

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070925\
 Data File : BN037443.D
 Acq On : 09 Jul 2025 17:36
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 10 00:27:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 10 00:27:21 2025
 Response via : Initial Calibration

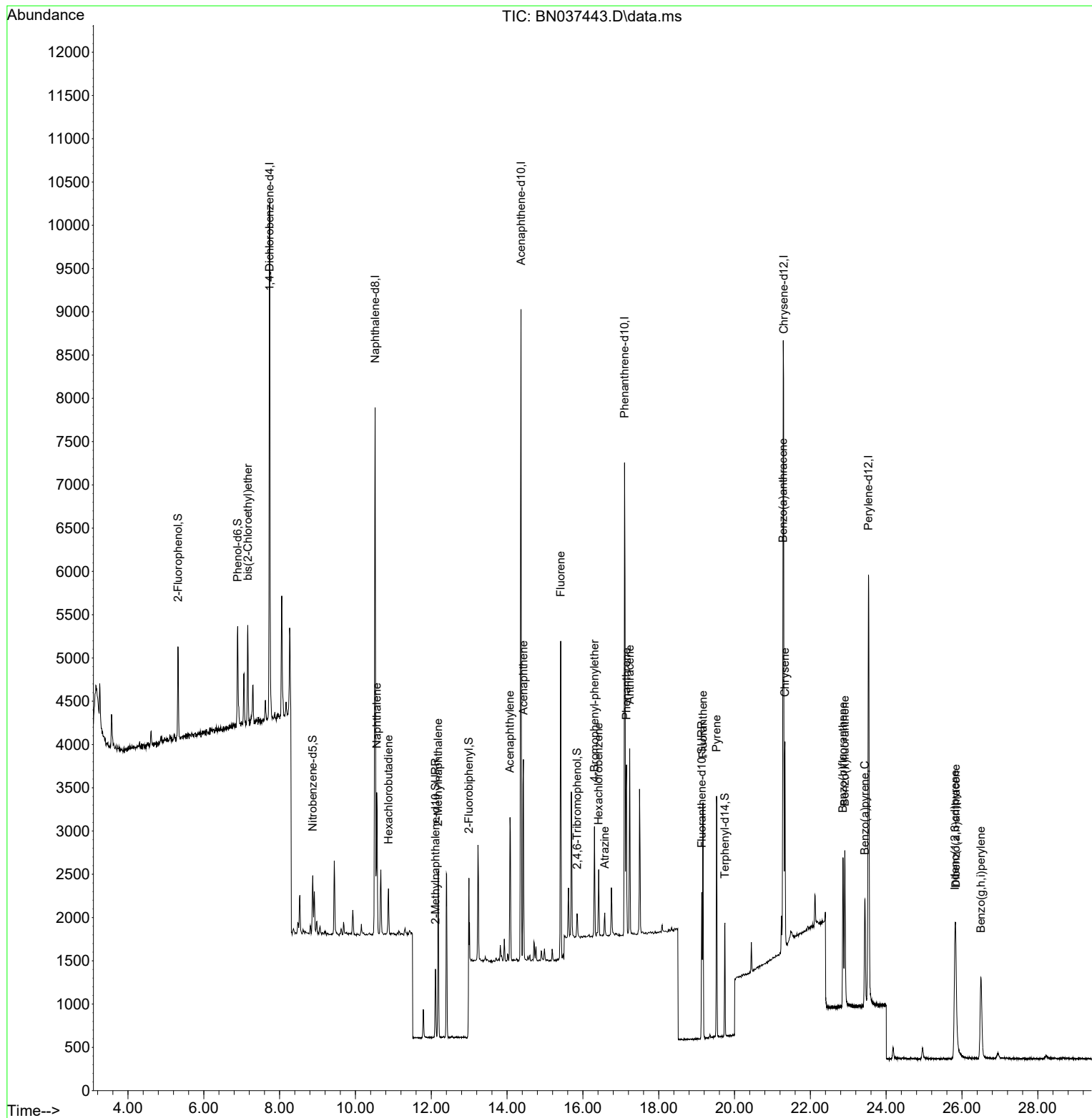
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	3016	0.400	ng	0.00
7) Naphthalene-d8	10.519	136	7866	0.400	ng	# 0.00
13) Acenaphthene-d10	14.366	164	4080	0.400	ng	# 0.00
19) Phenanthrene-d10	17.099	188	7362	0.400	ng	#-0.01
29) Chrysene-d12	21.295	240	5903	0.400	ng	# 0.00
35) Perylene-d12	23.534	264	6458	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	875	0.169	ng	0.00
5) Phenol-d6	6.894	99	1075	0.145	ng	0.00
8) Nitrobenzene-d5	8.875	82	516	0.074	ng	0.00
11) 2-Methylnaphthalene-d10	12.111	152	1062	0.104	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	171	0.254	ng	-0.01
15) 2-Fluorobiphenyl	12.993	172	2288	0.098	ng	0.00
27) Fluoranthene-d10	19.136	212	1787	0.095	ng	0.00
31) Terphenyl-d14	19.745	244	1233	0.097	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.161	93	835	0.110	ng	91
9) Naphthalene	10.562	128	2139	0.097	ng	# 91
10) Hexachlorobutadiene	10.872	225	424	0.096	ng	# 100
12) 2-Methylnaphthalene	12.182	142	1349	0.101	ng	97
16) Acenaphthylene	14.077	152	1907	0.092	ng	99
17) Acenaphthene	14.430	154	1206	0.091	ng	93
18) Fluorene	15.414	166	1496	0.089	ng	96
21) 4-Bromophenyl-phenylether	16.304	248	477	0.100	ng	# 80
22) Hexachlorobenzene	16.416	284	577	0.097	ng	# 89
23) Atrazine	16.578	200	223	0.169	ng	# 89
25) Phenanthrene	17.148	178	2163	0.088	ng	98
26) Anthracene	17.235	178	2041	0.093	ng	99
28) Fluoranthene	19.169	202	2379	0.090	ng	99
30) Pyrene	19.527	202	2438	0.091	ng	99
32) Benzo(a)anthracene	21.277	228	2122	0.103	ng	98
33) Chrysene	21.331	228	2075	0.092	ng	97
36) Indeno(1,2,3-cd)pyrene	25.811	276	2240	0.091	ng	97
37) Benzo(b)fluoranthene	22.861	252	2210	0.081	ng	# 87
38) Benzo(k)fluoranthene	22.908	252	2131	0.077	ng	# 85
39) Benzo(a)pyrene	23.440	252	1790	0.086	ng	# 84
40) Dibenzo(a,h)anthracene	25.835	278	1782	0.098	ng	# 89
41) Benzo(g,h,i)perylene	26.498	276	1973	0.091	ng	# 91

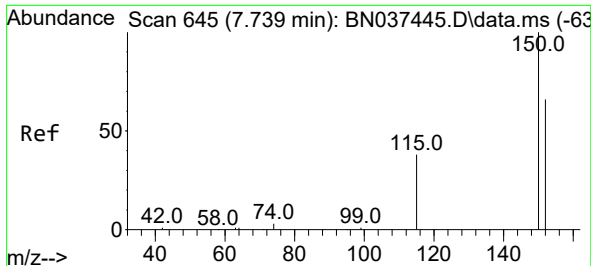
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070925\
Data File : BN037443.D
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Misc :
ALS Vial : 2 Sample Multiplier: 1

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BNA_N
ClientSampleId :
SSTDICC0.1

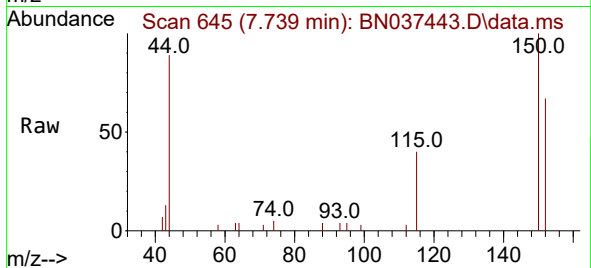
Quant Time: Jul 10 00:27:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:27:21 2025
Response via : Initial Calibration



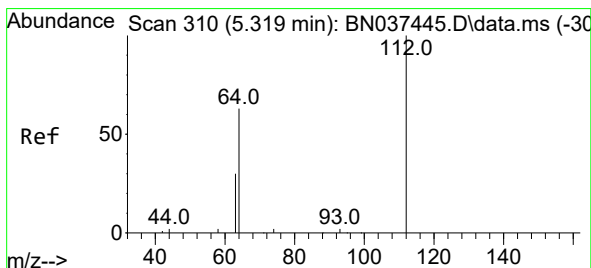
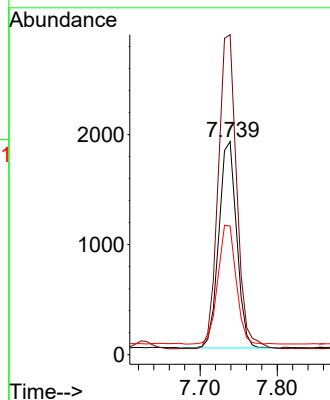
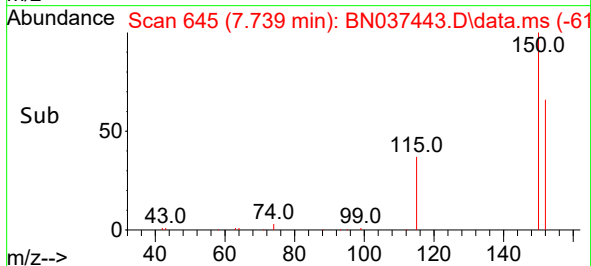


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.739 min Scan# 645
Delta R.T. -0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

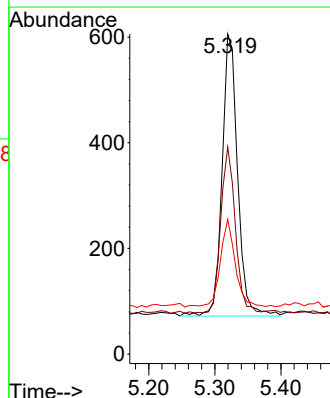
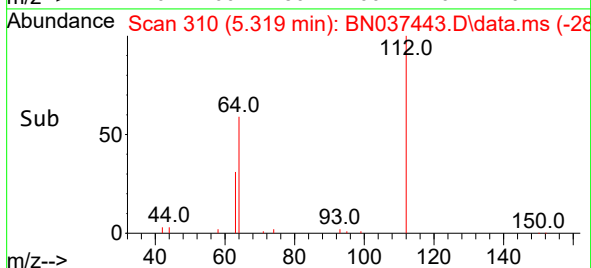
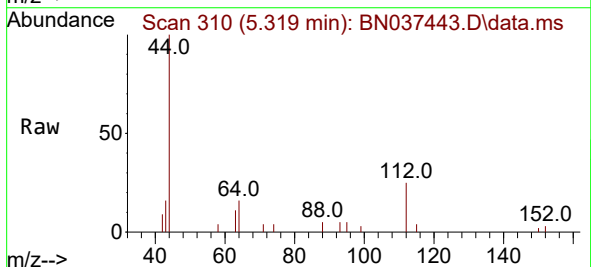


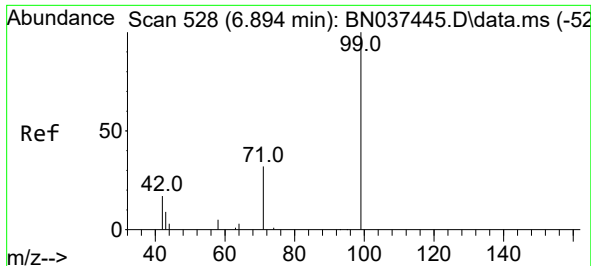
Tgt Ion:152 Resp: 3016
Ion Ratio Lower Upper
152 100
150 150.1 124.6 186.8
115 60.4 50.4 75.6



#4
2-Fluorophenol
Concen: 0.169 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.007 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

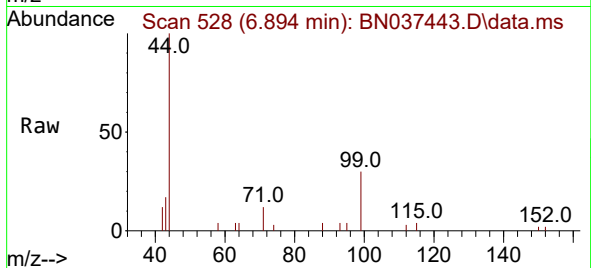
Tgt Ion:112 Resp: 875
Ion Ratio Lower Upper
112 100
64 55.1 49.4 74.2
63 29.1 27.2 40.8



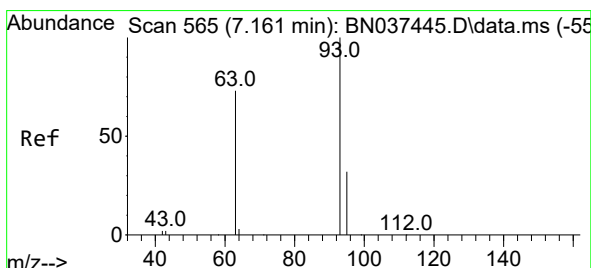
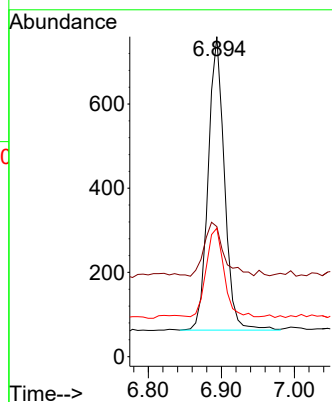
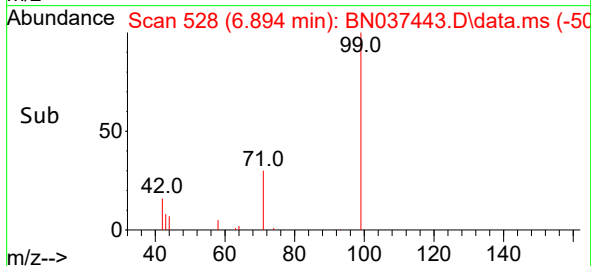


#5
Phenol-d6
Concen: 0.145 ng
RT: 6.894 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

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SSTDICC0.1

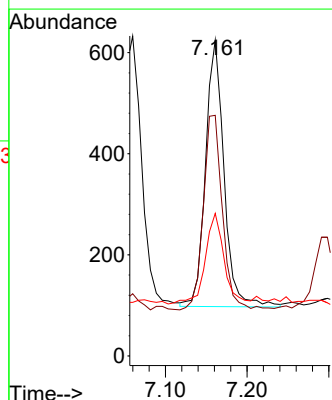
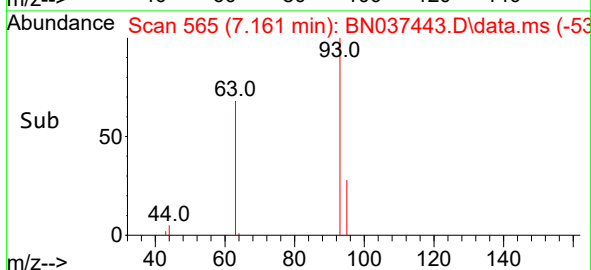
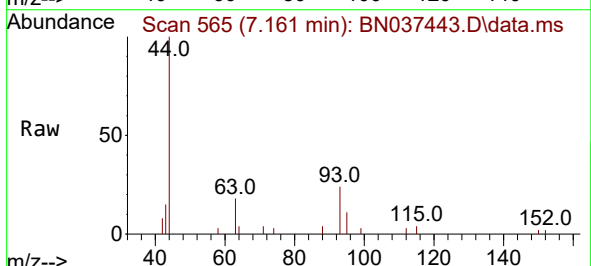


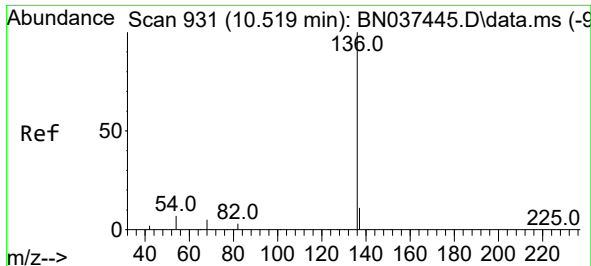
Tgt Ion: 99 Resp: 1075
Ion Ratio Lower Upper
99 100
42 22.1 22.5 33.7#
71 33.0 27.8 41.6



#6
bis(2-Chloroethyl)ether
Concen: 0.110 ng
RT: 7.161 min Scan# 565
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion: 93 Resp: 835
Ion Ratio Lower Upper
93 100
63 75.9 69.0 103.6
95 34.3 26.3 39.5

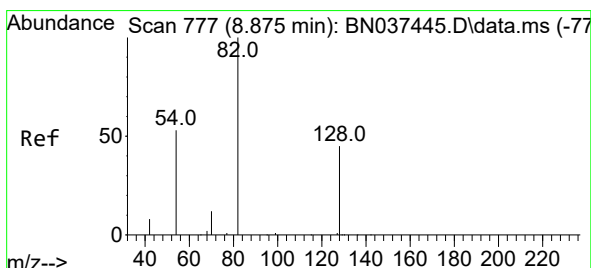
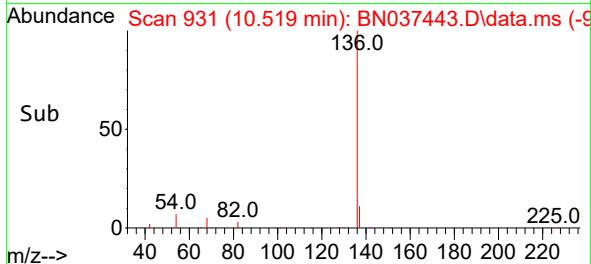
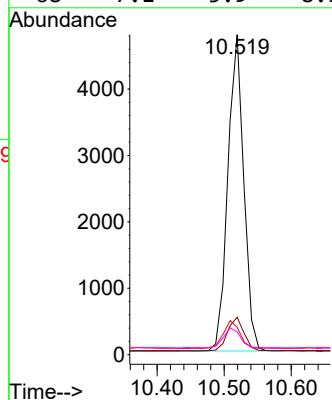
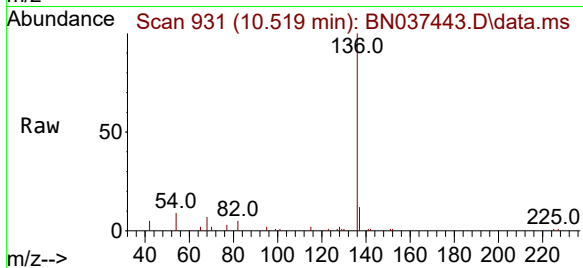




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.519 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

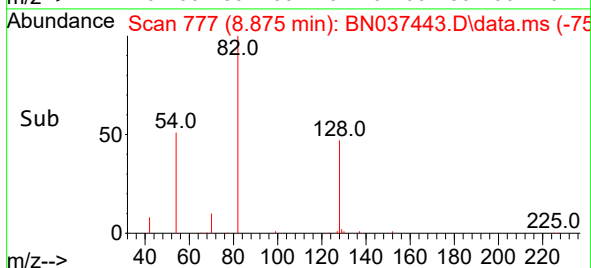
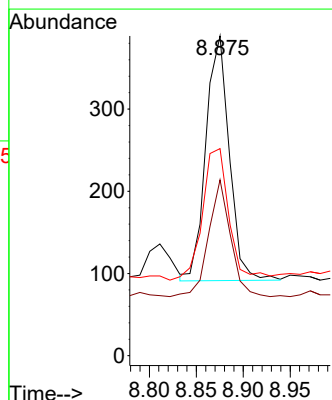
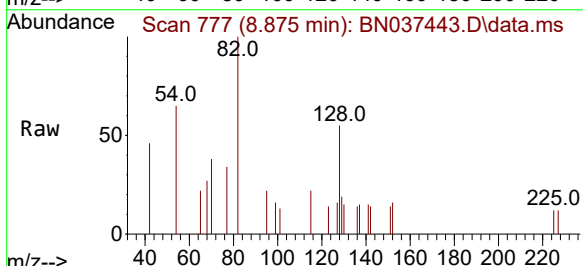
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

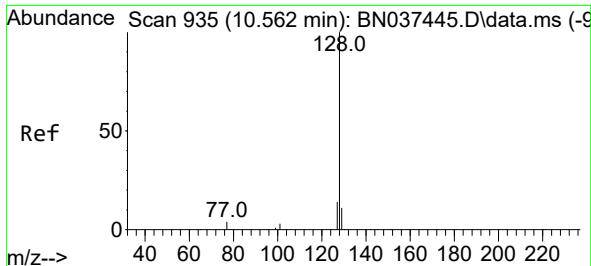
Tgt Ion:	136	Resp:	7866
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	8.5	8.8	13.2#
68	7.1	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.074 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:	82	Resp:	516
Ion	Ratio	Lower	Upper
82	100		
128	55.0	31.4	47.0#
54	64.8	51.3	76.9

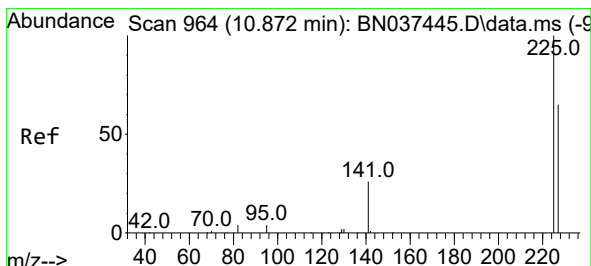
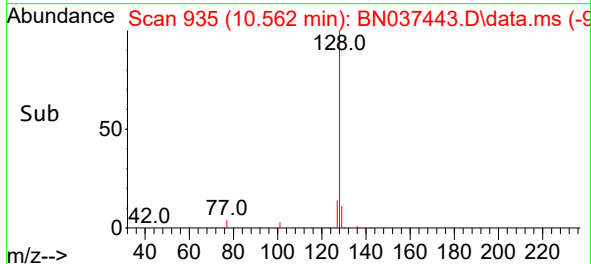
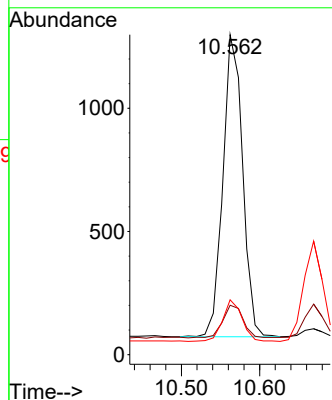
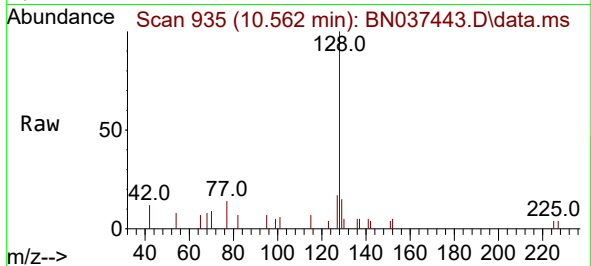




#9
Naphthalene
Concen: 0.097 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

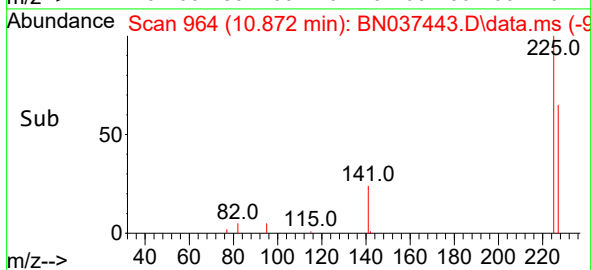
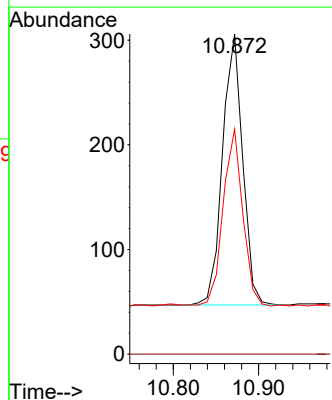
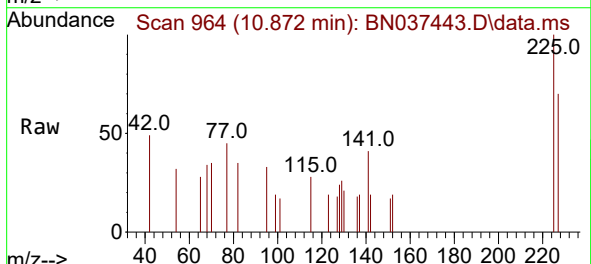
Instrument :
BNA_N
ClientSampleId :
SSTDIC0.1

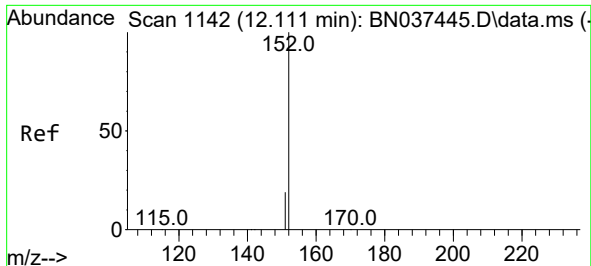
Tgt Ion:128 Resp: 2139
Ion Ratio Lower Upper
128 100
129 15.5 9.3 13.9#
127 17.2 11.1 16.7#



#10
Hexachlorobutadiene
Concen: 0.096 ng
RT: 10.872 min Scan# 964
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:225 Resp: 424
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 51.0 76.6

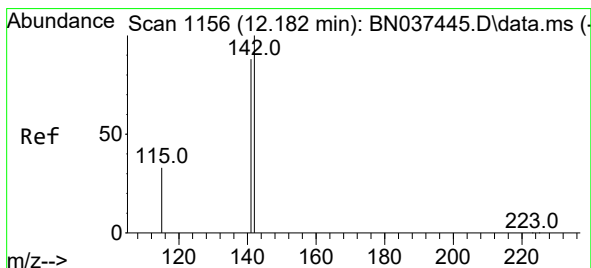
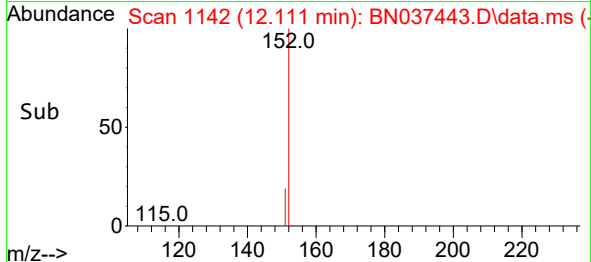
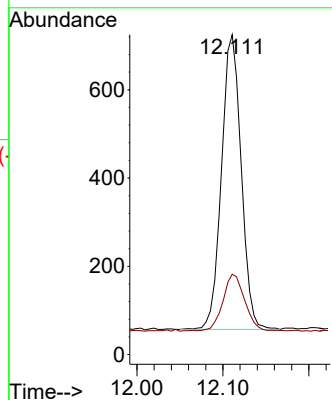
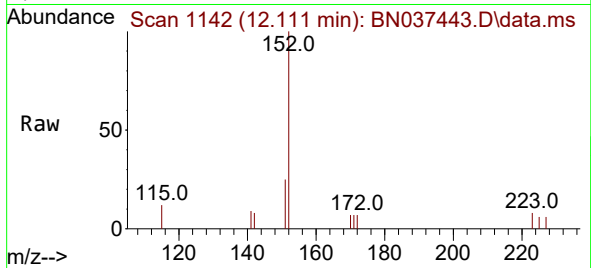




#11
2-Methylnaphthalene-d10
Concen: 0.104 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

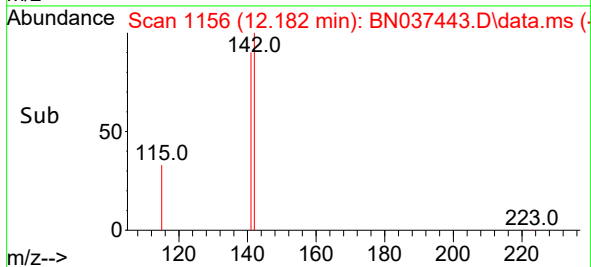
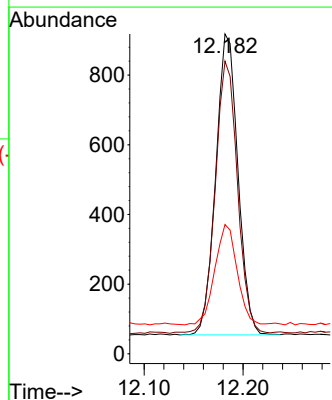
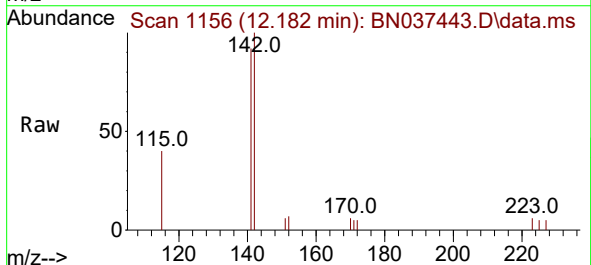
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

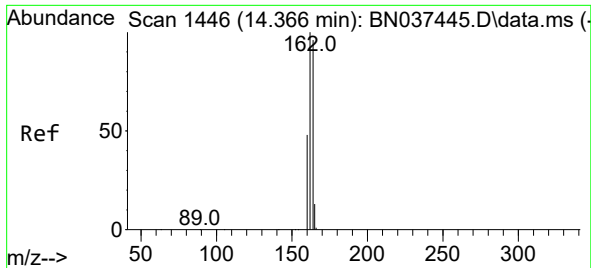
Tgt Ion:152 Resp: 1062
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:142 Resp: 1349
Ion Ratio Lower Upper
142 100
141 91.5 70.5 105.7
115 40.4 31.3 46.9

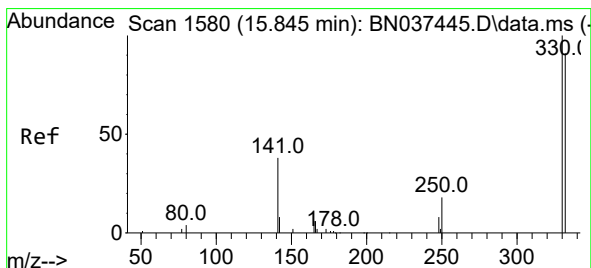
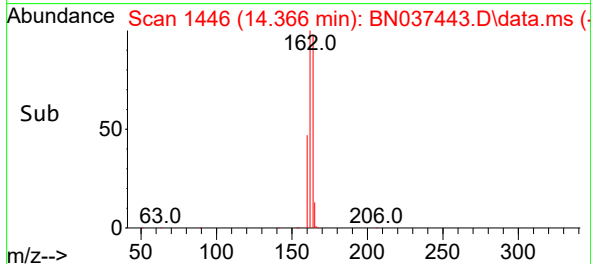
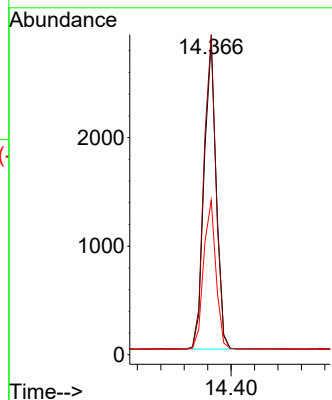
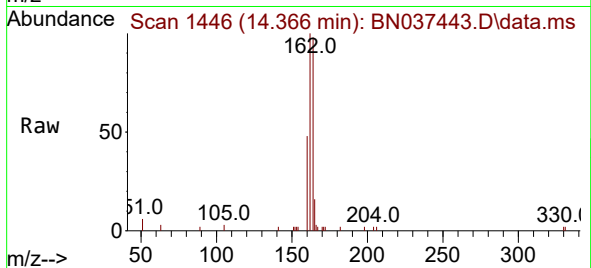




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.366 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

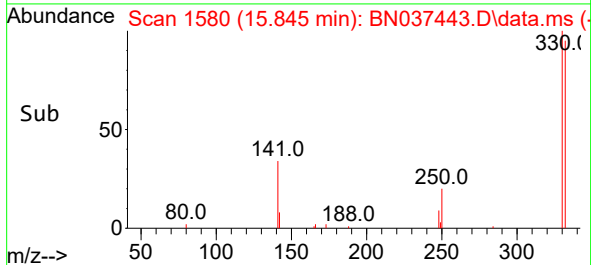
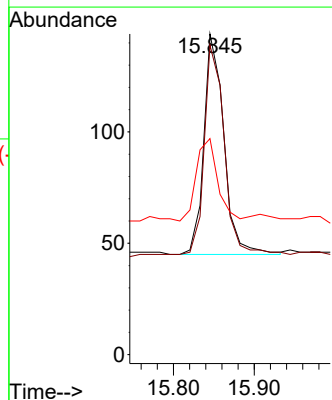
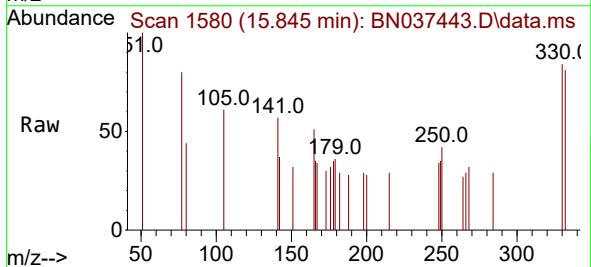
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BNA_N
ClientSampleId :
SSTDICC0.1

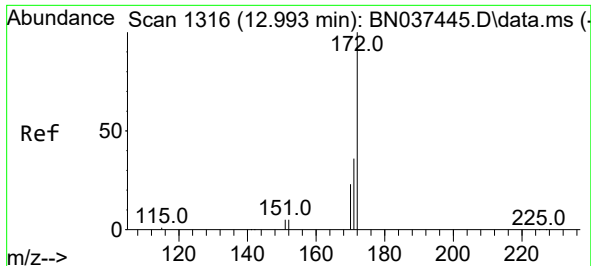
Tgt Ion:164 Resp: 4080
Ion Ratio Lower Upper
164 100
162 102.2 82.7 124.1
160 49.3 55.0 82.4#



#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:330 Resp: 171
Ion Ratio Lower Upper
330 100
332 93.6 75.3 112.9
141 39.8 38.7 58.1

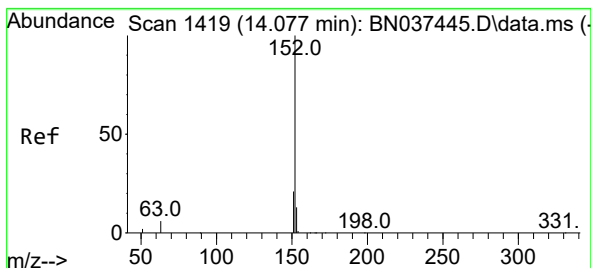
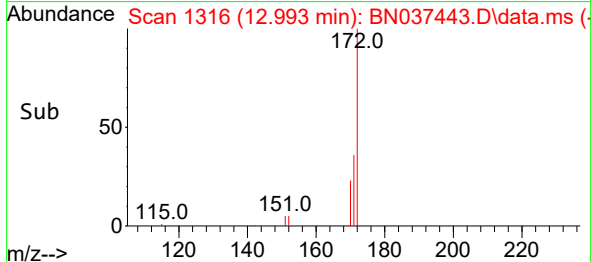
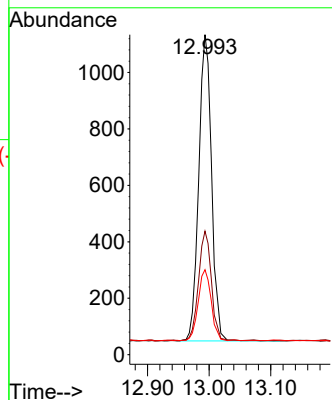
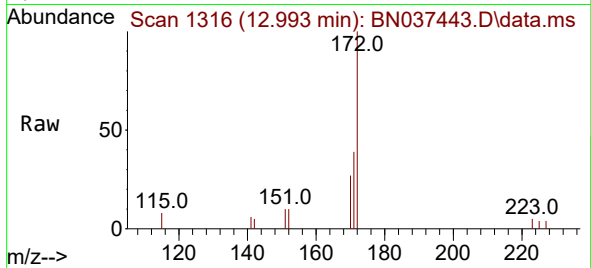




#15
2-Fluorobiphenyl
Concen: 0.098 ng
RT: 12.993 min Scan# 1316
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

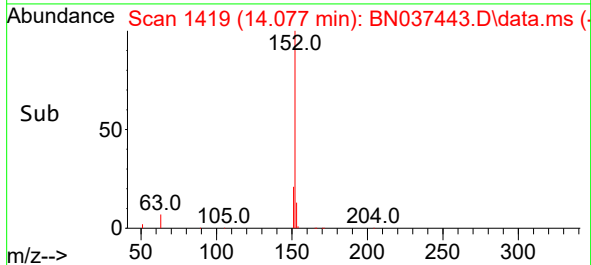
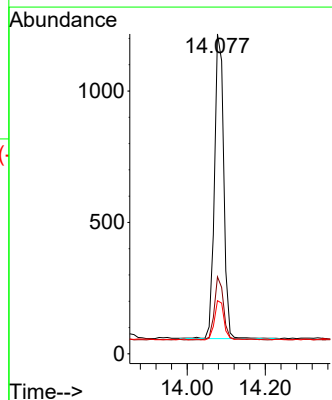
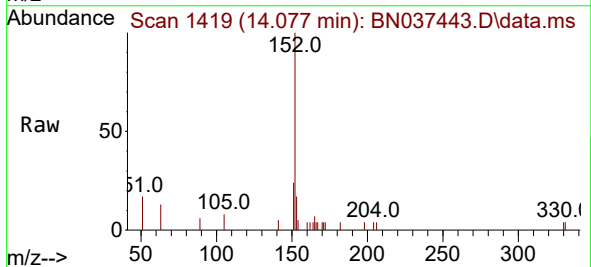
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

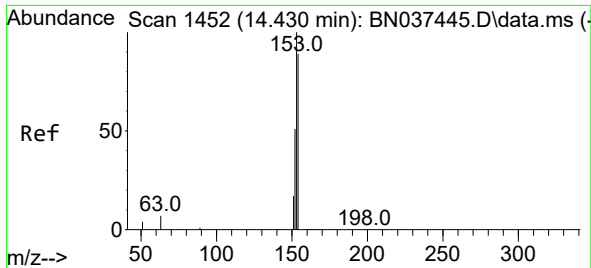
Tgt Ion:172 Resp: 2288
Ion Ratio Lower Upper
172 100
171 38.6 28.4 42.6
170 26.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.011 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:152 Resp: 1907
Ion Ratio Lower Upper
152 100
151 21.0 16.1 24.1
153 13.4 10.6 16.0

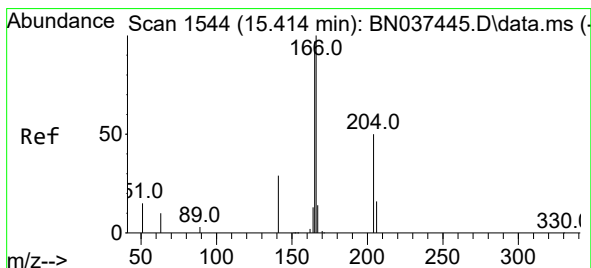
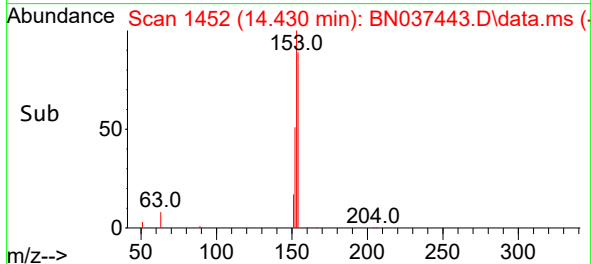
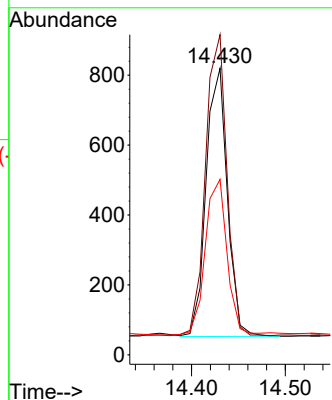
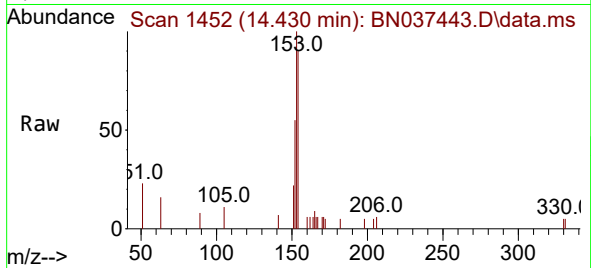




#17
Acenaphthene
Concen: 0.091 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

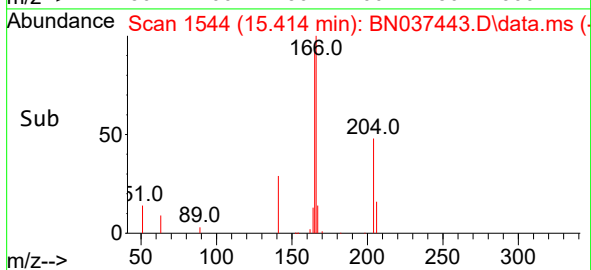
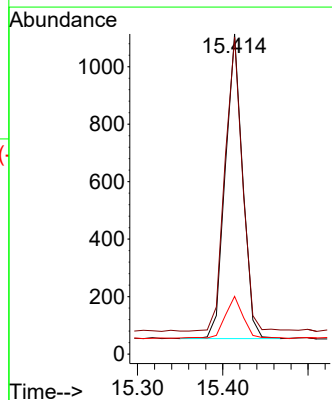
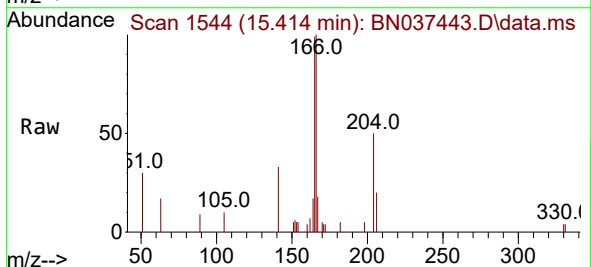
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

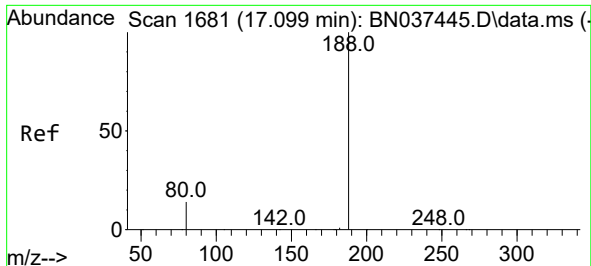
Tgt Ion:154 Resp: 1206
Ion Ratio Lower Upper
154 100
153 114.6 90.7 136.1
152 59.3 58.9 88.3



#18
Fluorene
Concen: 0.089 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:166 Resp: 1496
Ion Ratio Lower Upper
166 100
165 98.1 81.8 122.8
167 14.9 11.3 16.9

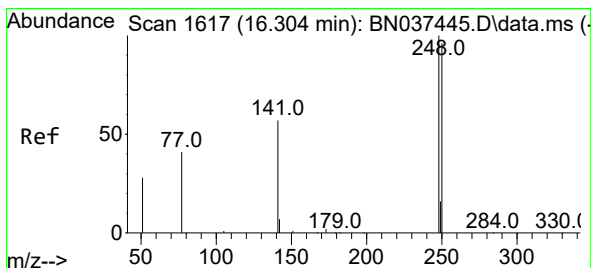
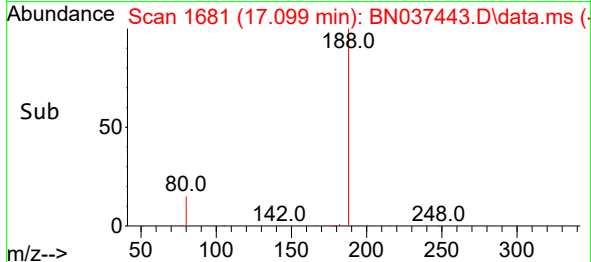
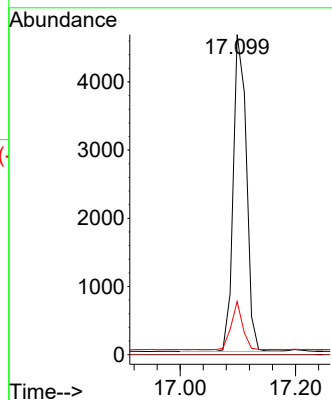
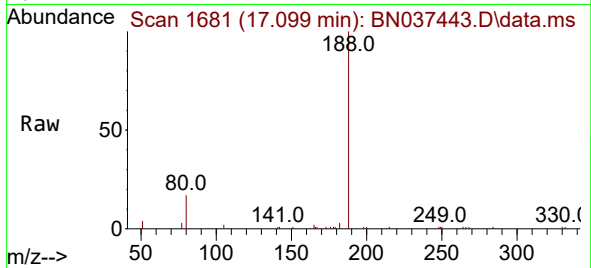




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

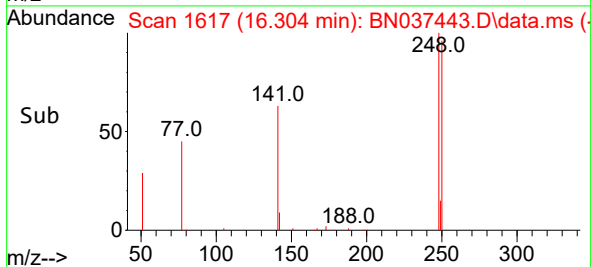
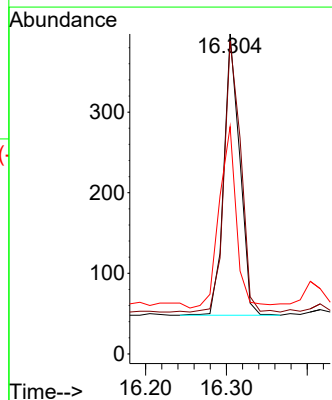
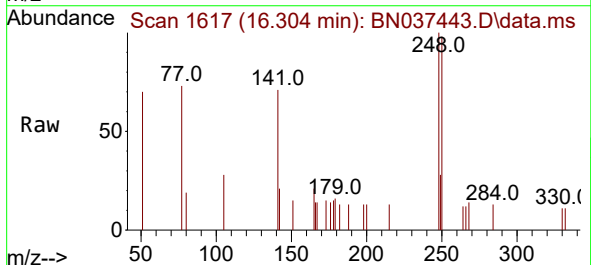
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

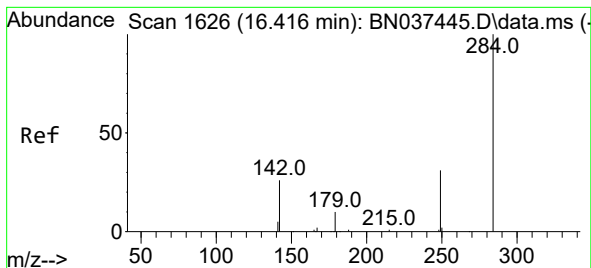
Tgt Ion:188 Resp: 7362
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.6 7.8 11.6#



#21
4-Bromophenyl-phenylether
Concen: 0.100 ng
RT: 16.304 min Scan# 1617
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:248 Resp: 477
Ion Ratio Lower Upper
248 100
250 97.7 83.9 125.9
141 71.0 29.4 44.0#





#22

Hexachlorobenzene

Concen: 0.097 ng

RT: 16.416 min Scan# 1626

Delta R.T. 0.000 min

Lab File: BN037443.D

Acq: 09 Jul 2025 17:36

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

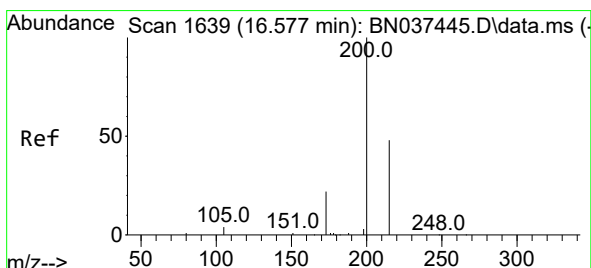
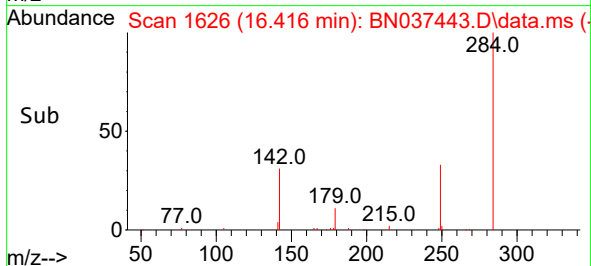
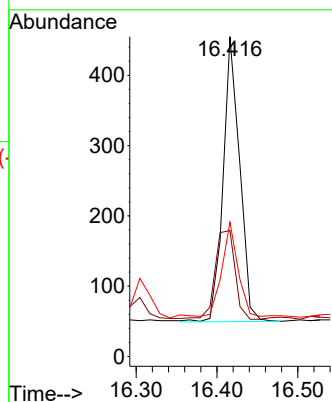
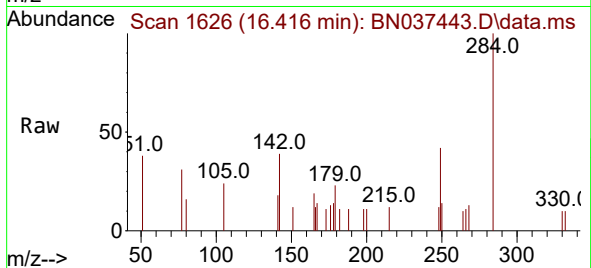
Tgt Ion:284 Resp: 577

Ion Ratio Lower Upper

284 100

142 37.1 38.9 58.3#

249 33.1 27.3 40.9



#23

Atrazine

Concen: 0.169 ng

RT: 16.578 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BN037443.D

Acq: 09 Jul 2025 17:36

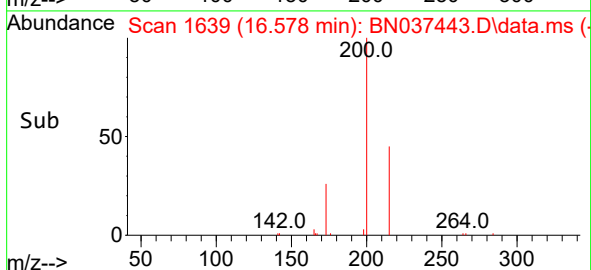
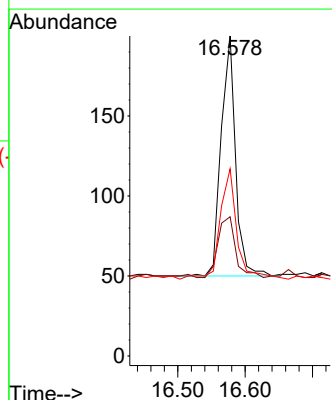
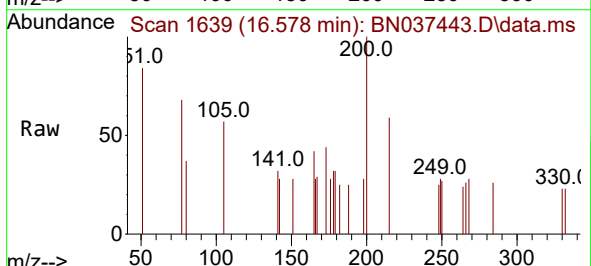
Tgt Ion:200 Resp: 223

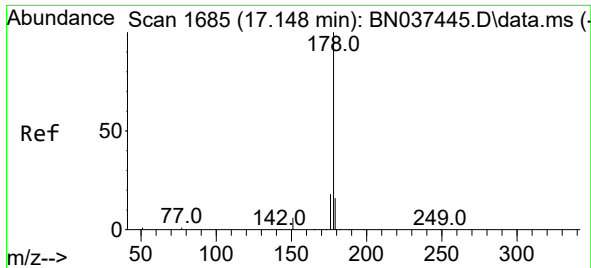
Ion Ratio Lower Upper

200 100

173 43.5 28.4 42.6#

215 58.5 42.0 63.0

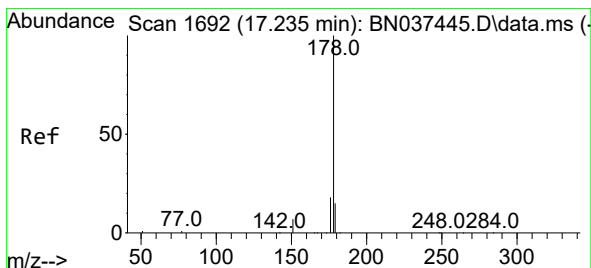
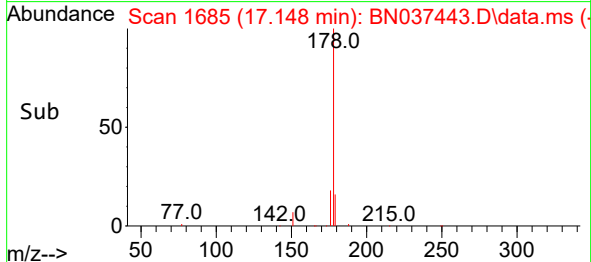
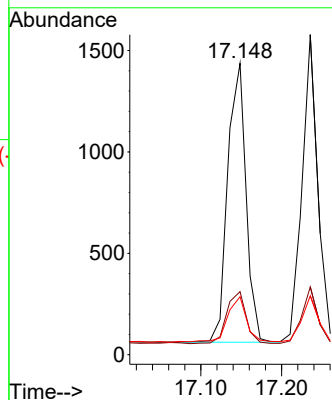
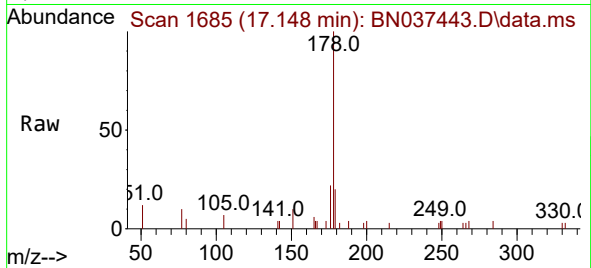




#25
Phenanthrene
Concen: 0.088 ng
RT: 17.148 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

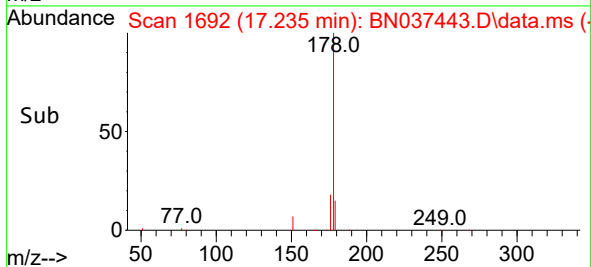
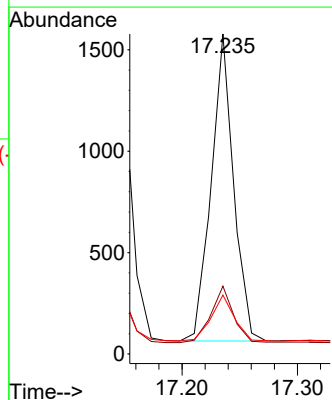
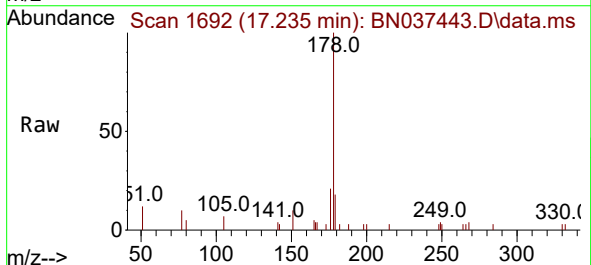
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

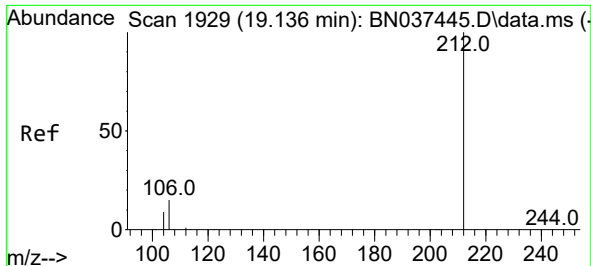
Tgt Ion:178 Resp: 2163
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 17.0 12.2 18.4



#26
Anthracene
Concen: 0.093 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:178 Resp: 2041
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.6 12.1 18.1

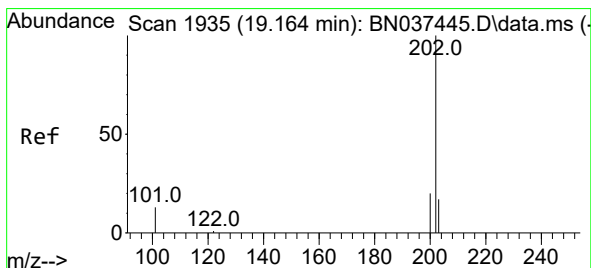
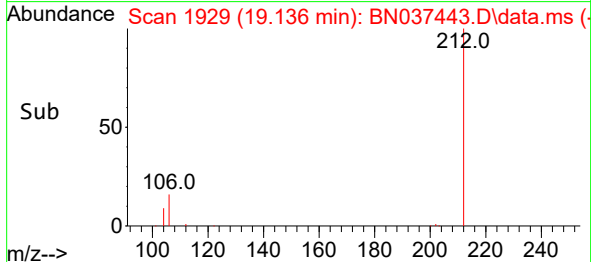
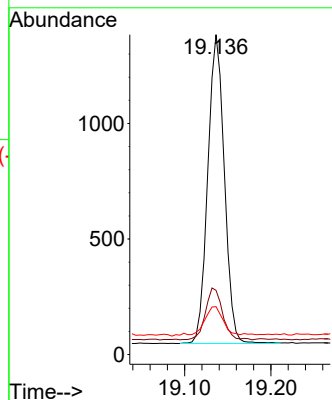
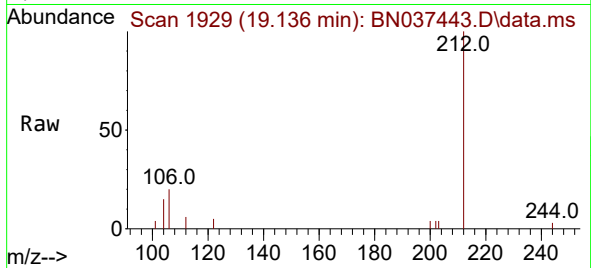




#27
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.136 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

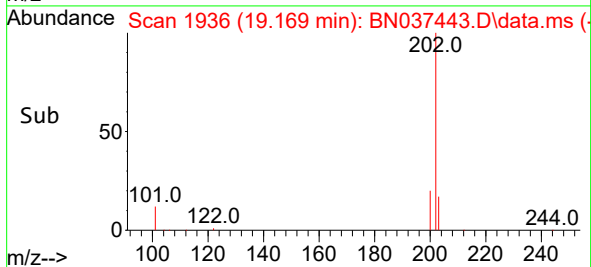
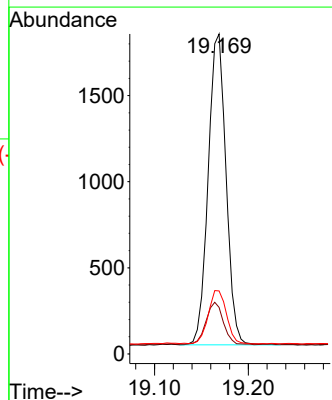
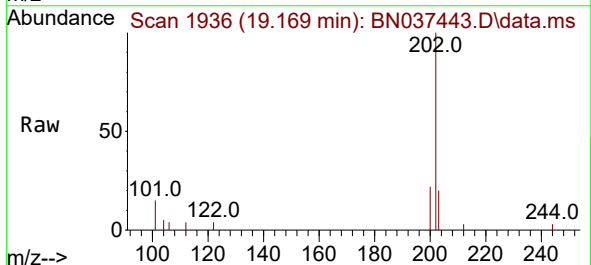
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

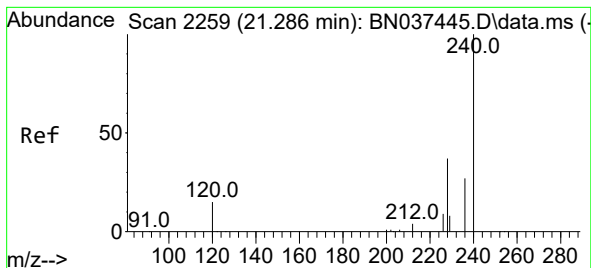
Tgt Ion:212 Resp: 1787
Ion Ratio Lower Upper
212 100
106 17.1 13.4 20.0
104 11.1 7.8 11.6



#28
Fluoranthene
Concen: 0.090 ng
RT: 19.169 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:202 Resp: 2379
Ion Ratio Lower Upper
202 100
101 13.4 10.2 15.2
203 17.6 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.295 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037443.D

Acq: 09 Jul 2025 17:36

Instrument :

BNA_N

ClientSampleId :

SSTDIC0.1

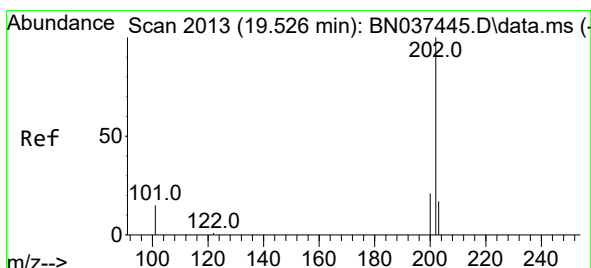
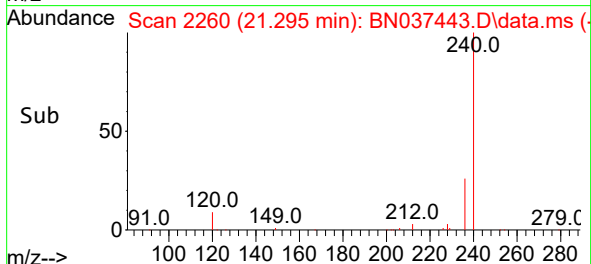
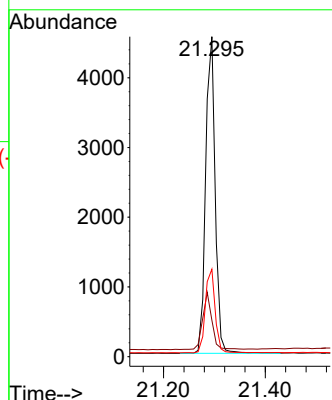
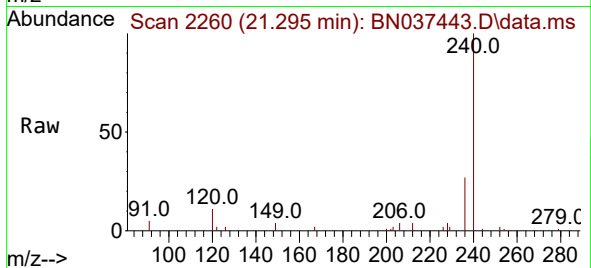
Tgt Ion:240 Resp: 5903

Ion Ratio Lower Upper

240 100

120 11.4 16.4 24.6#

236 27.3 23.3 34.9



#30

Pyrene

Concen: 0.091 ng

RT: 19.527 min Scan# 2013

Delta R.T. -0.005 min

Lab File: BN037443.D

Acq: 09 Jul 2025 17:36

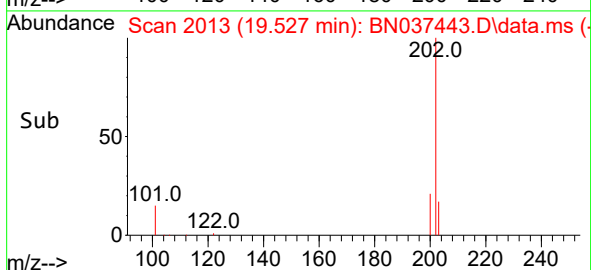
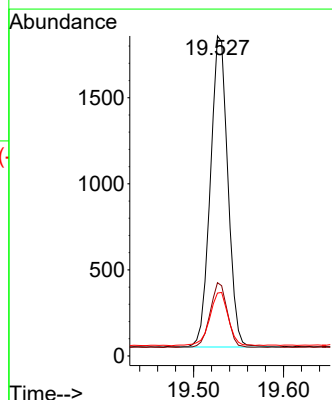
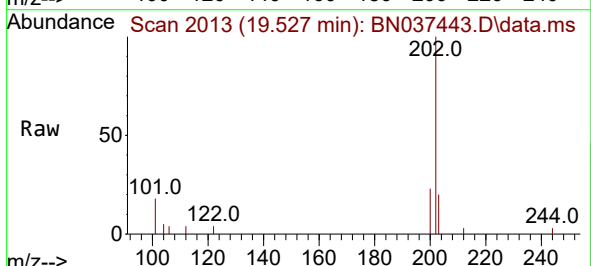
Tgt Ion:202 Resp: 2438

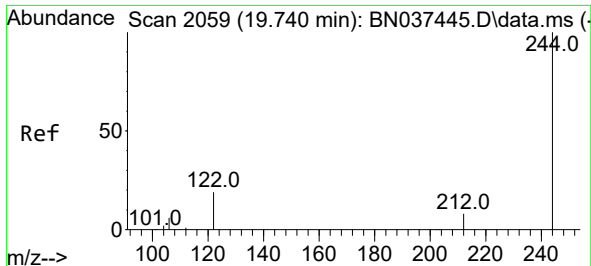
Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 18.4 14.2 21.4

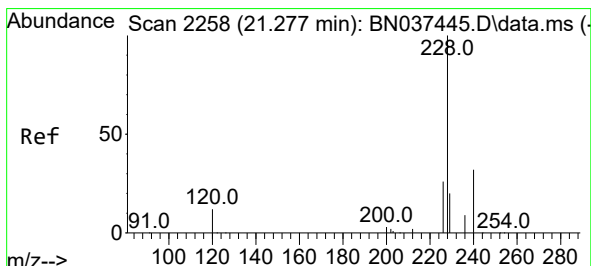
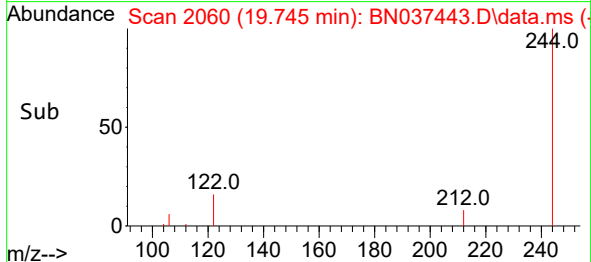
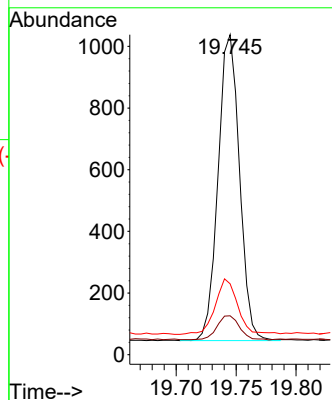
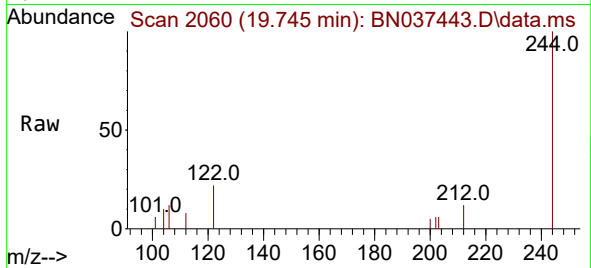




#31
 Terphenyl-d14
 Concen: 0.097 ng
 RT: 19.745 min Scan# 2059
 Delta R.T. -0.005 min
 Lab File: BN037443.D
 Acq: 09 Jul 2025 17:36

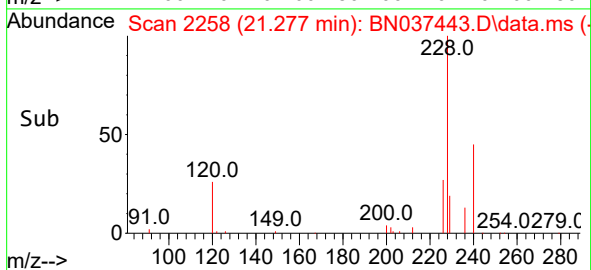
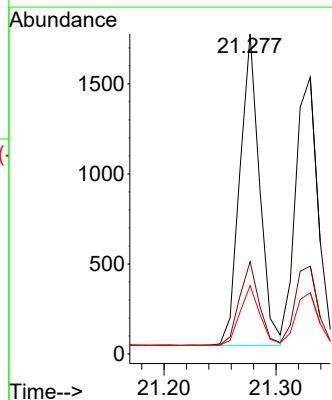
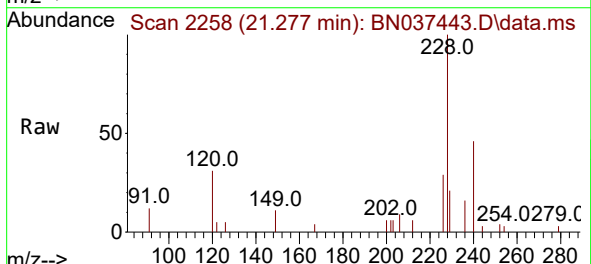
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

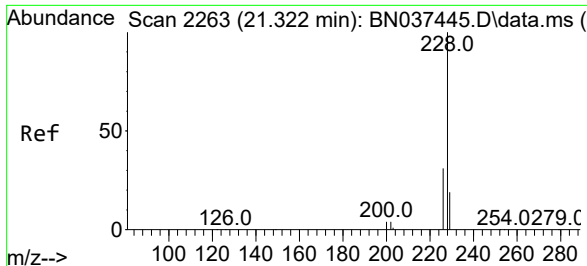
Tgt Ion:244 Resp: 1233
 Ion Ratio Lower Upper
 244 100
 212 12.1 9.0 13.4
 122 22.2 15.0 22.4



#32
 Benzo(a)anthracene
 Concen: 0.103 ng
 RT: 21.277 min Scan# 2258
 Delta R.T. -0.009 min
 Lab File: BN037443.D
 Acq: 09 Jul 2025 17:36

Tgt Ion:228 Resp: 2122
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.2 33.2
 229 21.4 16.6 25.0

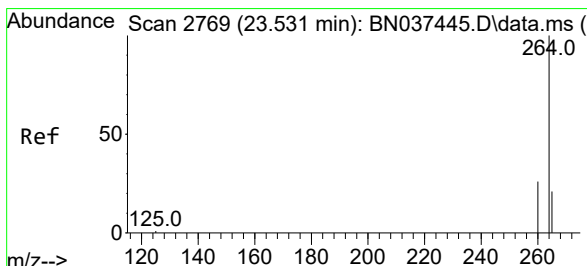
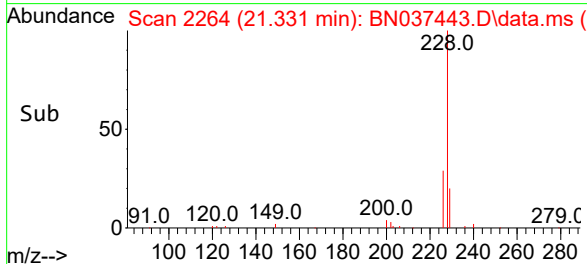
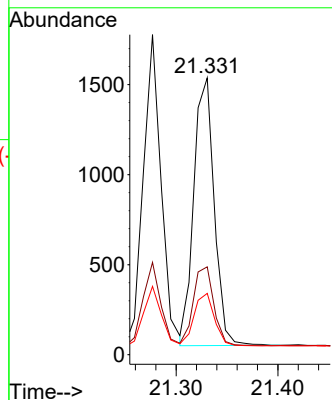
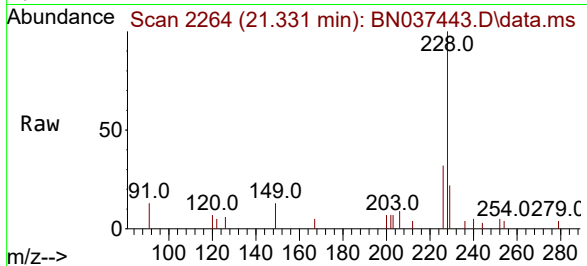




#33
Chrysene
Concen: 0.092 ng
RT: 21.331 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

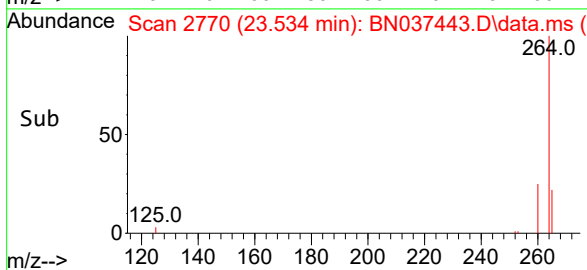
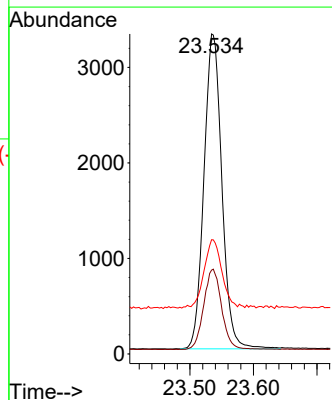
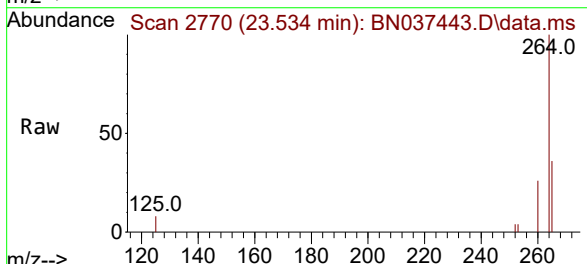
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

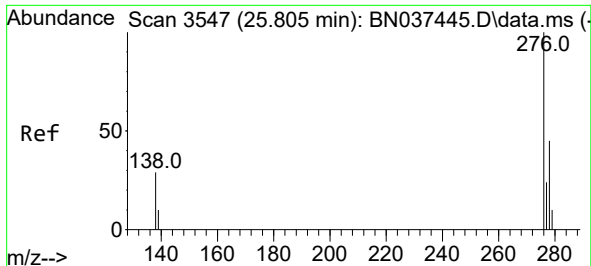
Tgt Ion:228 Resp: 2075
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 22.2 15.8 23.8



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.534 min Scan# 2770
Delta R.T. -0.012 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:264 Resp: 6458
Ion Ratio Lower Upper
264 100
260 26.2 22.1 33.1
265 35.7 30.1 45.1

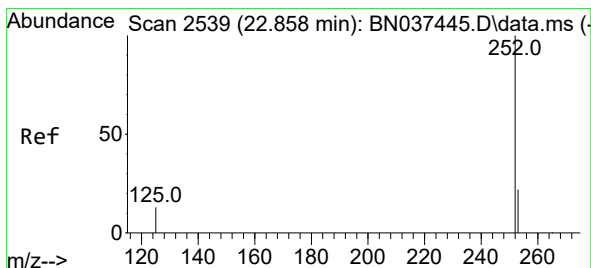
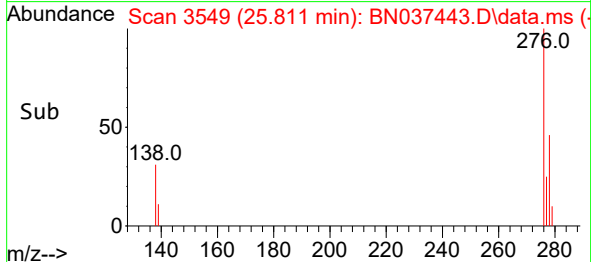
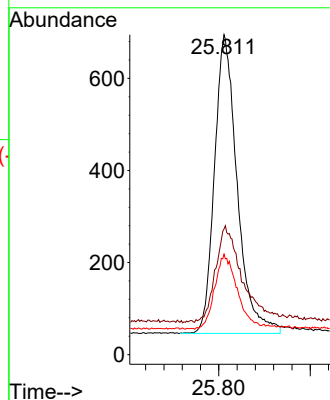
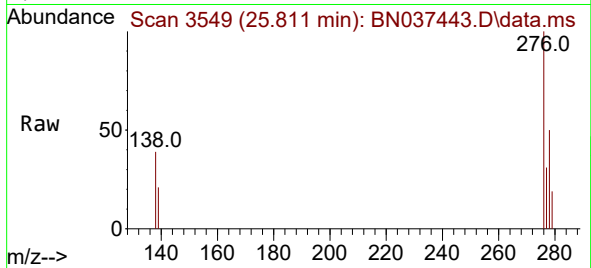




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.091 ng
RT: 25.811 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

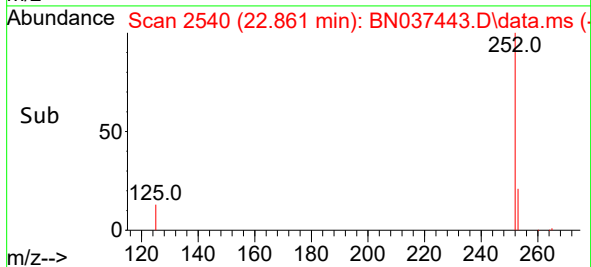
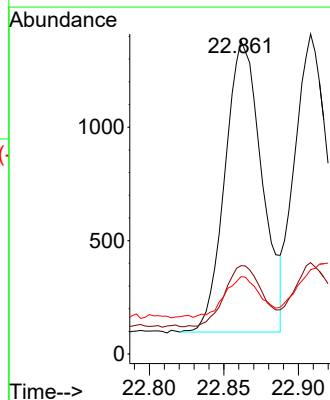
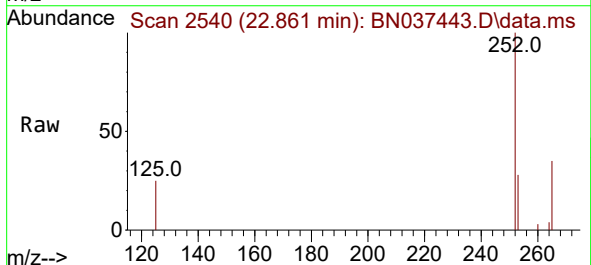
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

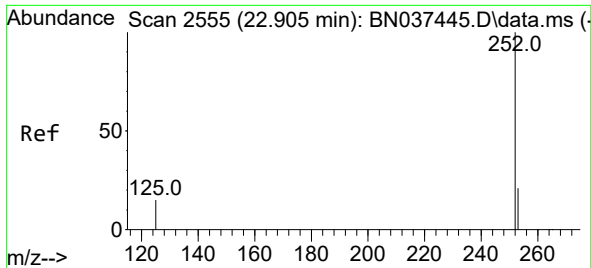
Tgt Ion:276 Resp: 2240
Ion Ratio Lower Upper
276 100
138 38.1 27.8 41.8
277 24.8 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.081 ng
RT: 22.861 min Scan# 2540
Delta R.T. -0.009 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

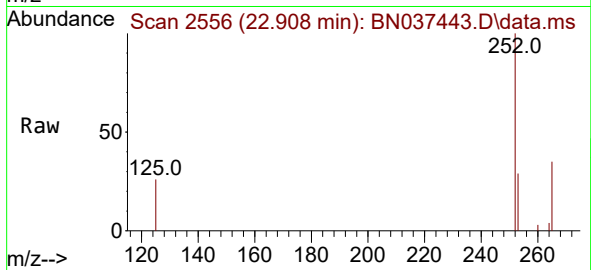
Tgt Ion:252 Resp: 2210
Ion Ratio Lower Upper
252 100
253 28.2 19.0 28.6
125 24.7 13.0 19.6#



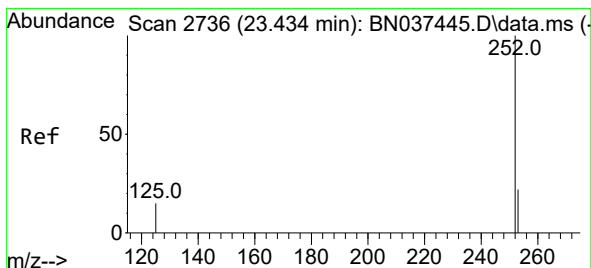
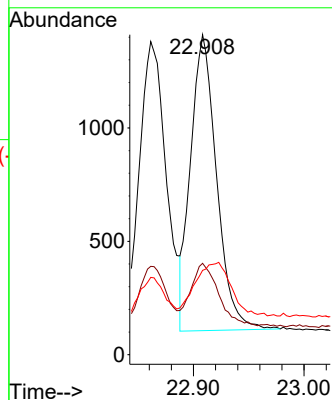


#38
Benzo(k)fluoranthene
Concen: 0.077 ng
RT: 22.908 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

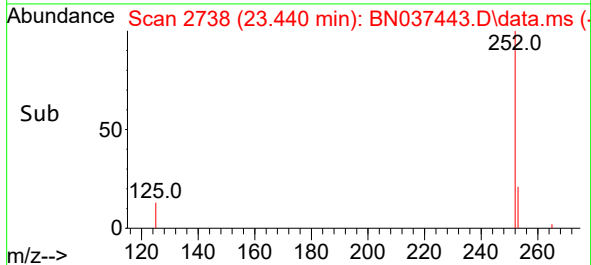
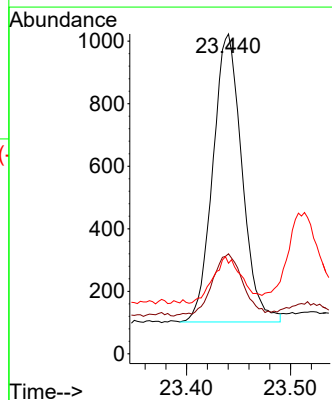
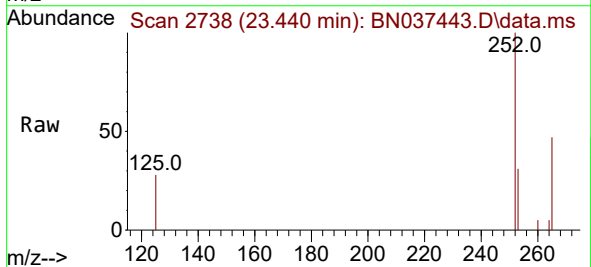


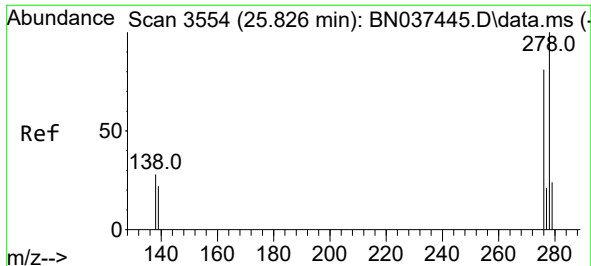
Tgt Ion:252 Resp: 2131
Ion Ratio Lower Upper
252 100
253 28.6 19.0 28.6#
125 26.4 13.0 19.6#



#39
Benzo(a)pyrene
Concen: 0.086 ng
RT: 23.440 min Scan# 2738
Delta R.T. -0.006 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:252 Resp: 1790
Ion Ratio Lower Upper
252 100
253 31.3 19.7 29.5#
125 28.3 15.4 23.0#

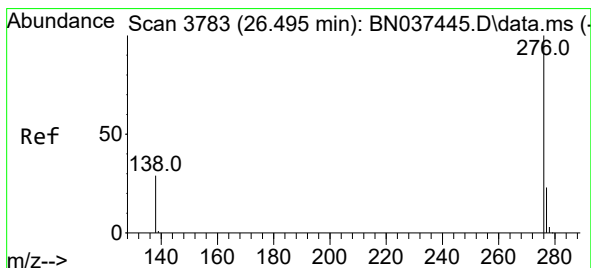
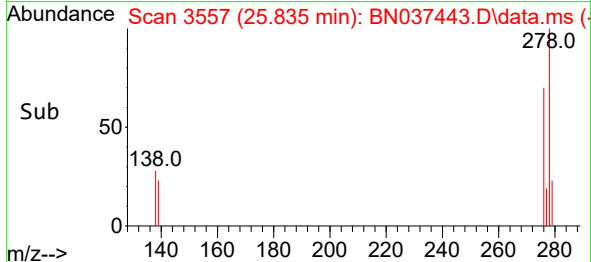
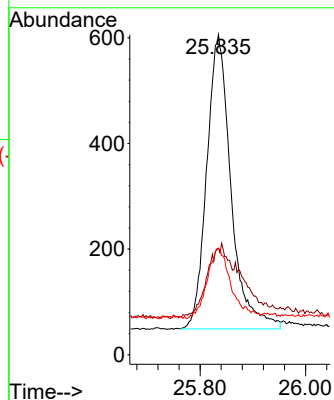
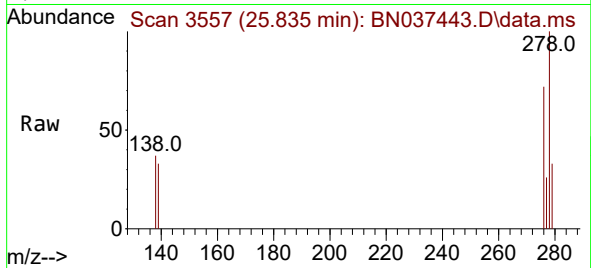




#40
Dibenzo(a,h)anthracene
Concen: 0.098 ng
RT: 25.835 min Scan# 31
Delta R.T. -0.008 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 1782
Ion Ratio Lower Upper
278 100
139 33.3 21.2 31.8#
279 33.2 22.7 34.1



#41
Benzo(g,h,i)perylene
Concen: 0.091 ng
RT: 26.498 min Scan# 3784
Delta R.T. -0.017 min
Lab File: BN037443.D
Acq: 09 Jul 2025 17:36

Tgt Ion:276 Resp: 1973
Ion Ratio Lower Upper
276 100
277 30.2 19.8 29.8#
138 36.4 25.9 38.9

