

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122724\
 Data File : BM049283.D
 Acq On : 28 Dec 2024 09:09
 Operator : RC/JU
 Sample : P5351-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2922

Quant Time: Dec 29 21:56:03 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

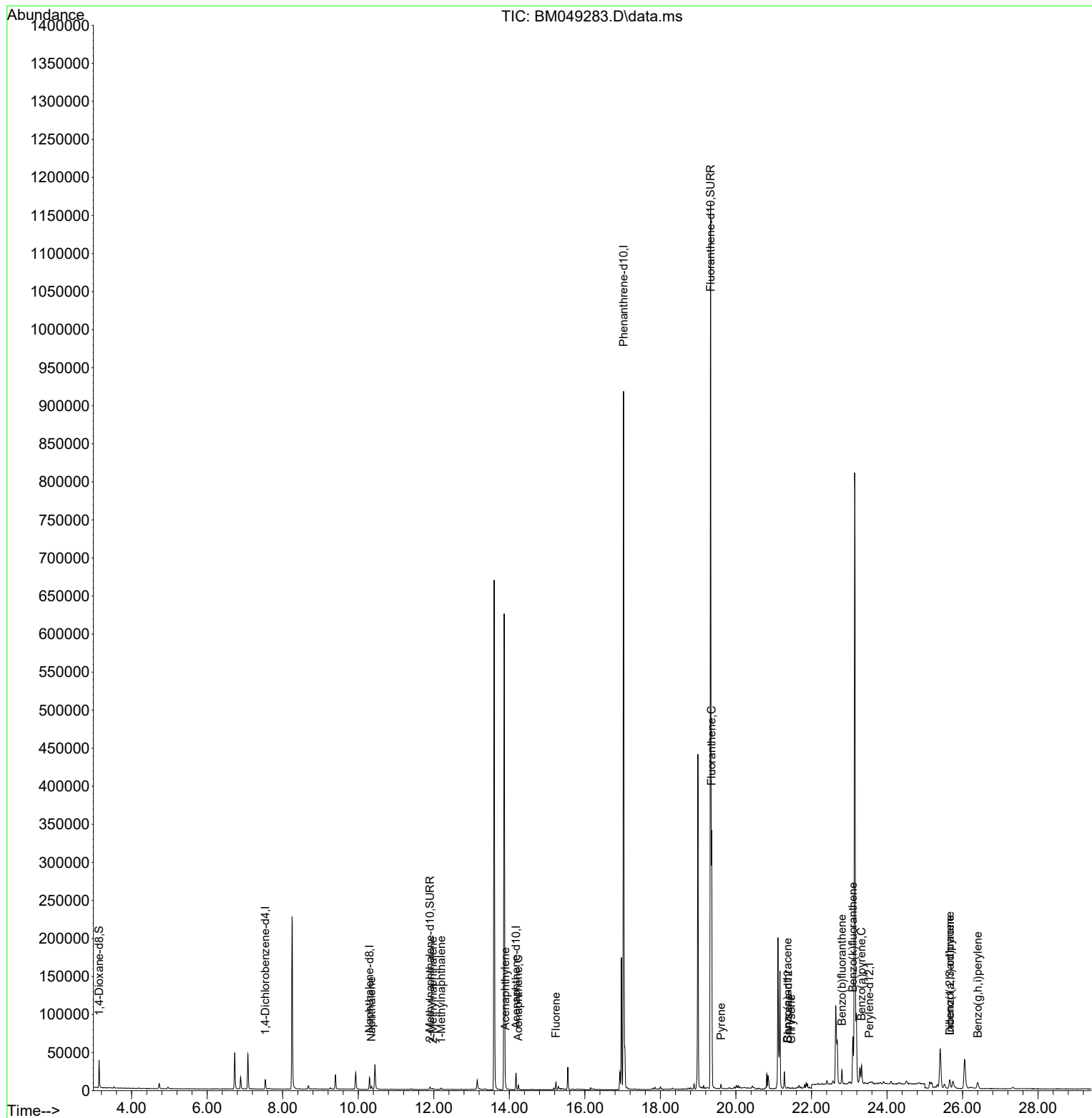
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.539	152	6208	0.400	ng/ul	0.00
4) Naphthalene-d8	10.298	136	20035	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.178	164	12034	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.023	188	1058787	0.400	ng/ul	0.09
17) Chrysene-d12	21.379	240	103	0.400	ng/ul	# 0.24
23) Perylene-d12	23.533	264	1824	0.400	ng/ul	# 0.25
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.138	96	20071	2.803	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.899	152	5529	0.205	ng/ul	0.00
18) Fluoranthene-d10	19.327	212	1187707	4064.175	ng/ul	0.36
Target Compounds						
					Qvalue	
5) Naphthalene	10.348	128	2346	0.047	ng/ul#	86
7) 2-Methylnaphthalene	11.976	142	1429	0.045	ng/ul	98
8) 1-Methylnaphthalene	12.196	142	1465	0.045	ng/ul	96
10) Acenaphthylene	13.891	152	2811	0.056	ng/ul#	87
11) Acenaphthene	14.238	153	3582	0.098	ng/ul	98
12) Fluorene	15.233	166	6002	0.146	ng/ul	97
19) Fluoranthene	19.355	202	281455	755.767	ng/ul#	97
20) Pyrene	19.602	202	1506	3.792	ng/ul#	72
21) Benzo(a)anthracene	21.368	228	728	2.032	ng/ul#	1
22) Chrysene	21.461	228	54	0.140	ng/ul#	1
24) Benzo(b)fluoranthene	22.805	252	22379	3.840	ng/ul	88
25) Benzo(k)fluoranthene	23.098	252	53968	8.440	ng/ul	96
26) Benzo(a)pyrene	23.326	252	30225	5.409	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.661	276	4336	0.548	ng/ul#	58
28) Dibenzo(a,h)anthracene	25.661	278	16444	2.676	ng/ul	91
29) Benzo(g,h,i)perylene	26.402	276	16638	2.616	ng/ul#	88

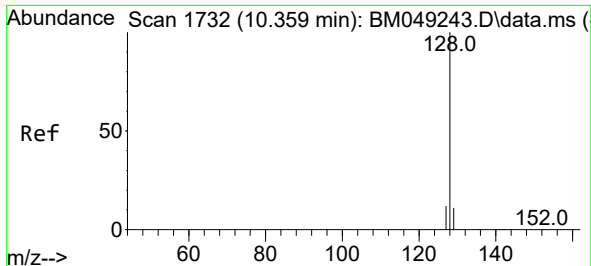
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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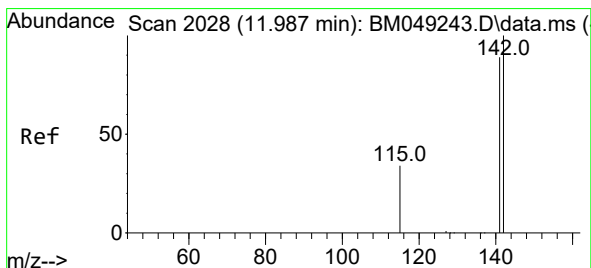
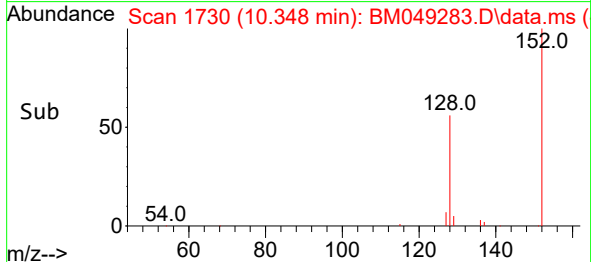
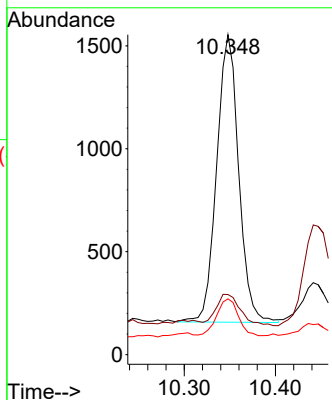
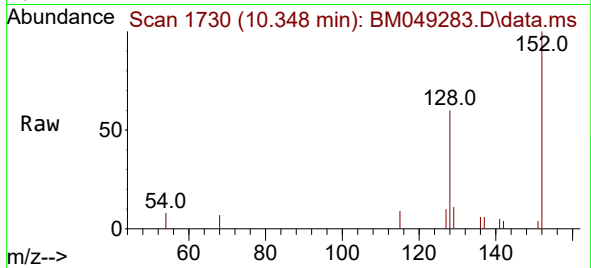




#5
Naphthalene
Concen: 0.047 ng/ul
RT: 10.348 min Scan# 11
Delta R.T. -0.010 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

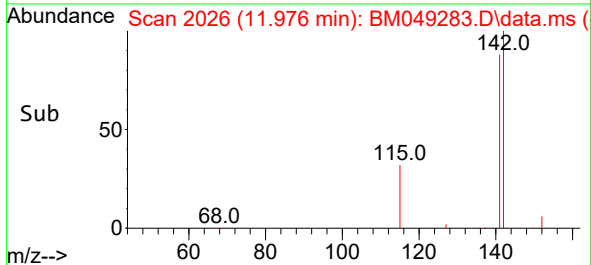
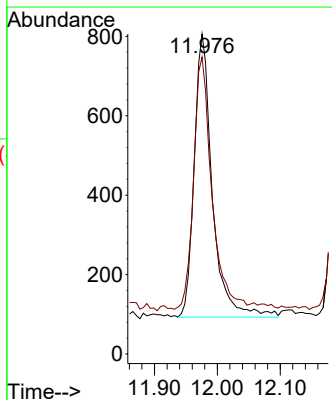
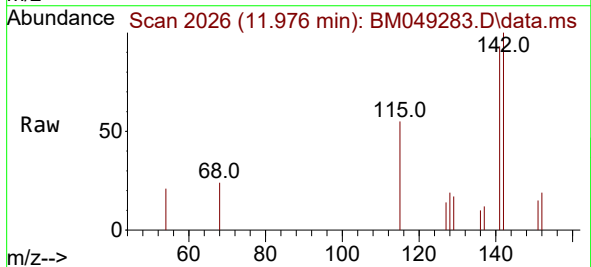
Instrument :
BNA_M
ClientSampleId :
E2922

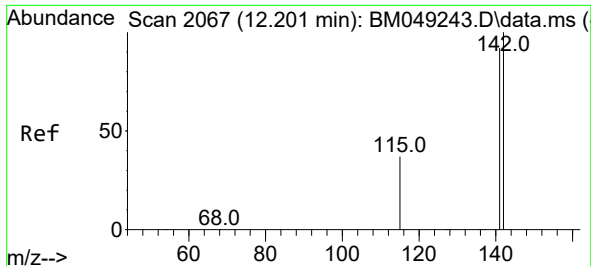
Tgt Ion:128 Resp: 2346
Ion Ratio Lower Upper
128 100
129 18.8 9.7 14.5#
127 17.4 10.6 16.0#



#7
2-Methylnaphthalene
Concen: 0.045 ng/ul
RT: 11.976 min Scan# 2026
Delta R.T. -0.004 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

Tgt Ion:142 Resp: 1429
Ion Ratio Lower Upper
142 100
141 91.0 71.7 107.5

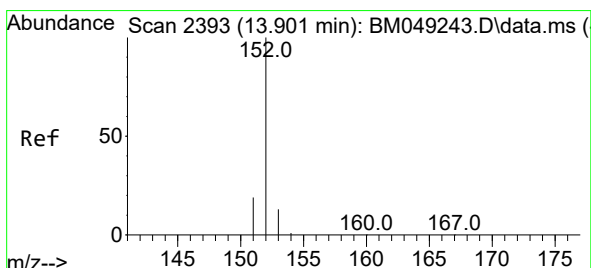
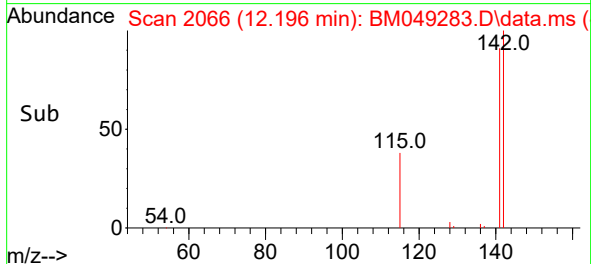
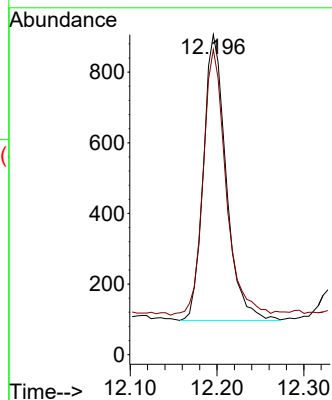
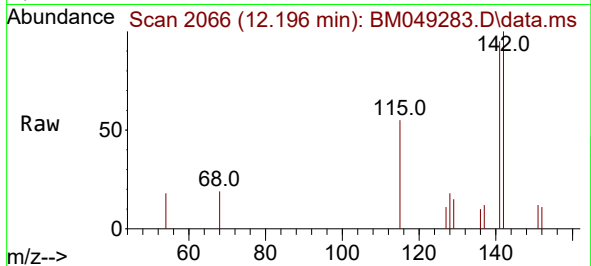




#8
1-Methylnaphthalene
Concen: 0.045 ng/ul
RT: 12.196 min Scan# 2066
Delta R.T. -0.010 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

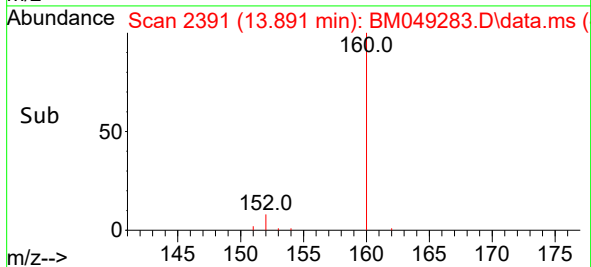
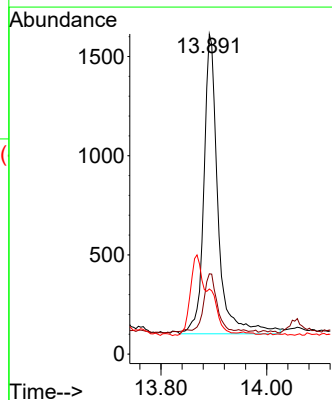
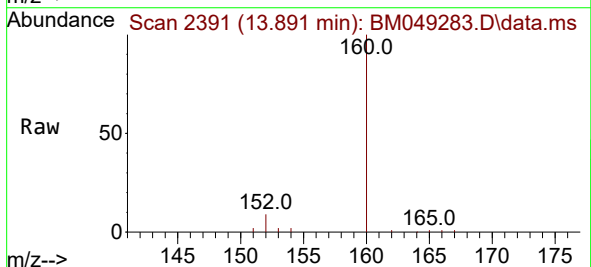
Instrument :
BNA_M
ClientSampleId :
E2922

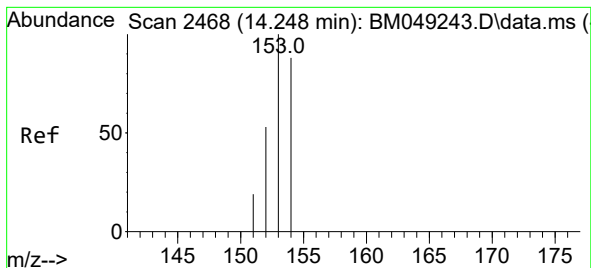
Tgt Ion:142 Resp: 1465
Ion Ratio Lower Upper
142 100
141 94.3 72.7 109.1



#10
Acenaphthylene
Concen: 0.056 ng/ul
RT: 13.891 min Scan# 2391
Delta R.T. -0.008 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

Tgt Ion:152 Resp: 2811
Ion Ratio Lower Upper
152 100
151 25.1 16.0 24.0#
153 20.3 11.0 16.6#





#11

Acenaphthene

Concen: 0.098 ng/ul

RT: 14.238 min Scan# 2466

Delta R.T. -0.008 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

Instrument :

BNA_M

ClientSampleId :

E2922

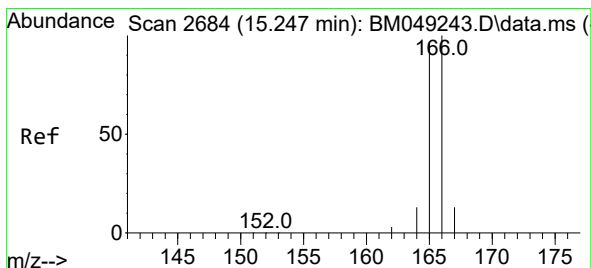
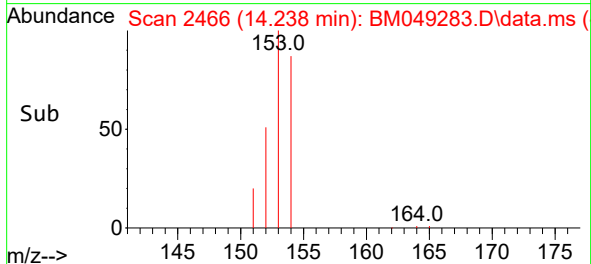
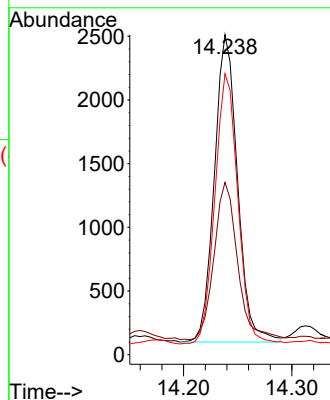
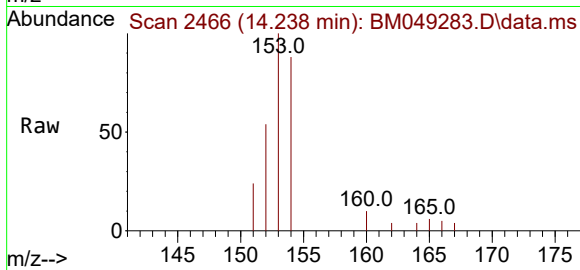
Tgt Ion:153 Resp: 3582

Ion Ratio Lower Upper

153 100

152 53.9 40.7 61.1

154 87.8 70.8 106.2



#12

Fluorene

Concen: 0.146 ng/ul

RT: 15.233 min Scan# 2681

Delta R.T. -0.008 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

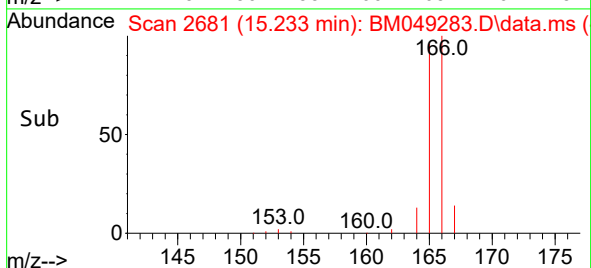
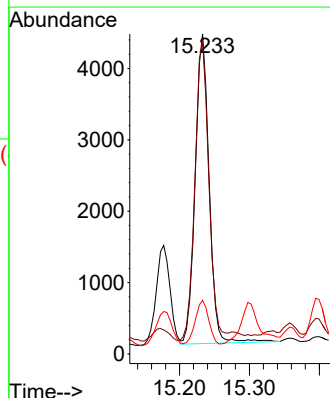
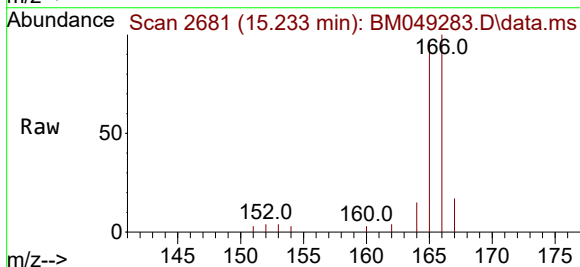
Tgt Ion:166 Resp: 6002

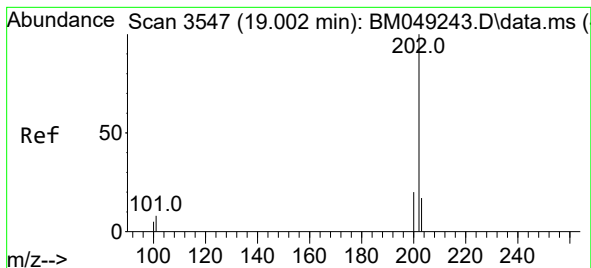
Ion Ratio Lower Upper

166 100

165 97.4 79.7 119.5

167 16.7 11.4 17.0





#19

Fluoranthene

Concen: 755.767 ng/ul

RT: 19.355 min Scan# 3

Delta R.T. 0.354 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

Instrument :

BNA_M

ClientSampleId :

E2922

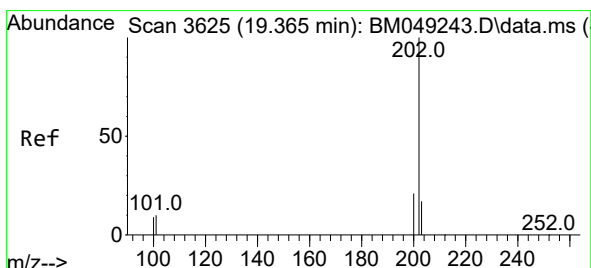
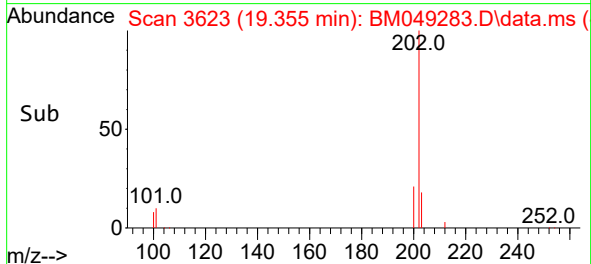
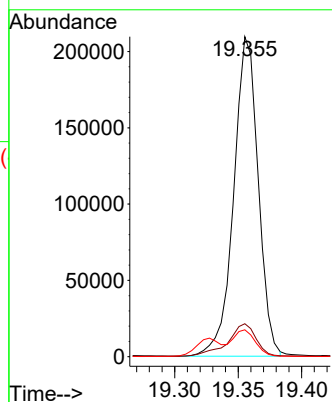
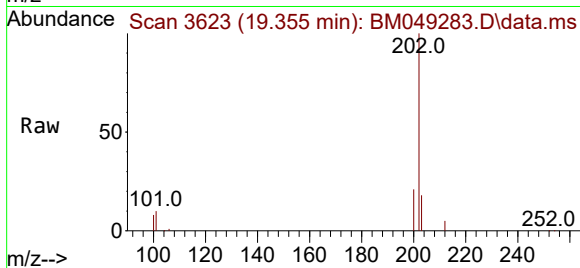
Tgt Ion:202 Resp: 281455

Ion Ratio Lower Upper

202 100

101 10.3 7.6 11.4

100 8.4 5.5 8.3#



#20

Pyrene

Concen: 3.792 ng/ul

RT: 19.602 min Scan# 3676

Delta R.T. 0.238 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

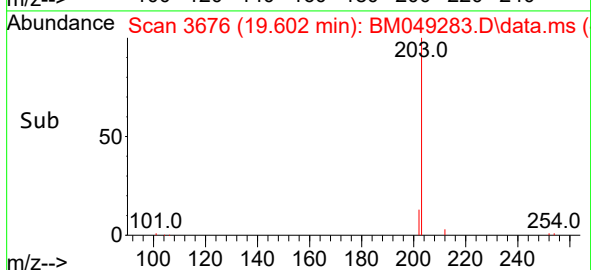
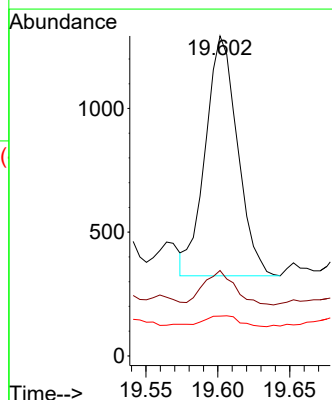
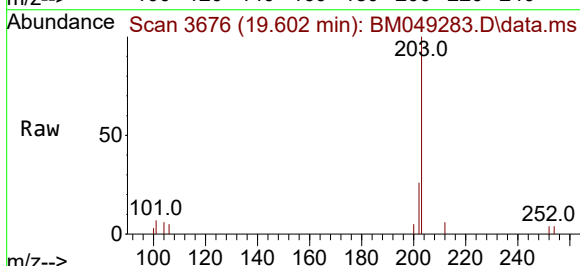
Tgt Ion:202 Resp: 1506

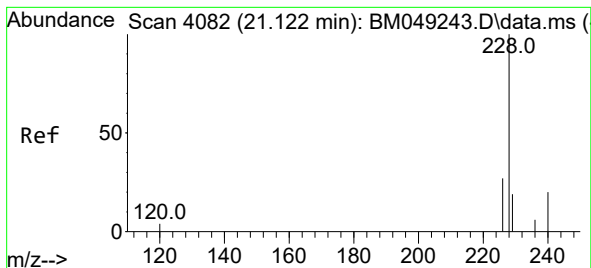
Ion Ratio Lower Upper

202 100

101 26.7 8.9 13.3#

100 12.5 6.9 10.3#





#21

Benzo(a)anthracene

Concen: 2.032 ng/ul

RT: 21.368 min Scan# 4166

Delta R.T. 0.248 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

Instrument :

BNA_M

ClientSampleId :

E2922

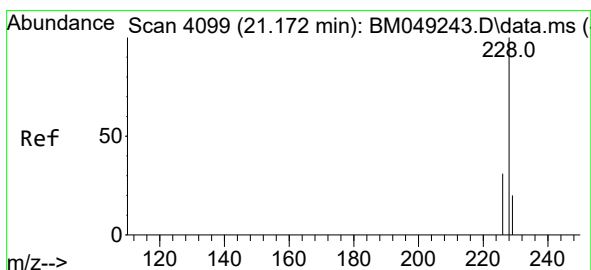
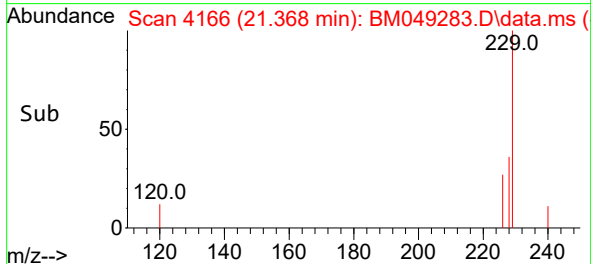
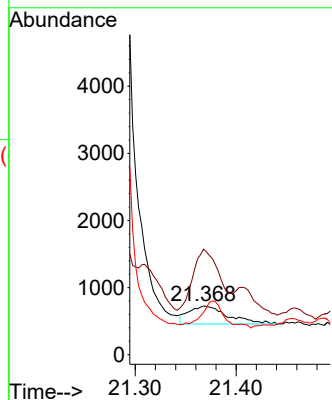
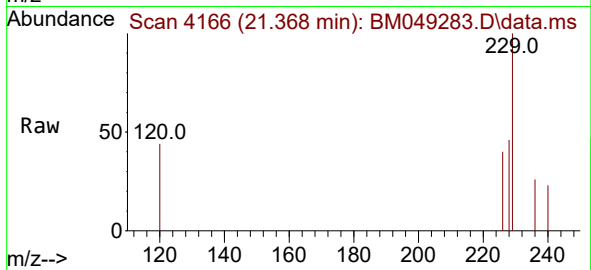
Tgt Ion:228 Resp: 728

Ion Ratio Lower Upper

228 100

229 217.1 15.9 23.9#

226 86.3 22.6 34.0#



#22

Chrysene

Concen: 0.140 ng/ul

RT: 21.461 min Scan# 4198

Delta R.T. 0.289 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

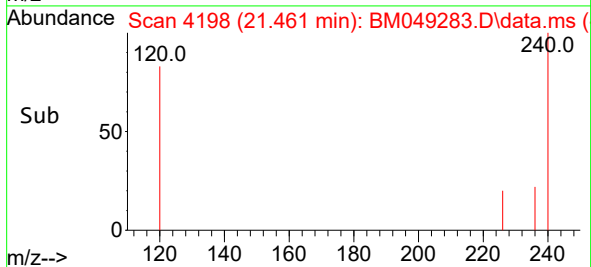
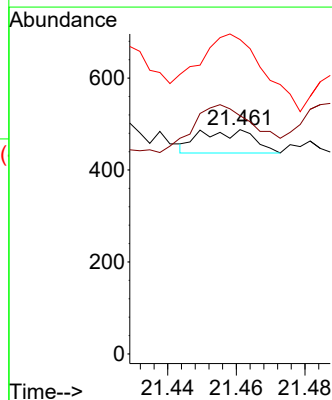
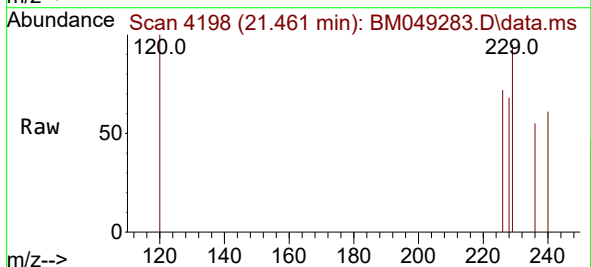
Tgt Ion:228 Resp: 54

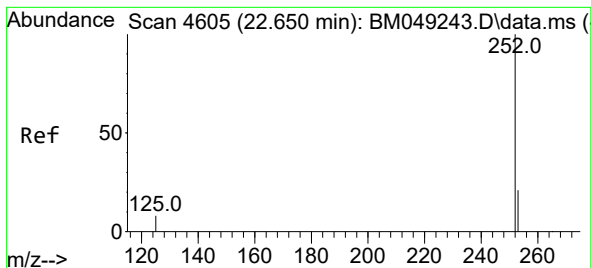
Ion Ratio Lower Upper

228 100

226 106.1 24.1 36.1#

229 140.2 15.8 23.8#





#24

Benzo(b)fluoranthene

Concen: 3.840 ng/ul

RT: 22.805 min Scan# 4

Delta R.T. 0.157 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

Instrument :

BNA_M

ClientSampleId :

E2922

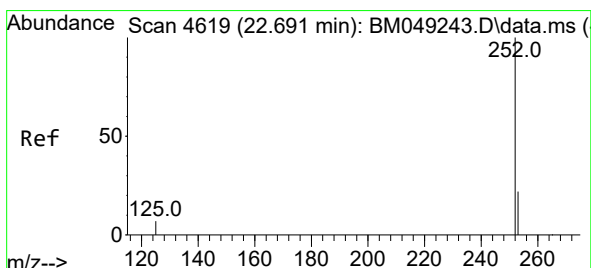
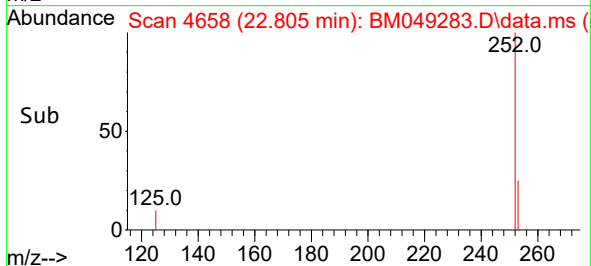
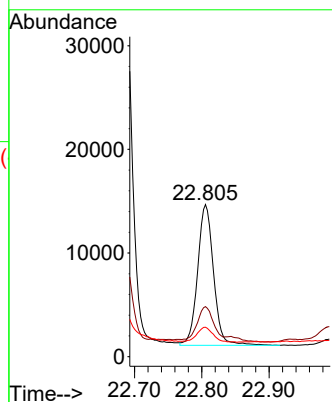
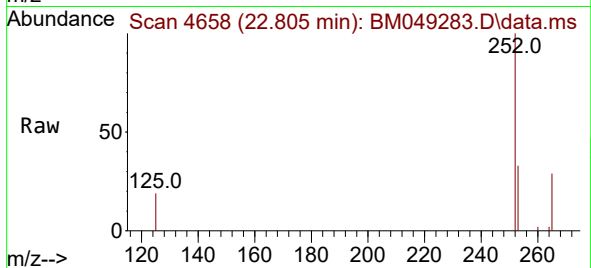
Tgt Ion:252 Resp: 22379

Ion Ratio Lower Upper

252 100

253 32.9 0.0 52.6

125 19.4 0.0 30.8



#25

Benzo(k)fluoranthene

Concen: 8.440 ng/ul

RT: 23.098 min Scan# 4758

Delta R.T. 0.406 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

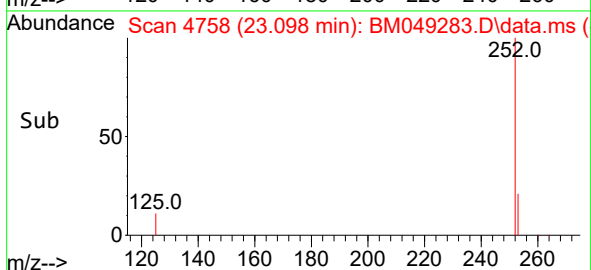
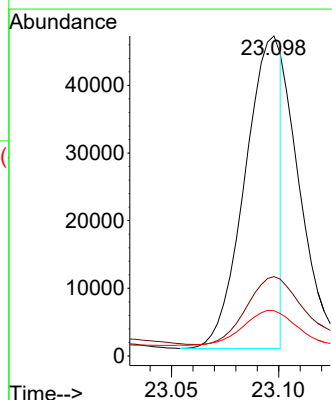
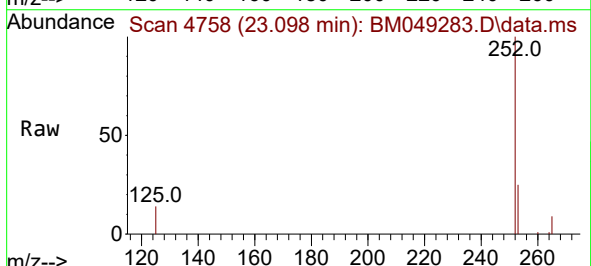
Tgt Ion:252 Resp: 53968

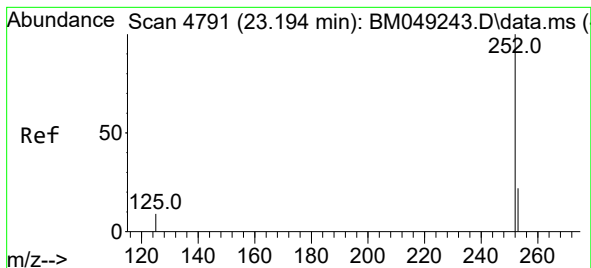
Ion Ratio Lower Upper

252 100

253 24.8 21.3 31.9

125 14.2 12.6 18.8





#26

Benzo(a)pyrene

Concen: 5.409 ng/ul

RT: 23.326 min Scan# 41

Delta R.T. 0.134 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

Instrument :

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ClientSampleId :

E2922

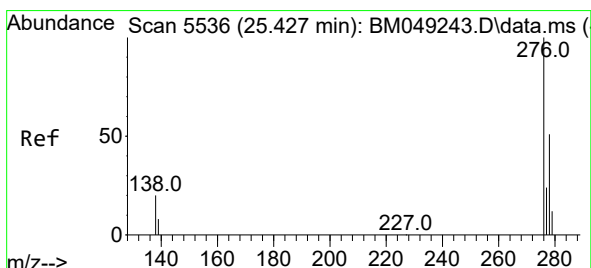
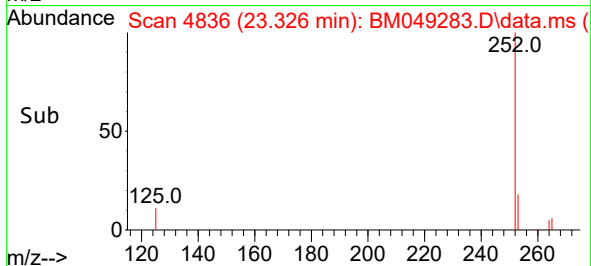
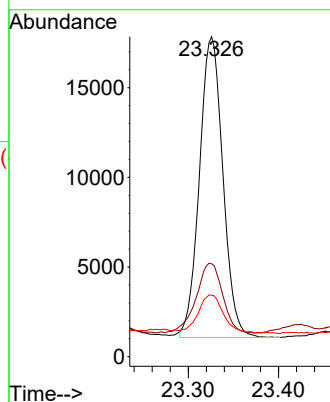
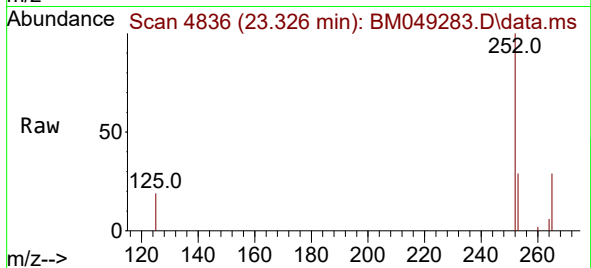
Tgt Ion:252 Resp: 30225

Ion Ratio Lower Upper

252 100

253 29.0 22.4 33.6

125 19.2 14.8 22.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.548 ng/ul

RT: 25.661 min Scan# 5606

Delta R.T. 0.244 min

Lab File: BM049283.D

Acq: 28 Dec 2024 09:09

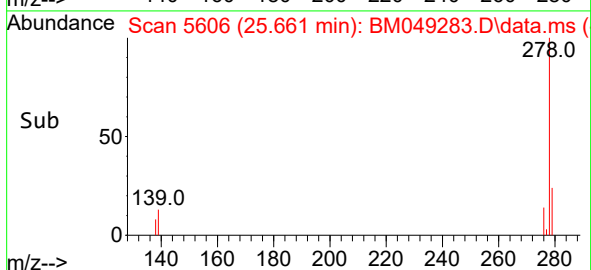
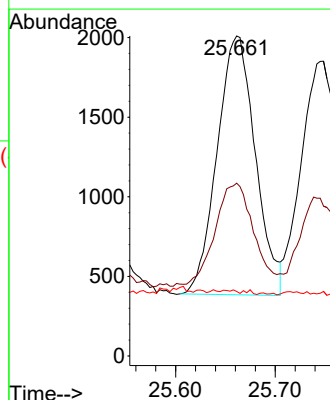
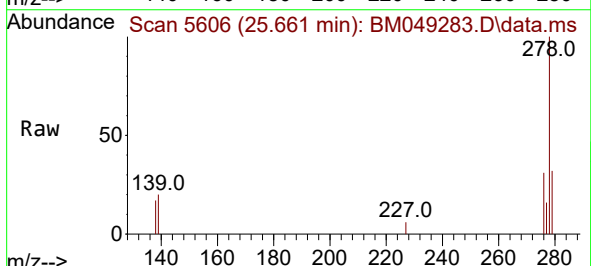
Tgt Ion:276 Resp: 4336

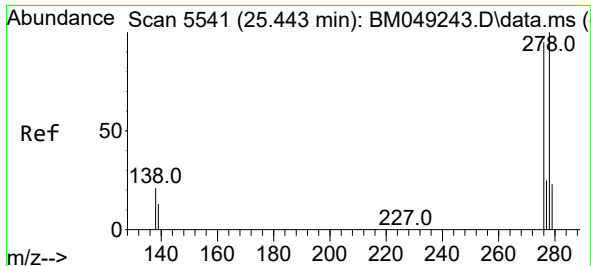
Ion Ratio Lower Upper

276 100

138 41.8 17.4 26.2#

227 0.0 0.2 0.2#

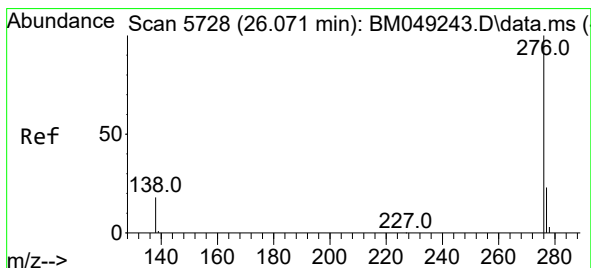
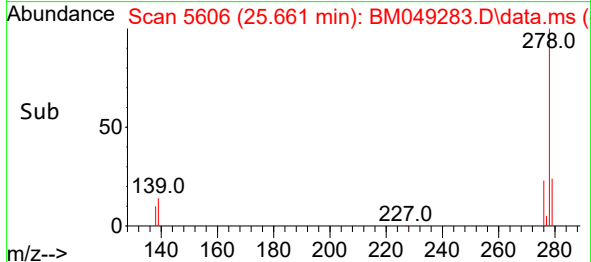
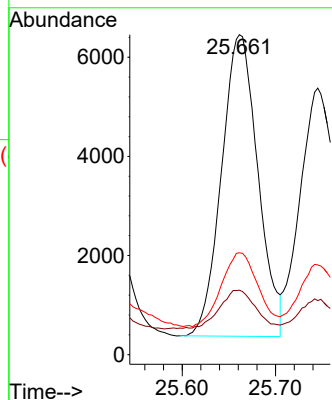
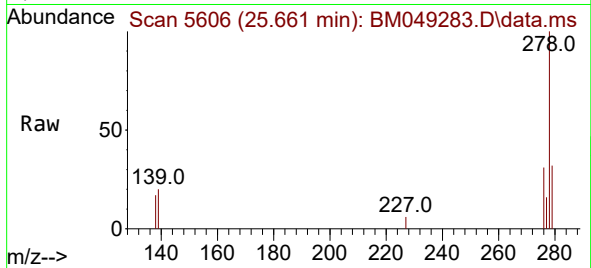




#28
Dibenzo(a,h)anthracene
Concen: 2.676 ng/ul
RT: 25.661 min Scan# 51
Delta R.T. 0.224 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

Instrument :
BNA_M
ClientSampleId :
E2922

Tgt Ion:278 Resp: 16444
Ion Ratio Lower Upper
278 100
139 20.1 13.5 20.3
279 31.9 21.5 32.3



#29
Benzo(g,h,i)perylene
Concen: 2.616 ng/ul
RT: 26.402 min Scan# 5827
Delta R.T. 0.335 min
Lab File: BM049283.D
Acq: 28 Dec 2024 09:09

Tgt Ion:276 Resp: 16638
Ion Ratio Lower Upper
276 100
138 24.3 16.7 25.1
277 33.1 19.9 29.9#

