

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061825\
 Data File : BN037306.D
 Acq On : 18 Jun 2025 09:31
 Operator : RC/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4269

Quant Time: Jun 18 10:34:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN061725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 17 15:03:28 2025
 Response via : Initial Calibration

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

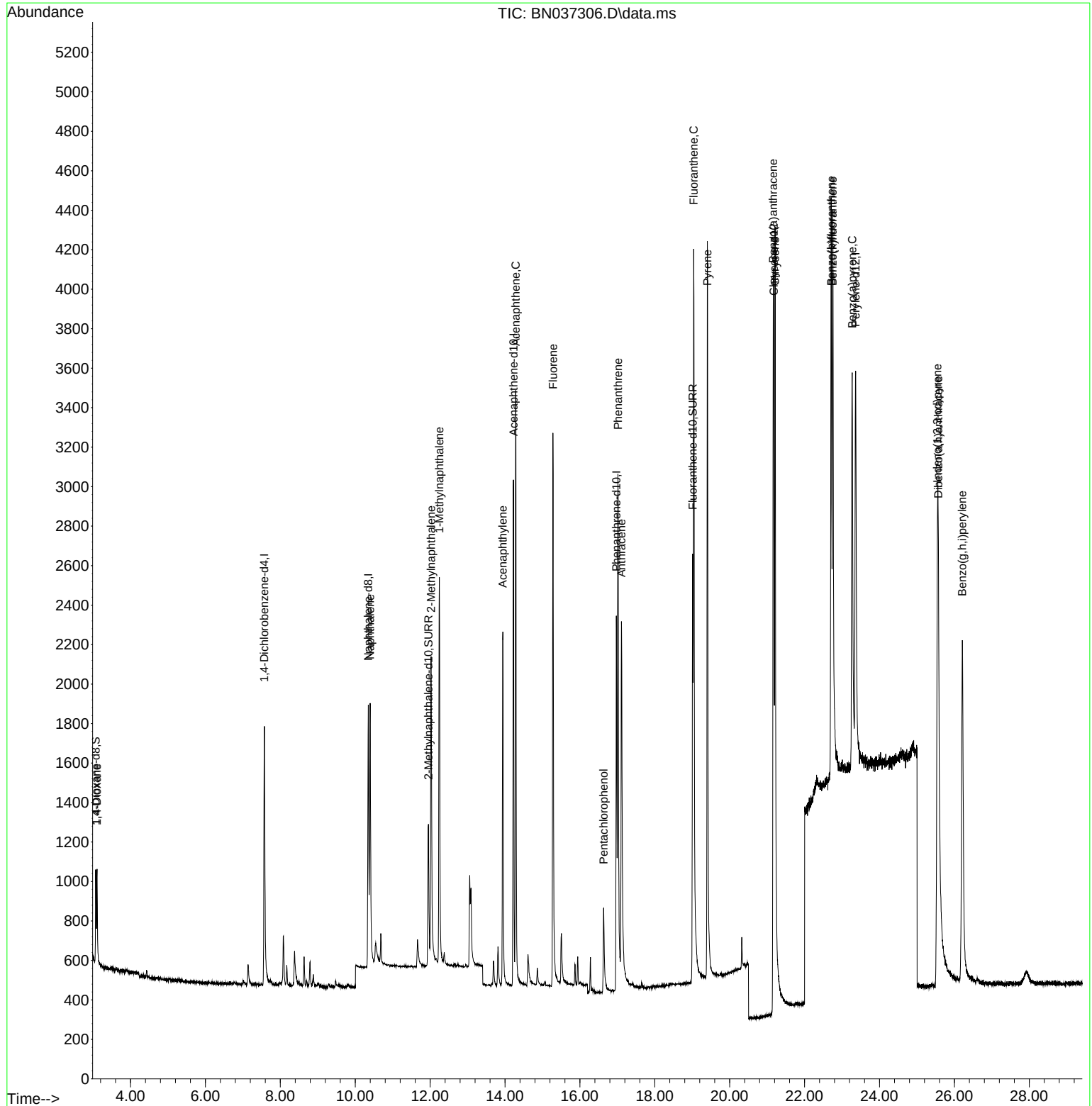
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	892	0.400	ng/ul	0.00
4) Naphthalene-d8	10.349	136	2058	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.225	164	1489	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.974	188	3117	0.400	ng/ul	0.00
17) Chrysene-d12	21.176	240	2863	0.400	ng/ul	0.00
23) Perylene-d12	23.362	264	3219	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.072	96	336	0.406	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.955	152	1282	0.373	ng/ul	0.00
18) Fluoranthene-d10	19.013	212	3437	0.376	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.105	88	368	0.353	ng/ul	97
5) Naphthalene	10.398	128	2012	0.372	ng/ul	99
7) 2-Methylnaphthalene	12.026	142	1396	0.356	ng/ul	100
8) 1-Methylnaphthalene	12.246	142	1481	0.370	ng/ul	99
10) Acenaphthylene	13.943	152	2288	0.340	ng/ul	99
11) Acenaphthene	14.285	153	1786	0.374	ng/ul	96
12) Fluorene	15.280	166	2099	0.361	ng/ul	98
14) Pentachlorophenol	16.636	266	425	0.368	ng/ul	96
15) Phenanthrene	17.016	178	3233	0.356	ng/ul	99
16) Anthracene	17.109	178	2948	0.356	ng/ul	97
19) Fluoranthene	19.041	202	4250	0.374	ng/ul	98
20) Pyrene	19.403	202	4367	0.378	ng/ul	99
21) Benzo(a)anthracene	21.162	228	3454	0.358	ng/ul	97
22) Chrysene	21.211	228	4651	0.379	ng/ul	99
24) Benzo(b)fluoranthene	22.710	252	3965	0.357	ng/ul	96
25) Benzo(k)fluoranthene	22.751	252	4727	0.358	ng/ul	97
26) Benzo(a)pyrene	23.272	252	4100	0.365	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.545	276	5359	0.388	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.572	278	4032	0.379	ng/ul	99
29) Benzo(g,h,i)perylene	26.213	276	4451	0.375	ng/ul	100

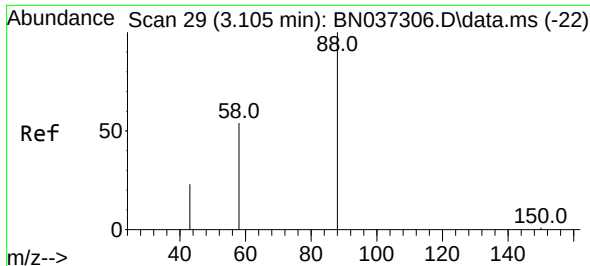
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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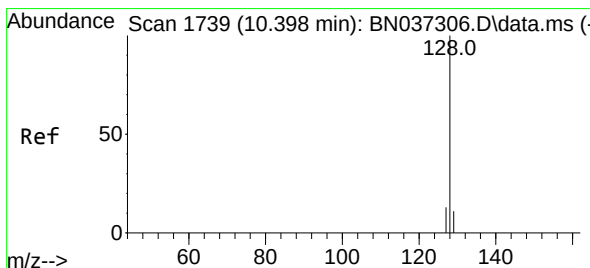
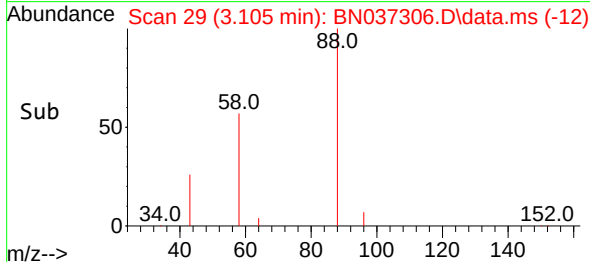
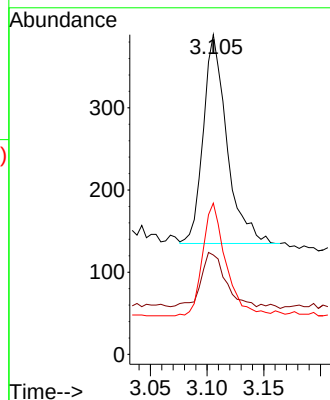
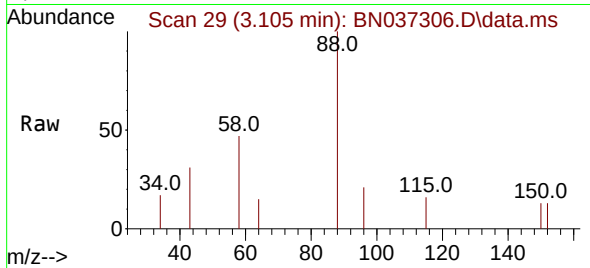




#2
 1,4-Dioxane
 Concen: 0.353 ng/ul
 RT: 3.105 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: BN037306.D
 Acq: 18 Jun 2025 09:31

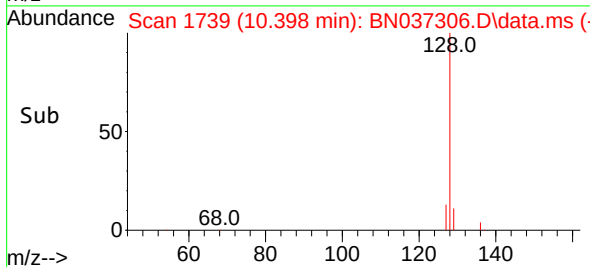
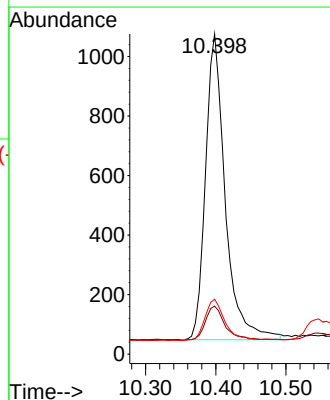
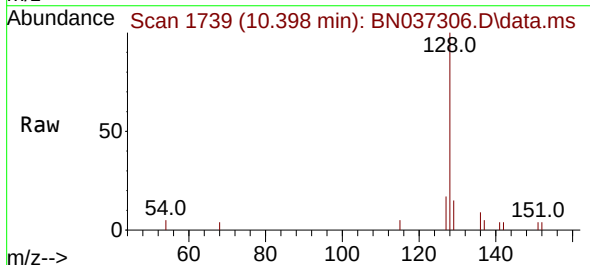
Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4269

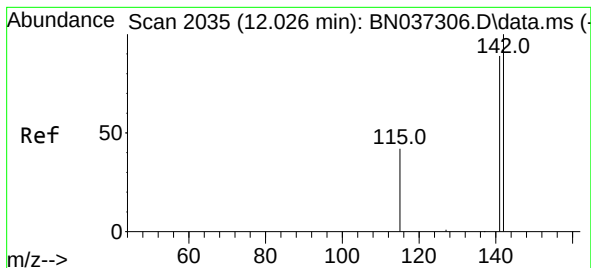
Tgt Ion: 88 Resp: 368
 Ion Ratio Lower Upper
 88 100
 43 31.1 27.1 40.7
 58 47.3 38.7 58.1



#5
 Naphthalene
 Concen: 0.372 ng/ul
 RT: 10.398 min Scan# 1739
 Delta R.T. -0.000 min
 Lab File: BN037306.D
 Acq: 18 Jun 2025 09:31

Tgt Ion: 128 Resp: 2012
 Ion Ratio Lower Upper
 128 100
 129 15.0 11.4 17.2
 127 17.1 14.2 21.2

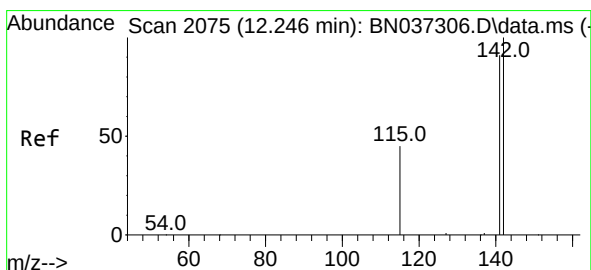
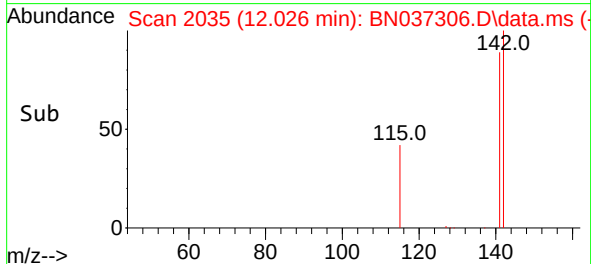
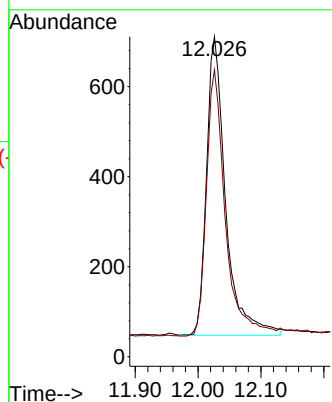
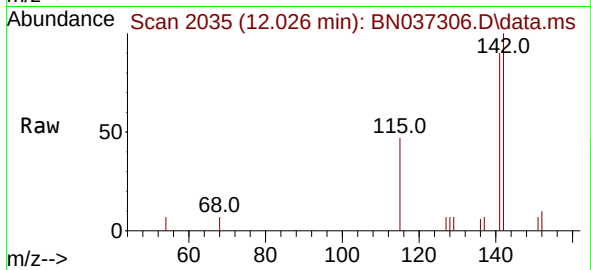




#7
2-Methylnaphthalene
Concen: 0.356 ng/ul
RT: 12.026 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

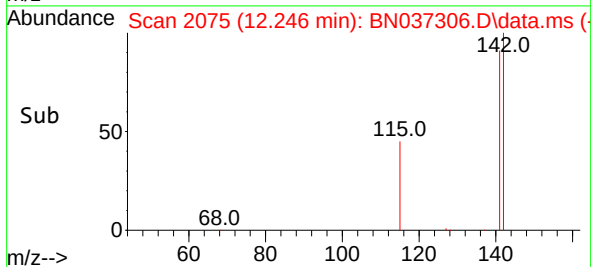
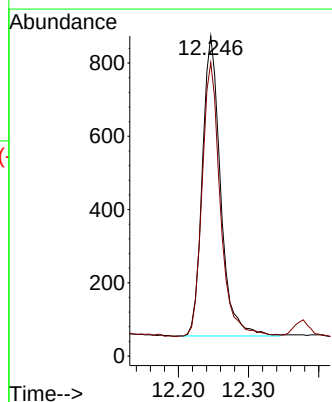
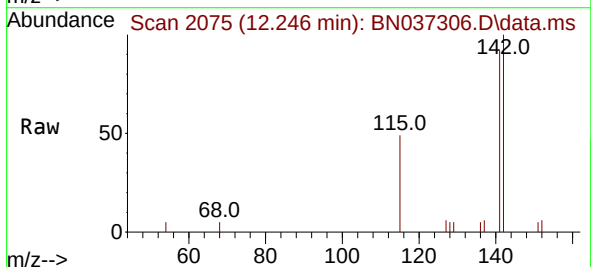
Instrument :
BNA_N
ClientSampleId :
SSTD0.4269

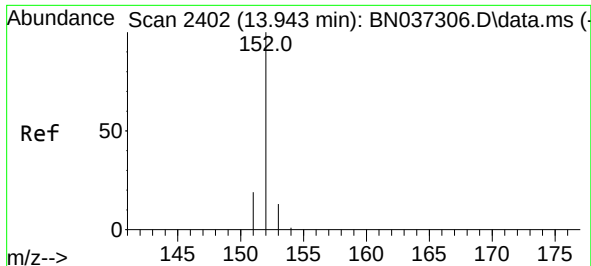
Tgt Ion:142 Resp: 1396
Ion Ratio Lower Upper
142 100
141 88.6 70.9 106.3



#8
1-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.246 min Scan# 2075
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Tgt Ion:142 Resp: 1481
Ion Ratio Lower Upper
142 100
141 91.8 74.6 111.8

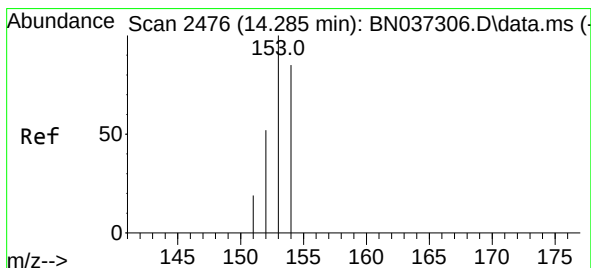
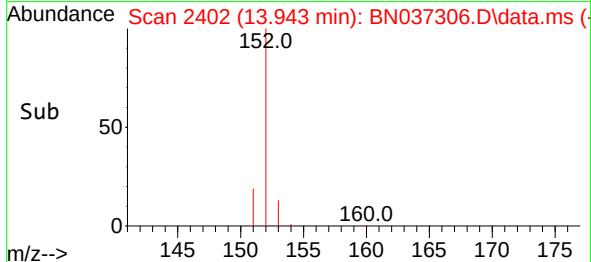
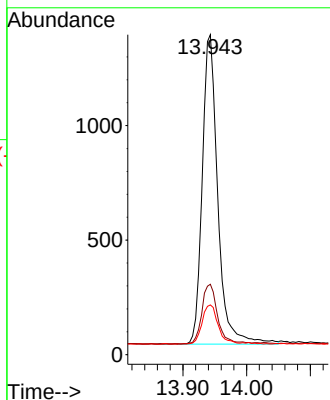
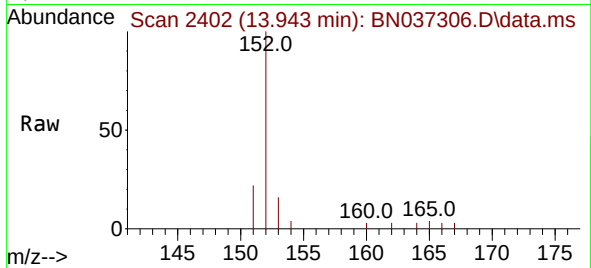




#10
Acenaphthylene
Concen: 0.340 ng/ul
RT: 13.943 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

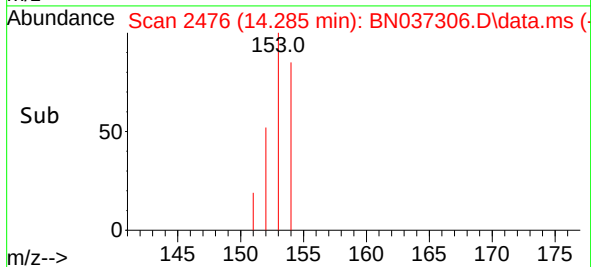
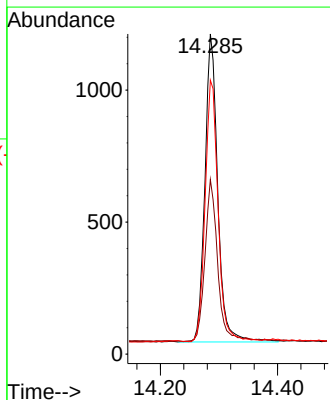
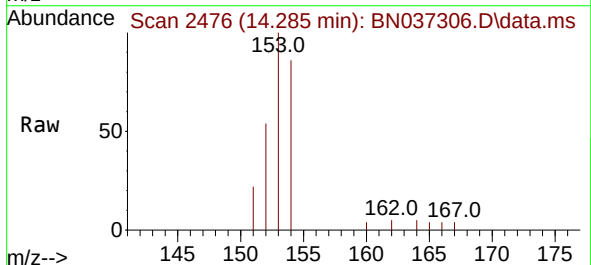
Instrument :
BNA_N
ClientSampleId :
SSTD0.4269

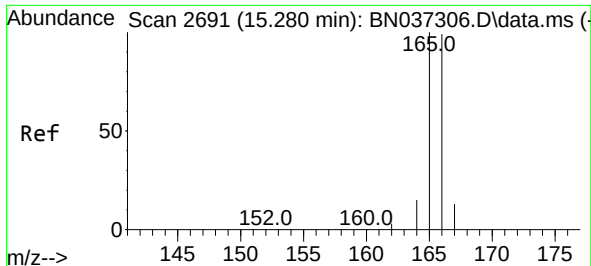
Tgt Ion:152 Resp: 2288
Ion Ratio Lower Upper
152 100
151 22.0 17.8 26.8
153 15.5 12.2 18.2



#11
Acenaphthene
Concen: 0.374 ng/ul
RT: 14.285 min Scan# 2476
Delta R.T. -0.005 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Tgt Ion:153 Resp: 1786
Ion Ratio Lower Upper
153 100
152 54.5 41.1 61.7
154 85.6 70.9 106.3

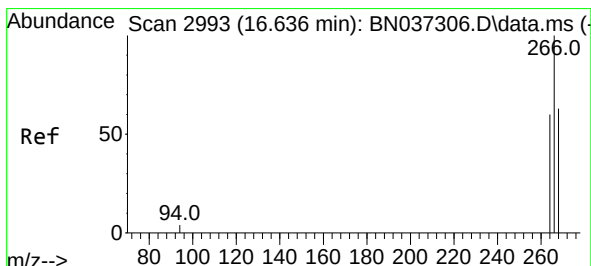
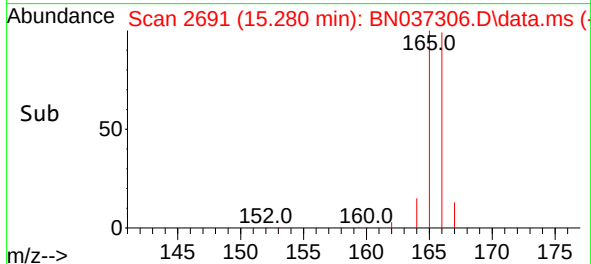
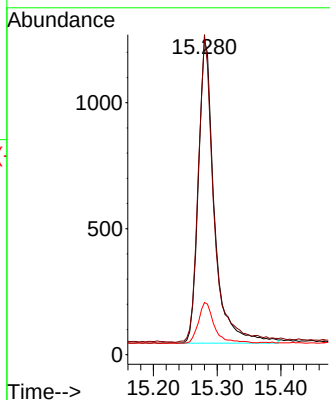
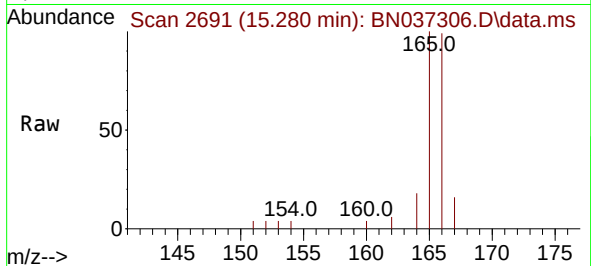




#12
 Fluorene
 Concen: 0.361 ng/ul
 RT: 15.280 min Scan# 2099
 Delta R.T. -0.005 min
 Lab File: BN037306.D
 Acq: 18 Jun 2025 09:31

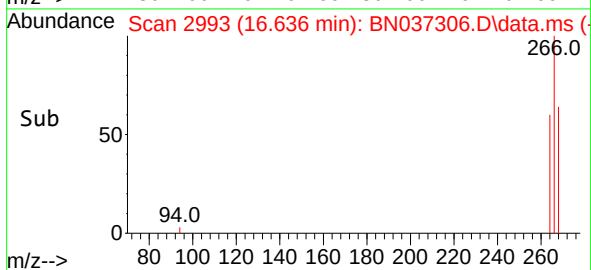
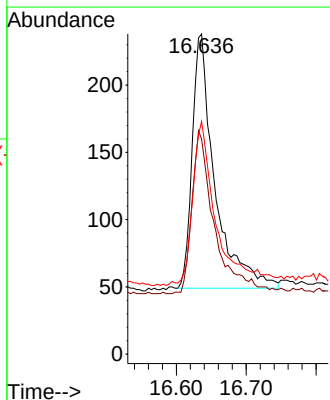
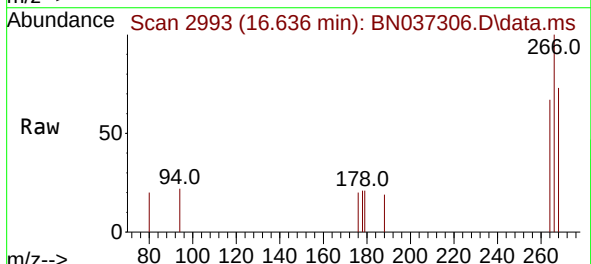
Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4269

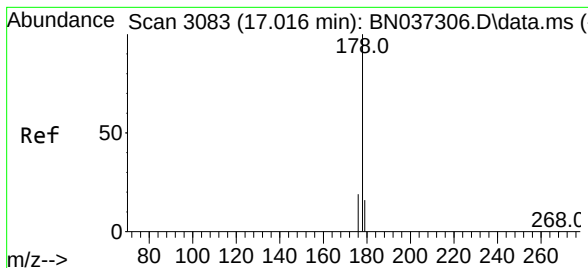
Tgt Ion:	166	Resp:	2099
Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.6
167	16.5	13.0	19.6



#14
 Pentachlorophenol
 Concen: 0.368 ng/ul
 RT: 16.636 min Scan# 2993
 Delta R.T. -0.000 min
 Lab File: BN037306.D
 Acq: 18 Jun 2025 09:31

Tgt Ion:	266	Resp:	425
Ion	Ratio	Lower	Upper
266	100		
264	64.7	50.5	75.7
268	69.9	51.9	77.9





#15

Phenanthrene

Concen: 0.356 ng/ul

RT: 17.016 min Scan# 3083

Delta R.T. -0.000 min

Lab File: BN037306.D

Acq: 18 Jun 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.4269

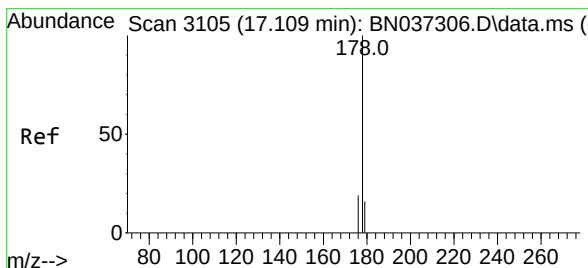
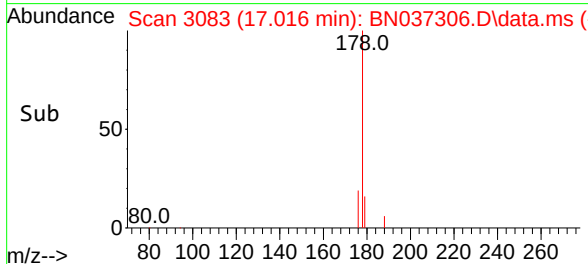
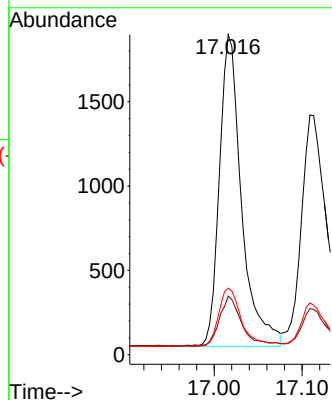
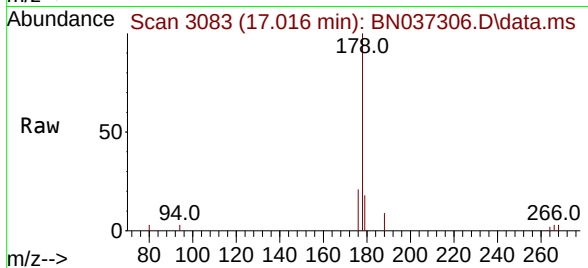
Tgt Ion:178 Resp: 3233

Ion Ratio Lower Upper

178 100

179 18.3 13.7 20.5

176 20.8 16.6 24.8



#16

Anthracene

Concen: 0.356 ng/ul

RT: 17.109 min Scan# 3105

Delta R.T. -0.004 min

Lab File: BN037306.D

Acq: 18 Jun 2025 09:31

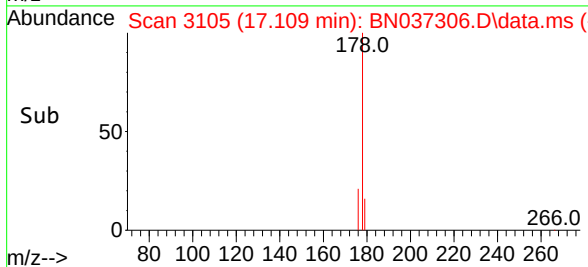
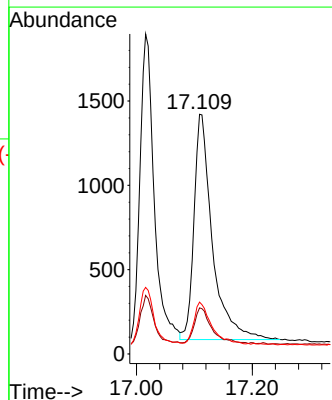
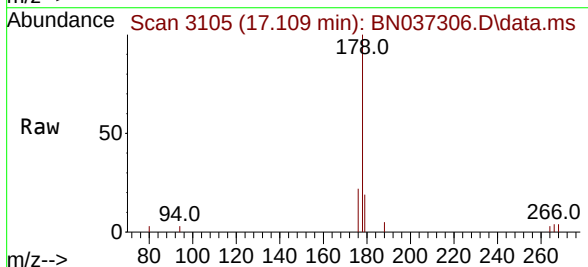
Tgt Ion:178 Resp: 2948

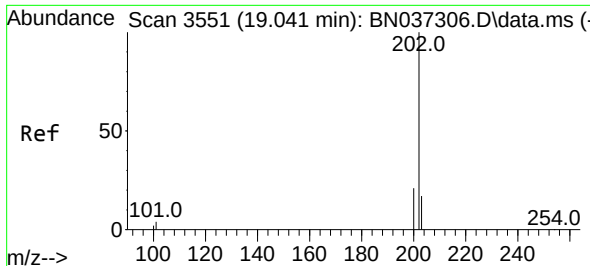
Ion Ratio Lower Upper

178 100

179 19.2 13.8 20.8

176 21.6 16.8 25.2

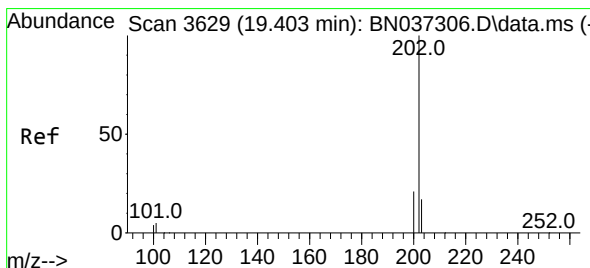
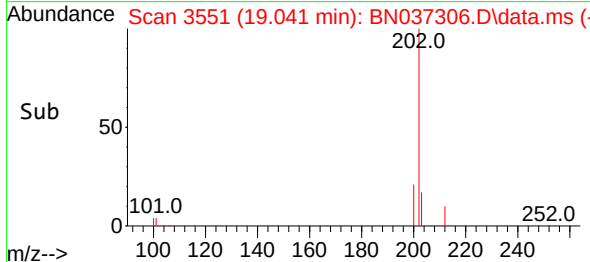
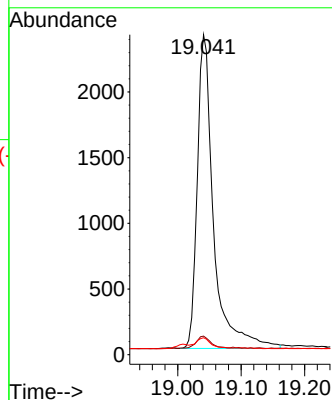
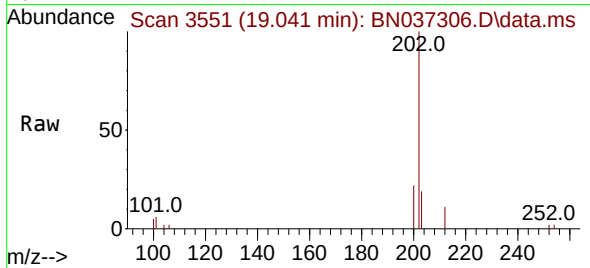




#19
Fluoranthene
Concen: 0.374 ng/ul
RT: 19.041 min Scan# 3551
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

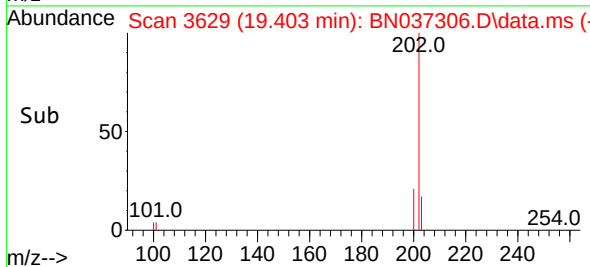
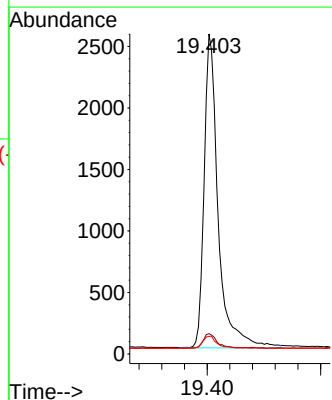
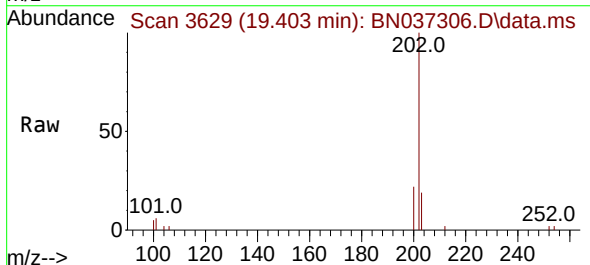
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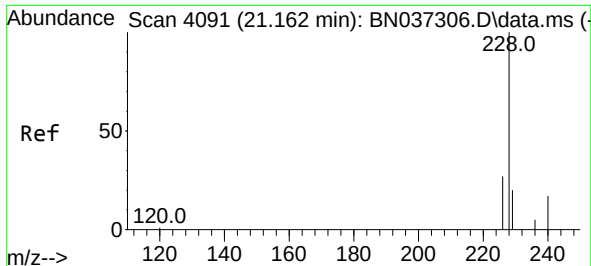
Tgt Ion:202 Resp: 4250
Ion Ratio Lower Upper
202 100
101 5.8 4.3 6.5
100 5.3 3.6 5.4



#20
Pyrene
Concen: 0.378 ng/ul
RT: 19.403 min Scan# 3629
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Tgt Ion:202 Resp: 4367
Ion Ratio Lower Upper
202 100
101 6.3 4.8 7.2
100 5.5 4.2 6.2

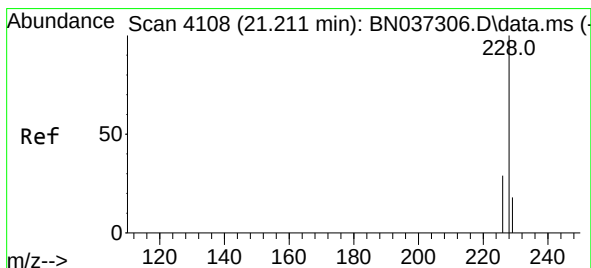
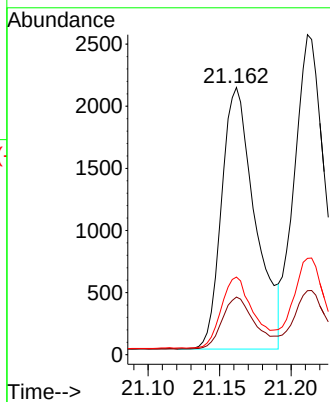
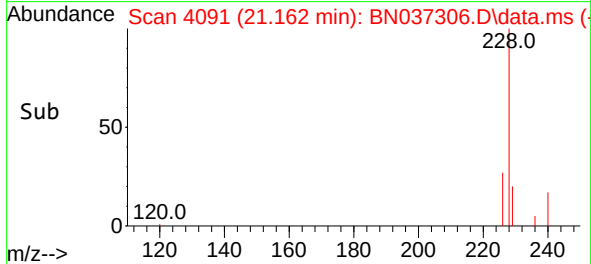
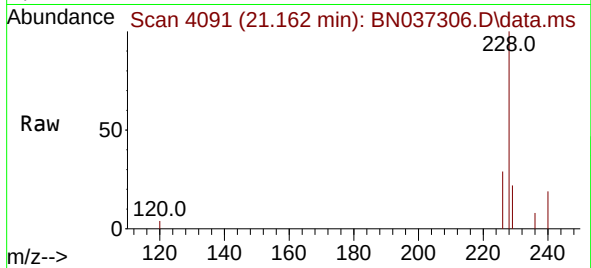




#21
Benzo(a)anthracene
Concen: 0.358 ng/ul
RT: 21.162 min Scan# 4091
Delta R.T. 0.003 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

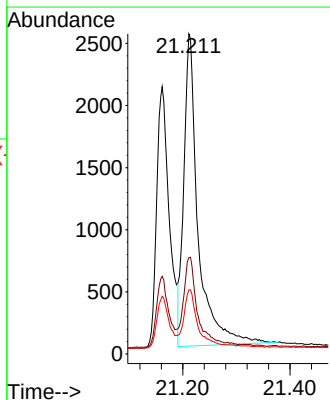
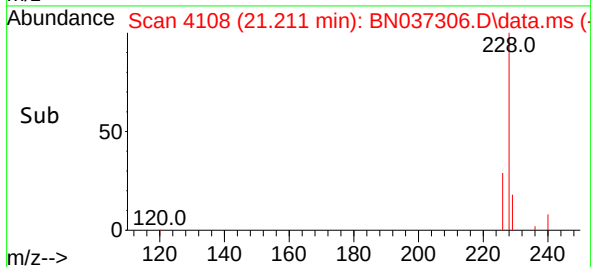
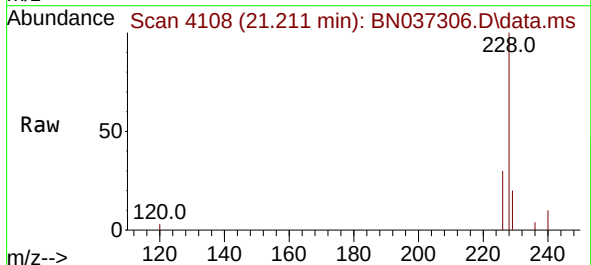
Instrument :
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ClientSampleId :
SSTD0.4269

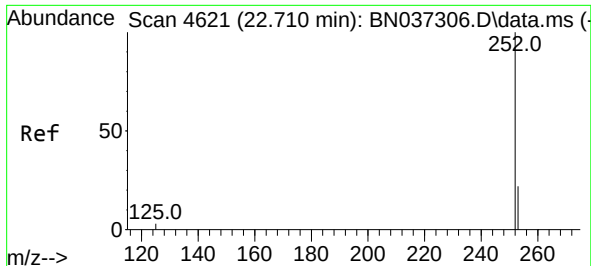
Tgt Ion:228 Resp: 3454
Ion Ratio Lower Upper
228 100
229 21.6 16.1 24.1
226 29.1 22.2 33.4



#22
Chrysene
Concen: 0.379 ng/ul
RT: 21.211 min Scan# 4108
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

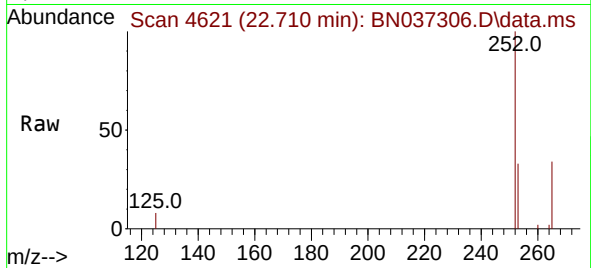
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Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 20.0 16.0 24.0



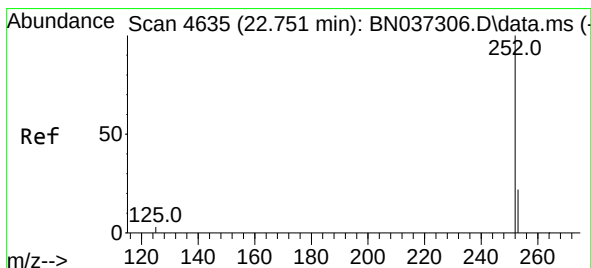
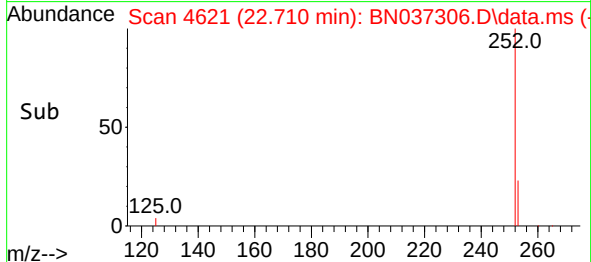
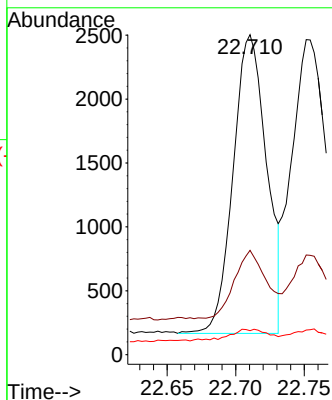


#24
Benzo(b)fluoranthene
Concen: 0.357 ng/ul
RT: 22.710 min Scan# 4621
Delta R.T. 0.003 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Instrument :
BNA_N
ClientSampleId :
SSTD0.4269

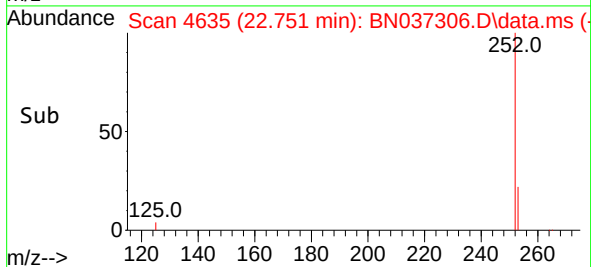
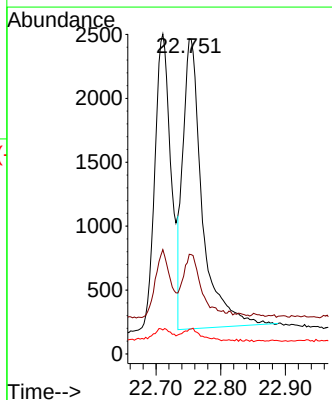
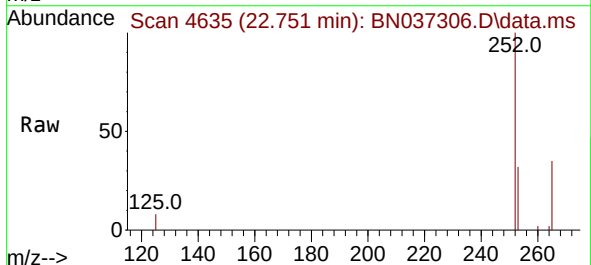


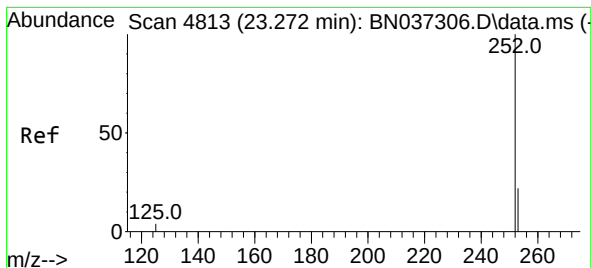
Tgt Ion:252 Resp: 3965
Ion Ratio Lower Upper
252 100
253 32.6 0.0 60.2
125 7.5 0.0 16.2



#25
Benzo(k)fluoranthene
Concen: 0.358 ng/ul
RT: 22.751 min Scan# 4635
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Tgt Ion:252 Resp: 4727
Ion Ratio Lower Upper
252 100
253 31.6 24.0 36.0
125 7.8 5.9 8.9





#26

Benzo(a)pyrene

Concen: 0.365 ng/ul

RT: 23.272 min Scan# 4813

Delta R.T. 0.006 min

Lab File: BN037306.D

Acq: 18 Jun 2025 09:31

Instrument :

BNA_N

ClientSampleId :

SSTD0.4269

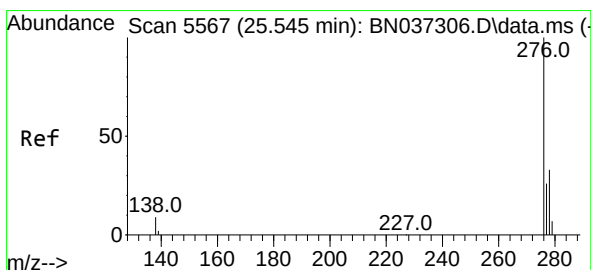
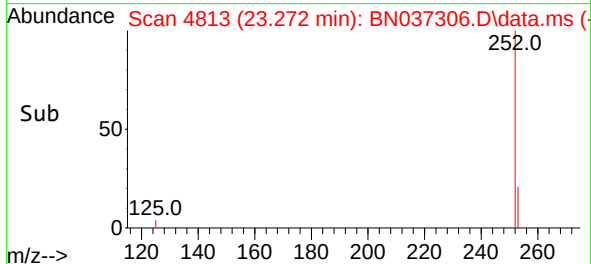
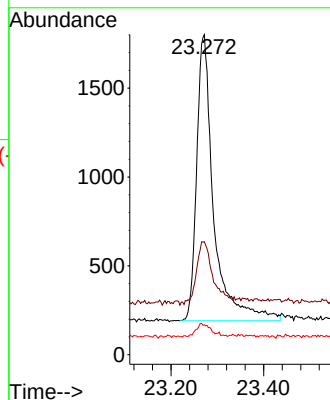
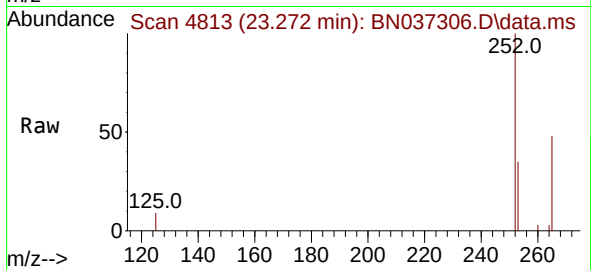
Tgt Ion:252 Resp: 4100

Ion Ratio Lower Upper

252 100

253 35.3 27.4 41.2

125 9.3 8.6 13.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.388 ng/ul

RT: 25.545 min Scan# 5567

Delta R.T. -0.000 min

Lab File: BN037306.D

Acq: 18 Jun 2025 09:31

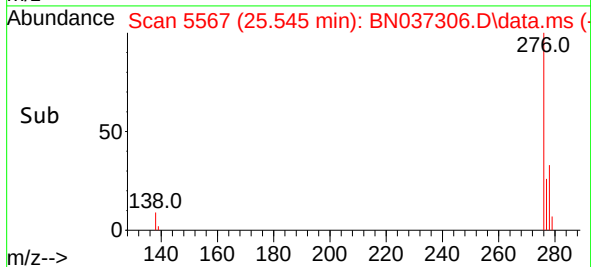
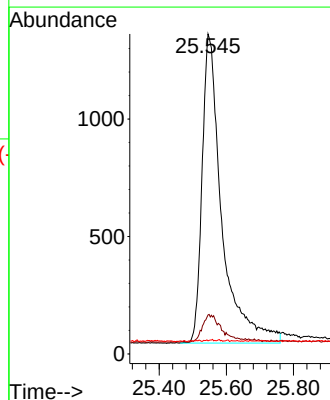
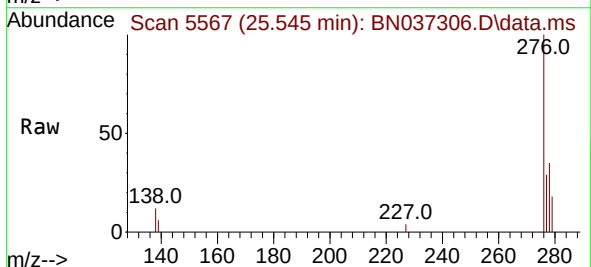
Tgt Ion:276 Resp: 5359

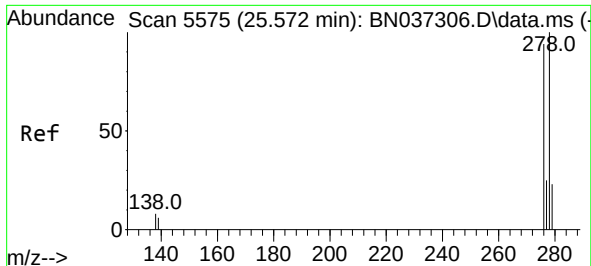
Ion Ratio Lower Upper

276 100

138 9.2 7.5 11.3

227 0.1 0.1 0.1#

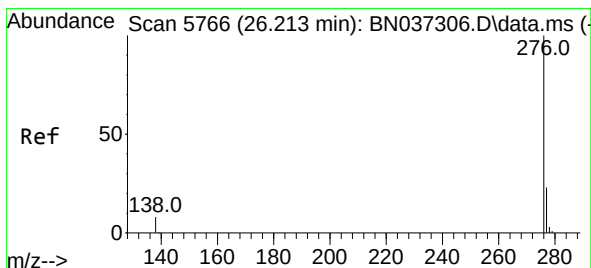
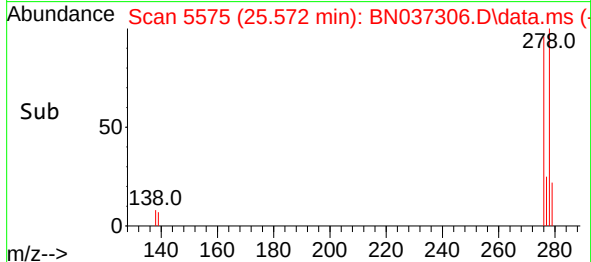
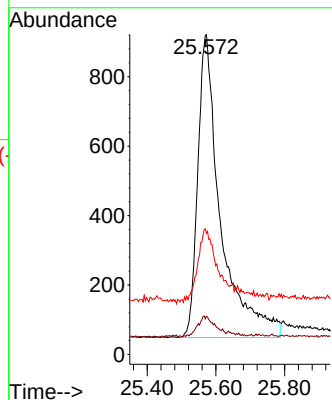
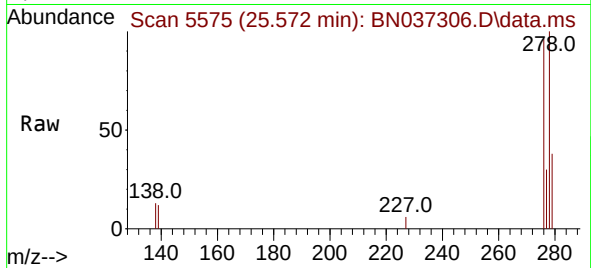




#28
Dibenzo(a,h)anthracene
Concen: 0.379 ng/ul
RT: 25.572 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Instrument :
BNA_N
ClientSampleId :
SSTD0.4269

Tgt Ion:278 Resp: 4032
Ion Ratio Lower Upper
278 100
139 11.9 8.6 12.8
279 37.9 30.6 46.0



#29
Benzo(g,h,i)perylene
Concen: 0.375 ng/ul
RT: 26.213 min Scan# 5766
Delta R.T. -0.000 min
Lab File: BN037306.D
Acq: 18 Jun 2025 09:31

Tgt Ion:276 Resp: 4451
Ion Ratio Lower Upper
276 100
138 11.6 9.4 14.2
277 27.1 21.6 32.4

