

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
 Data File : BN037790.D
 Acq On : 18 Sep 2025 23:03
 Operator : RC/JU
 Sample : Q3097-08DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 19 04:12:16 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)

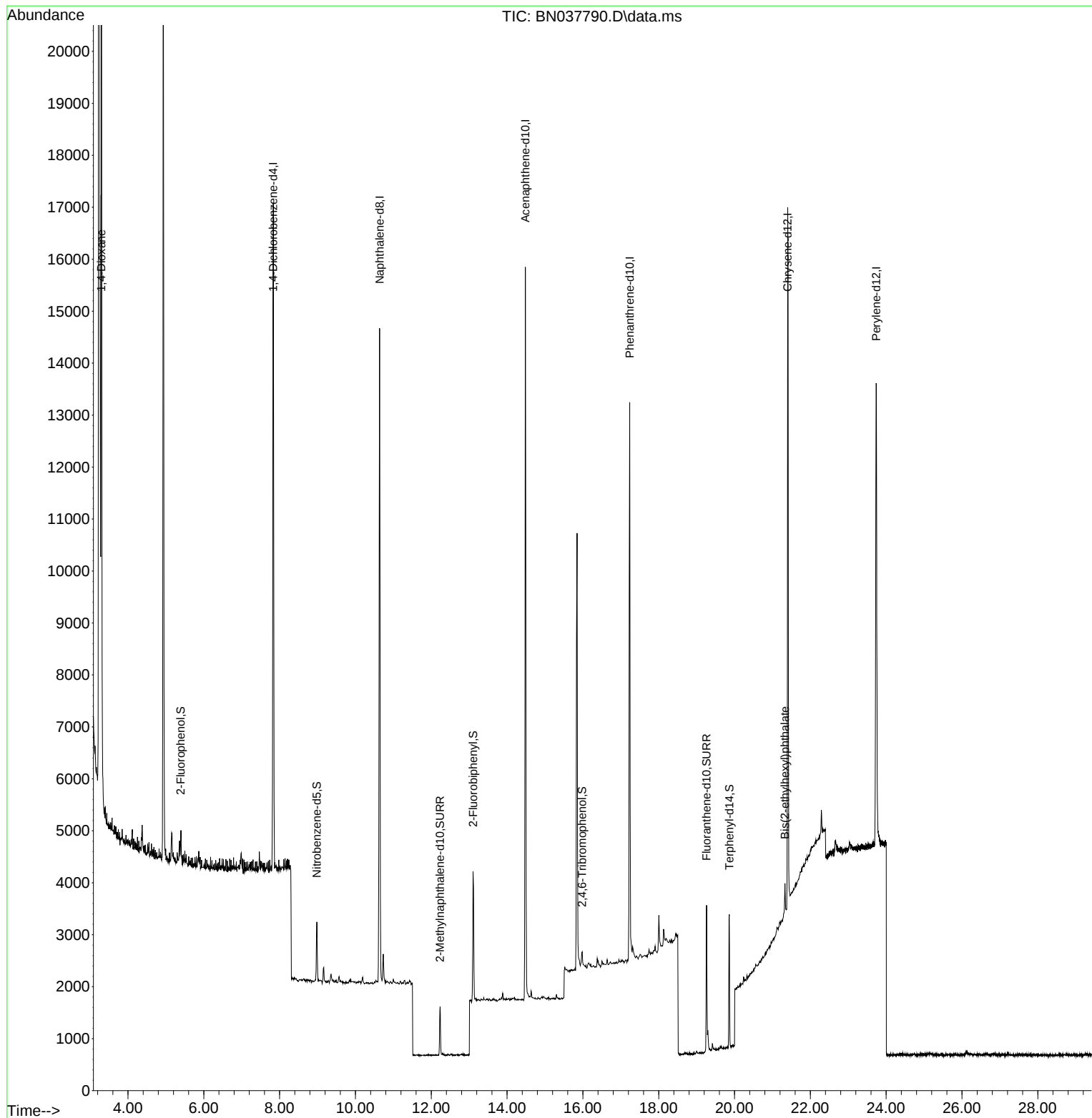
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6110	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	16499	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7574	0.400	ng	-0.01
19) Phenanthrene-d10	17.236	188	14919	0.400	ng	# 0.00
29) Chrysene-d12	21.402	240	12875	0.400	ng	#-0.02
35) Perylene-d12	23.739	264	12853	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	411	0.029	ng	0.00
5) Phenol-d6	6.988	99	305	0.017	ng	0.00
8) Nitrobenzene-d5	8.982	82	905	0.075	ng	-0.01
11) 2-Methylnaphthalene-d10	12.233	152	1261	0.058	ng	-0.01
14) 2,4,6-Tribromophenol	15.982	330	201	0.102	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	2308	0.073	ng	-0.01
27) Fluoranthene-d10	19.262	212	3086	0.082	ng	0.00
31) Terphenyl-d14	19.861	244	2426	0.093	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.297	88	10394	1.633	ng	96
34) Bis(2-ethylhexyl)phtha...	21.331	149	764	0.057	ng	98

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

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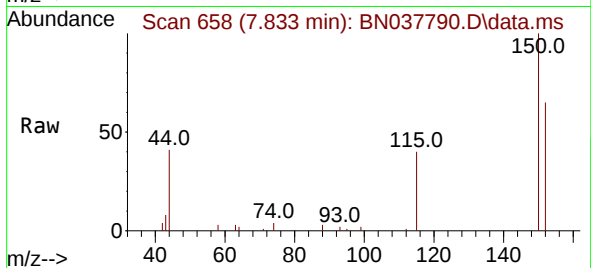
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



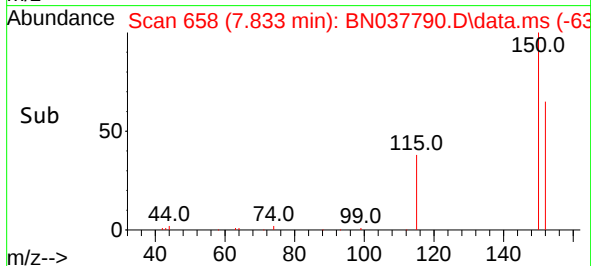
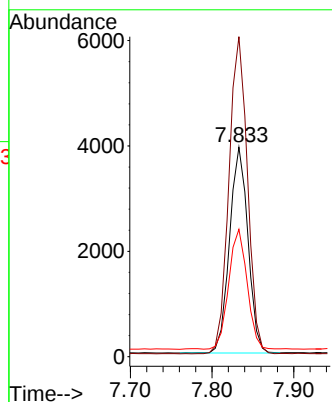


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.833 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037790.D
 Acq: 18 Sep 2025 23:03

Instrument :
 BNA_N
 ClientSampleId :

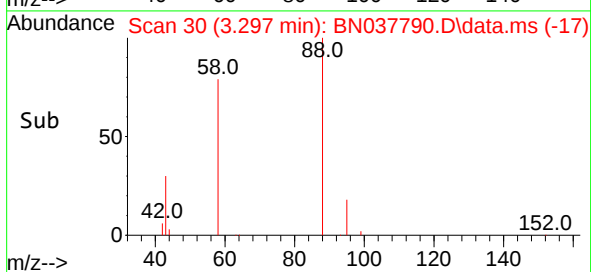
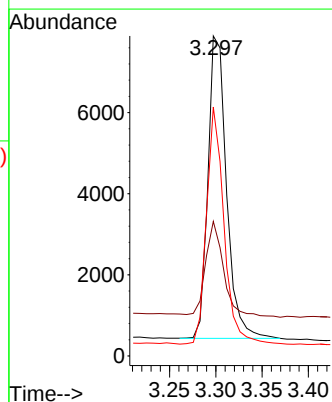
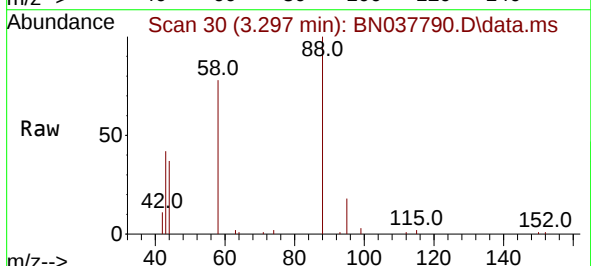


Tgt Ion:152 Resp: 6110
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.5 186.7
 115 60.8 49.2 73.8



#2
 1,4-Dioxane
 Concen: 1.633 ng
 RT: 3.297 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BN037790.D
 Acq: 18 Sep 2025 23:03

Tgt Ion: 88 Resp: 10394
 Ion Ratio Lower Upper
 88 100
 43 31.4 26.8 40.2
 58 73.8 61.9 92.9

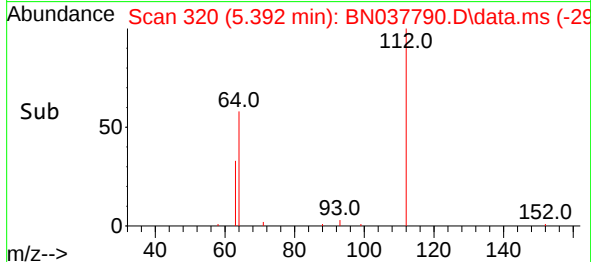
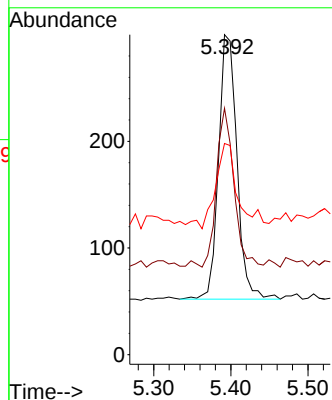
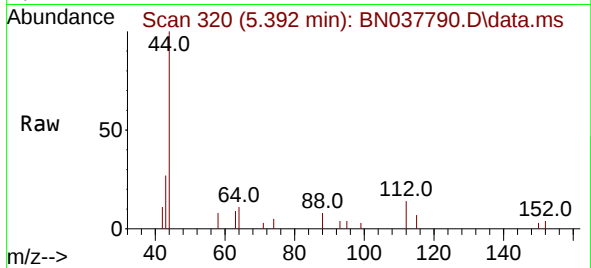




#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.392 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

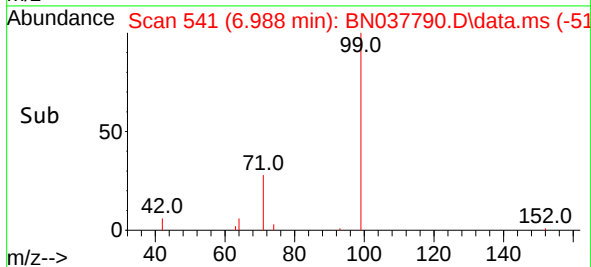
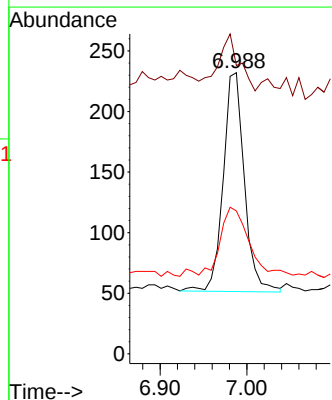
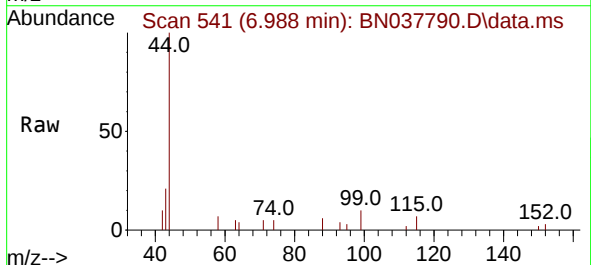
Instrument :
BNA_N
ClientSampleId :

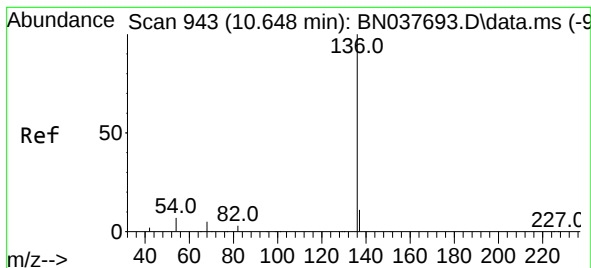
Tgt Ion:112 Resp: 411
Ion Ratio Lower Upper
112 100
64 56.4 44.9 67.3
63 38.7 24.7 37.1#



#5
Phenol-d6
Concen: 0.017 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.000 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

Tgt Ion: 99 Resp: 305
Ion Ratio Lower Upper
99 100
42 25.6 16.6 24.8#
71 43.9 26.7 40.1#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.637 min Scan# 94

Delta R.T. -0.011 min

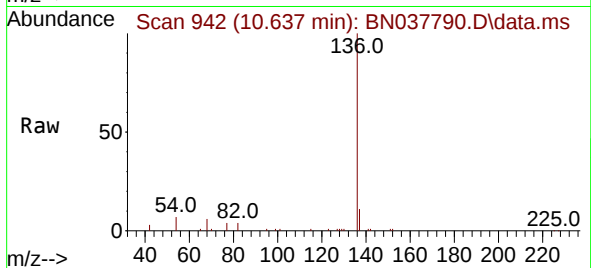
Lab File: BN037790.D

Acq: 18 Sep 2025 23:03

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:136 Resp: 16499

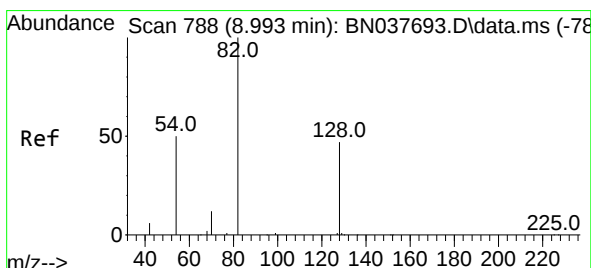
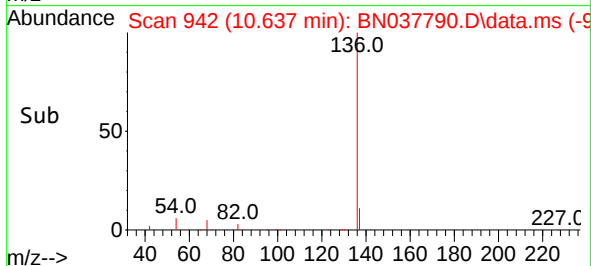
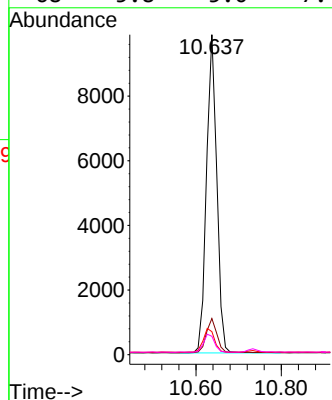
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.2 6.3 9.5

68 5.8 5.0 7.4



#8

Nitrobenzene-d5

Concen: 0.075 ng

RT: 8.982 min Scan# 787

Delta R.T. -0.011 min

Lab File: BN037790.D

Acq: 18 Sep 2025 23:03

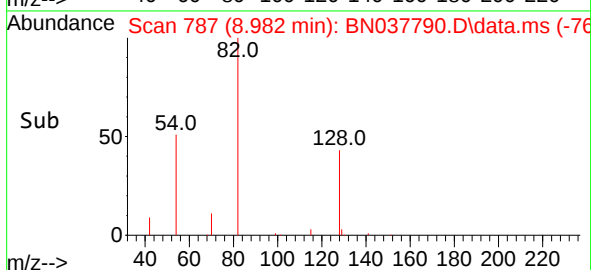
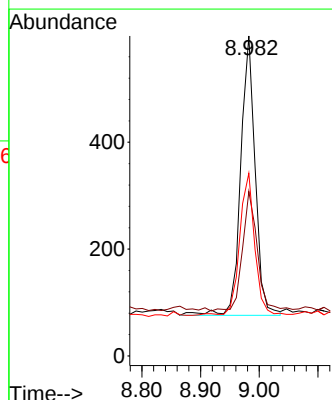
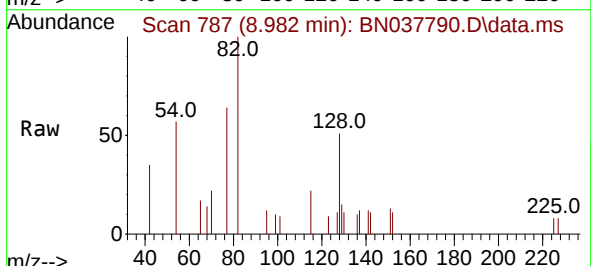
Tgt Ion: 82 Resp: 905

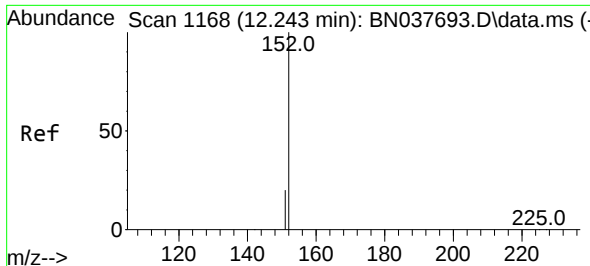
Ion Ratio Lower Upper

82 100

128 51.4 38.3 57.5

54 57.1 41.4 62.2

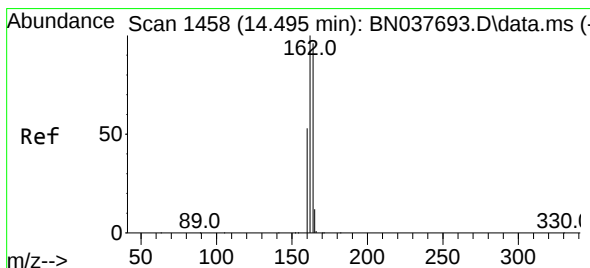
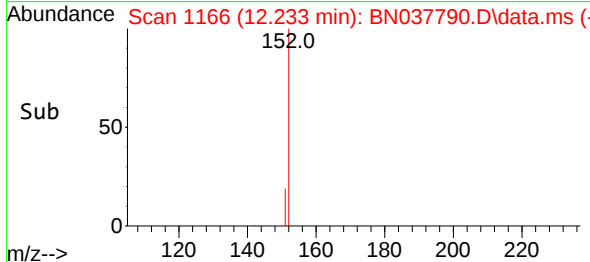
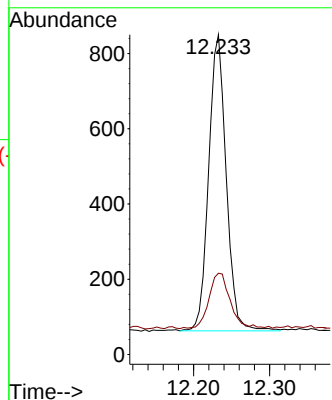
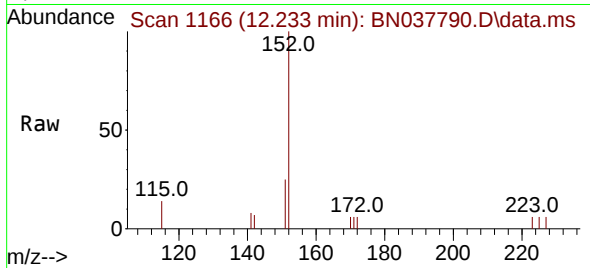




#11
2-Methylnaphthalene-d10
Concen: 0.058 ng
RT: 12.233 min Scan# 1166
Delta R.T. -0.010 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

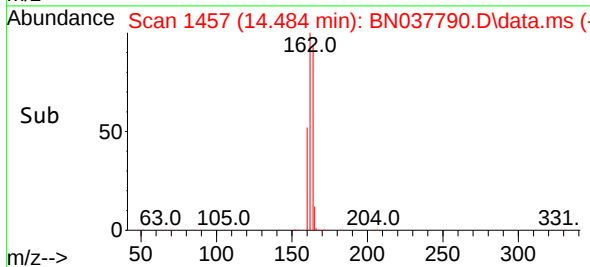
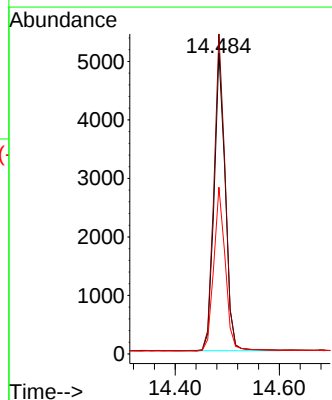
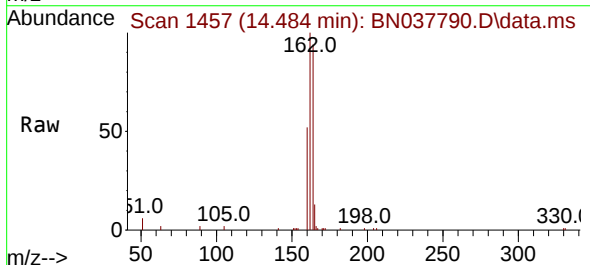
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1261
Ion Ratio Lower Upper
152 100
151 22.8 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: BN037790.D
Acq: 18 Sep 2025 23:03

Tgt Ion:164 Resp: 7574
Ion Ratio Lower Upper
164 100
162 106.3 83.1 124.7
160 55.4 44.3 66.5

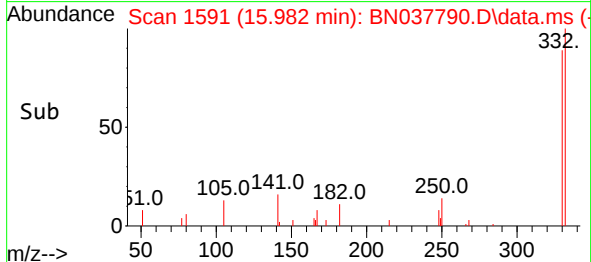
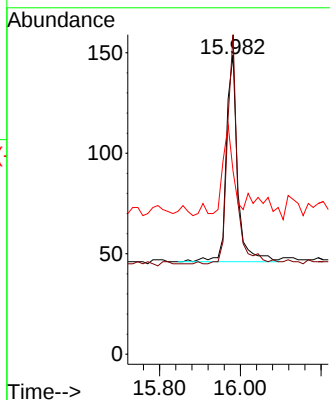
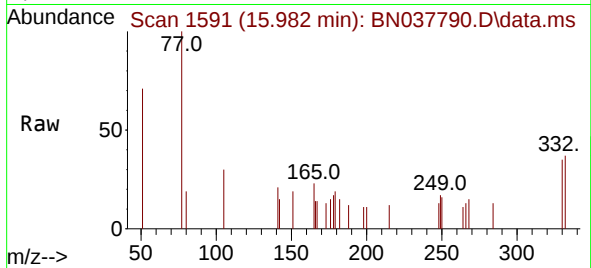




#14
2,4,6-Tribromophenol
Concen: 0.102 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

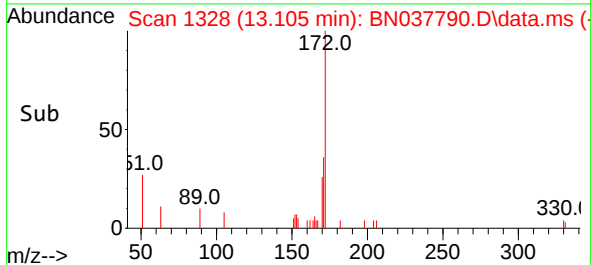
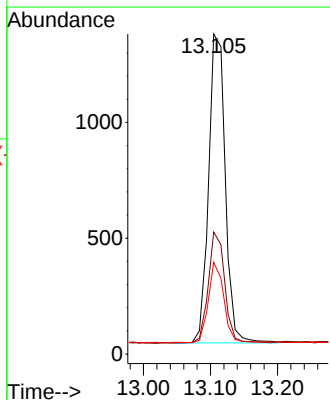
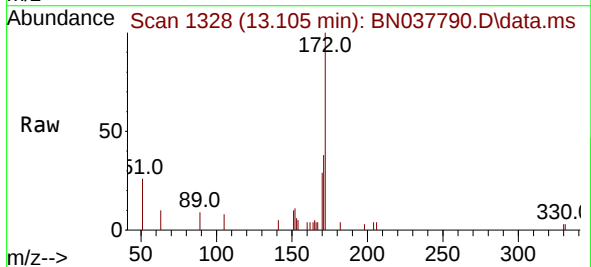
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:330 Resp: 201
Ion Ratio Lower Upper
330 100
332 96.5 75.3 112.9
141 41.3 35.0 52.4



#15
2-Fluorobiphenyl
Concen: 0.073 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

Tgt Ion:172 Resp: 2308
Ion Ratio Lower Upper
172 100
171 38.1 28.6 43.0
170 28.7 19.8 29.8

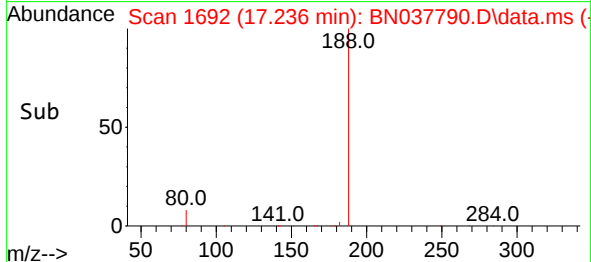
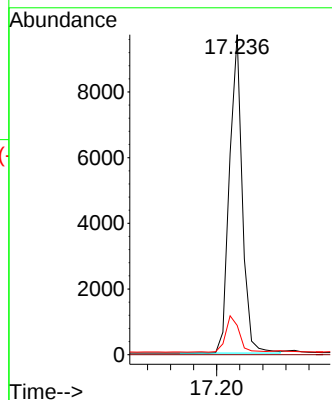
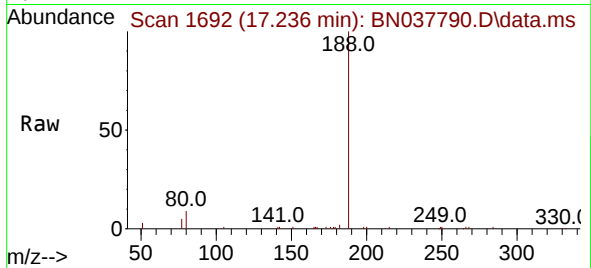




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

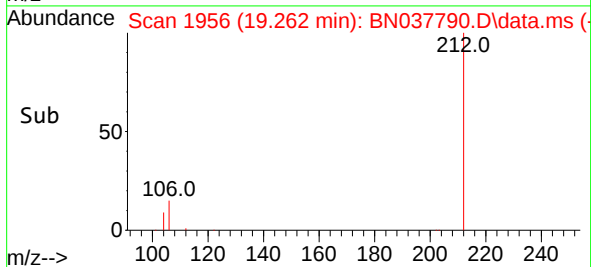
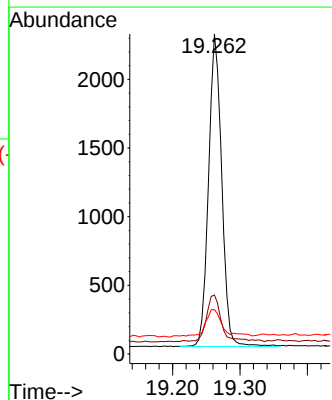
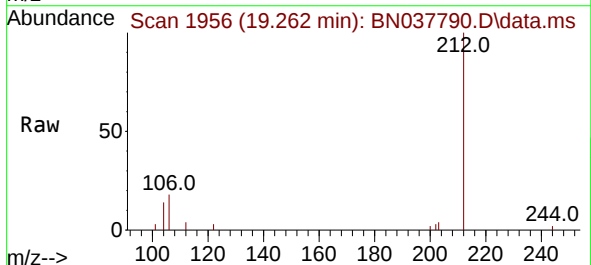
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BNA_N
ClientSampleId :

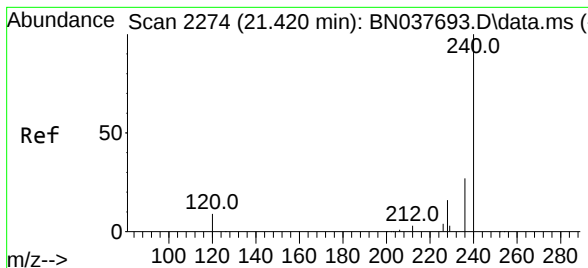
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	10.6	15.8



#27
Fluoranthene-d10
Concen: 0.082 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BN037790.D
Acq: 18 Sep 2025 23:03

Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.8	12.2	18.2
104	10.9	6.9	10.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.402 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN037790.D

Acq: 18 Sep 2025 23:03

Instrument :

BNA_N

ClientSampleId :

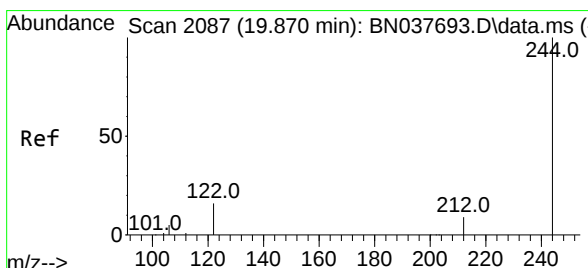
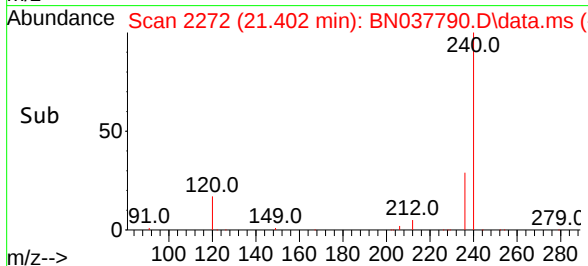
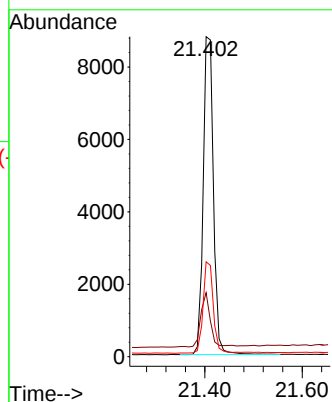
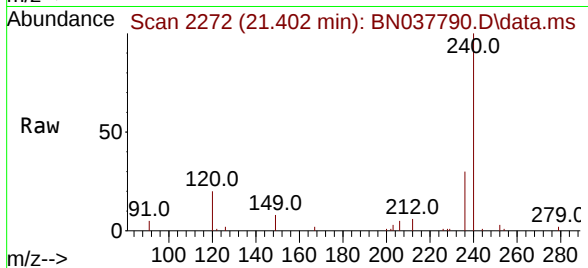
Tgt Ion:240 Resp: 12875

Ion Ratio Lower Upper

240 100

120 20.0 9.2 13.8#

236 29.6 22.6 33.8



#31

Terphenyl-d14

Concen: 0.093 ng

RT: 19.861 min Scan# 2085

Delta R.T. -0.009 min

Lab File: BN037790.D

Acq: 18 Sep 2025 23:03

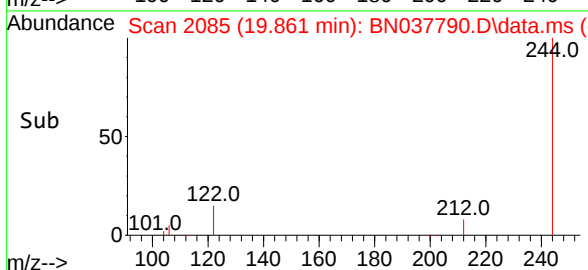
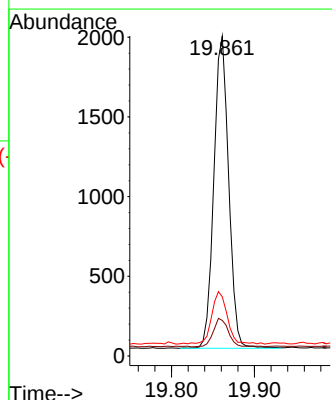
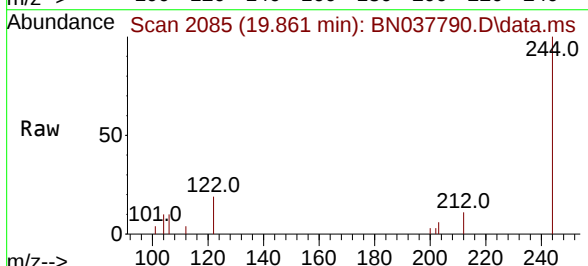
Tgt Ion:244 Resp: 2426

Ion Ratio Lower Upper

244 100

212 11.1 7.5 11.3

122 18.5 13.2 19.8

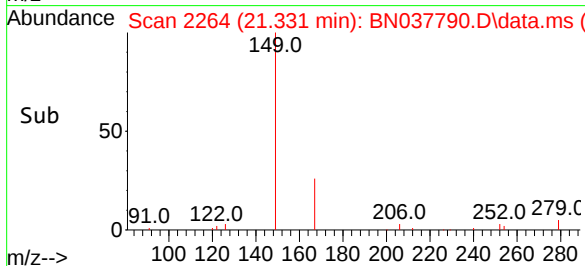
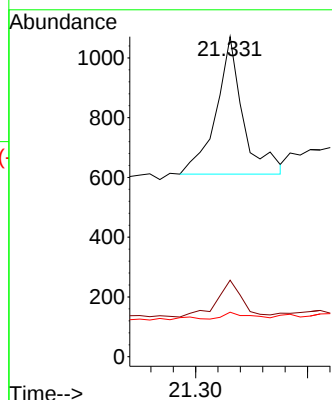
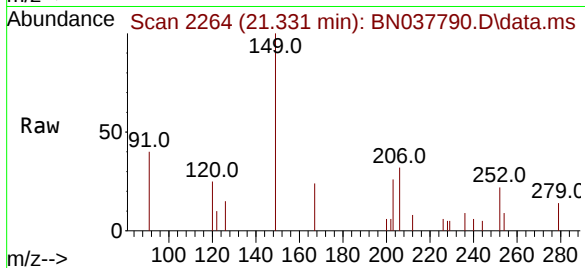




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.057 ng
 RT: 21.331 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN037790.D
 Acq: 18 Sep 2025 23:03

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:149 Resp: 764
 Ion Ratio Lower Upper
 149 100
 167 24.9 20.8 31.2
 279 4.6 3.3 4.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.739 min Scan# 2840
 Delta R.T. -0.015 min
 Lab File: BN037790.D
 Acq: 18 Sep 2025 23:03

Tgt Ion:264 Resp: 12853
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.8 32.8
 265 71.2 39.4 59.2#

