

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
 Data File : BN037782.D
 Acq On : 18 Sep 2025 18:12
 Operator : RC/JU
 Sample : Q3083-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 18 18:40:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 14:20:01 2025
 Response via : Initial Calibration

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

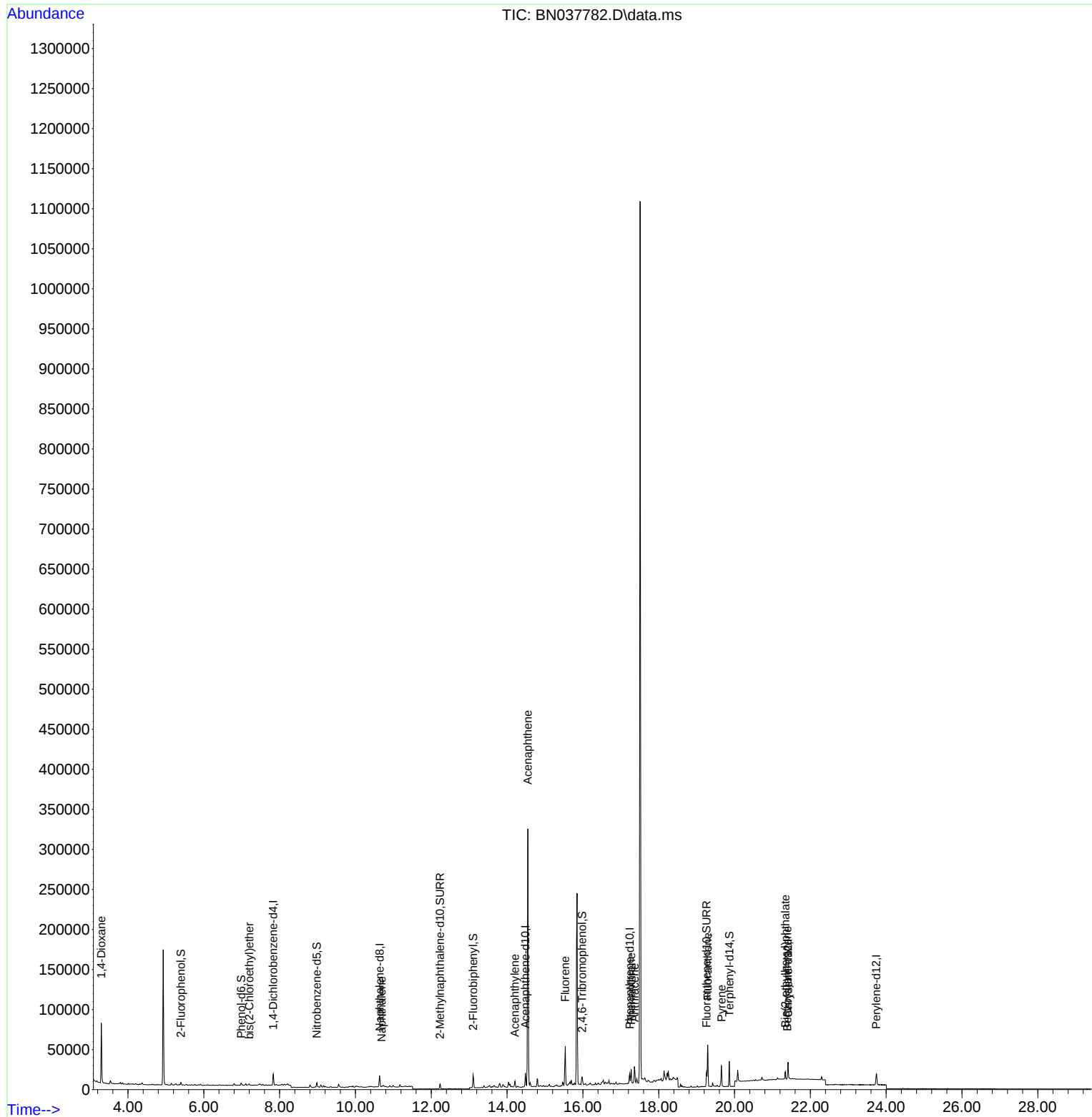
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6579	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17764	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	8899	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	17415	0.400	ng	0.00
29) Chrysene-d12	21.411	240	17835	0.400	ng	# 0.00
35) Perylene-d12	23.741	264	19008	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	2772	0.184	ng	0.00
5) Phenol-d6	6.988	99	2548	0.130	ng	0.00
8) Nitrobenzene-d5	8.982	82	4565	0.351	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	8353	0.355	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	1646	0.709	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	13500	0.363	ng	-0.01
27) Fluoranthene-d10	19.262	212	19350	0.443	ng	0.00
31) Terphenyl-d14	19.861	244	28826	0.796	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.297	88	42725	6.235	ng	95
6) bis(2-Chloroethyl)ether	7.197	93	750	0.043	ng	# 37
9) Naphthalene	10.690	128	1060	0.022	ng	# 60
16) Acenaphthylene	14.206	152	1793	0.044	ng	# 41
17) Acenaphthene	14.548	154	152410	5.523	ng	97
18) Fluorene	15.535	166	33401	0.999	ng	93
25) Phenanthrene	17.273	178	17293	0.315	ng	96
26) Anthracene	17.360	178	23665	0.487	ng	97
28) Fluoranthene	19.294	202	46498	0.773	ng	99
30) Pyrene	19.657	202	24513	0.351	ng	# 90
32) Benzo(a)anthracene	21.393	228	1311	0.021	ng	# 53
34) Bis(2-ethylhexyl)phtha...	21.340	149	9051	0.491	ng	98

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

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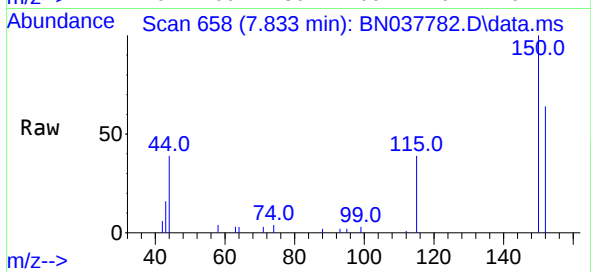
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



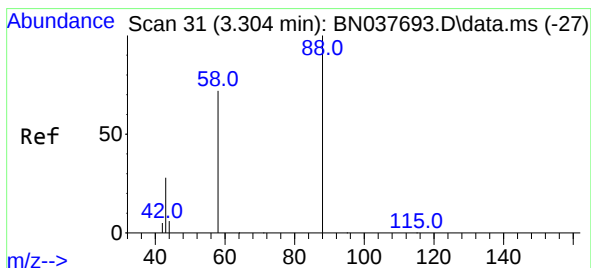
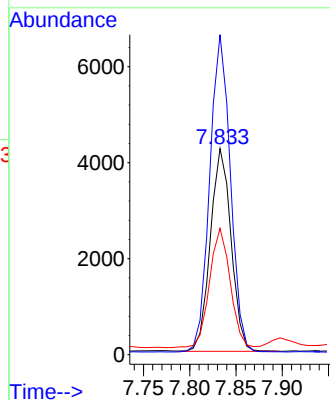


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.833 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037782.D
 Acq: 18 Sep 2025 18:12

Instrument :
 BNA_N
 ClientSampleId :

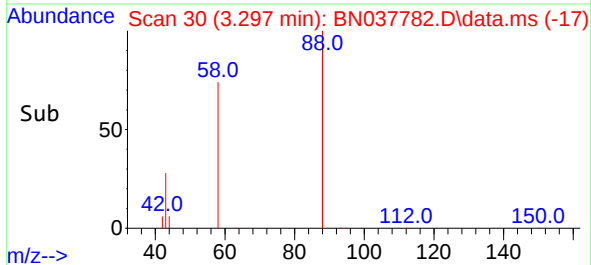
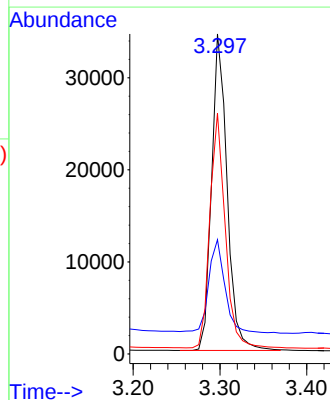
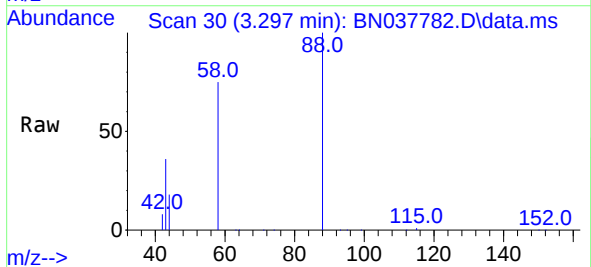


Tgt Ion:152 Resp: 6579
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.5 186.7
 115 61.2 49.2 73.8



#2
 1,4-Dioxane
 Concen: 6.235 ng
 RT: 3.297 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BN037782.D
 Acq: 18 Sep 2025 18:12

Tgt Ion: 88 Resp: 42725
 Ion Ratio Lower Upper
 88 100
 43 31.2 26.8 40.2
 58 73.3 61.9 92.9

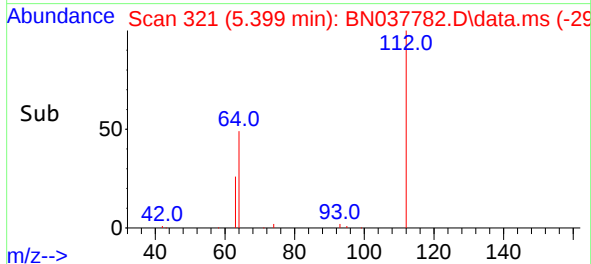
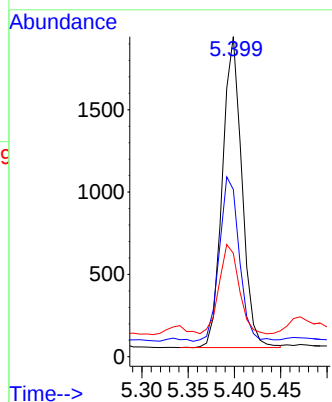
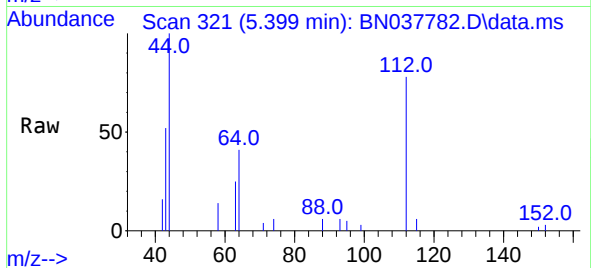




#4
2-Fluorophenol
Concen: 0.184 ng
RT: 5.399 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

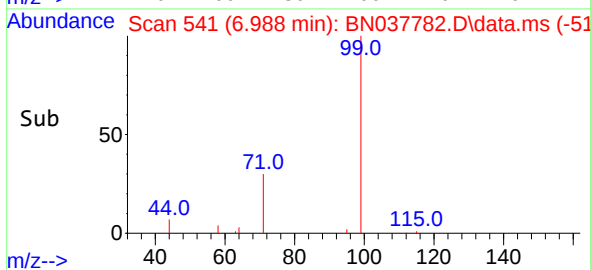
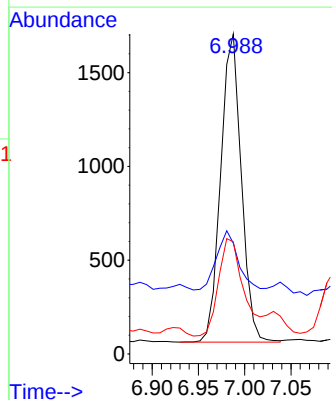
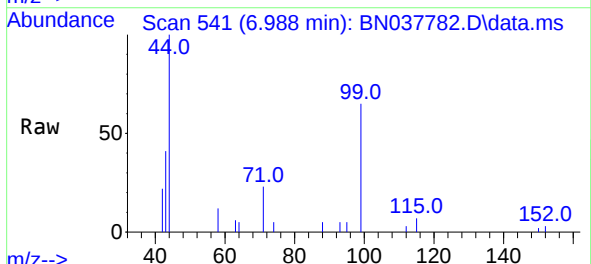
Instrument :
BNA_N
ClientSampleId :

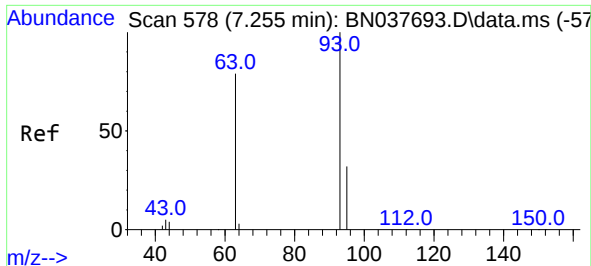
Tgt Ion:112 Resp: 2772
Ion Ratio Lower Upper
112 100
64 53.9 44.9 67.3
63 29.8 24.7 37.1



#5
Phenol-d6
Concen: 0.130 ng
RT: 6.988 min Scan# 541
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

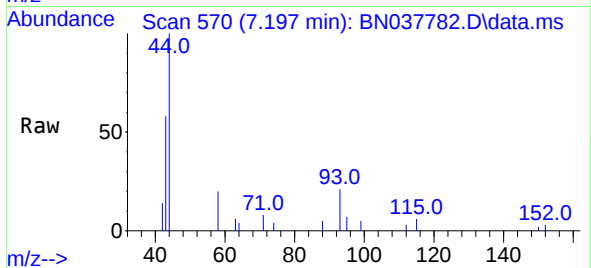
Tgt Ion: 99 Resp: 2548
Ion Ratio Lower Upper
99 100
42 21.1 16.6 24.8
71 38.1 26.7 40.1



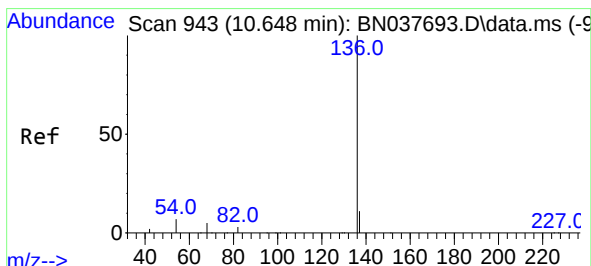
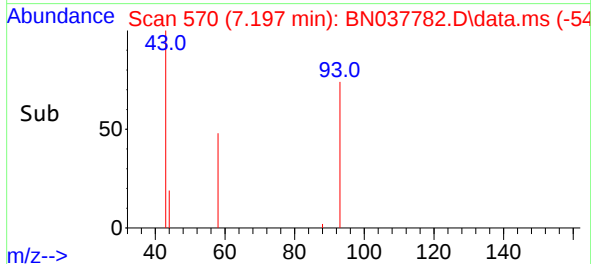
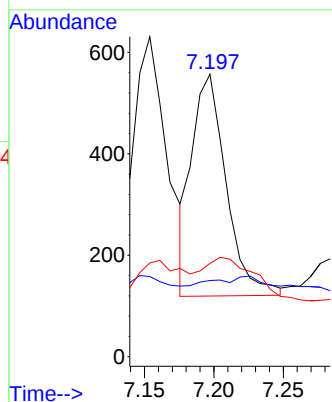


#6
bis(2-Chloroethyl)ether
Concen: 0.043 ng
RT: 7.197 min Scan# 51
Delta R.T. -0.058 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

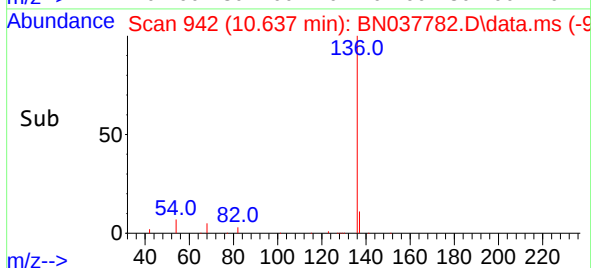
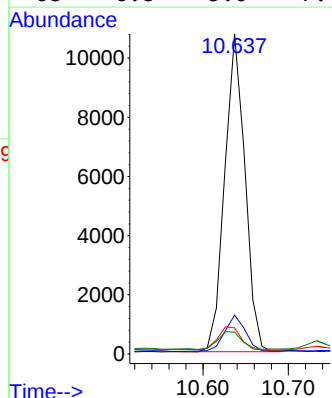
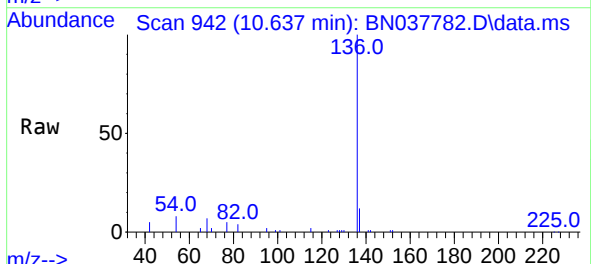


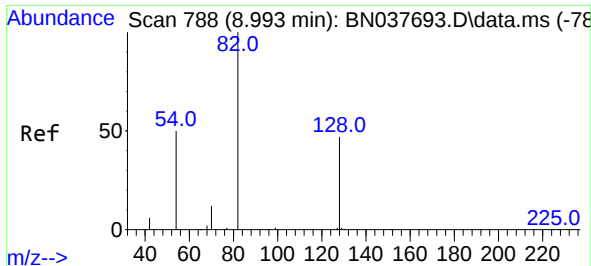
Tgt Ion: 93 Resp: 750
Ion Ratio Lower Upper
93 100
63 0.0 60.6 90.8#
95 29.7 26.0 39.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 942
Delta R.T. -0.011 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

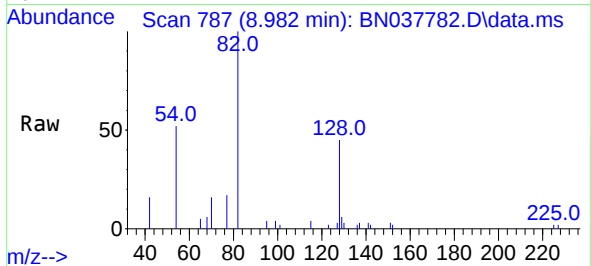
Tgt Ion: 136 Resp: 17764
Ion Ratio Lower Upper
136 100
137 12.1 9.1 13.7
54 8.2 6.3 9.5
68 6.8 5.0 7.4



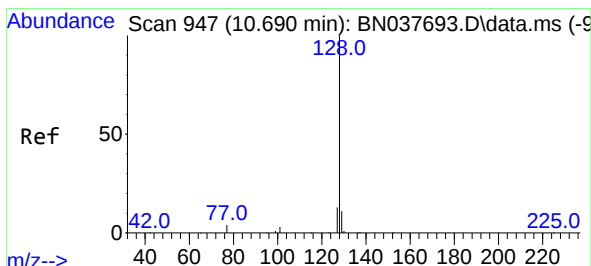
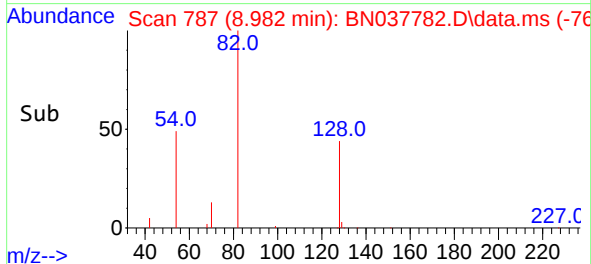
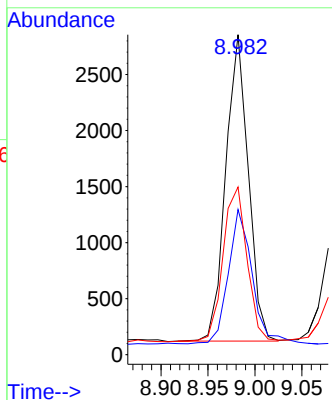


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 8.982 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

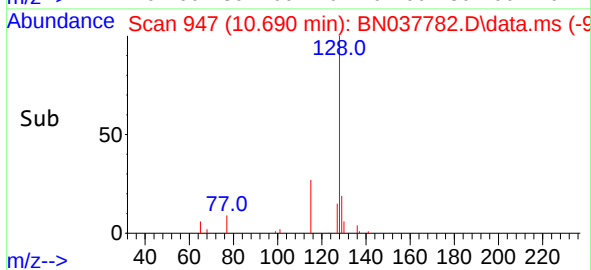
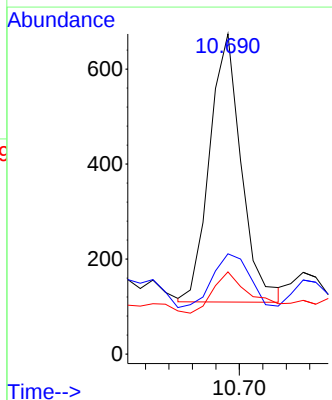
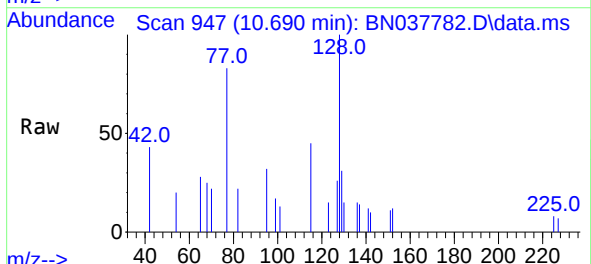


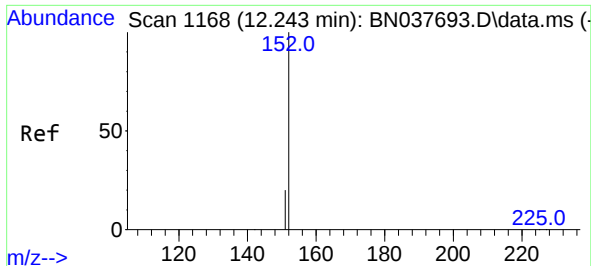
Tgt Ion: 82 Resp: 4565
Ion Ratio Lower Upper
82 100
128 45.3 38.3 57.5
54 52.4 41.4 62.2



#9
Naphthalene
Concen: 0.022 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion: 128 Resp: 1060
Ion Ratio Lower Upper
128 100
129 31.3 9.1 13.7#
127 25.7 10.9 16.3#

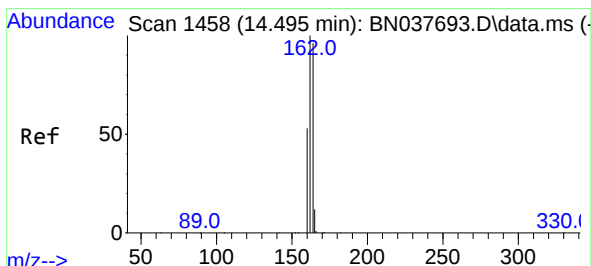
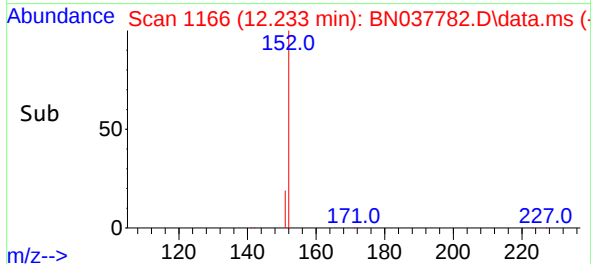
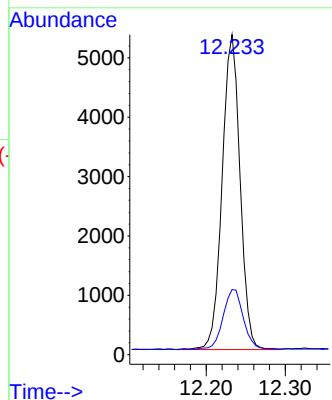
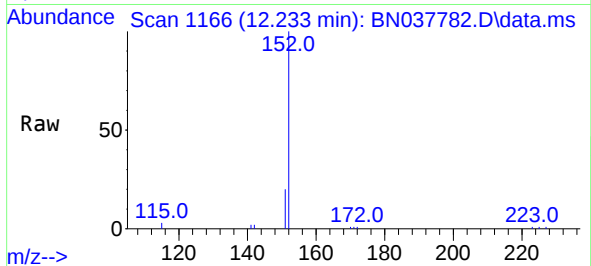




#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.233 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

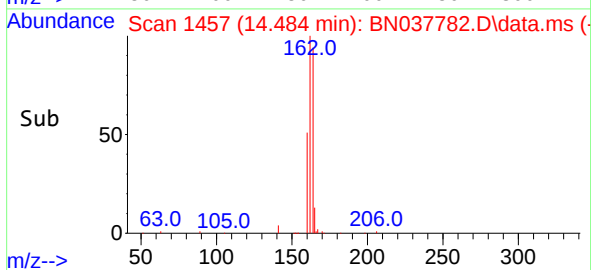
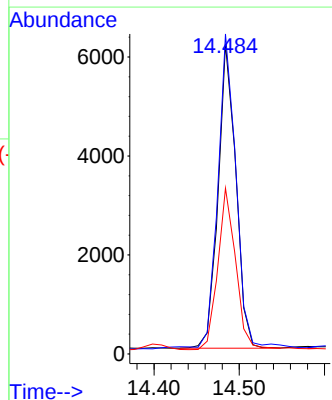
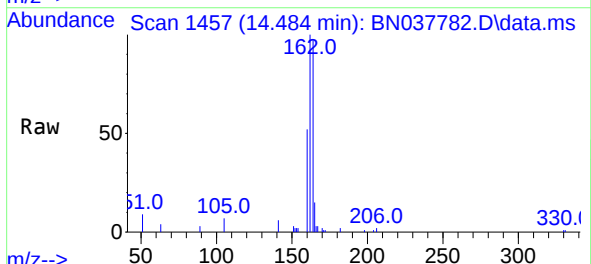
Instrument :
BNA_N
ClientSampleId :

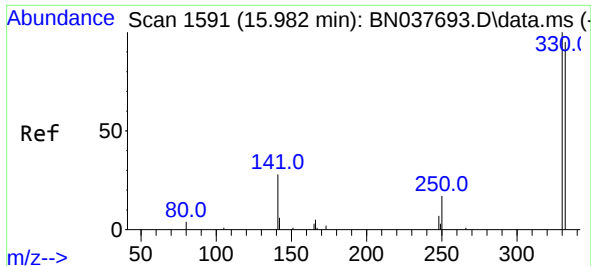
Tgt Ion:152 Resp: 8353
Ion Ratio Lower Upper
152 100
151 21.4 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1457
Delta R.T. -0.011 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

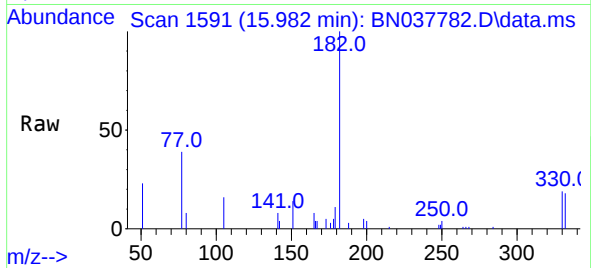
Tgt Ion:164 Resp: 8899
Ion Ratio Lower Upper
164 100
162 103.2 83.1 124.7
160 53.5 44.3 66.5



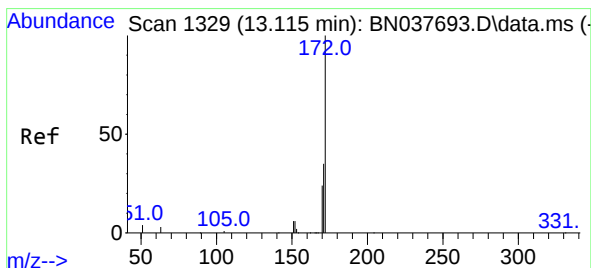
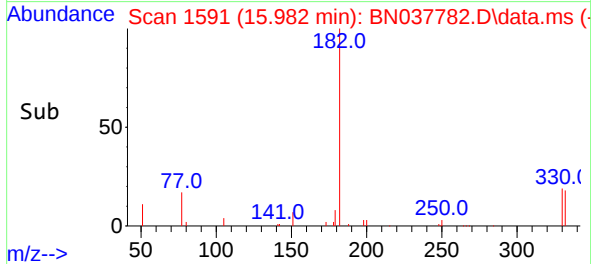
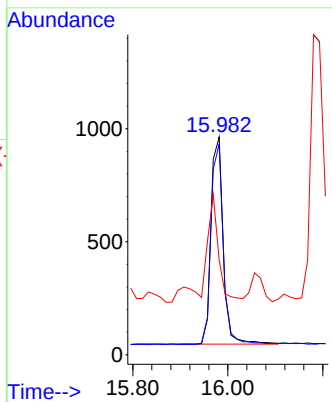


#14
2,4,6-Tribromophenol
Concen: 0.709 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

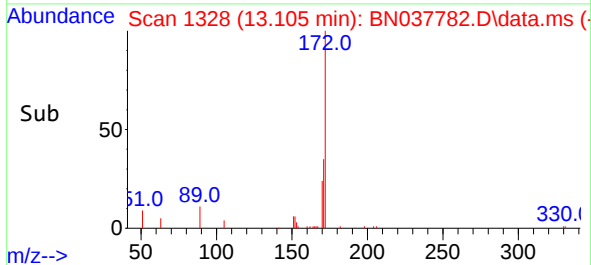
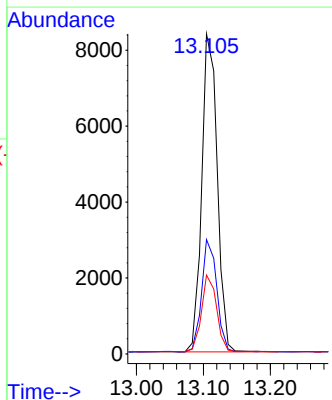
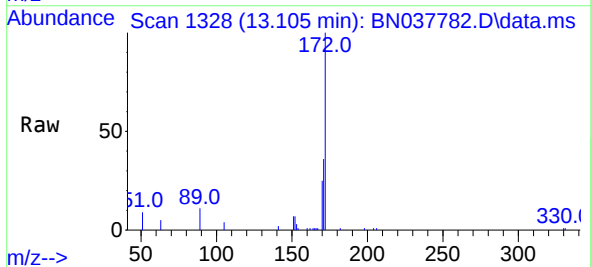


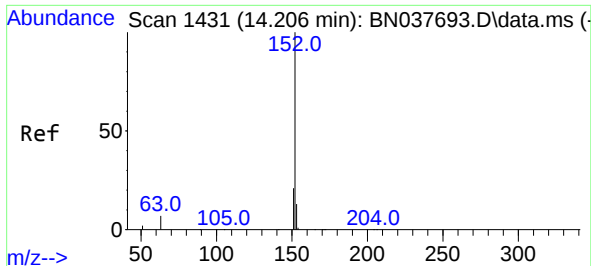
Tgt Ion:330 Resp: 1646
Ion Ratio Lower Upper
330 100
332 96.5 75.3 112.9
141 47.2 35.0 52.4



#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion:172 Resp: 13500
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.7 19.8 29.8

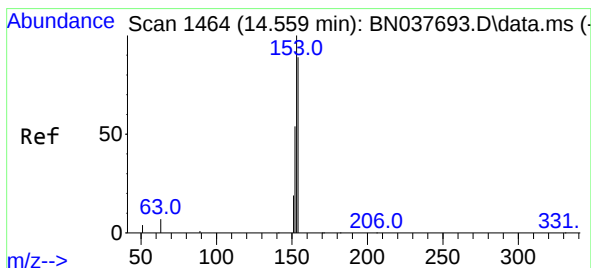
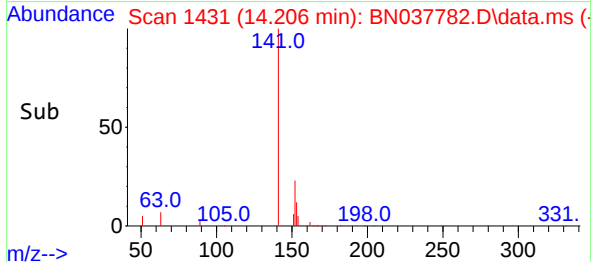
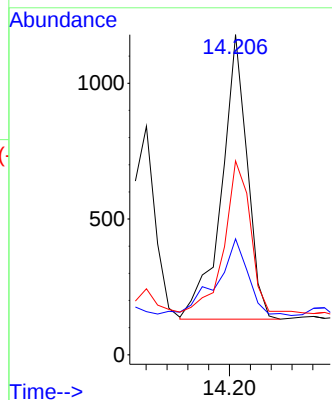
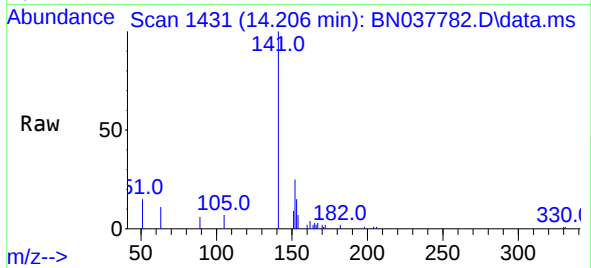




#16
Acenaphthylene
Concen: 0.044 ng
RT: 14.206 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

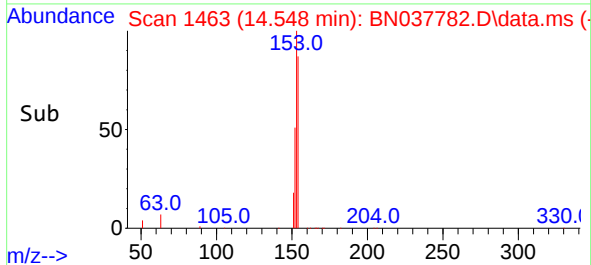
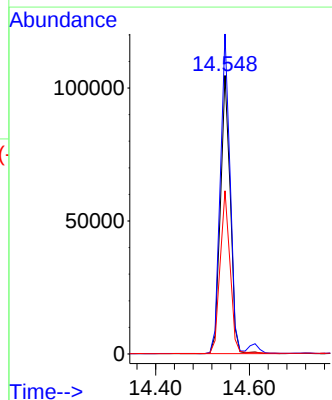
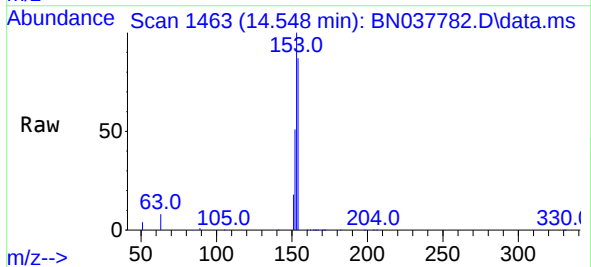
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BNA_N
ClientSampleId :

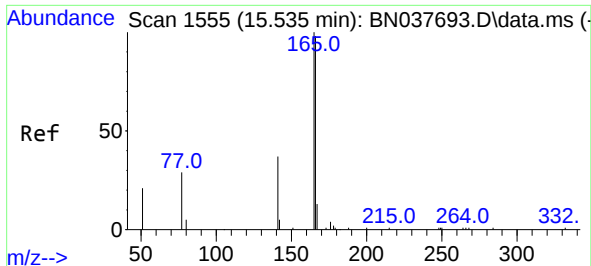
Tgt Ion:152 Resp: 1793
Ion Ratio Lower Upper
152 100
151 33.3 16.2 24.2#
153 55.0 10.4 15.6#



#17
Acenaphthene
Concen: 5.523 ng
RT: 14.548 min Scan# 1463
Delta R.T. -0.011 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion:154 Resp: 152410
Ion Ratio Lower Upper
154 100
153 114.3 89.8 134.8
152 59.6 50.2 75.2

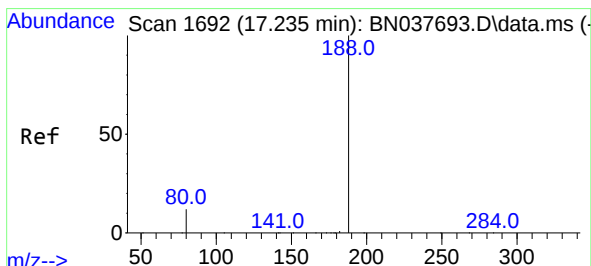
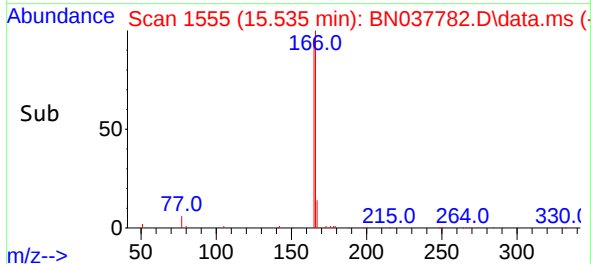
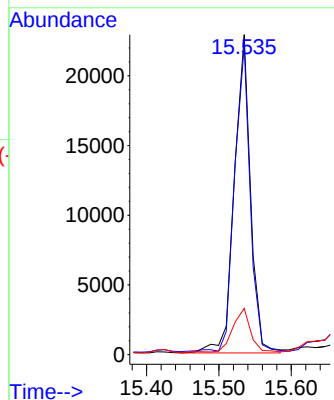
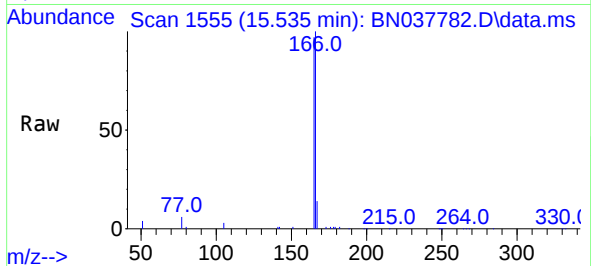




#18
Fluorene
Concen: 0.999 ng
RT: 15.535 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

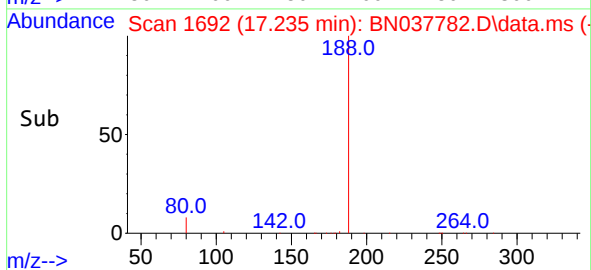
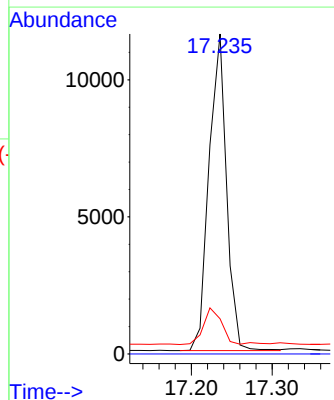
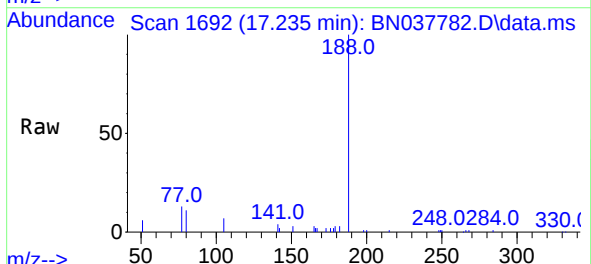
Instrument :
BNA_N
ClientSampleId :

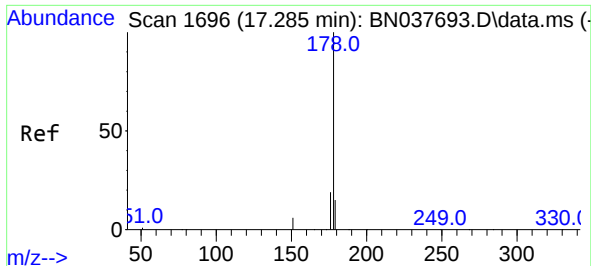
Tgt Ion:166 Resp: 33401
Ion Ratio Lower Upper
166 100
165 92.3 79.6 119.4
167 15.5 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion:188 Resp: 17415
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 10.6 15.8

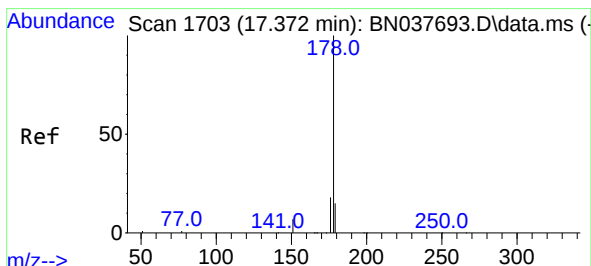
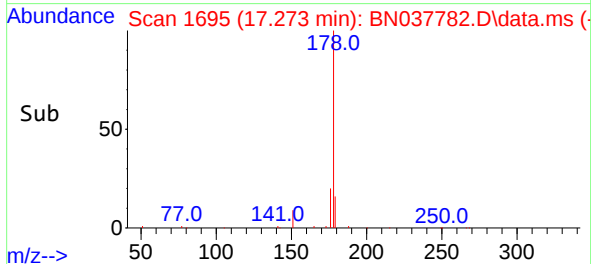
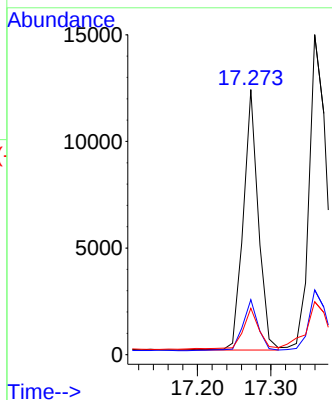
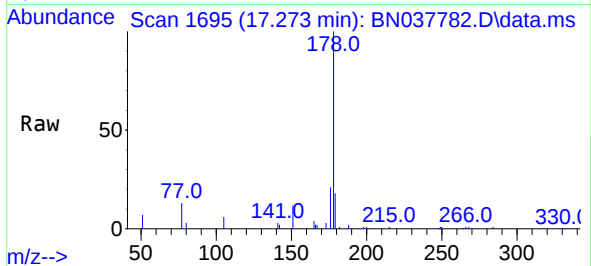




#25
Phenanthrene
Concen: 0.315 ng
RT: 17.273 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

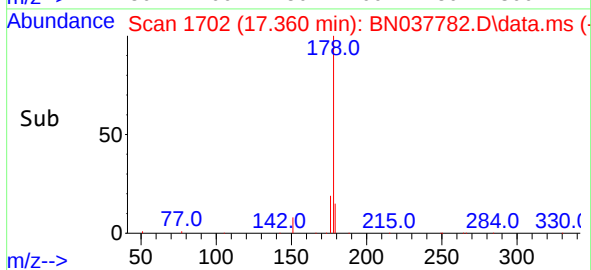
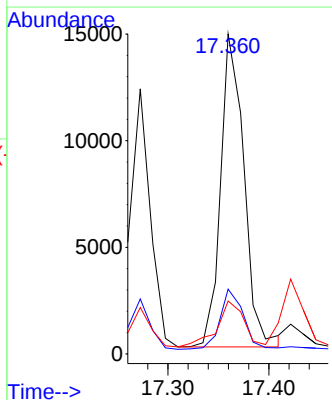
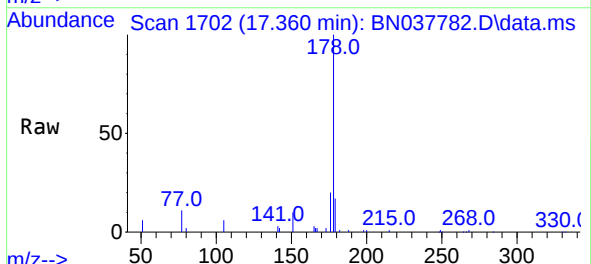
Instrument :
BNA_N
ClientSampleId :

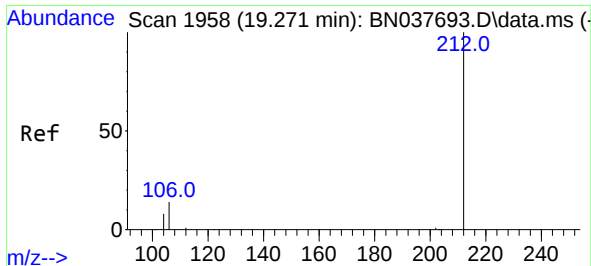
Tgt Ion:178 Resp: 17293
Ion Ratio Lower Upper
178 100
176 20.1 15.3 22.9
179 17.5 12.2 18.2



#26
Anthracene
Concen: 0.487 ng
RT: 17.360 min Scan# 1702
Delta R.T. -0.012 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

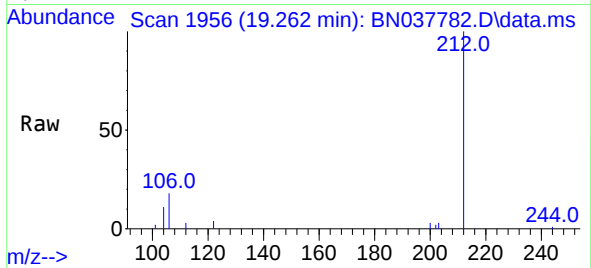
Tgt Ion:178 Resp: 23665
Ion Ratio Lower Upper
178 100
176 19.1 14.6 22.0
179 16.9 12.2 18.4



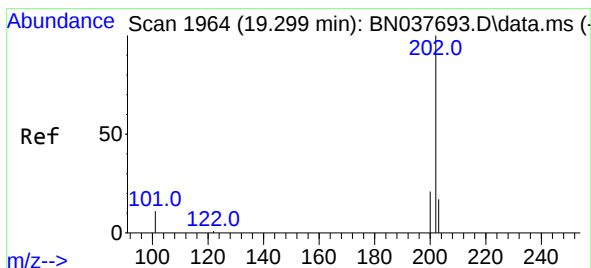
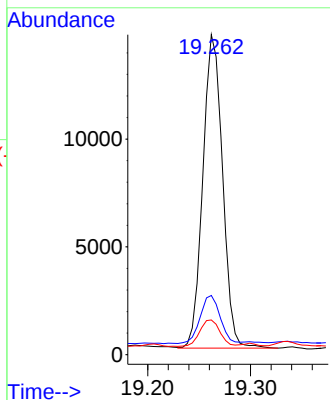


#27
Fluoranthene-d10
Concen: 0.443 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

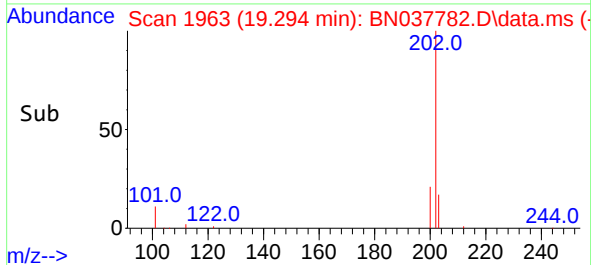
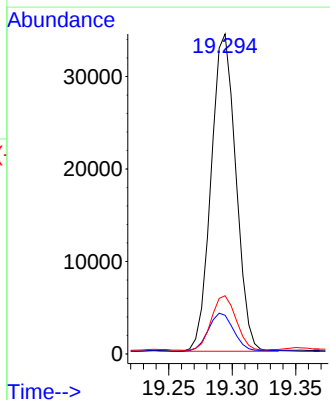
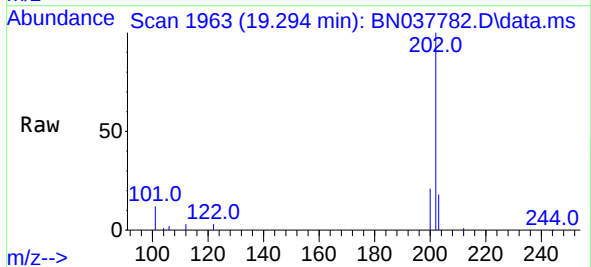


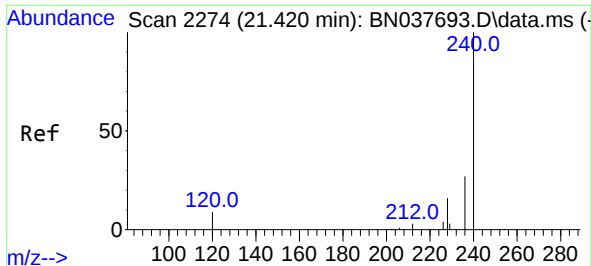
Tgt Ion:212 Resp: 19350
Ion Ratio Lower Upper
212 100
106 15.5 12.2 18.2
104 8.8 6.9 10.3



#28
Fluoranthene
Concen: 0.773 ng
RT: 19.294 min Scan# 1963
Delta R.T. -0.005 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

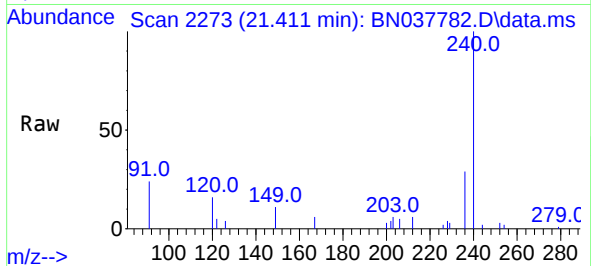
Tgt Ion:202 Resp: 46498
Ion Ratio Lower Upper
202 100
101 12.6 9.3 13.9
203 17.1 13.7 20.5



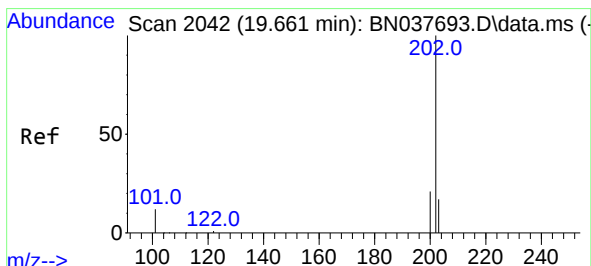
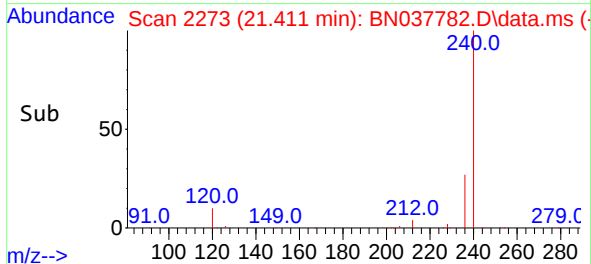
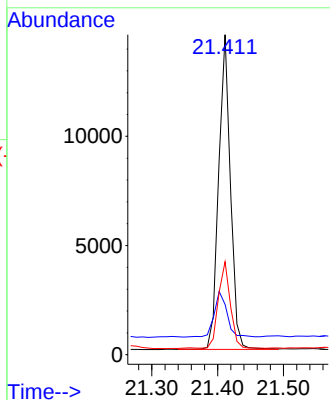


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

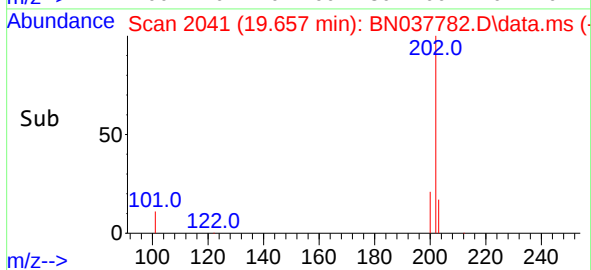
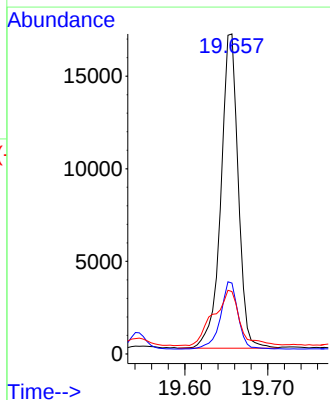
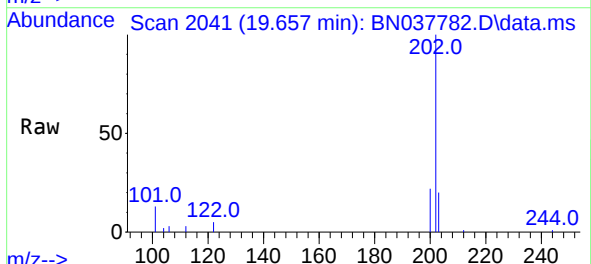


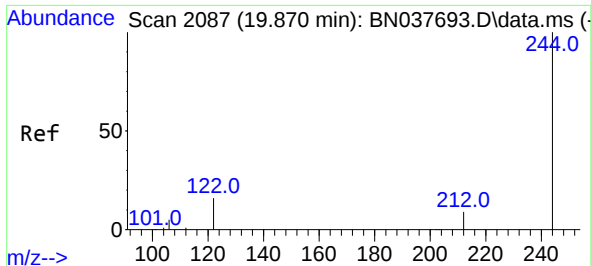
Tgt Ion:240 Resp: 17835
Ion Ratio Lower Upper
240 100
120 15.7 9.2 13.8#
236 29.1 22.6 33.8



#30
Pyrene
Concen: 0.351 ng
RT: 19.657 min Scan# 2041
Delta R.T. -0.005 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

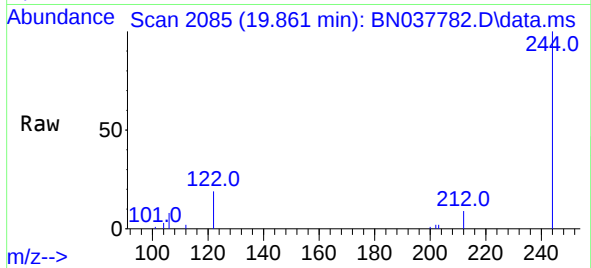
Tgt Ion:202 Resp: 24513
Ion Ratio Lower Upper
202 100
200 21.8 16.8 25.2
203 26.5 14.3 21.5#



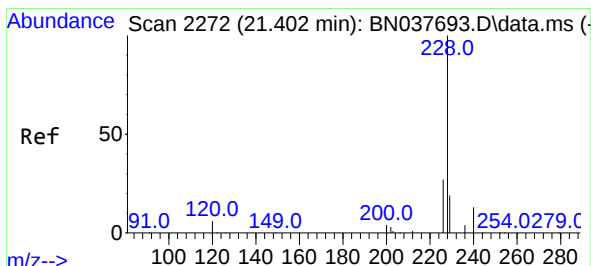
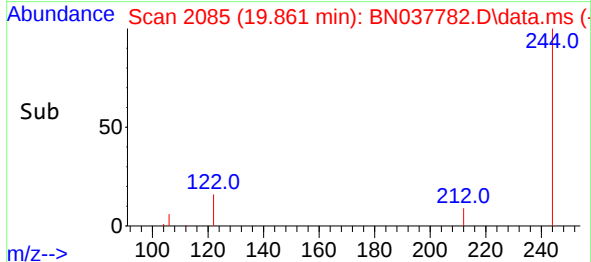
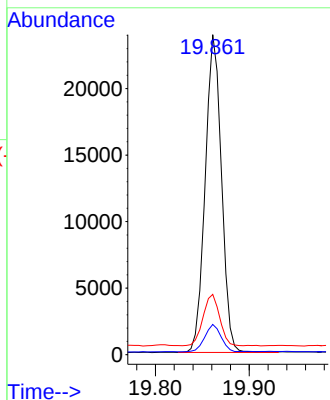


#31
Terphenyl-d14
Concen: 0.796 ng
RT: 19.861 min Scan# 2085
Delta R.T. -0.009 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

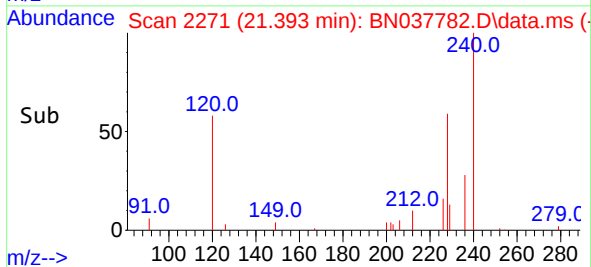
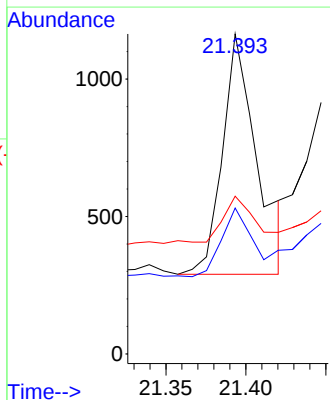
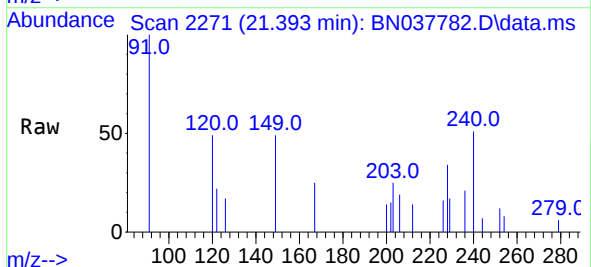


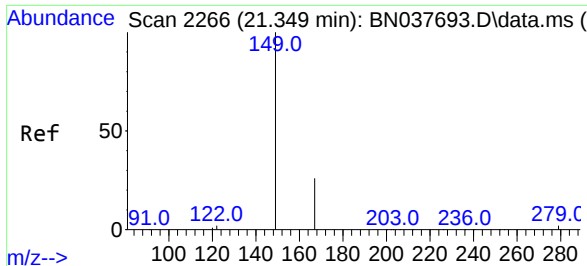
Tgt Ion:244 Resp: 28826
Ion Ratio Lower Upper
244 100
212 9.5 7.5 11.3
122 18.8 13.2 19.8



#32
Benzo(a)anthracene
Concen: 0.021 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion:228 Resp: 1311
Ion Ratio Lower Upper
228 100
226 45.6 22.2 33.2#
229 49.3 15.8 23.6#

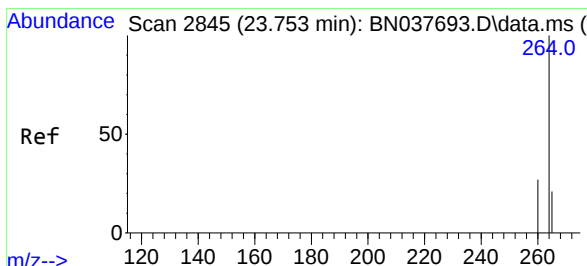
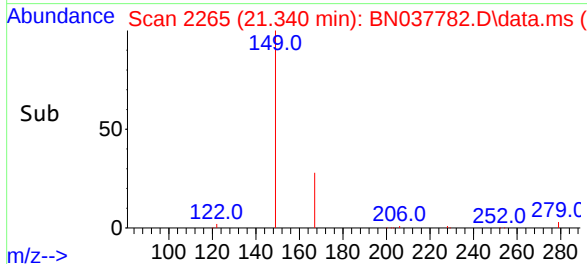
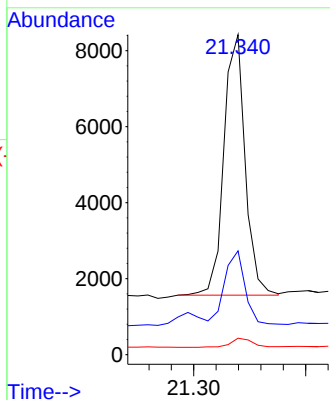
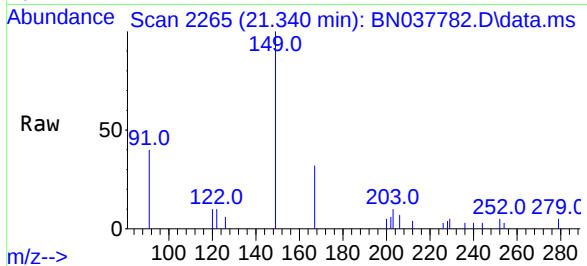




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.491 ng
RT: 21.340 min Scan# 2134
Delta R.T. -0.009 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:149 Resp: 9051
Ion Ratio Lower Upper
149 100
167 26.8 20.8 31.2
279 3.7 3.3 4.9



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.741 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BN037782.D
Acq: 18 Sep 2025 18:12

Tgt Ion:264 Resp: 19008
Ion Ratio Lower Upper
264 100
260 26.9 21.8 32.8
265 56.9 39.4 59.2

