	21.263	240	36	0.400	ng/ul	# 0.13
23) Perylene-d12	23.525	264	228	0.400	ng/ul	# 0.24
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	26107	3.443	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	6519	0.227	ng/ul	0.00
18) Fluoranthene-d10	19.039	212	713	6.981	ng/ul	0.07
Target Compounds						Qvalue
5) Naphthalene	10.348	128	1558	0.029	ng/ul#	77
7) 2-Methylnaphthalene	11.976	142	995	0.029	ng/ul	99
8) 1-Methylnaphthalene	12.196	142	1055	0.030	ng/ul	97
10) Acenaphthylene	13.891	152	1789	0.034	ng/ul#	76
11) Acenaphthene	14.238	153	3464	0.089	ng/ul	99
12) Fluorene	15.233	166	3385	0.077	ng/ul#	98
19) Fluoranthene	19.095	202	262	2.013	ng/ul#	1
20) Pyrene	19.444	202	374	2.694	ng/ul#	6
21) Benzo(a)anthracene	21.166	228	50849	406.060	ng/ul	96
22) Chrysene	21.283	228	7111	52.913	ng/ul#	53
24) Benzo(b)fluoranthene	22.808	252	11106	15.247	ng/ul	74
25) Benzo(k)fluoranthene	23.028	252	1239	1.550	ng/ul#	1
26) Benzo(a)pyrene	23.455	252	775	1.109	ng/ul#	1
27) Indeno(1,2,3-cd)pyrene	25.665	276	2086	2.110	ng/ul#	68
28) Dibenzo(a,h)anthracene	25.661	278	8122	10.574	ng/ul#	81
29) Benzo(g,h,i)perylene	26.403	276	10186	12.812	ng/ul#	83

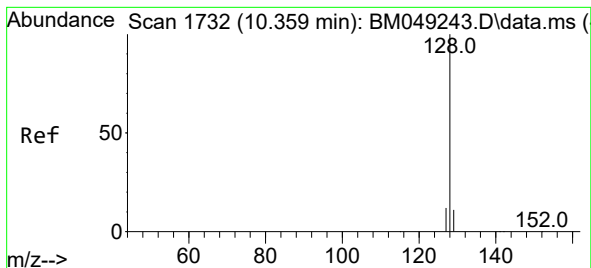
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.029 ng/ul

RT: 10.348 min Scan# 1

Delta R.T. -0.010 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

Instrument :

BNA_M

ClientSampleId :

E2926

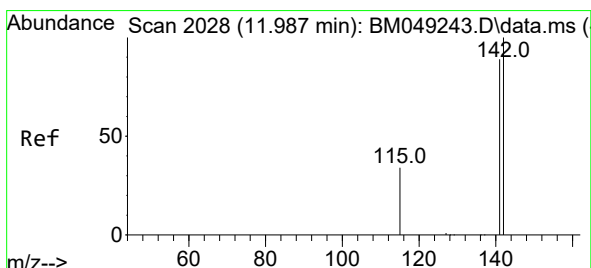
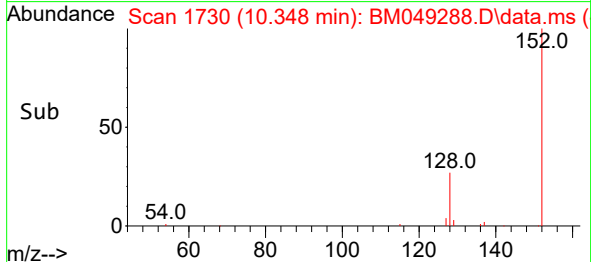
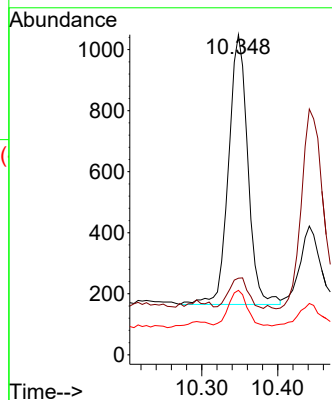
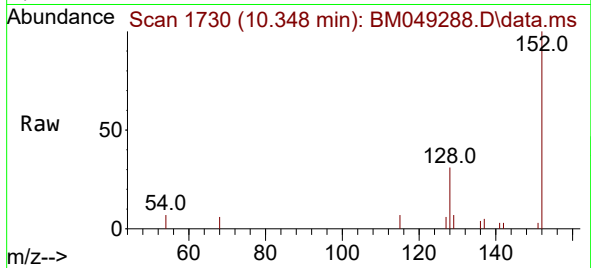
Tgt Ion:128 Resp: 1558

Ion Ratio Lower Upper

128 100

129 23.9 9.7 14.5#

127 20.1 10.6 16.0#



#7

2-Methylnaphthalene

Concen: 0.029 ng/ul

RT: 11.976 min Scan# 2026

Delta R.T. -0.004 min

Lab File: BM049288.D

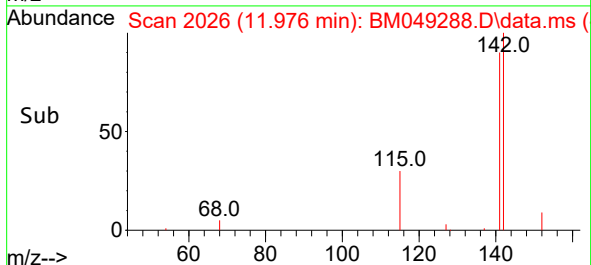
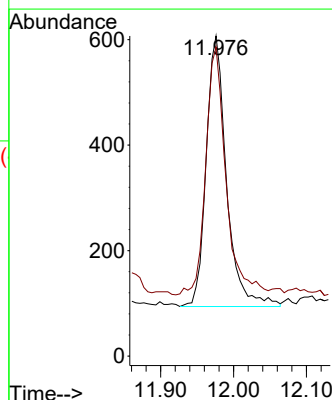
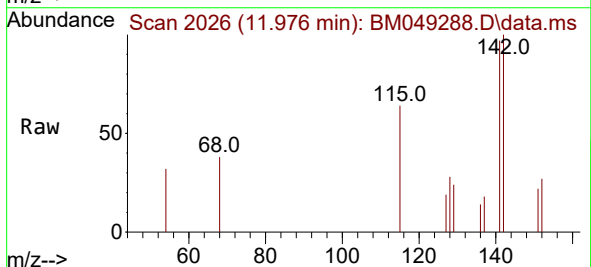
Acq: 28 Dec 2024 12:08

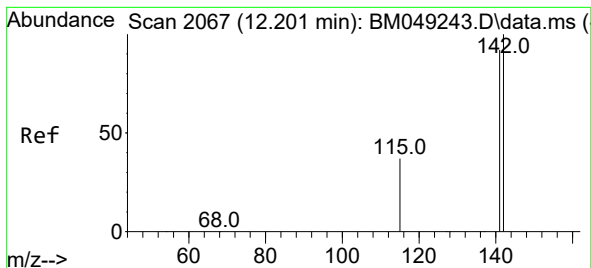
Tgt Ion:142 Resp: 995

Ion Ratio Lower Upper

142 100

141 90.8 71.7 107.5





#8

1-Methylnaphthalene

Concen: 0.030 ng/ul

RT: 12.196 min Scan# 2066

Delta R.T. -0.010 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

Instrument :

BNA_M

ClientSampleId :

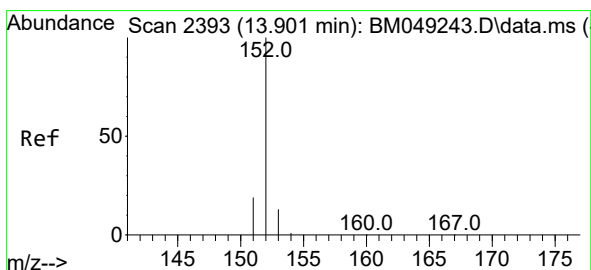
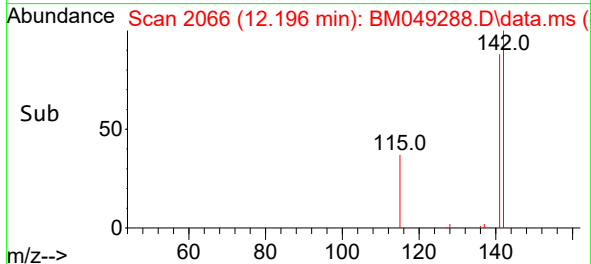
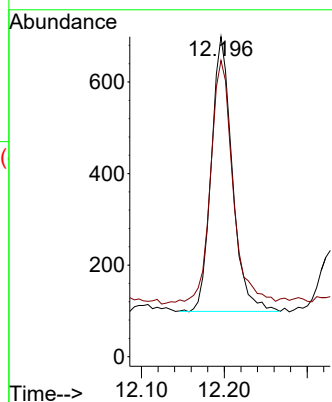
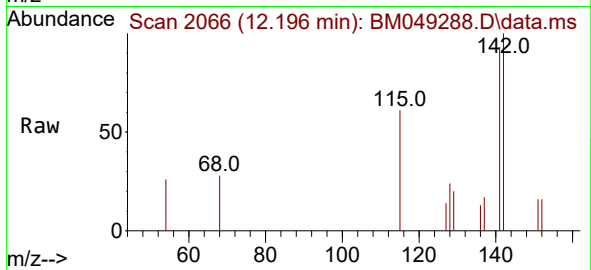
E2926

Tgt Ion:142 Resp: 1055

Ion Ratio Lower Upper

142 100

141 93.7 72.7 109.1



#10

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.891 min Scan# 2391

Delta R.T. -0.008 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

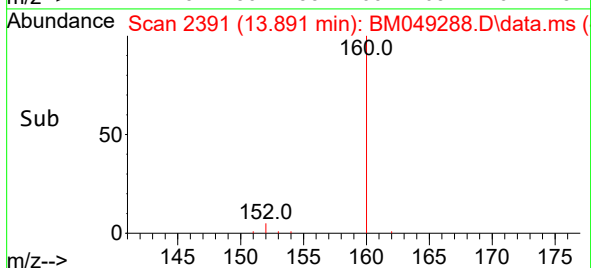
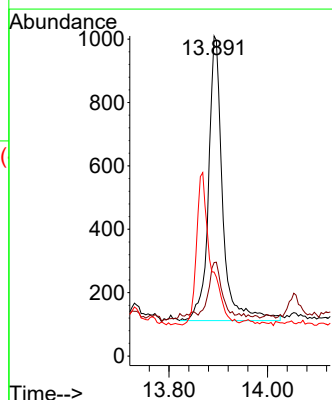
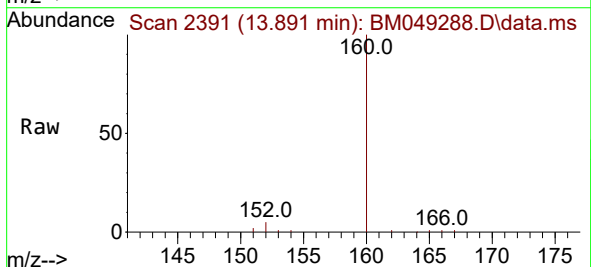
Tgt Ion:152 Resp: 1789

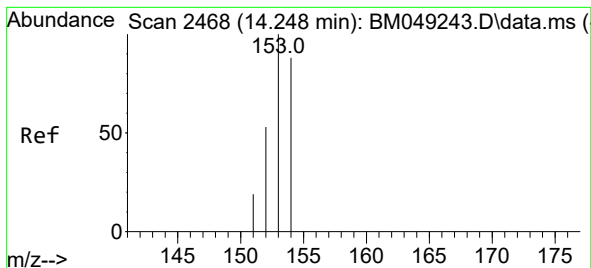
Ion Ratio Lower Upper

152 100

151 29.2 16.0 24.0#

153 26.2 11.0 16.6#





#11

Acenaphthene

Concen: 0.089 ng/ul

RT: 14.238 min Scan# 2466

Delta R.T. -0.008 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

Instrument :

BNA_M

ClientSampleId :

E2926

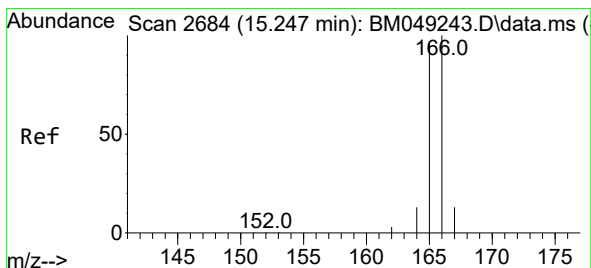
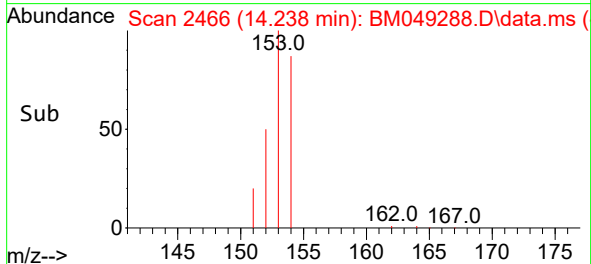
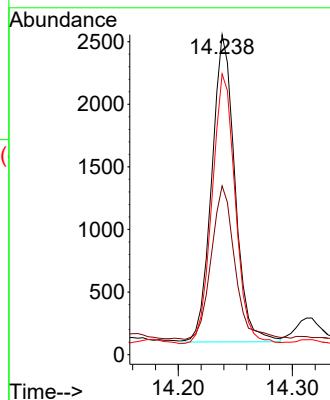
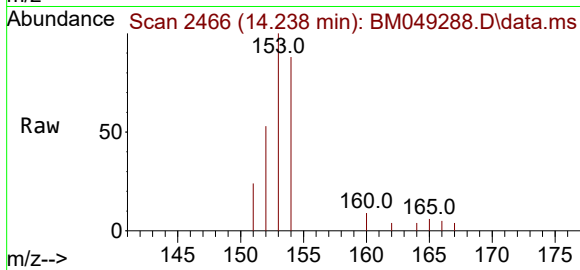
Tgt Ion:153 Resp: 3464

Ion Ratio Lower Upper

153 100

152 52.7 40.7 61.1

154 87.8 70.8 106.2



#12

Fluorene

Concen: 0.077 ng/ul

RT: 15.233 min Scan# 2681

Delta R.T. -0.008 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

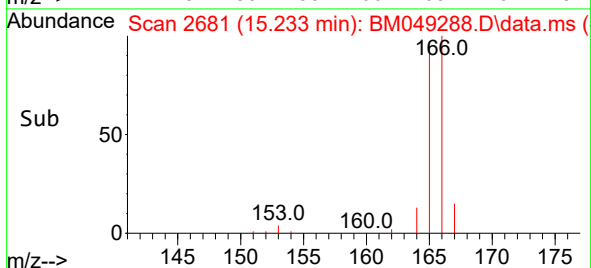
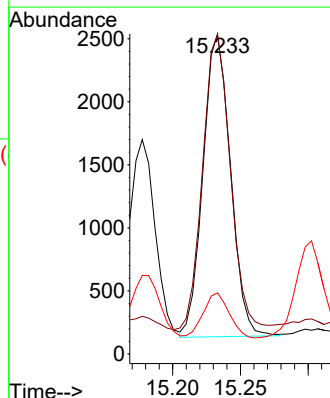
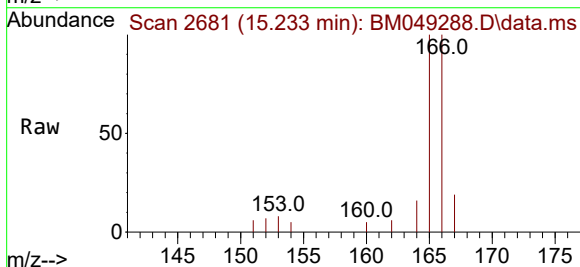
Tgt Ion:166 Resp: 3385

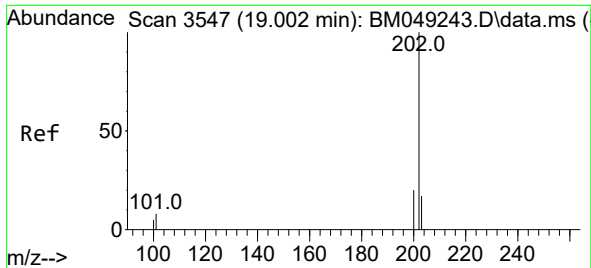
Ion Ratio Lower Upper

166 100

165 99.8 79.7 119.5

167 19.1 11.4 17.0#

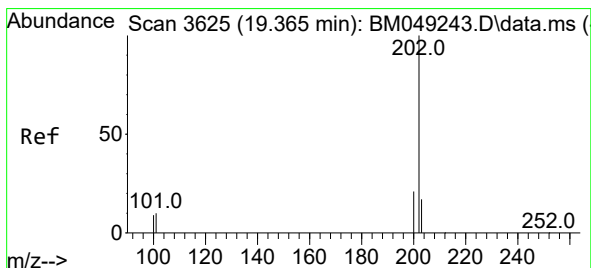
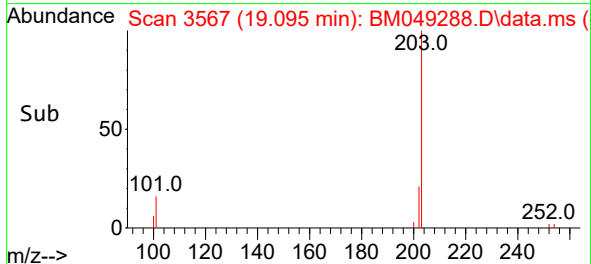
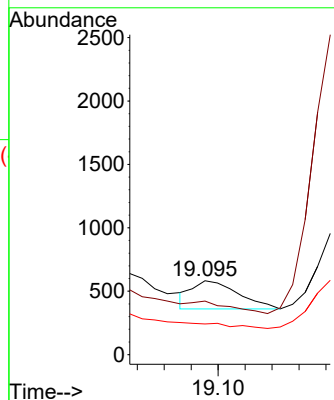
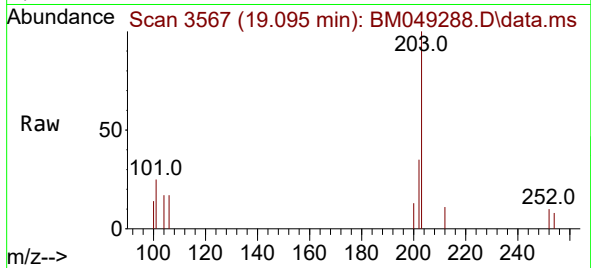




#19
Fluoranthene
Concen: 2.013 ng/ul
RT: 19.095 min Scan# 3567
Delta R.T. 0.094 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

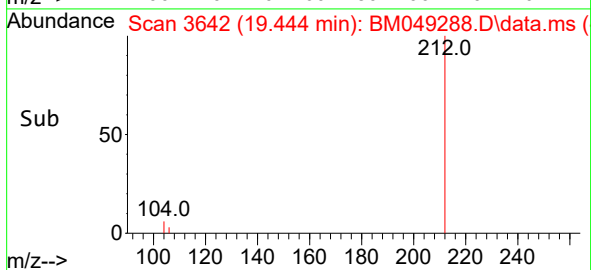
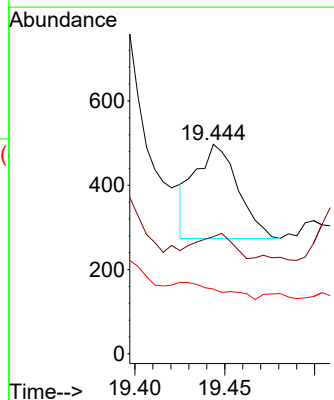
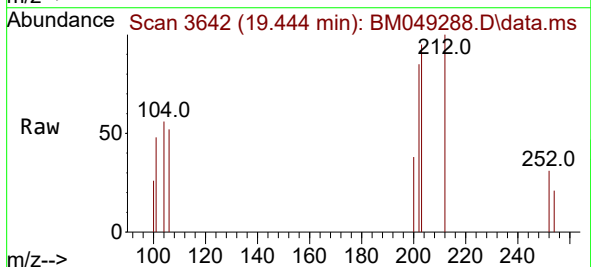
Instrument :
BNA_M
ClientSampleId :
E2926

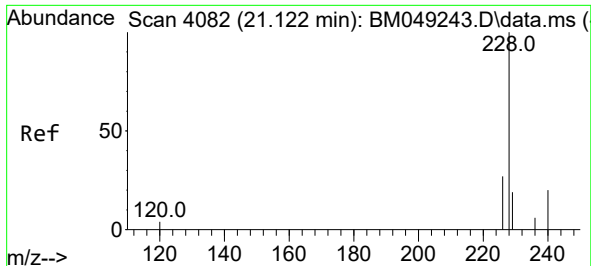
Tgt Ion:202 Resp: 262
Ion Ratio Lower Upper
202 100
101 72.5 7.6 11.4#
100 41.6 5.5 8.3#



#20
Pyrene
Concen: 2.694 ng/ul
RT: 19.444 min Scan# 3642
Delta R.T. 0.080 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

Tgt Ion:202 Resp: 374
Ion Ratio Lower Upper
202 100
101 55.9 8.9 13.3#
100 31.0 6.9 10.3#

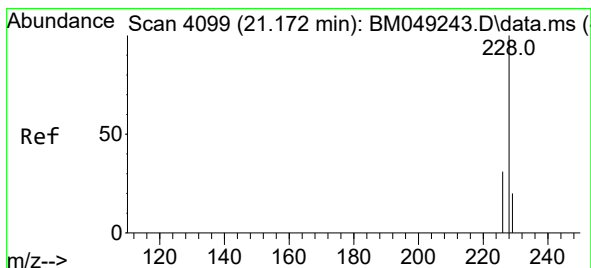
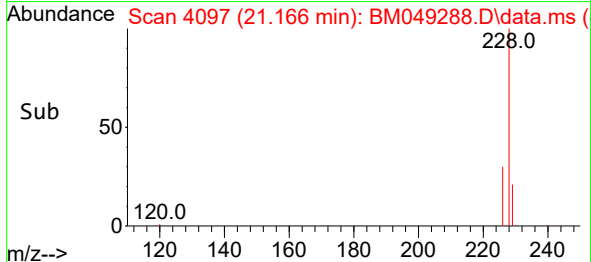
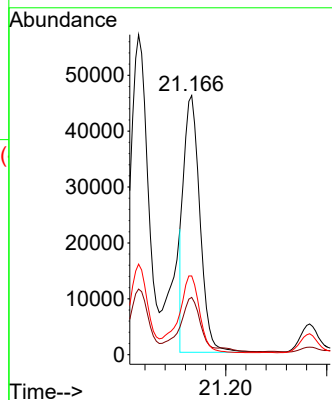
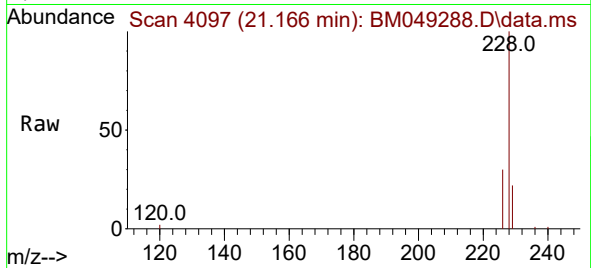




#21
Benzo(a)anthracene
Concen: 406.060 ng/ul
RT: 21.166 min Scan# 4082
Delta R.T. 0.046 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

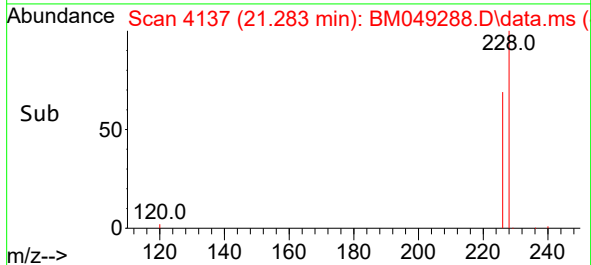
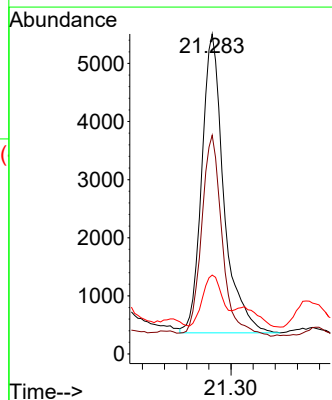
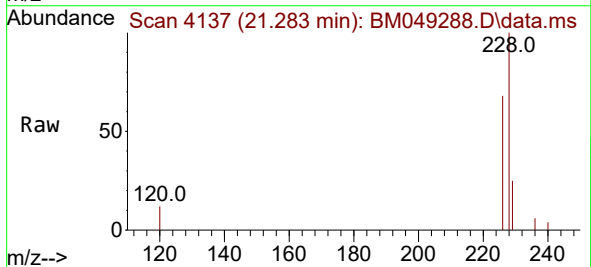
Instrument :
BNA_M
ClientSampleId :
E2926

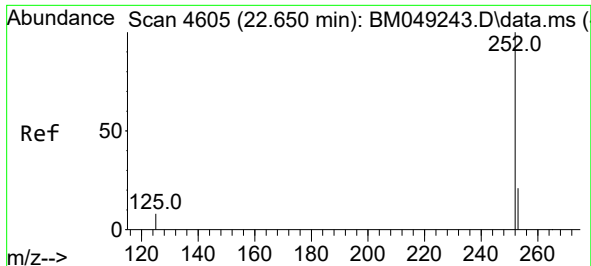
Tgt Ion:228 Resp: 50849
Ion Ratio Lower Upper
228 100
229 22.1 15.9 23.9
226 30.4 22.6 34.0



#22
Chrysene
Concen: 52.913 ng/ul
RT: 21.283 min Scan# 4137
Delta R.T. 0.111 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

Tgt Ion:228 Resp: 7111
Ion Ratio Lower Upper
228 100
226 68.3 24.1 36.1#
229 24.6 15.8 23.8#

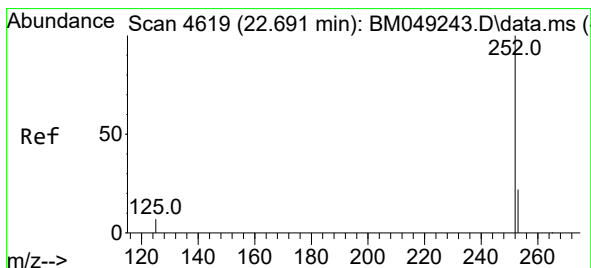
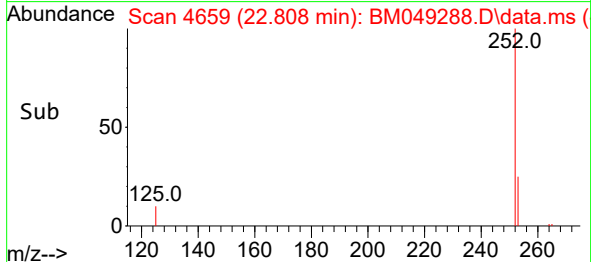
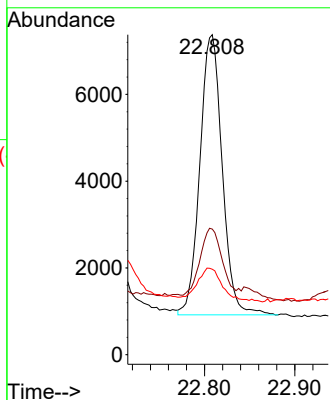
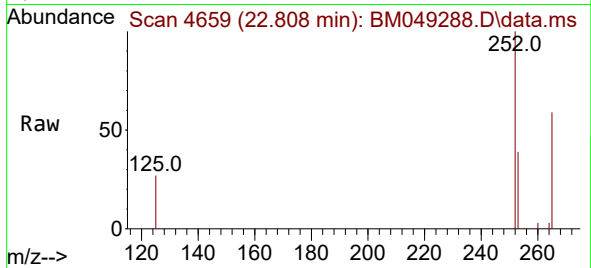




#24
Benzo(b)fluoranthene
Concen: 15.247 ng/ul
RT: 22.808 min Scan# 4659
Delta R.T. 0.160 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

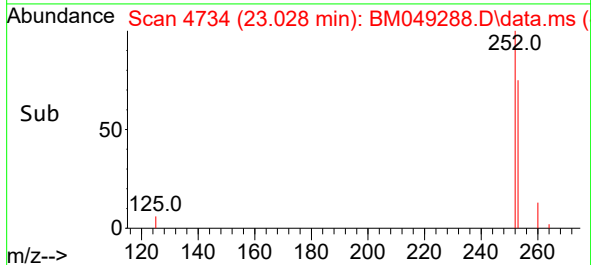
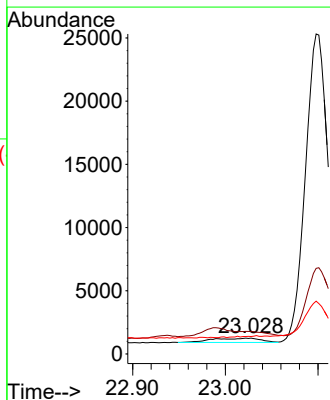
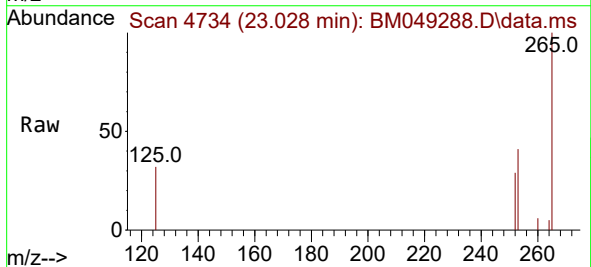
Instrument :
BNA_M
ClientSampleId :
E2926

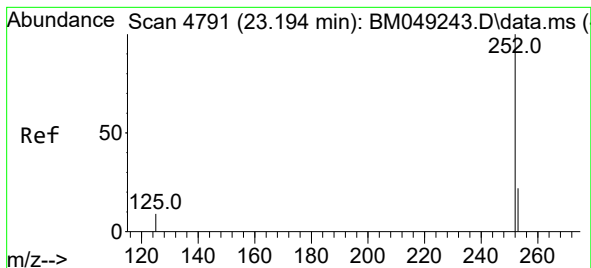
Tgt Ion:252 Resp: 11106
Ion Ratio Lower Upper
252 100
253 39.3 0.0 52.6
125 26.7 0.0 30.8



#25
Benzo(k)fluoranthene
Concen: 1.550 ng/ul
RT: 23.028 min Scan# 4734
Delta R.T. 0.336 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

Tgt Ion:252 Resp: 1239
Ion Ratio Lower Upper
252 100
253 141.1 21.3 31.9#
125 109.6 12.6 18.8#





#26

Benzo(a)pyrene

Concen: 1.109 ng/ul

RT: 23.455 min Scan# 41

Delta R.T. 0.263 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

Instrument :

BNA_M

ClientSampleId :

E2926

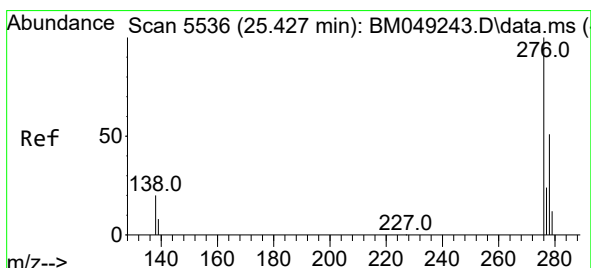
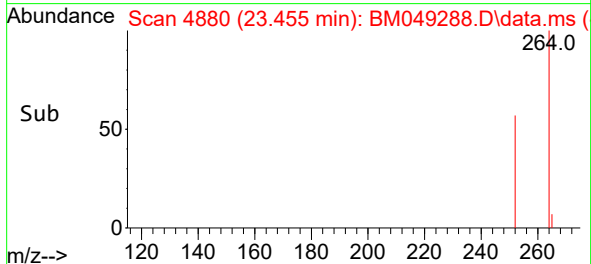
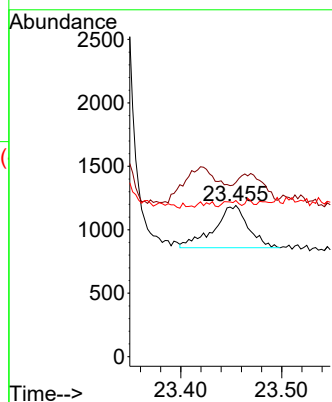
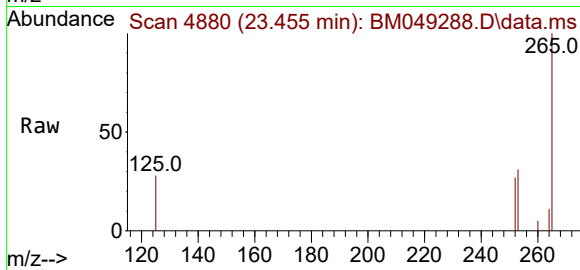
Tgt Ion:252 Resp: 775

Ion Ratio Lower Upper

252 100

253 115.3 22.4 33.6#

125 103.4 14.8 22.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.110 ng/ul

RT: 25.665 min Scan# 5607

Delta R.T. 0.248 min

Lab File: BM049288.D

Acq: 28 Dec 2024 12:08

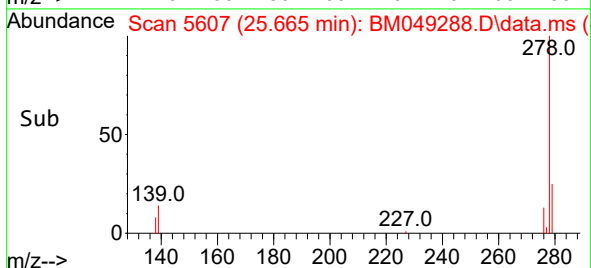
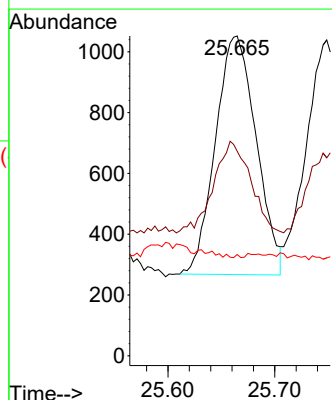
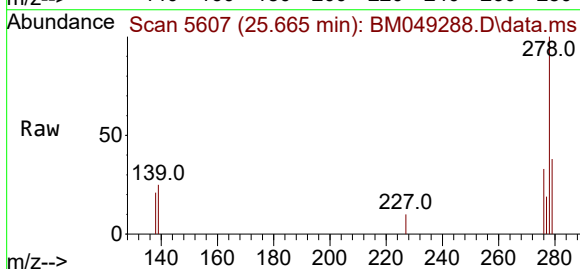
Tgt Ion:276 Resp: 2086

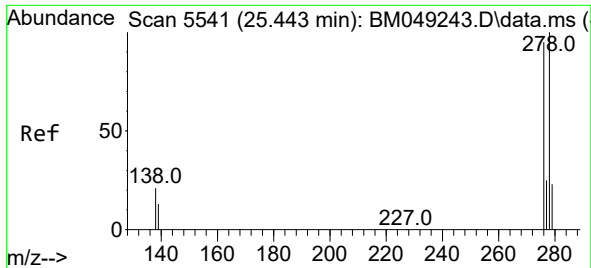
Ion Ratio Lower Upper

276 100

138 37.3 17.4 26.2#

227 0.9 0.2 0.2#

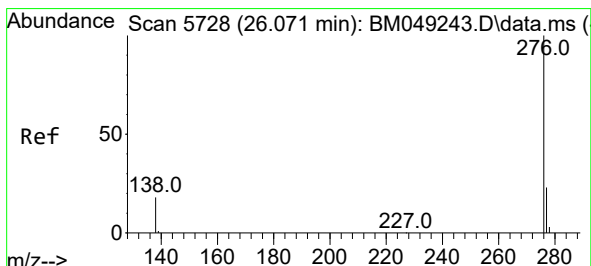
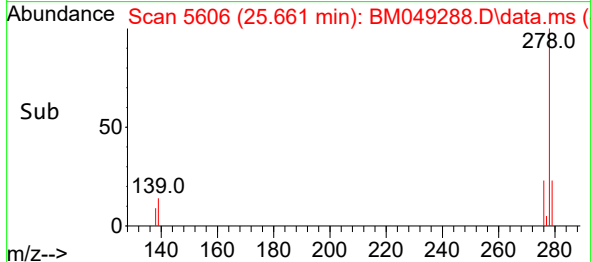
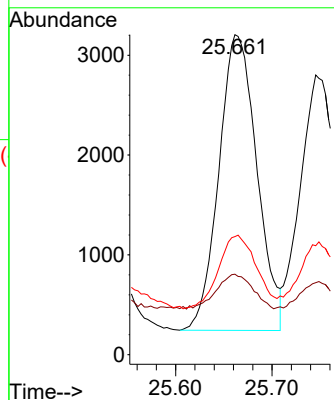
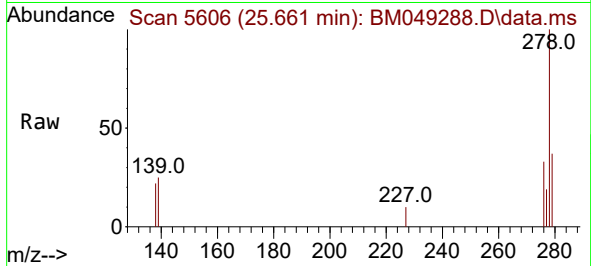




#28
Dibenzo(a,h)anthracene
Concen: 10.574 ng/ul
RT: 25.661 min Scan# 51
Delta R.T. 0.224 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

Instrument :
BNA_M
ClientSampleId :
E2926

Tgt Ion:278 Resp: 8122
Ion Ratio Lower Upper
278 100
139 25.2 13.5 20.3#
279 36.9 21.5 32.3#



#29
Benzo(g,h,i)perylene
Concen: 12.812 ng/ul
RT: 26.403 min Scan# 5827
Delta R.T. 0.335 min
Lab File: BM049288.D
Acq: 28 Dec 2024 12:08

Tgt Ion:276 Resp: 10186
Ion Ratio Lower Upper
276 100
138 27.2 16.7 25.1#
277 35.2 19.9 29.9#

