

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121123\
 Data File : BM043299.D
 Acq On : 13 Dec 2023 13:49
 Operator : MA/JU
 Sample : 05673-02MS
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BHEH8MS

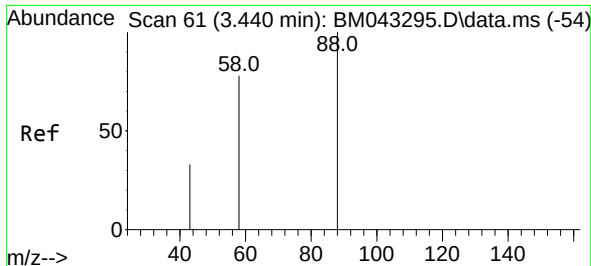
Quant Time: Dec 13 14:38:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 16:25:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.005	152	6328	0.400	ng/ul	0.00
4) Naphthalene-d8	10.807	136	20904	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.624	164	10806	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.362	188	22118	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.533	240	14011	0.400	ng/ul	# 0.00
23) Perylene-d12	23.953	264	14768	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.406	96	2016	0.252	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.390	152	9188	0.310	ng/ul	0.00
18) Fluoranthene-d10	19.385	212	21867	0.437	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.435	88	6371	0.795	ng/ul#	85
5) Naphthalene	10.856	128	25001	0.398	ng/ul	100
7) 2-Methylnaphthalene	12.462	142	13464	0.332	ng/ul	100
8) 1-Methylnaphthalene	12.682	142	12722	0.313	ng/ul	100
10) Acenaphthylene	14.347	152	21765	0.366	ng/ul	99
11) Acenaphthene	14.685	153	15922	0.368	ng/ul	98
12) Fluorene	15.670	166	18964	0.387	ng/ul	99
14) Pentachlorophenol	17.008	266	5590	1.141	ng/ul	98
15) Phenanthrene	17.405	178	33095	0.449	ng/ul	99
16) Anthracene	17.498	178	29967	0.447	ng/ul	100
19) Fluoranthene	19.413	202	34709	0.439	ng/ul#	91
20) Pyrene	19.775	202	36262	0.462	ng/ul	94
21) Benzo(a)anthracene	21.518	228	29405	0.478	ng/ul	99
22) Chrysene	21.574	228	30005	0.462	ng/ul	99
24) Benzo(b)fluoranthene	23.214	252	29853	0.445	ng/ul	96
25) Benzo(k)fluoranthene	23.263	252	30967	0.445	ng/ul#	94
26) Benzo(a)pyrene	23.845	252	25727	0.465	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.468	276	31951	0.507	ng/ul#	44
28) Dibenzo(a,h)anthracene	26.495	278	25603	0.513	ng/ul	96
29) Benzo(g,h,i)perylene	27.239	276	27152	0.505	ng/ul	97

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

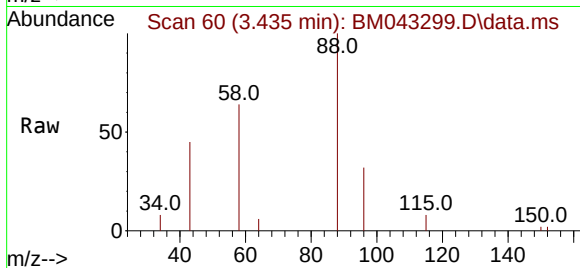
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM121123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 16:25:39 2023
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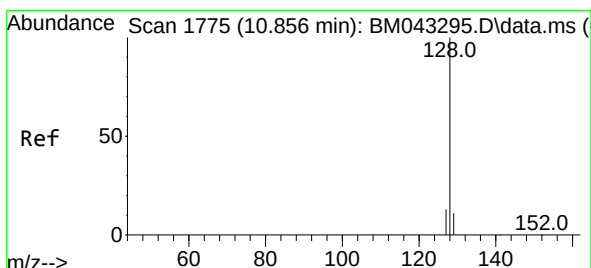
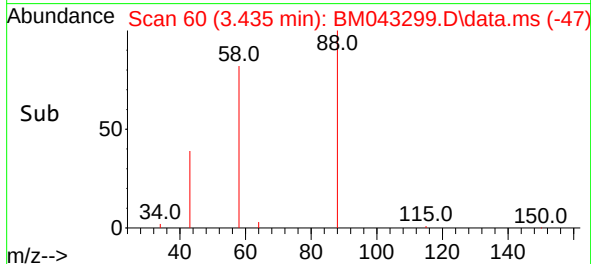
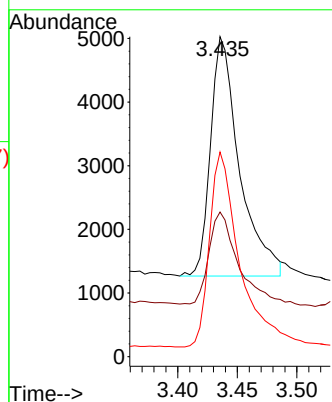


#2
1,4-Dioxane
Concen: 0.795 ng/ul
RT: 3.435 min Scan# 60
Delta R.T. -0.004 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Instrument :
BNA_M
ClientSampleId :
BHEH8MS

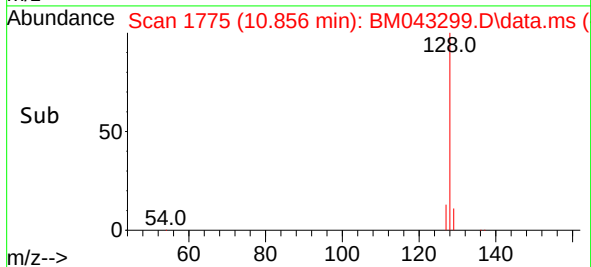
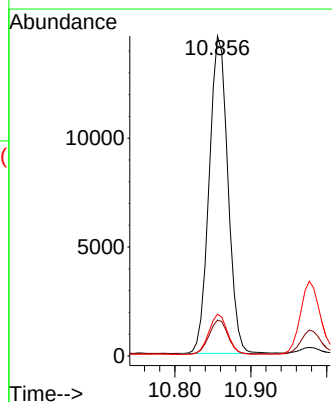
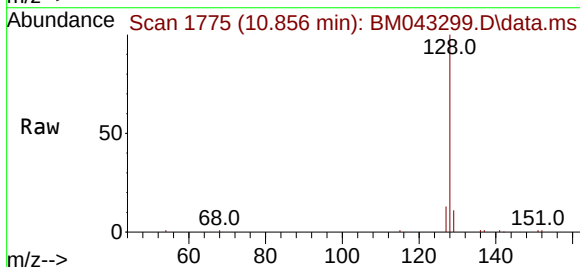


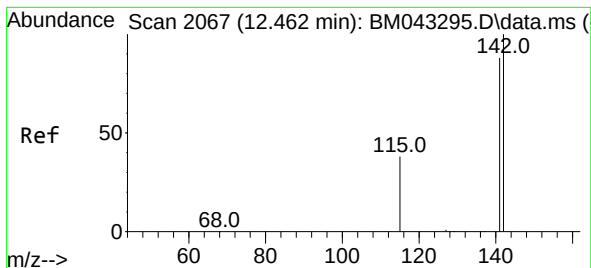
Tgt Ion: 88 Resp: 6371
Ion Ratio Lower Upper
88 100
43 45.2 27.9 41.9#
58 63.9 43.4 65.2



#5
Naphthalene
Concen: 0.398 ng/ul
RT: 10.856 min Scan# 1775
Delta R.T. -0.011 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion: 128 Resp: 25001
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.1 10.3 15.5

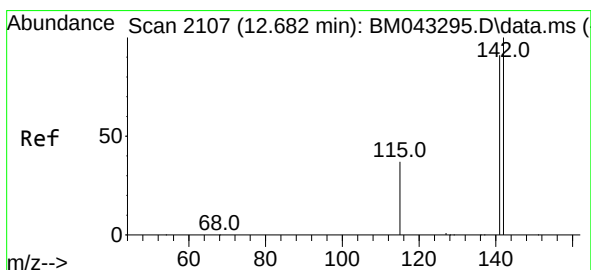
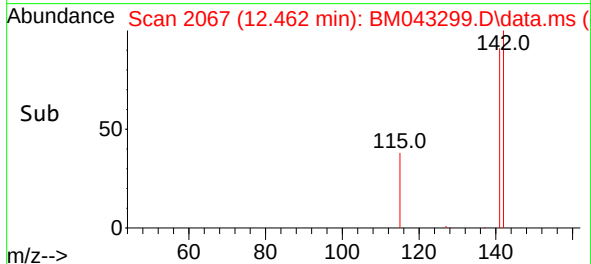
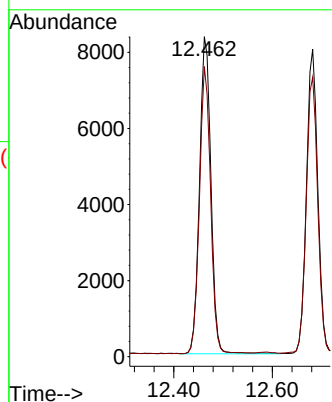
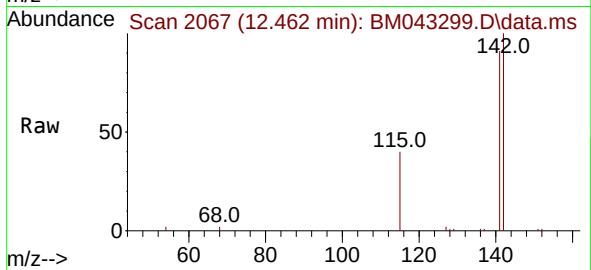




#7
2-Methylnaphthalene
Concen: 0.332 ng/ul
RT: 12.462 min Scan# 2067
Delta R.T. -0.011 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

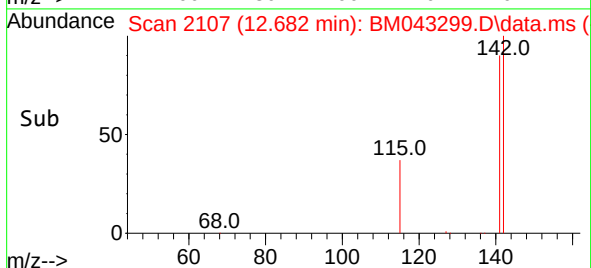
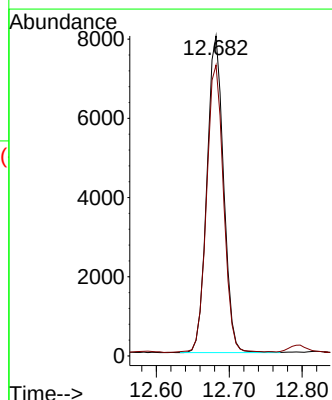
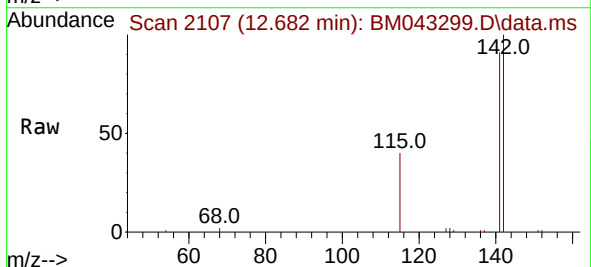
Instrument :
BNA_M
ClientSampleId :
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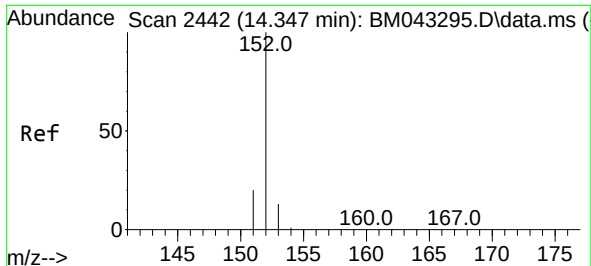
Tgt Ion:142 Resp: 13464
Ion Ratio Lower Upper
142 100
141 88.4 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.313 ng/ul
RT: 12.682 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:142 Resp: 12722
Ion Ratio Lower Upper
142 100
141 92.4 73.7 110.5

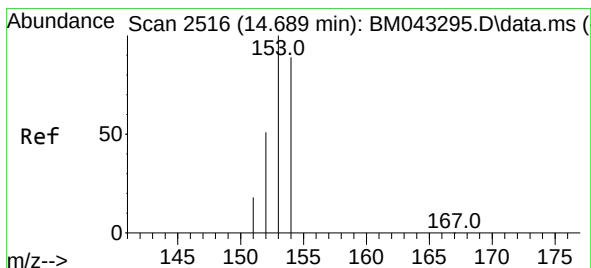
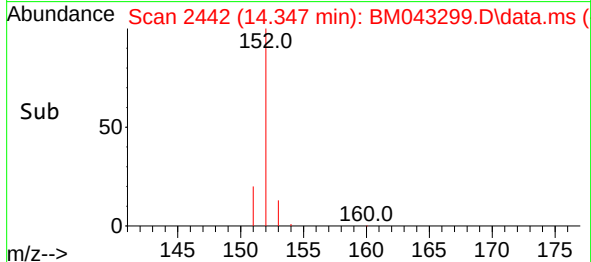
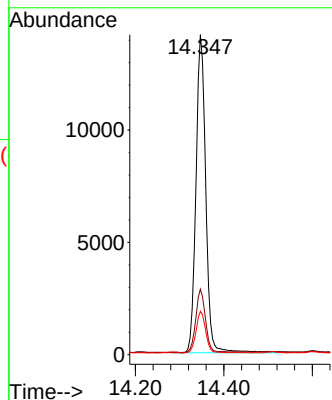
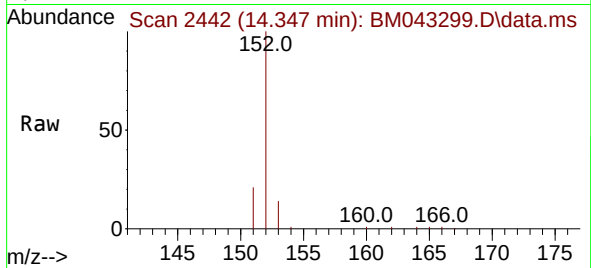




#10
Acenaphthylene
Concen: 0.366 ng/u1
RT: 14.347 min Scan# 2442
Delta R.T. -0.005 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

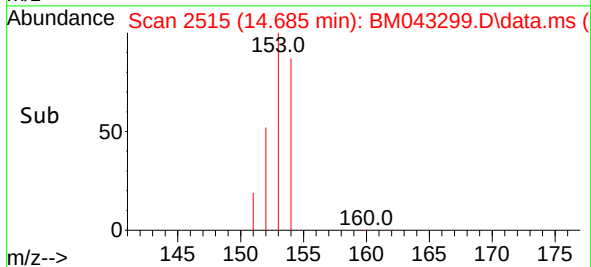
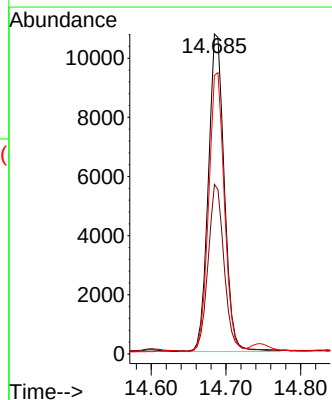
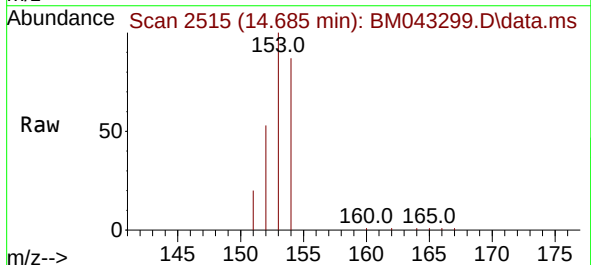
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BNA_M
ClientSampleId :
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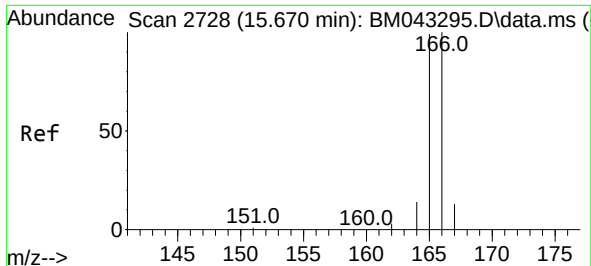
Tgt Ion:152 Resp: 21765
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.6 10.4 15.6



#11
Acenaphthene
Concen: 0.368 ng/u1
RT: 14.685 min Scan# 2515
Delta R.T. -0.009 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:153 Resp: 15922
Ion Ratio Lower Upper
153 100
152 53.0 42.1 63.1
154 87.1 71.3 106.9

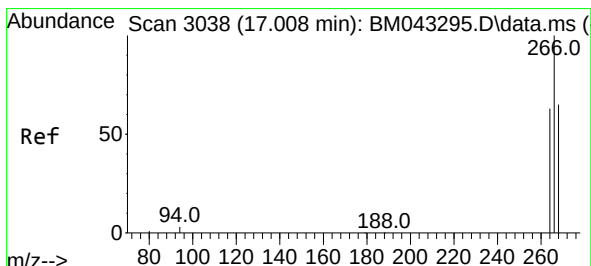
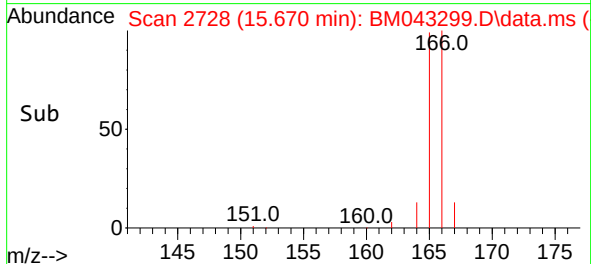
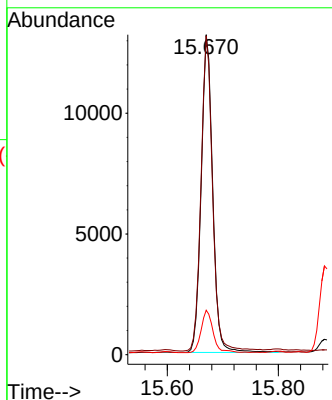
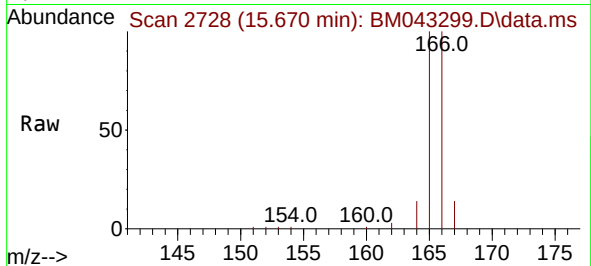




#12
 Fluorene
 Concen: 0.387 ng/ul
 RT: 15.670 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BM043299.D
 Acq: 13 Dec 2023 13:49

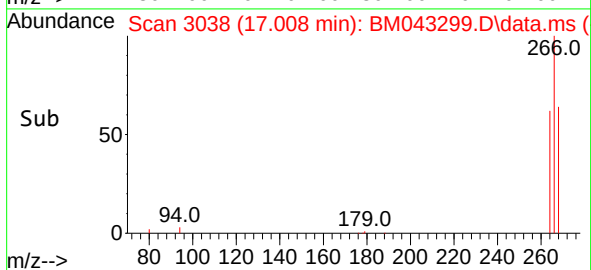
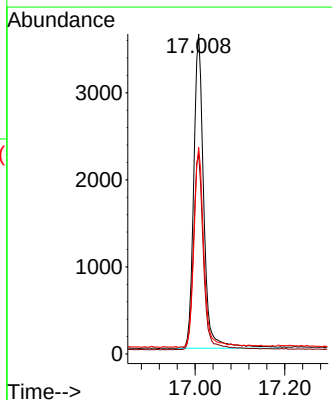
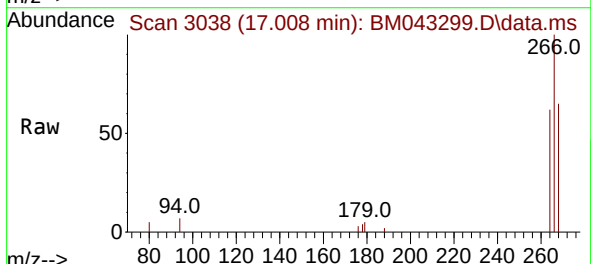
Instrument :
 BNA_M
 ClientSampleId :
 BHEH8MS

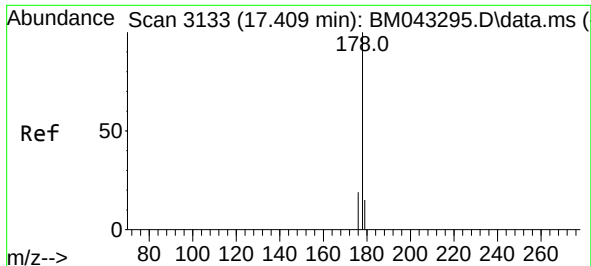
Tgt Ion:166 Resp: 18964
 Ion Ratio Lower Upper
 166 100
 165 99.6 80.3 120.5
 167 13.9 10.8 16.2



#14
 Pentachlorophenol
 Concen: 1.141 ng/ul
 RT: 17.008 min Scan# 3038
 Delta R.T. -0.004 min
 Lab File: BM043299.D
 Acq: 13 Dec 2023 13:49

Tgt Ion:266 Resp: 5590
 Ion Ratio Lower Upper
 266 100
 264 62.5 51.7 77.5
 268 63.2 51.9 77.9

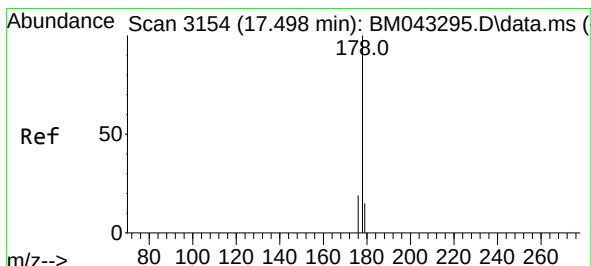
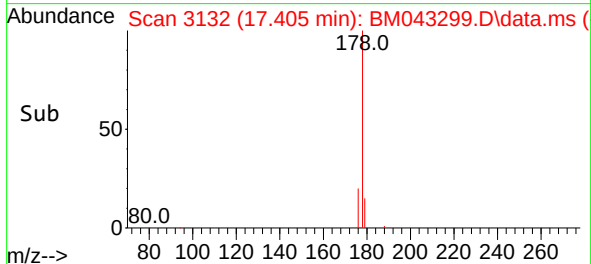
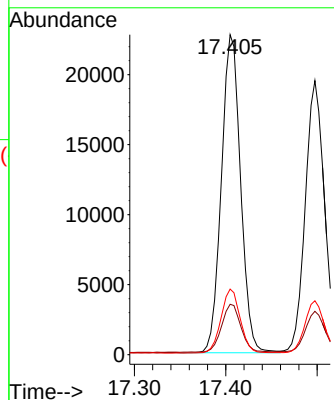
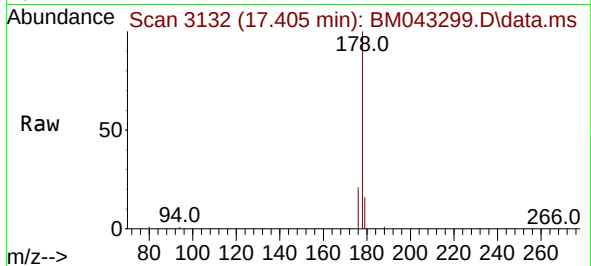




#15
Phenanthrene
Concen: 0.449 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.004 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

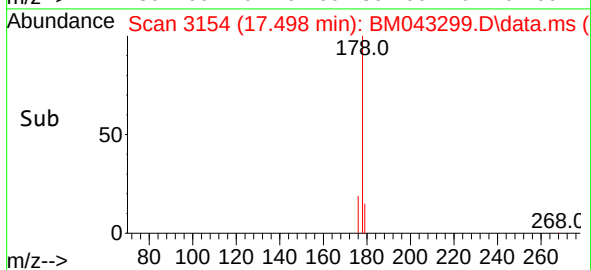
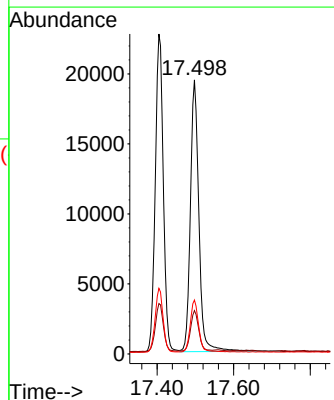
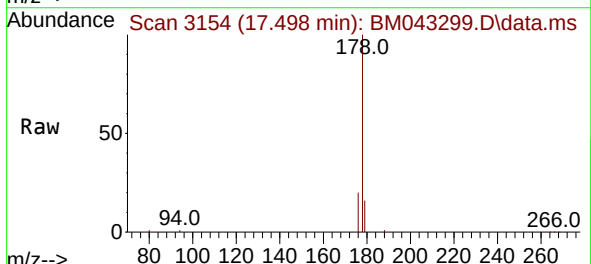
Instrument :
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ClientSampleId :
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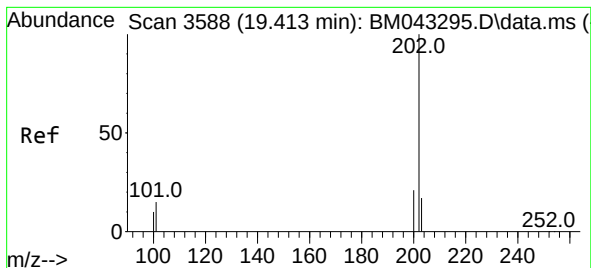
Tgt Ion:178 Resp: 33095
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 20.5 16.2 24.2



#16
Anthracene
Concen: 0.447 ng/ul
RT: 17.498 min Scan# 3154
Delta R.T. -0.004 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:178 Resp: 29967
Ion Ratio Lower Upper
178 100
179 15.8 12.6 18.8
176 19.7 15.6 23.4





#19

Fluoranthene

Concen: 0.439 ng/u1

RT: 19.413 min Scan# 3588

Delta R.T. -0.005 min

Lab File: BM043299.D

Acq: 13 Dec 2023 13:49

Instrument :

BNA_M

ClientSampleId :

BHEH8MS

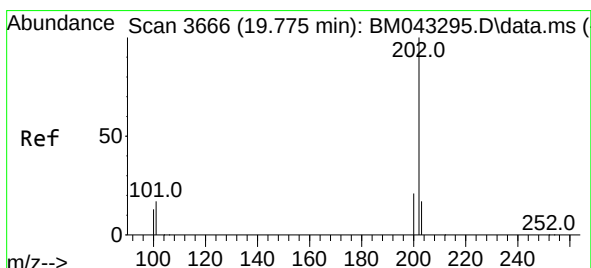
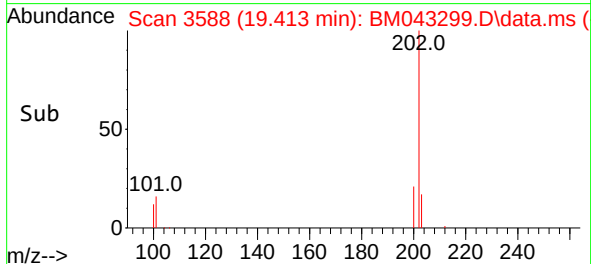
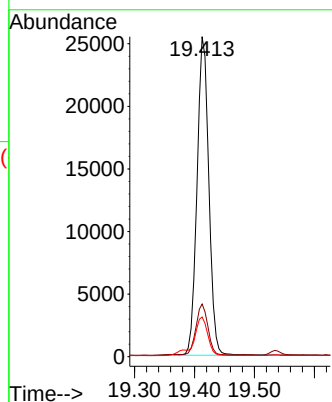
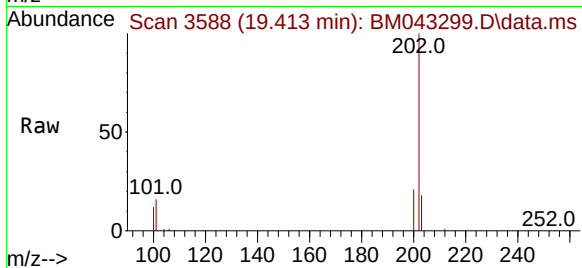
Tgt Ion:202 Resp: 34709

Ion Ratio Lower Upper

202 100

101 16.5 10.1 15.1#

100 12.4 7.4 11.2#



#20

Pyrene

Concen: 0.462 ng/u1

RT: 19.775 min Scan# 3666

Delta R.T. 0.000 min

Lab File: BM043299.D

Acq: 13 Dec 2023 13:49

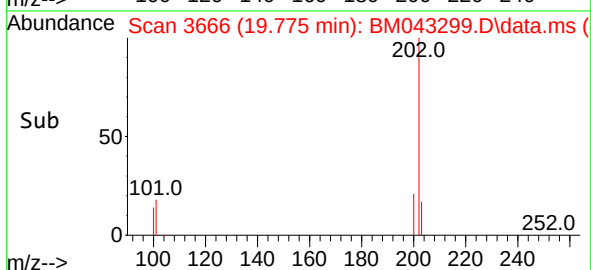
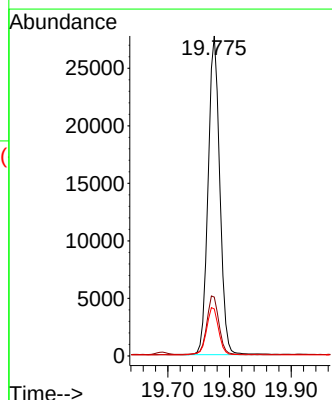
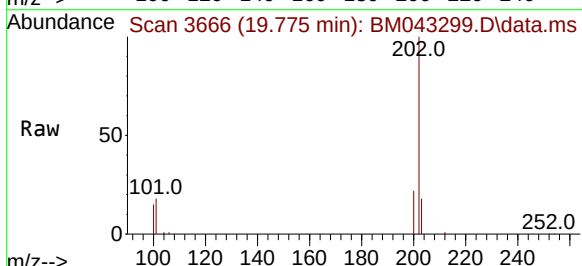
Tgt Ion:202 Resp: 36262

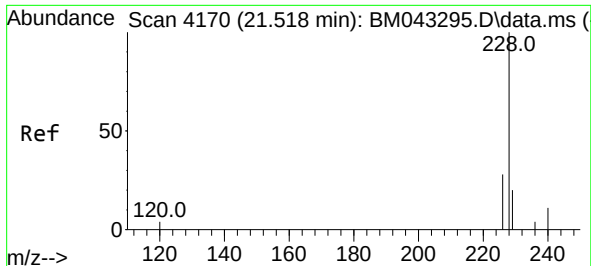
Ion Ratio Lower Upper

202 100

101 18.4 12.7 19.1

100 14.7 9.8 14.8

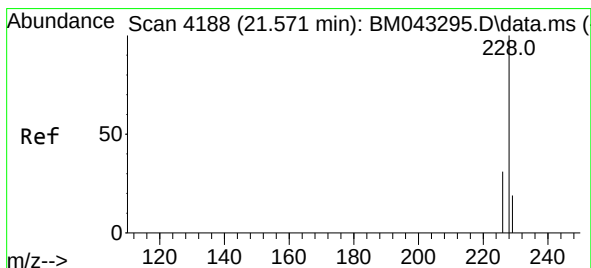
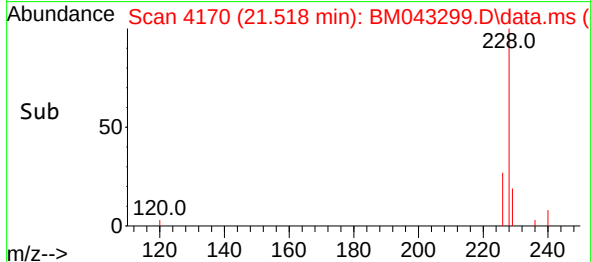
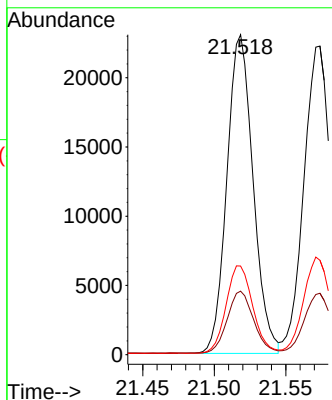
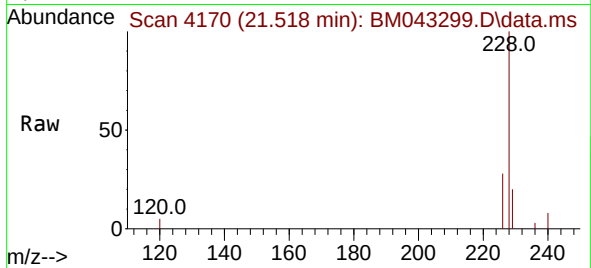




#21
Benzo(a)anthracene
Concen: 0.478 ng/ul
RT: 21.518 min Scan# 4170
Delta R.T. -0.000 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

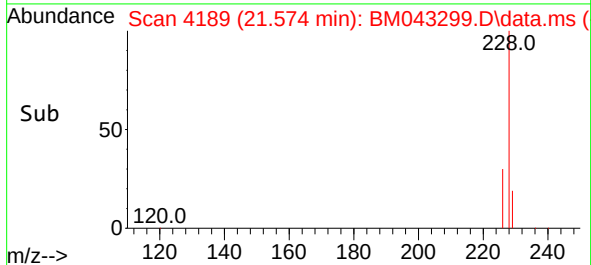
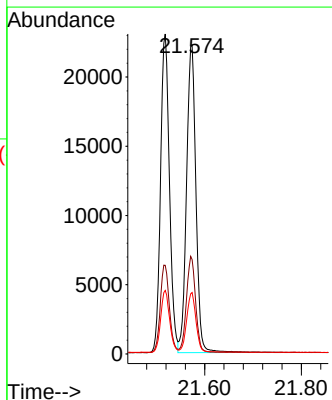
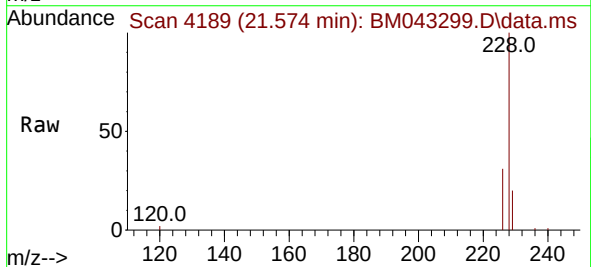
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

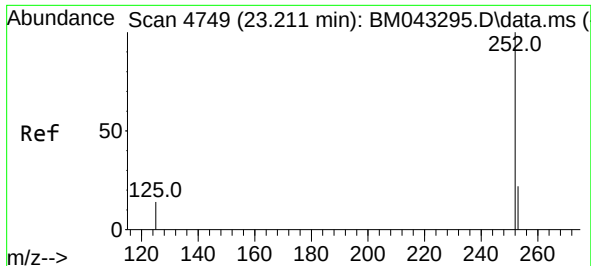
Tgt Ion:228 Resp: 29405
Ion Ratio Lower Upper
228 100
229 19.8 15.5 23.3
226 27.7 22.6 34.0



#22
Chrysene
Concen: 0.462 ng/ul
RT: 21.574 min Scan# 4189
Delta R.T. 0.003 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:228 Resp: 30005
Ion Ratio Lower Upper
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226 30.6 24.8 37.2
229 19.9 15.7 23.5

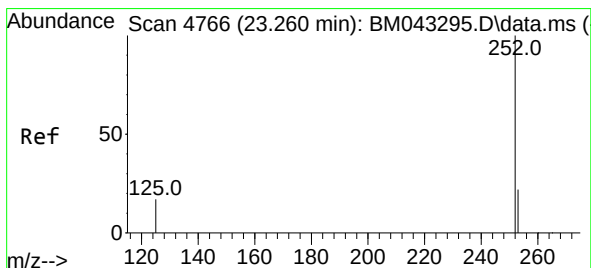
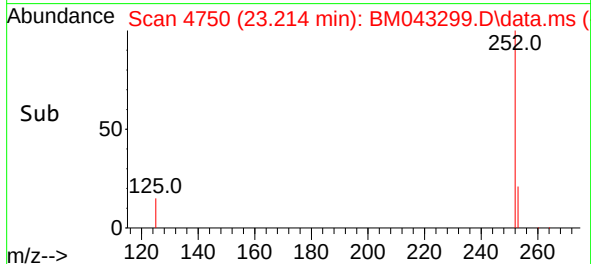
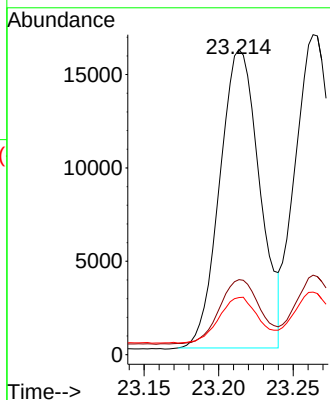
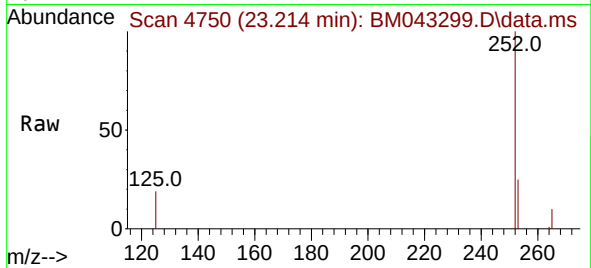




#24
Benzo(b)fluoranthene
Concen: 0.445 ng/ul
RT: 23.214 min Scan# 4750
Delta R.T. 0.000 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

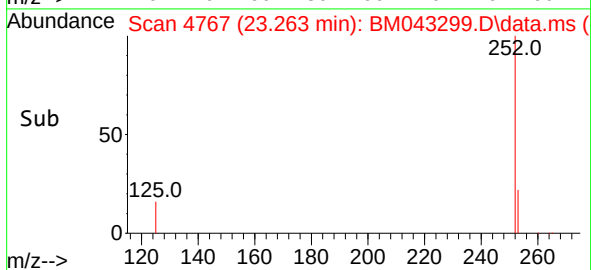
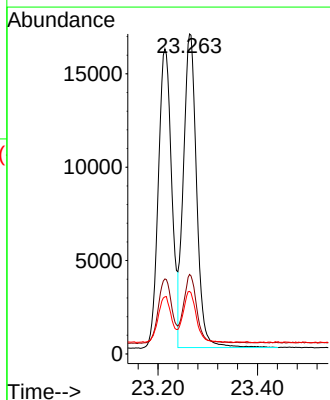
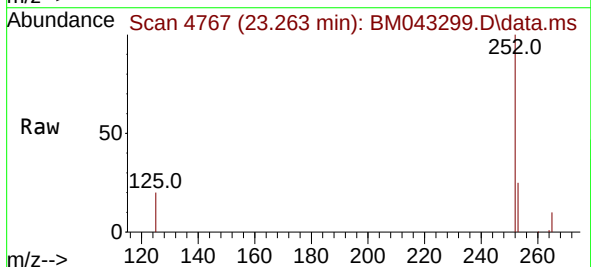
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

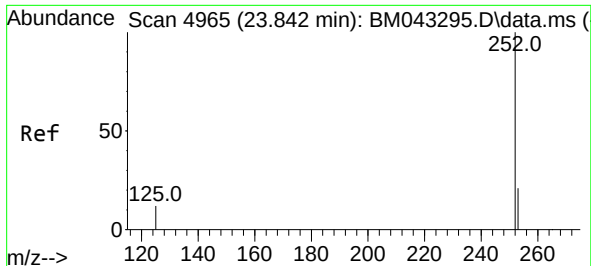
Tgt Ion:252 Resp: 29853
Ion Ratio Lower Upper
252 100
253 24.6 0.0 48.8
125 18.7 0.0 29.2



#25
Benzo(k)fluoranthene
Concen: 0.445 ng/ul
RT: 23.263 min Scan# 4767
Delta R.T. 0.000 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:252 Resp: 30967
Ion Ratio Lower Upper
252 100
253 24.8 18.6 28.0
125 19.6 11.8 17.8#

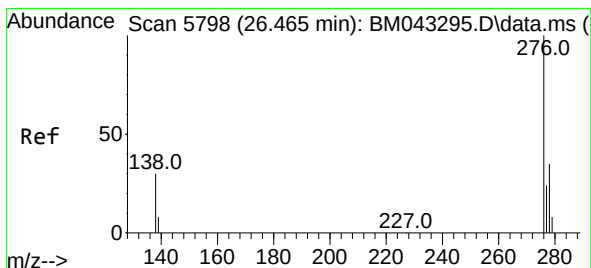
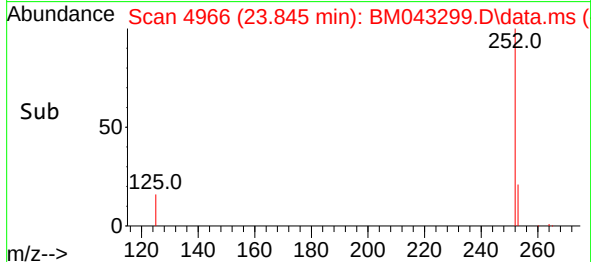
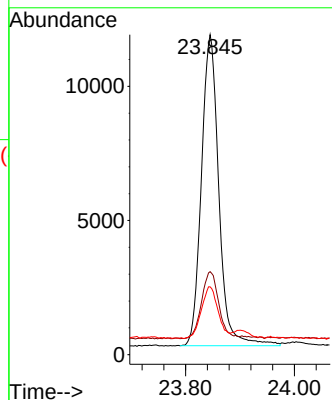
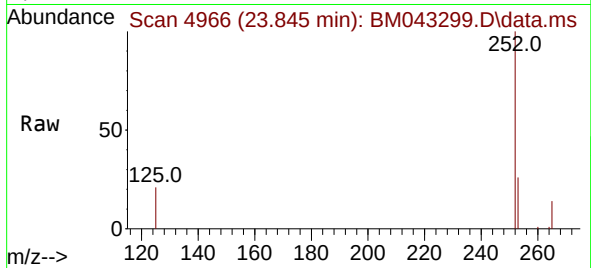




#26
Benzo(a)pyrene
Concen: 0.465 ng/ul
RT: 23.845 min Scan# 4965
Delta R.T. 0.000 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

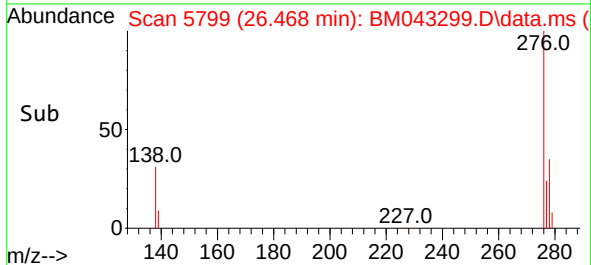
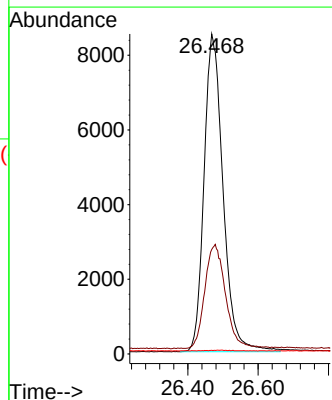
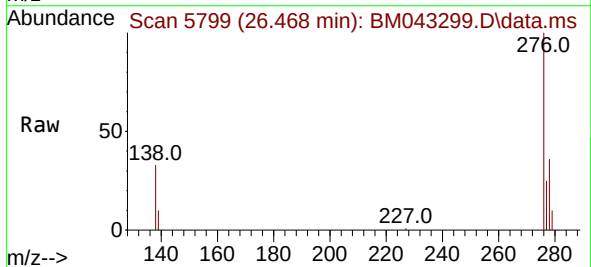
Instrument :
BNA_M
ClientSampleId :
BHEH8MS

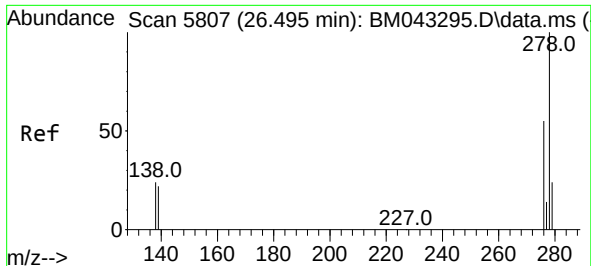
Tgt Ion:252 Resp: 25727
Ion Ratio Lower Upper
252 100
253 26.0 20.2 30.2
125 21.2 13.5 20.3#



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.507 ng/ul
RT: 26.468 min Scan# 5799
Delta R.T. -0.003 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:276 Resp: 31951
Ion Ratio Lower Upper
276 100
138 0.0 24.6 36.8#
227 0.1 0.0 0.0#

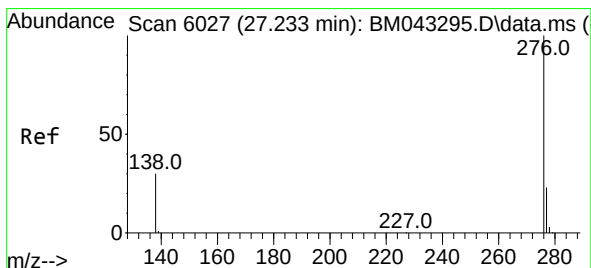
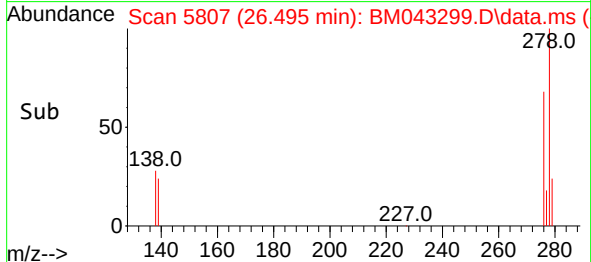
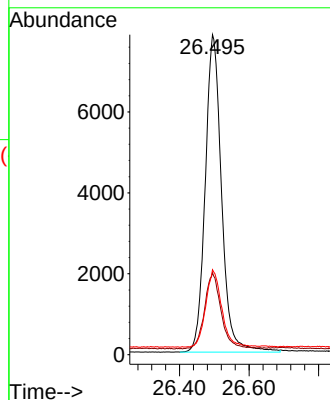
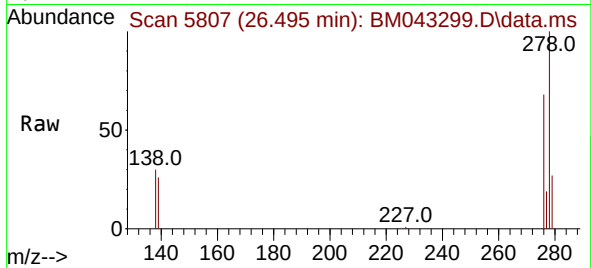




#28
Dibenzo(a,h)anthracene
Concen: 0.513 ng/ul
RT: 26.495 min Scan# 5807
Delta R.T. -0.007 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Instrument :
BNA_M
ClientSampleId :
BHEH8MS

Tgt Ion:278 Resp: 25603
Ion Ratio Lower Upper
278 100
139 25.6 17.4 26.2
279 26.6 20.9 31.3



#29
Benzo(g,h,i)perylene
Concen: 0.505 ng/ul
RT: 27.239 min Scan# 6029
Delta R.T. 0.000 min
Lab File: BM043299.D
Acq: 13 Dec 2023 13:49

Tgt Ion:276 Resp: 27152
Ion Ratio Lower Upper
276 100
138 31.7 23.1 34.7
277 24.2 19.4 29.0

