

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061825\
 Data File : BN037311.D
 Acq On : 18 Jun 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4270

Quant Time: Jun 18 13:07:24 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

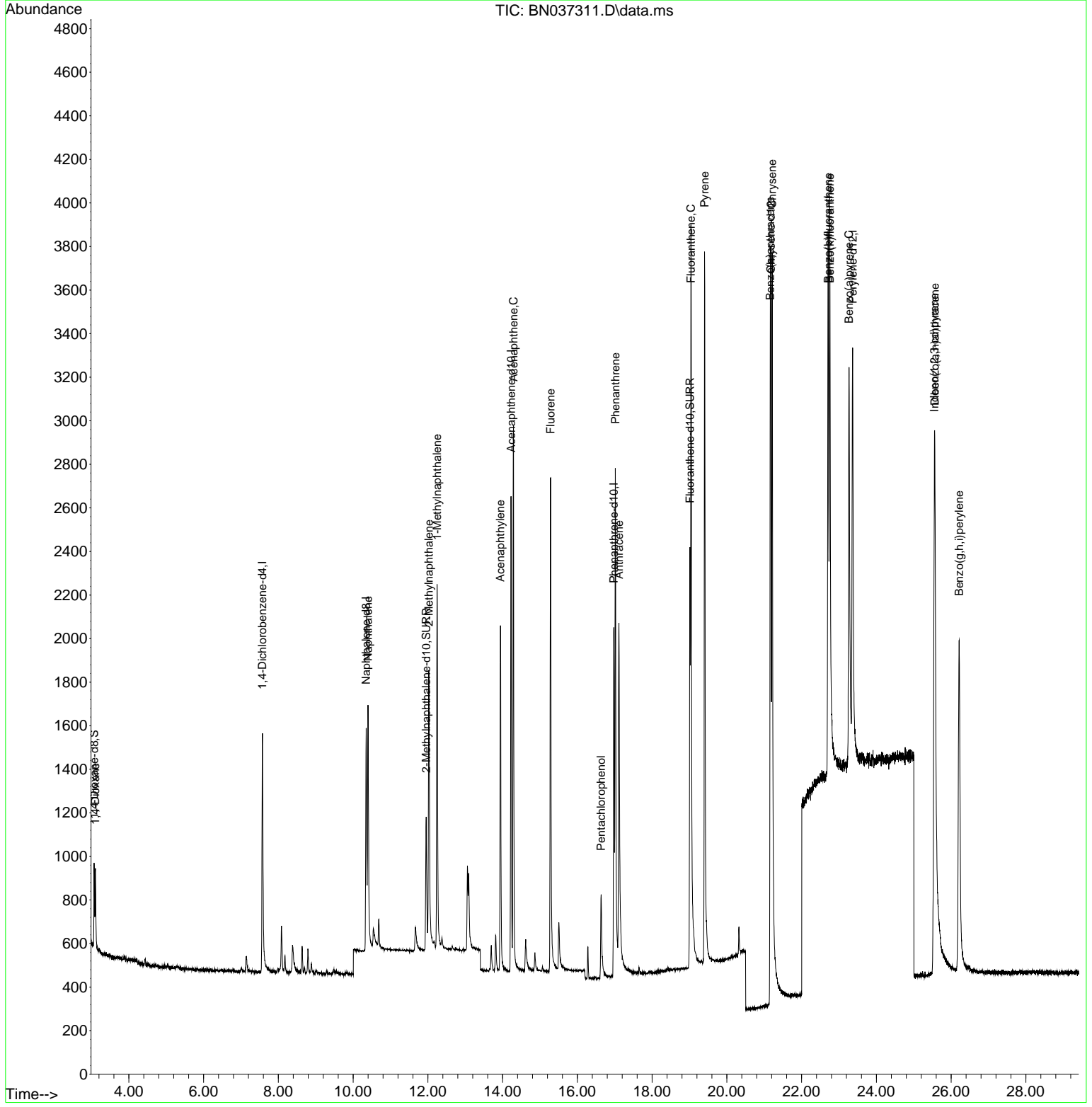
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.574	152	738	0.400	ng/ul	0.00
4) Naphthalene-d8	10.349	136	1702	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.225	164	1255	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.978	188	2690	0.400	ng/ul	0.00
17) Chrysene-d12	21.176	240	2607	0.400	ng/ul	0.00
23) Perylene-d12	23.365	264	2922	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.072	96	291	0.425	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.955	152	1111	0.391	ng/ul	0.00
18) Fluoranthene-d10	19.013	212	3138	0.377	ng/ul	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.105	88	302	0.350	ng/ul	95
5) Naphthalene	10.398	128	1665	0.373	ng/ul	98
7) 2-Methylnaphthalene	12.026	142	1161	0.358	ng/ul	100
8) 1-Methylnaphthalene	12.246	142	1256	0.379	ng/ul	100
10) Acenaphthylene	13.943	152	1952	0.344	ng/ul	97
11) Acenaphthene	14.290	153	1513	0.376	ng/ul	97
12) Fluorene	15.285	166	1805	0.368	ng/ul	98
14) Pentachlorophenol	16.636	266	407	0.409	ng/ul	99
15) Phenanthrene	17.016	178	2831	0.362	ng/ul	98
16) Anthracene	17.113	178	2578	0.361	ng/ul	99
19) Fluoranthene	19.041	202	3766	0.364	ng/ul	99
20) Pyrene	19.403	202	3960	0.377	ng/ul	98
21) Benzo(a)anthracene	21.159	228	3137	0.357	ng/ul	98
22) Chrysene	21.211	228	4231	0.379	ng/ul	98
24) Benzo(b)fluoranthene	22.710	252	3612	0.358	ng/ul	97
25) Benzo(k)fluoranthene	22.754	252	4345	0.362	ng/ul	99
26) Benzo(a)pyrene	23.269	252	3777	0.370	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.552	276	4840	0.386	ng/ul	97
28) Dibenzo(a,h)anthracene	25.566	278	3626	0.376	ng/ul	97
29) Benzo(g,h,i)perylene	26.216	276	3961	0.367	ng/ul	99

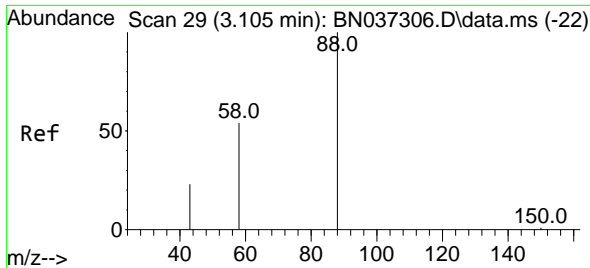
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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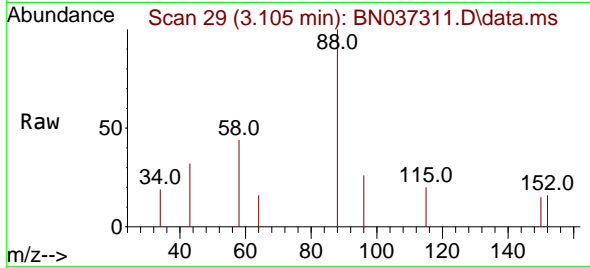
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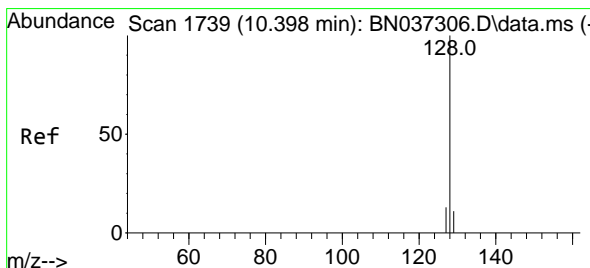
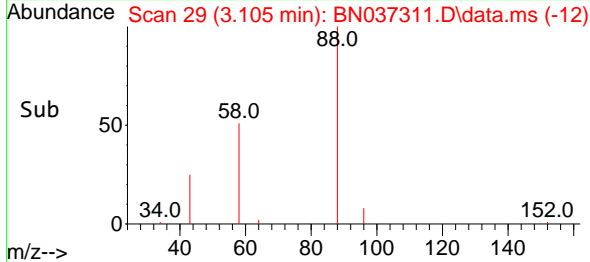
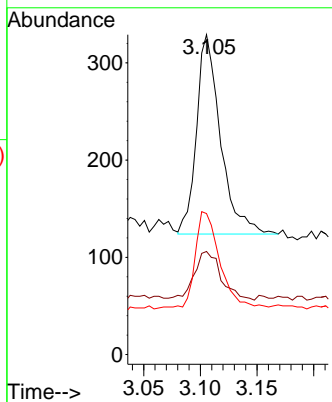
#2
 1,4-Dioxane
 Concen: 0.350 ng/u1
 RT: 3.105 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4270



Tgt Ion: 88 Resp: 302

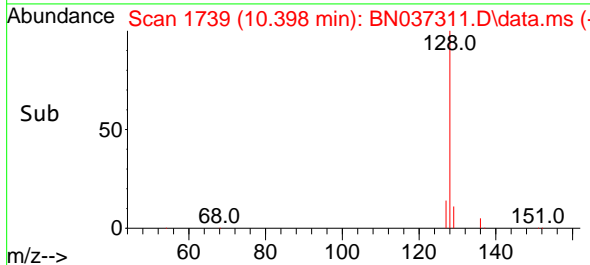
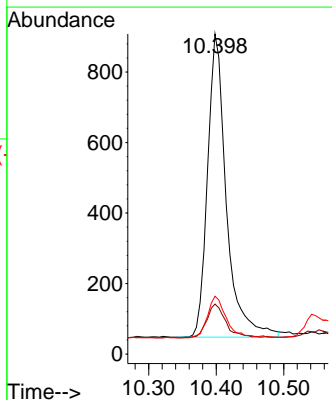
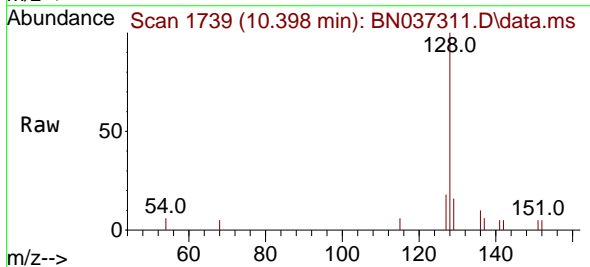
Ion	Ratio	Lower	Upper
88	100		
43	32.2	27.1	40.7
58	44.1	38.7	58.1

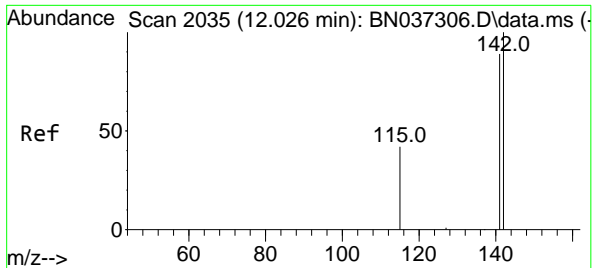


#5
 Naphthalene
 Concen: 0.373 ng/u1
 RT: 10.398 min Scan# 1739
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion:128 Resp: 1665

Ion	Ratio	Lower	Upper
128	100		
129	15.6	11.4	17.2
127	18.1	14.2	21.2

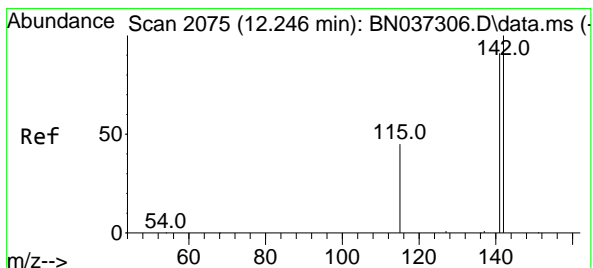
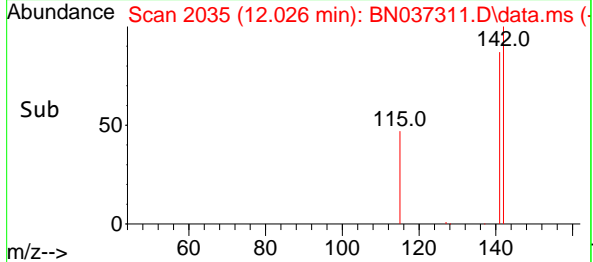
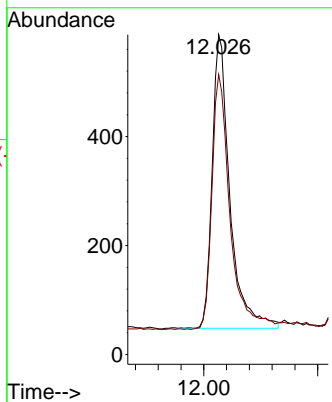
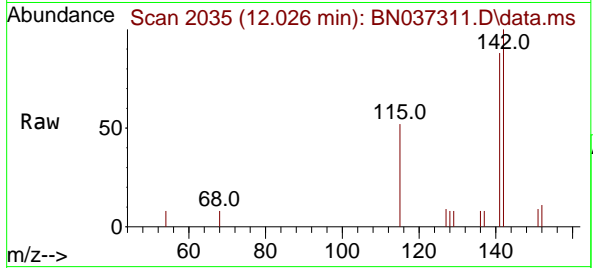




#7
 2-Methylnaphthalene
 Concen: 0.358 ng/ul
 RT: 12.026 min Scan# 2035
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

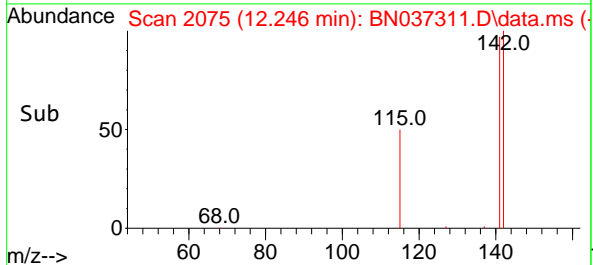
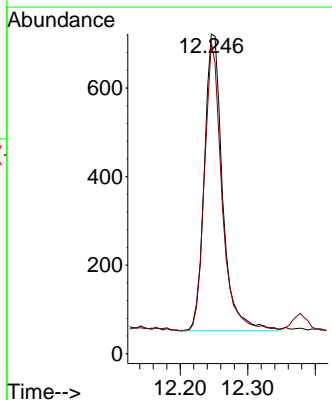
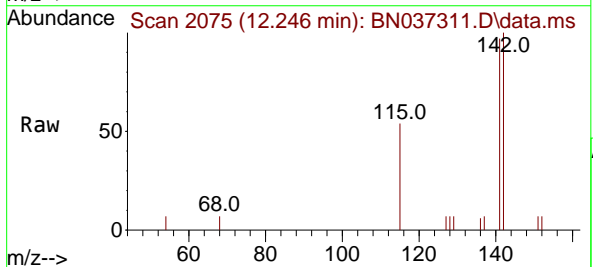
Instrument : BNA_N
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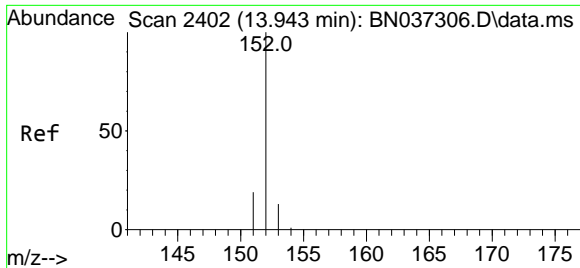
Tgt Ion:142 Resp: 1161
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.9 106.3



#8
 1-Methylnaphthalene
 Concen: 0.379 ng/ul
 RT: 12.246 min Scan# 2075
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion:142 Resp: 1256
 Ion Ratio Lower Upper
 142 100
 141 93.6 74.6 111.8

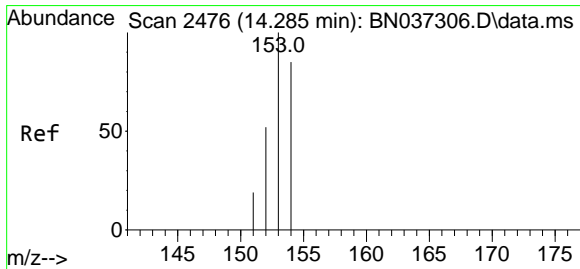
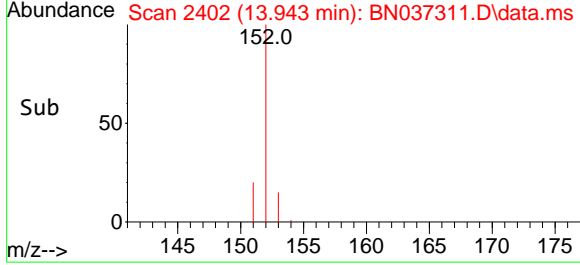
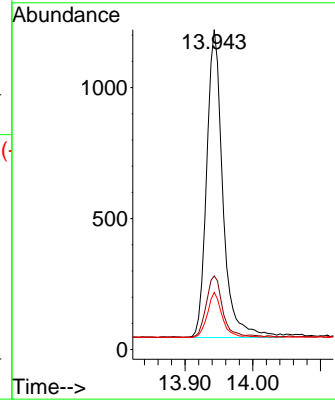
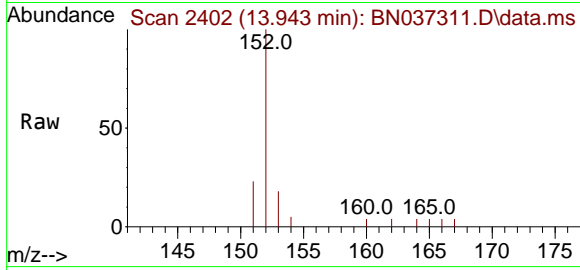




#10
 Acenaphthylene
 Concen: 0.344 ng/u1
 RT: 13.943 min Scan# 2402
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

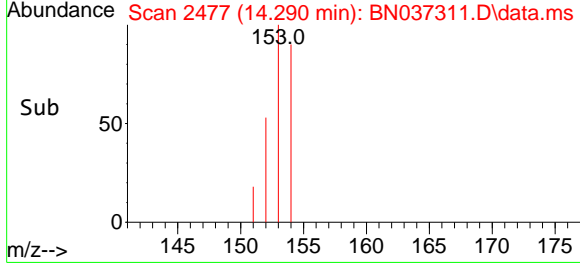
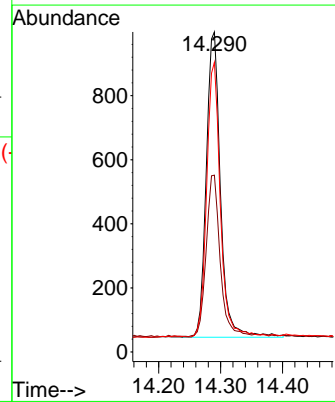
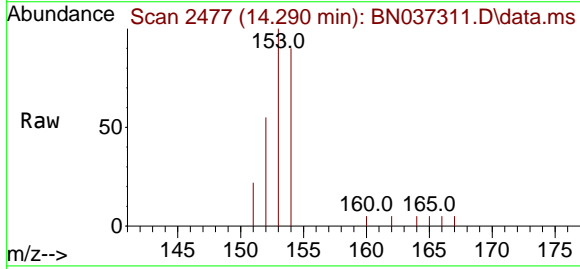
Instrument : BNA_N
 ClientSampleId : SSTD0.4270

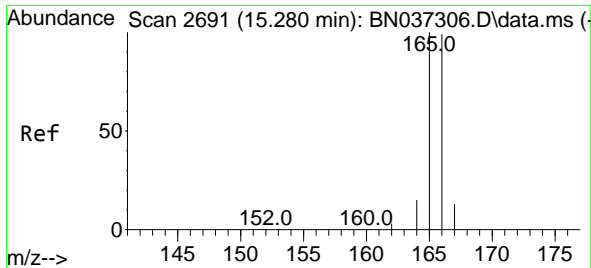
Tgt Ion	Resp	Lower	Upper
152	100		
151	23.0	17.8	26.8
153	17.9	12.2	18.2



#11
 Acenaphthene
 Concen: 0.376 ng/u1
 RT: 14.290 min Scan# 2477
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion	Resp	Lower	Upper
153	100		
152	55.3	41.1	61.7
154	90.5	70.9	106.3

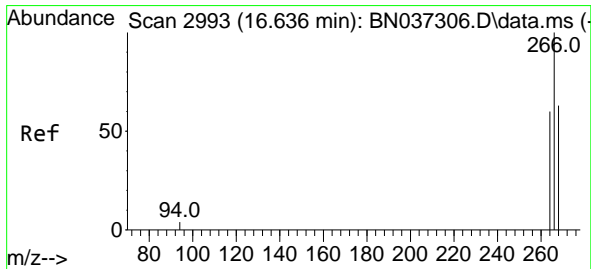
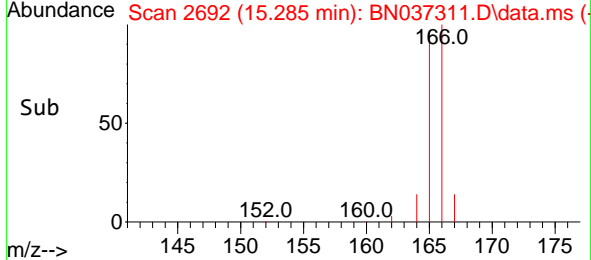
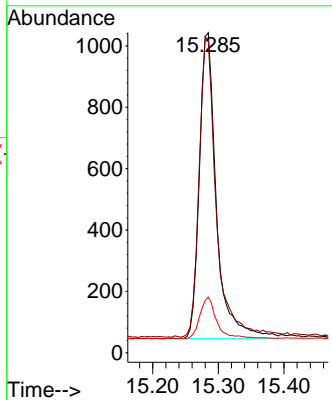
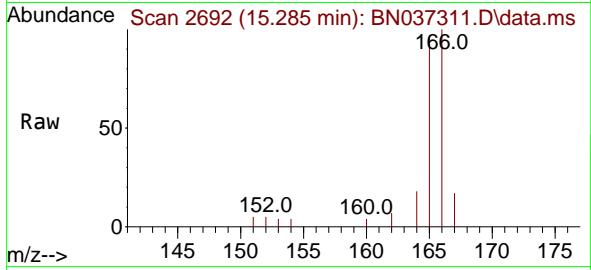




#12
 Fluorene
 Concen: 0.368 ng/u1
 RT: 15.285 min Scan# 2692
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

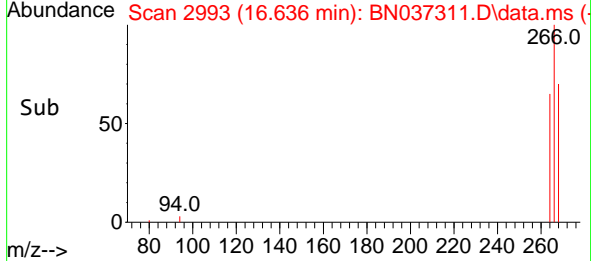
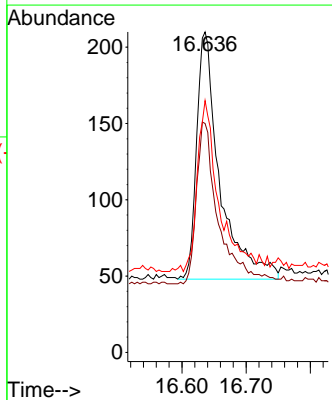
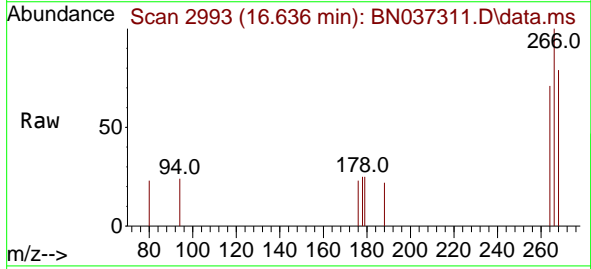
Instrument : BNA_N
 ClientSampleId : SSTD0.4270

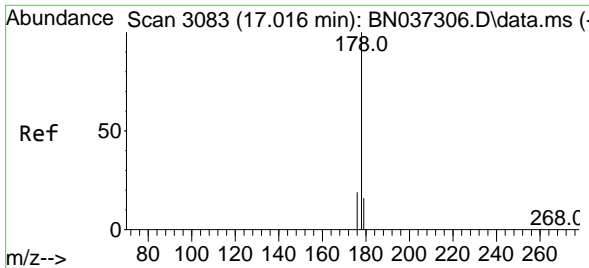
Tgt Ion	Resp	Lower	Upper
166	1805		
166	100		
165	97.2	79.8	119.6
167	17.4	13.0	19.6



#14
 Pentachlorophenol
 Concen: 0.409 ng/u1
 RT: 16.636 min Scan# 2993
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion	Resp	Lower	Upper
266	407		
266	100		
264	62.4	50.5	75.7
268	64.1	51.9	77.9

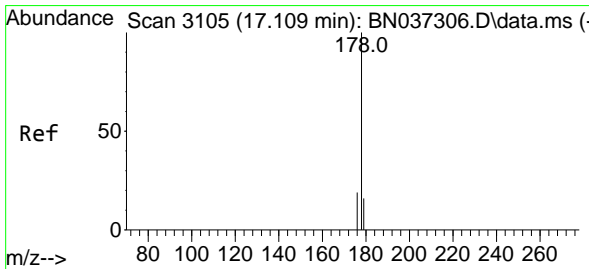
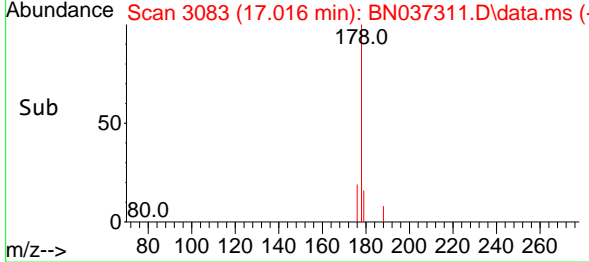
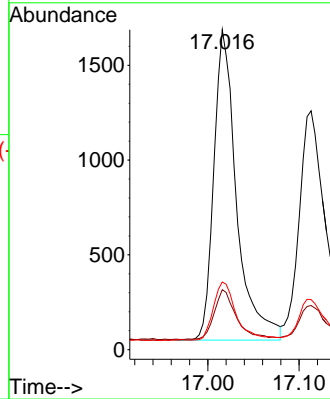
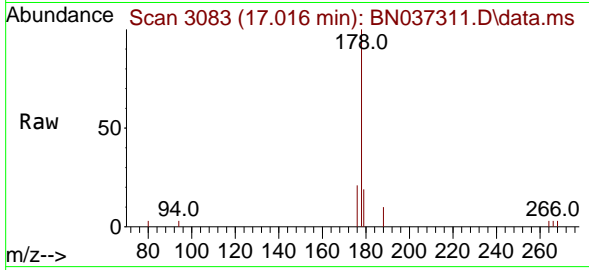




#15
 Phenanthrene
 Concen: 0.362 ng/u1
 RT: 17.016 min Scan# 3083
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

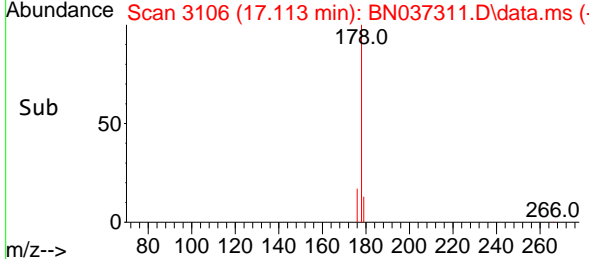
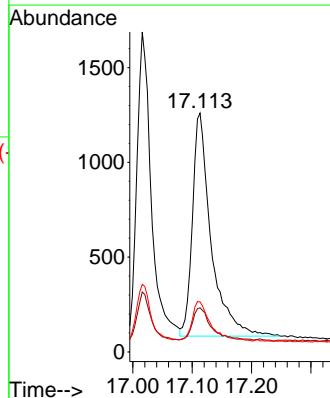
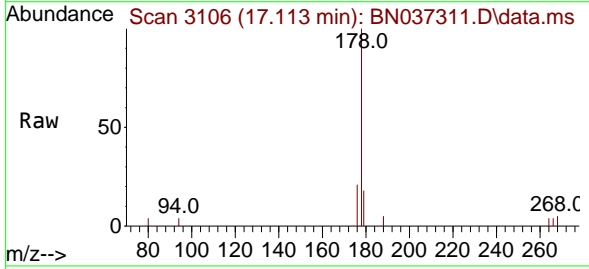
Instrument : BNA_N
 ClientSampleId : SSTD0.4270

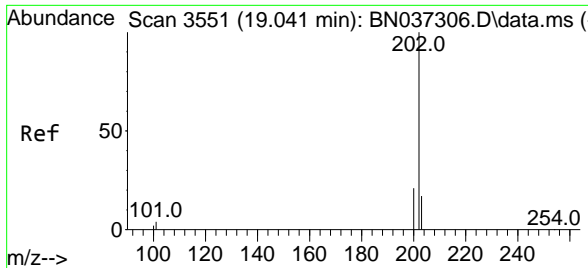
Tgt Ion	Resp	Lower	Upper
178	100		
179	18.7	13.7	20.5
176	21.1	16.6	24.8



#16
 Anthracene
 Concen: 0.361 ng/u1
 RT: 17.113 min Scan# 3106
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion	Resp	Lower	Upper
178	100		
179	18.5	13.8	20.8
176	21.0	16.8	25.2

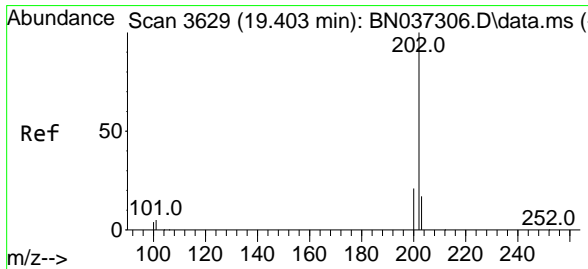
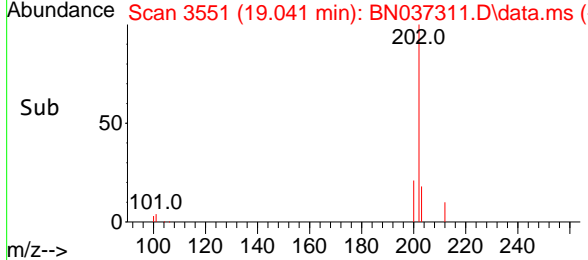
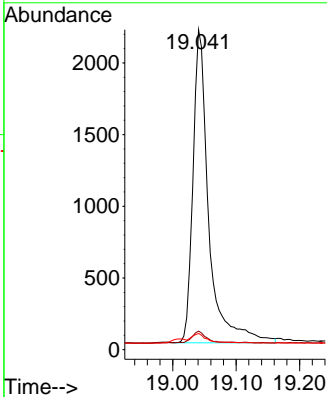
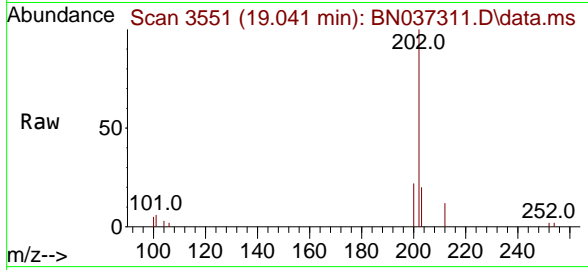




#19
 Fluoranthene
 Concen: 0.364 ng/u1
 RT: 19.041 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

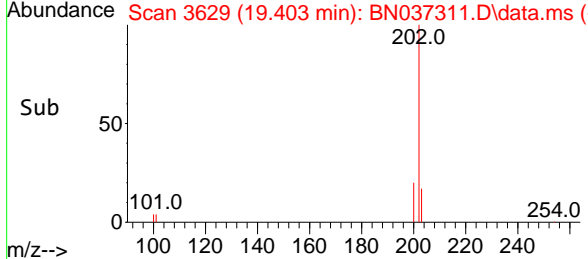
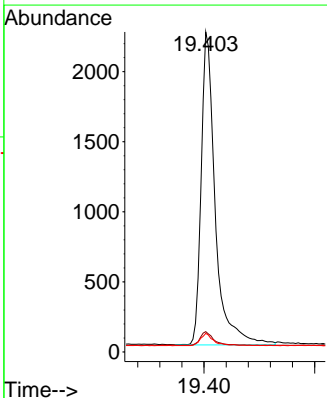
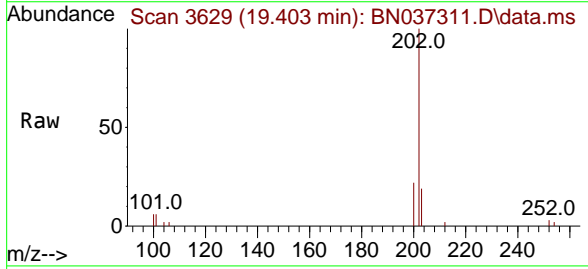
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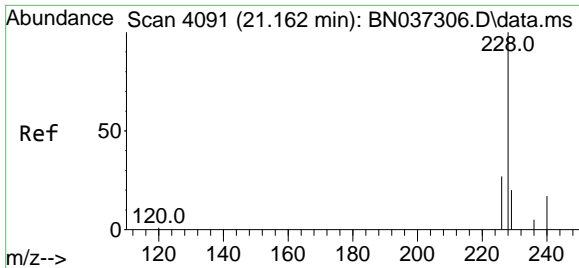
Tgt Ion	Resp	Lower	Upper
202	100		
101	5.8	4.3	6.5
100	5.1	3.6	5.4



#20
 Pyrene
 Concen: 0.377 ng/u1
 RT: 19.403 min Scan# 3629
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

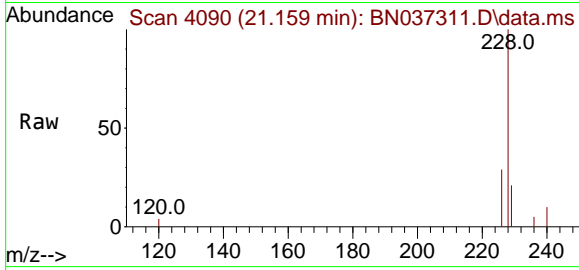
Tgt Ion	Resp	Lower	Upper
202	100		
101	6.4	4.8	7.2
100	5.8	4.2	6.2





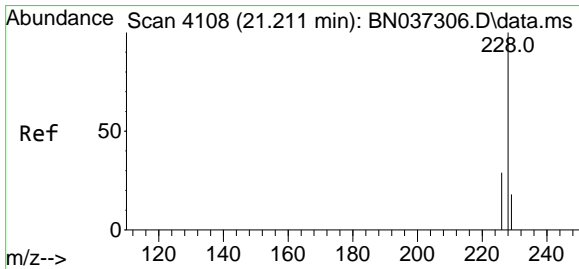
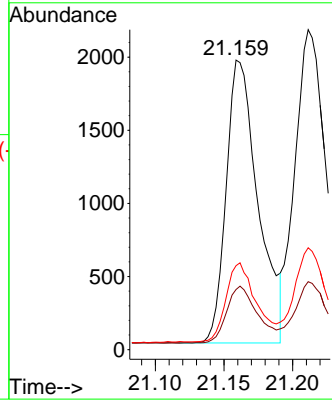
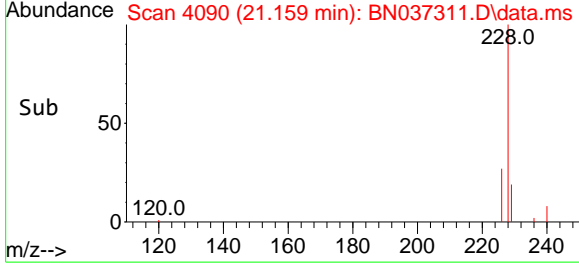
#21
 Benzo(a)anthracene
 Concen: 0.357 ng/u1
 RT: 21.159 min Scan# 4090
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Instrument : BNA_N
 ClientSampleId : SSTD0.4270

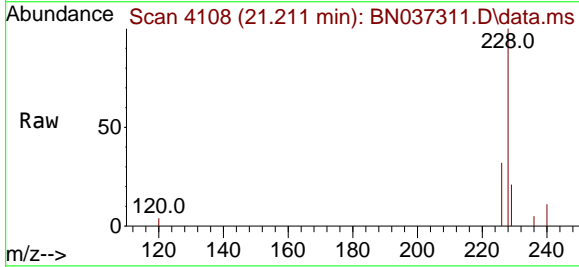


Tgt Ion:228 Resp: 3137

Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.1	24.1
226	29.0	22.2	33.4

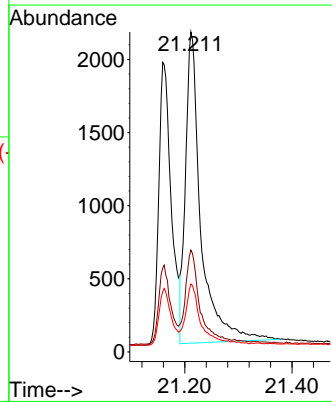
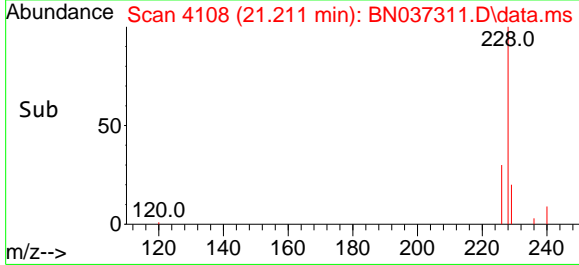


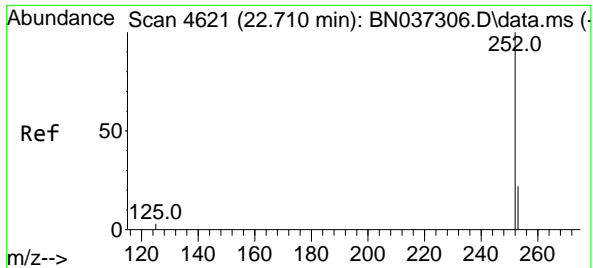
#22
 Chrysene
 Concen: 0.379 ng/u1
 RT: 21.211 min Scan# 4108
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32



Tgt Ion:228 Resp: 4231

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.6	36.8
229	21.3	16.0	24.0

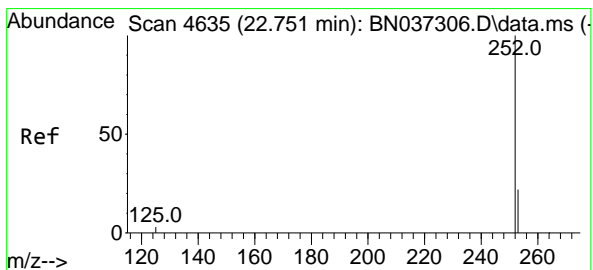
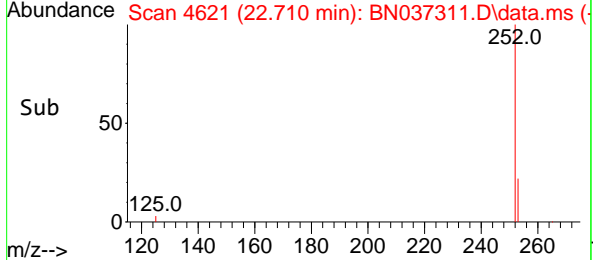
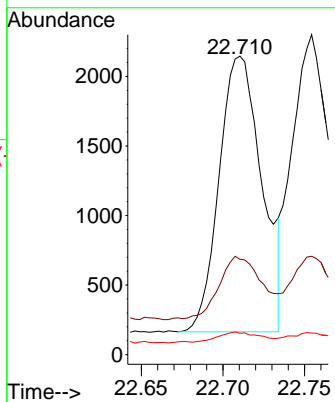
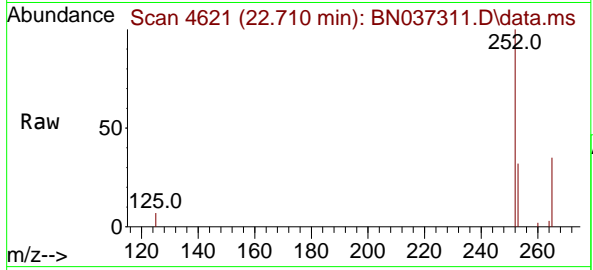




#24
 Benzo(b)fluoranthene
 Concen: 0.358 ng/u1
 RT: 22.710 min Scan# 4621
 Delta R.T. 0.003 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

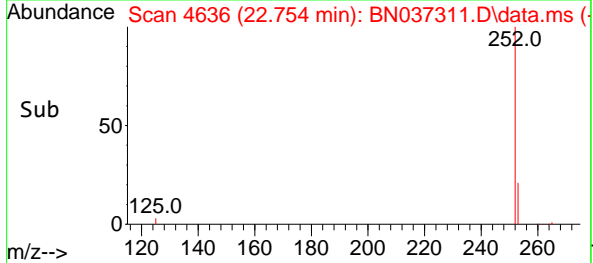
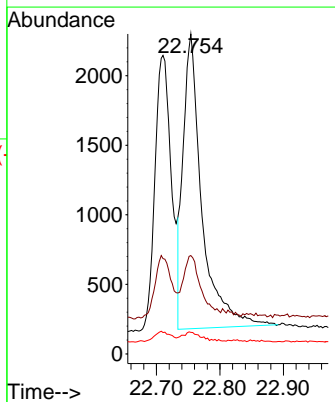
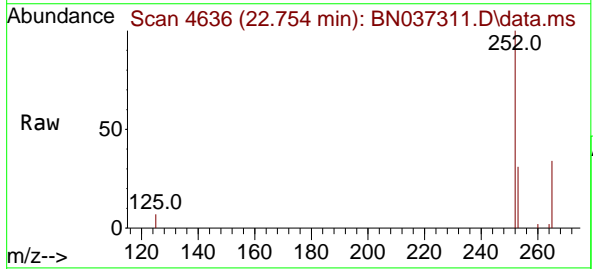
Instrument : BNA_N
 ClientSampleId : SSTD0.4270

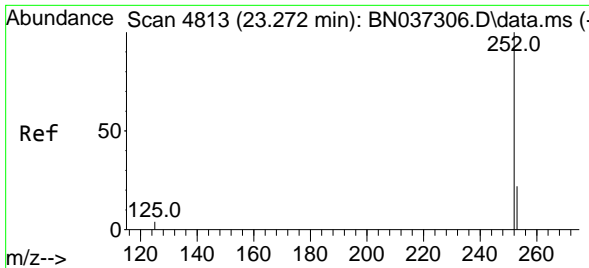
Tgt Ion	Resp	Lower	Upper
252	100		
253	32.0	0.0	60.2
125	7.2	0.0	16.2



#25
 Benzo(k)fluoranthene
 Concen: 0.362 ng/u1
 RT: 22.754 min Scan# 4636
 Delta R.T. 0.003 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion	Resp	Lower	Upper
252	100		
253	30.7	24.0	36.0
125	6.7	5.9	8.9



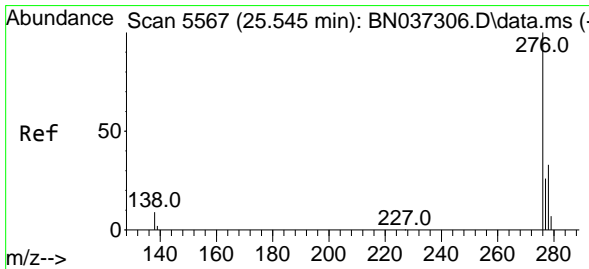
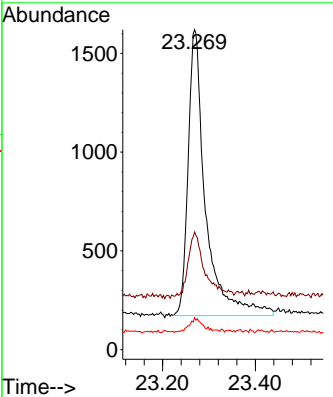
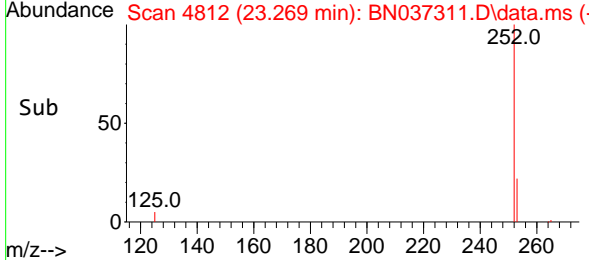
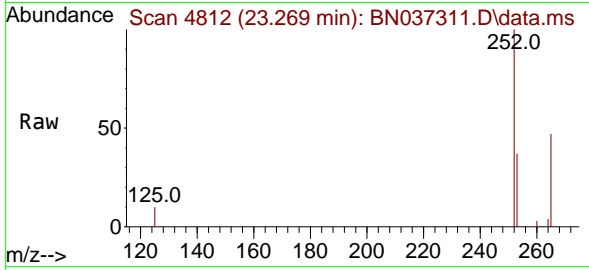


#26
 Benzo(a)pyrene
 Concen: 0.370 ng/u1
 RT: 23.269 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Instrument : BNA_N
 ClientSampleId : SSTD0.4270

Tgt Ion:252 Resp: 3777

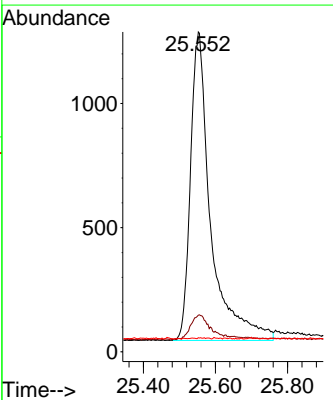
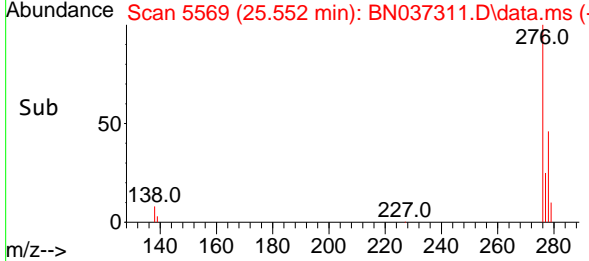
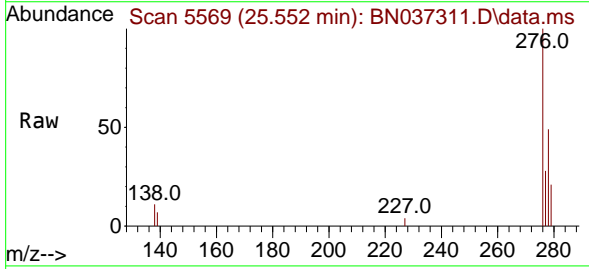
Ion	Ratio	Lower	Upper
252	100		
253	36.8	27.4	41.2
125	10.0	8.6	13.0

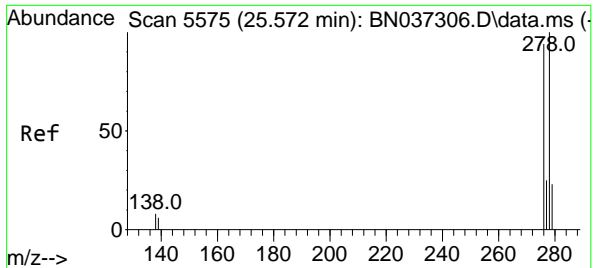


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.386 ng/u1
 RT: 25.552 min Scan# 5569
 Delta R.T. 0.007 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion:276 Resp: 4840

Ion	Ratio	Lower	Upper
276	100		
138	8.5	7.5	11.3
227	0.1	0.1	0.1



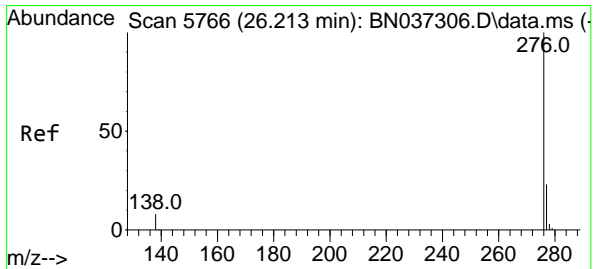
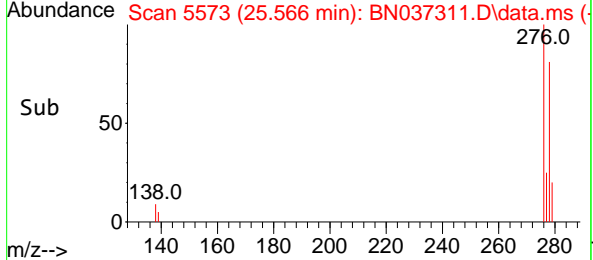
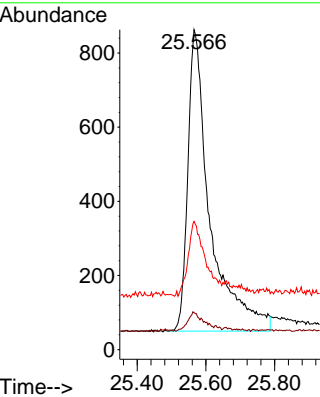
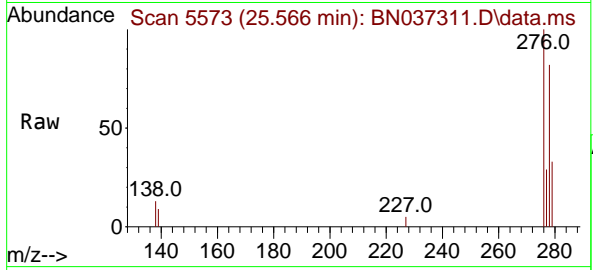


#28
 Dibenzo(a,h)anthracene
 Concen: 0.376 ng/ul
 RT: 25.566 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Instrument : BNA_N
 ClientSampleId : SSTD0.4270

Tgt Ion:278 Resp: 3626

Ion	Ratio	Lower	Upper
278	100		
139	11.6	8.6	12.8
279	40.1	30.6	46.0



#29
 Benzo(g,h,i)perylene
 Concen: 0.367 ng/ul
 RT: 26.216 min Scan# 5767
 Delta R.T. 0.003 min
 Lab File: BN037311.D
 Acq: 18 Jun 2025 12:32

Tgt Ion:276 Resp: 3961

Ion	Ratio	Lower	Upper
276	100		
138	11.3	9.4	14.2
277	26.4	21.6	32.4

