

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091825\
 Data File : BN037798.D
 Acq On : 19 Sep 2025 04:37
 Operator : RC/JU
 Sample : Q3095-30
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE104D1-20250910

Quant Time: Sep 19 07:42:23 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)

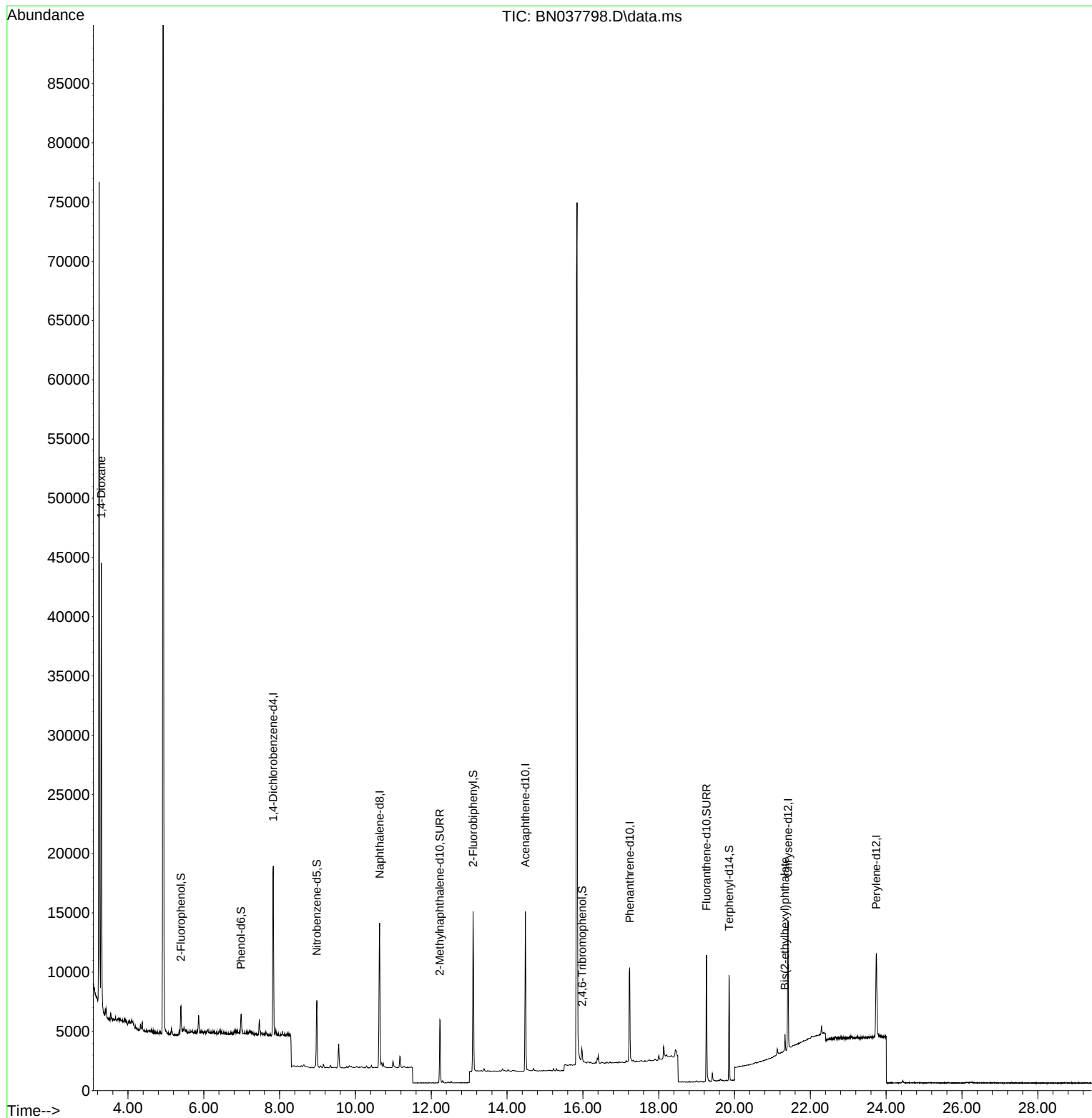
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6794	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	16429	0.400	ng	-0.01
13) Acenaphthene-d10	14.484	164	7128	0.400	ng	-0.01
19) Phenanthrene-d10	17.235	188	12460	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	10431	0.400	ng	0.00
35) Perylene-d12	23.741	264	10216	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	1990	0.128	ng	0.00
5) Phenol-d6	6.980	99	1546	0.076	ng	0.00
8) Nitrobenzene-d5	8.982	82	4432	0.369	ng	-0.01
11) 2-Methylnaphthalene-d10	12.227	152	7188	0.330	ng	-0.02
14) 2,4,6-Tribromophenol	15.982	330	711	0.382	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	11119	0.373	ng	-0.01
27) Fluoranthene-d10	19.262	212	11430	0.365	ng	0.00
31) Terphenyl-d14	19.856	244	8081	0.382	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.297	88	21323	3.013	ng	95
34) Bis(2-ethylhexyl)phtha...	21.330	149	1275	0.118	ng	98

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

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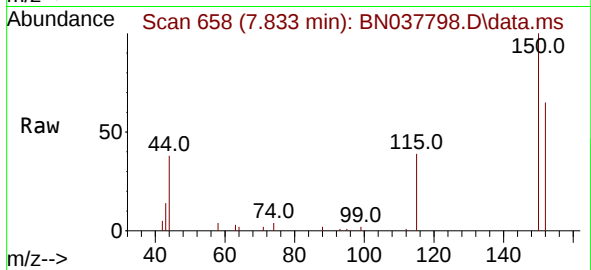
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 14:20:01 2025
Response via : Initial Calibration



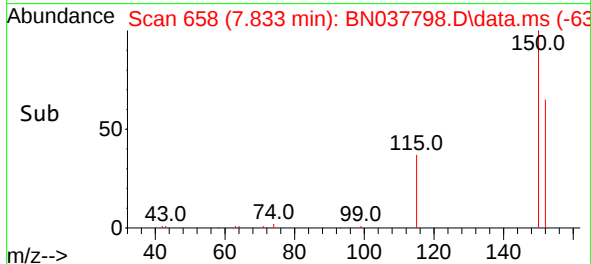
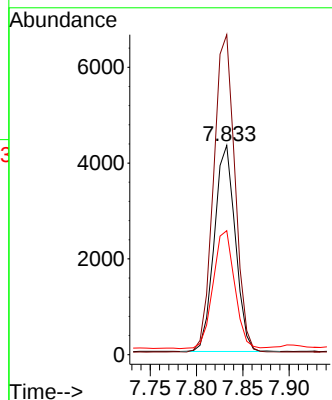


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.833 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037798.D
 Acq: 19 Sep 2025 04:37

Instrument :
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 ClientSampleId :
 RE104D1-20250910

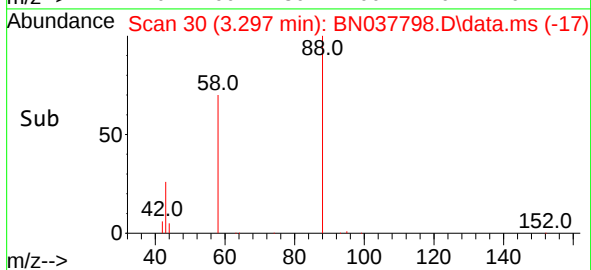
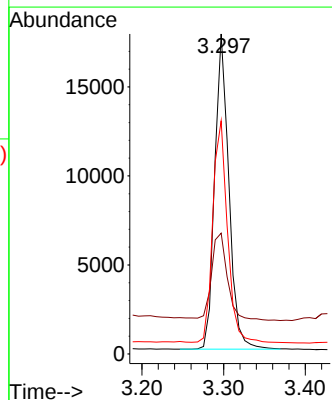
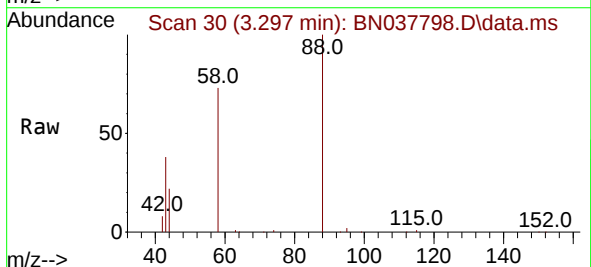


Tgt Ion:152 Resp: 6794
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.5 186.7
 115 59.2 49.2 73.8



#2
 1,4-Dioxane
 Concen: 3.013 ng
 RT: 3.297 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BN037798.D
 Acq: 19 Sep 2025 04:37

Tgt Ion: 88 Resp: 21323
 Ion Ratio Lower Upper
 88 100
 43 31.2 26.8 40.2
 58 72.7 61.9 92.9

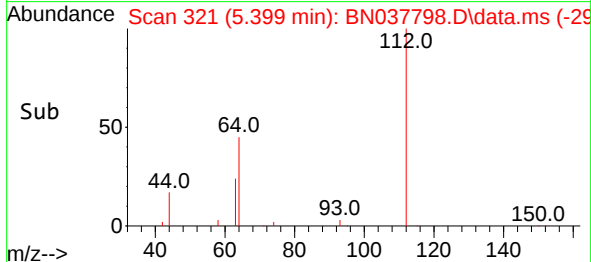
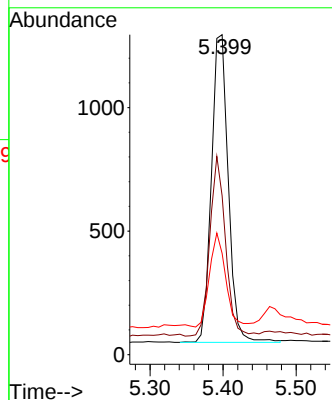
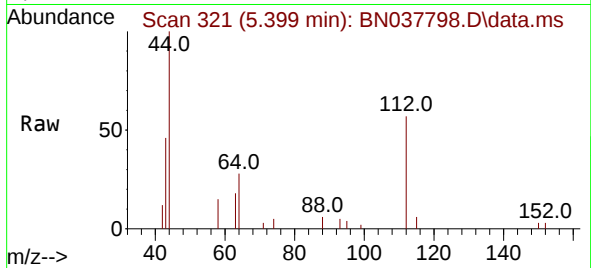




#4
2-Fluorophenol
Concen: 0.128 ng
RT: 5.399 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

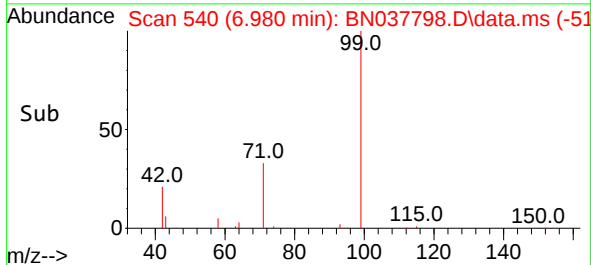
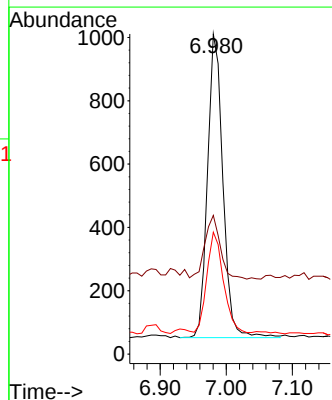
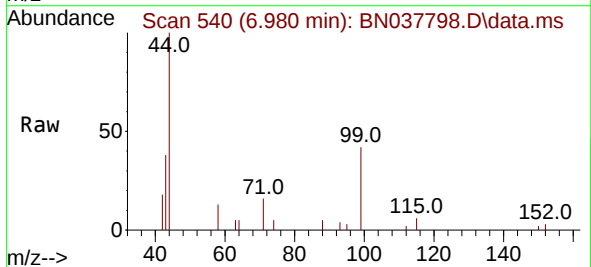
Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

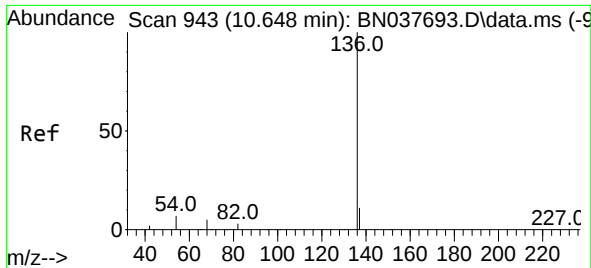
Tgt Ion:112 Resp: 1990
Ion Ratio Lower Upper
112 100
64 54.6 44.9 67.3
63 29.3 24.7 37.1



#5
Phenol-d6
Concen: 0.076 ng
RT: 6.980 min Scan# 540
Delta R.T. -0.007 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion: 99 Resp: 1546
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 36.7 26.7 40.1

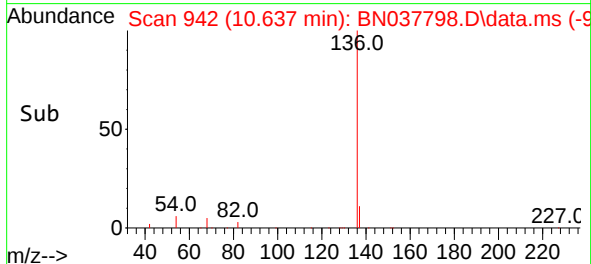
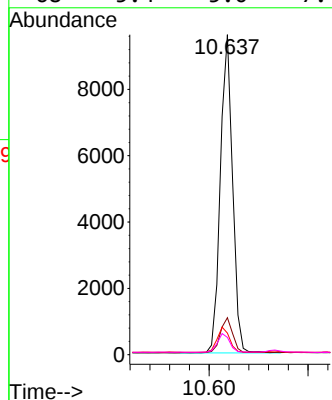
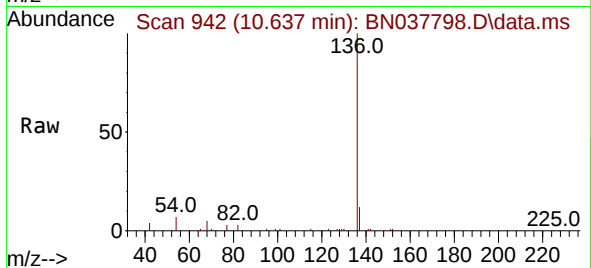




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 94
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

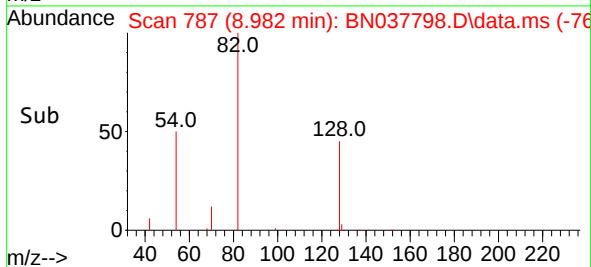
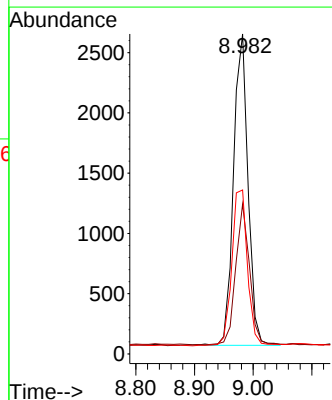
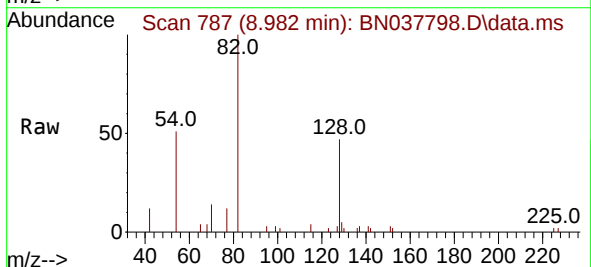
Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:	136	Resp:	16429
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	6.8	6.3	9.5
68	5.4	5.0	7.4



#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 8.982 min Scan# 787
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:	82	Resp:	4432
Ion Ratio	Lower	Upper	
82	100		
128	46.9	38.3	57.5
54	51.3	41.4	62.2

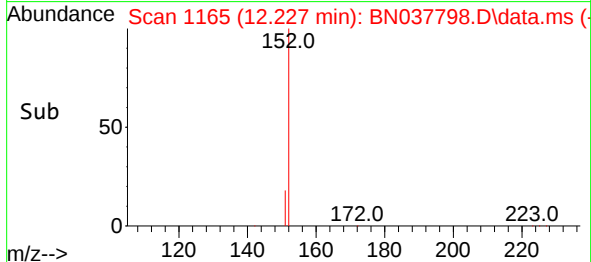
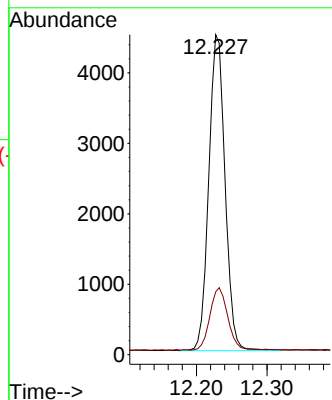
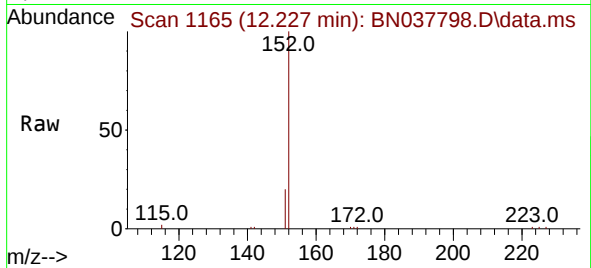




#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.227 min Scan# 1165
Delta R.T. -0.015 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

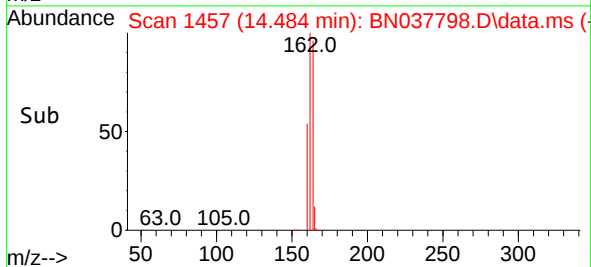
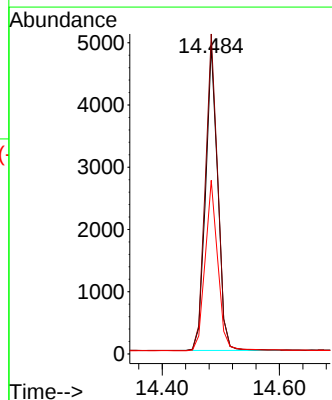
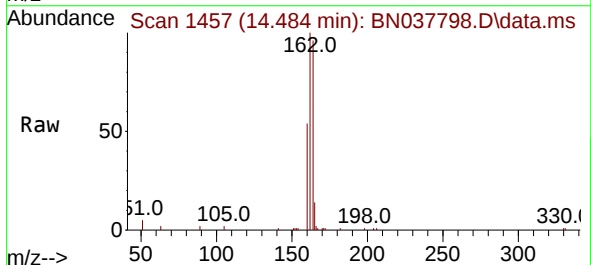
Instrument :
BNA_N
ClientSampleId :
RE104D1-20250910

Tgt Ion:152 Resp: 7188
Ion Ratio Lower Upper
152 100
151 21.5 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: BN037798.D
Acq: 19 Sep 2025 04:37

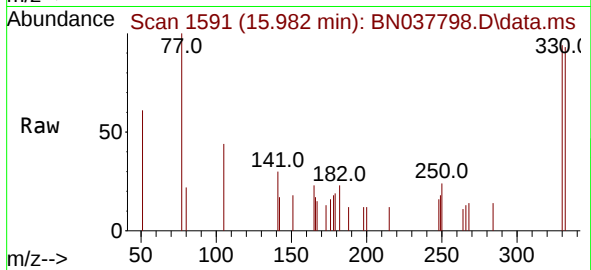
Tgt Ion:164 Resp: 7128
Ion Ratio Lower Upper
164 100
162 103.8 83.1 124.7
160 56.3 44.3 66.5



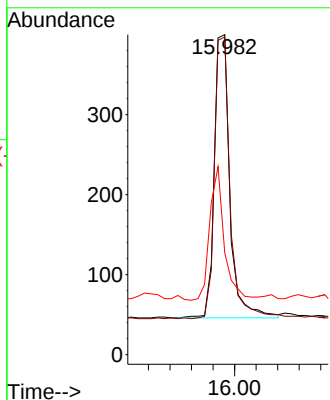
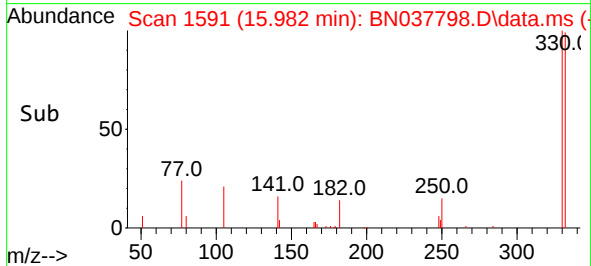


#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.982 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

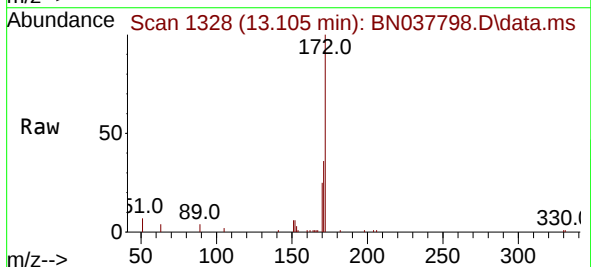
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ClientSampleId :
RE104D1-20250910



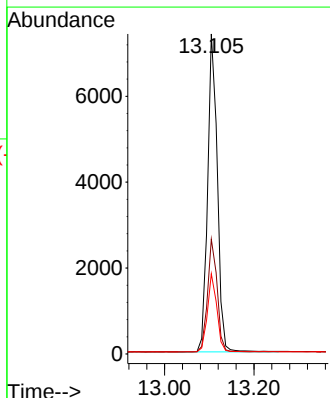
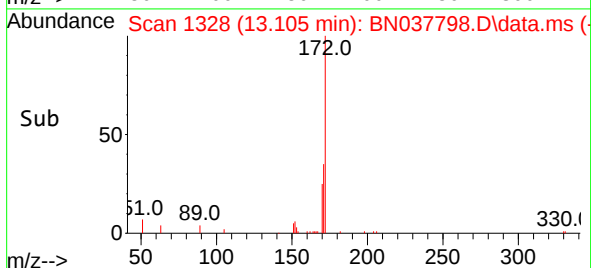
Tgt Ion:330 Resp: 711
Ion Ratio Lower Upper
330 100
332 100.6 75.3 112.9
141 43.7 35.0 52.4



#15
2-Fluorobiphenyl
Concen: 0.373 ng
RT: 13.105 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37



Tgt Ion:172 Resp: 11119
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 25.1 19.8 29.8

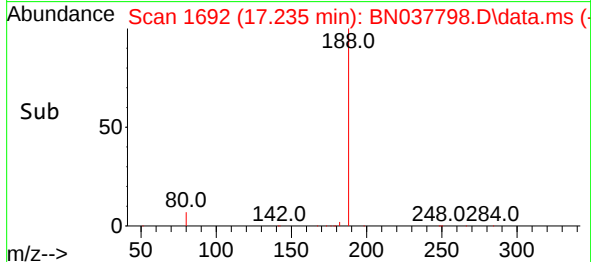
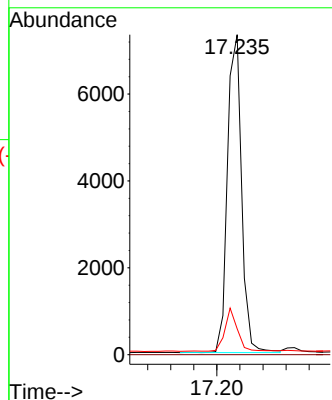
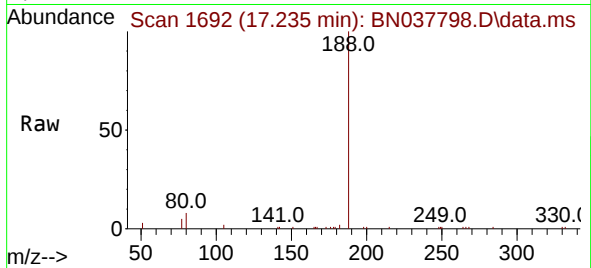




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.235 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

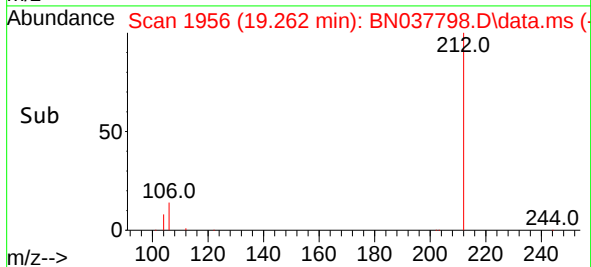
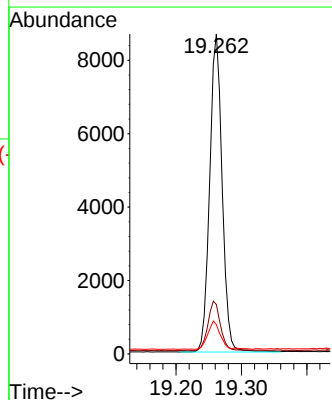
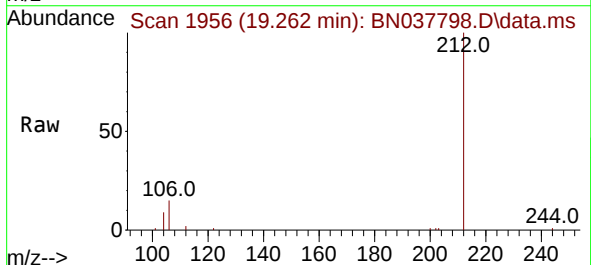
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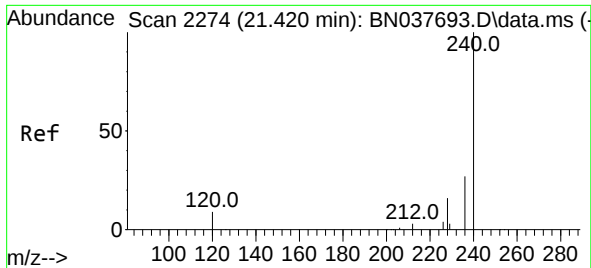
Tgt Ion:188 Resp: 12460
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 10.6 15.8#



#27
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.262 min Scan# 1956
Delta R.T. -0.010 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:212 Resp: 11430
Ion Ratio Lower Upper
212 100
106 15.9 12.2 18.2
104 9.0 6.9 10.3

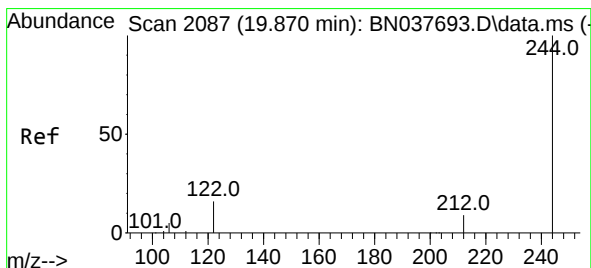
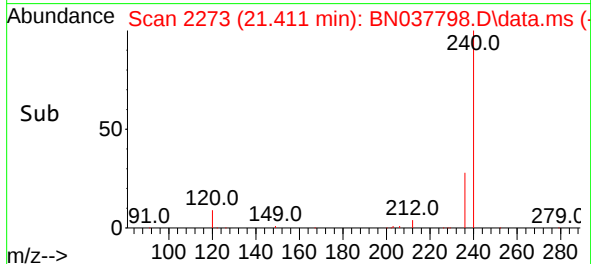
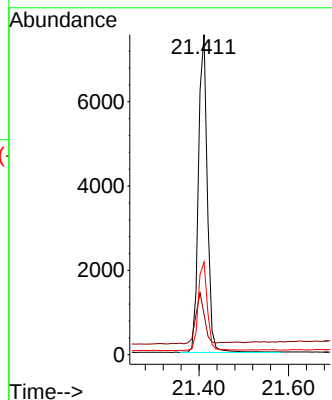
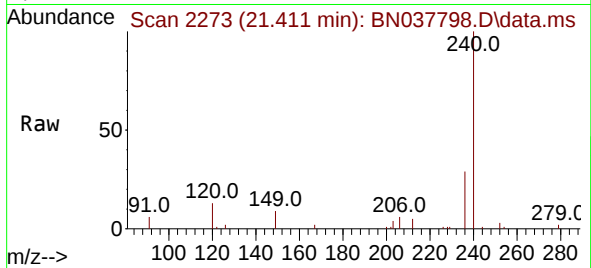




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

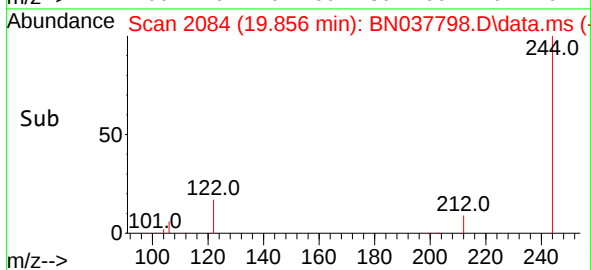
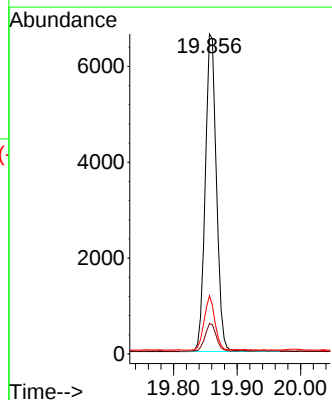
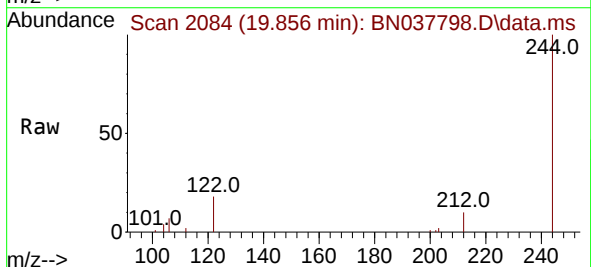
Instrument :
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Tgt Ion:240 Resp: 10431
Ion Ratio Lower Upper
240 100
120 12.6 9.2 13.8
236 29.0 22.6 33.8



#31
Terphenyl-d14
Concen: 0.382 ng
RT: 19.856 min Scan# 2084
Delta R.T. -0.014 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:244 Resp: 8081
Ion Ratio Lower Upper
244 100
212 9.5 7.5 11.3
122 18.2 13.2 19.8

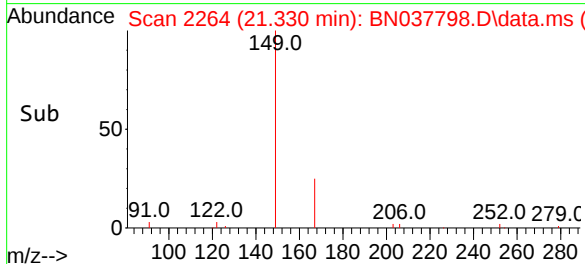
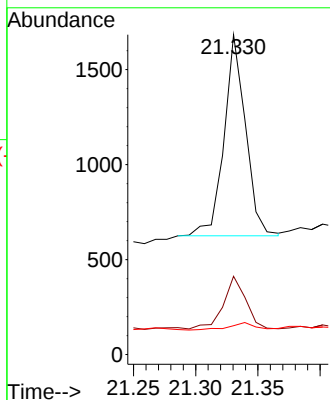
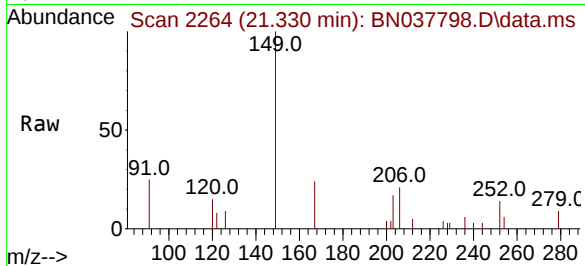




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.118 ng
RT: 21.330 min Scan# 2133
Delta R.T. -0.018 min
Lab File: BN037798.D
Acq: 19 Sep 2025 04:37

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Tgt Ion:149 Resp: 1275
Ion Ratio Lower Upper
149 100
167 27.1 20.8 31.2
279 4.5 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: BN037798.D
Acq: 19 Sep 2025 04:37

Tgt Ion:264 Resp: 10216
Ion Ratio Lower Upper
264 100
260 26.8 21.8 32.8
265 80.6 39.4 59.2#

