

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038375.D
 Acq On : 13 Dec 2025 06:42
 Operator : RC/JU
 Sample : Q3839-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/15/2025
 Supervised By :Jagrut Upadhyay 12/15/2025

Quant Time: Dec 14 22:20:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5279	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14095	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7319	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13259	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	10986	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	11579	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3185	0.242	ng	0.00
5) Phenol-d6	6.887	99	3666	0.235	ng	0.00
8) Nitrobenzene-d5	8.875	82	3070	0.258	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4404	0.221	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	720	0.222	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9473	0.269	ng	0.00
27) Fluoranthene-d10	19.178	212	6931	0.211	ng	0.00
31) Terphenyl-d14	19.782	244	5435	0.222	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.562	128	9230	0.222	ng	97
12) 2-Methylnaphthalene	12.192	142	7883	0.298	ng	98
25) Phenanthrene	17.186	178	9821	0.213	ng	99
28) Fluoranthene	19.211	202	1564	0.032	ng	# 91
30) Pyrene	19.573	202	1642	0.030	ng	# 95
32) Benzo(a)anthracene	21.322	228	922	0.022	ng	# 79
33) Chrysene	21.366	228	1553	0.033	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.259	149	14195	0.610	ng	99

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

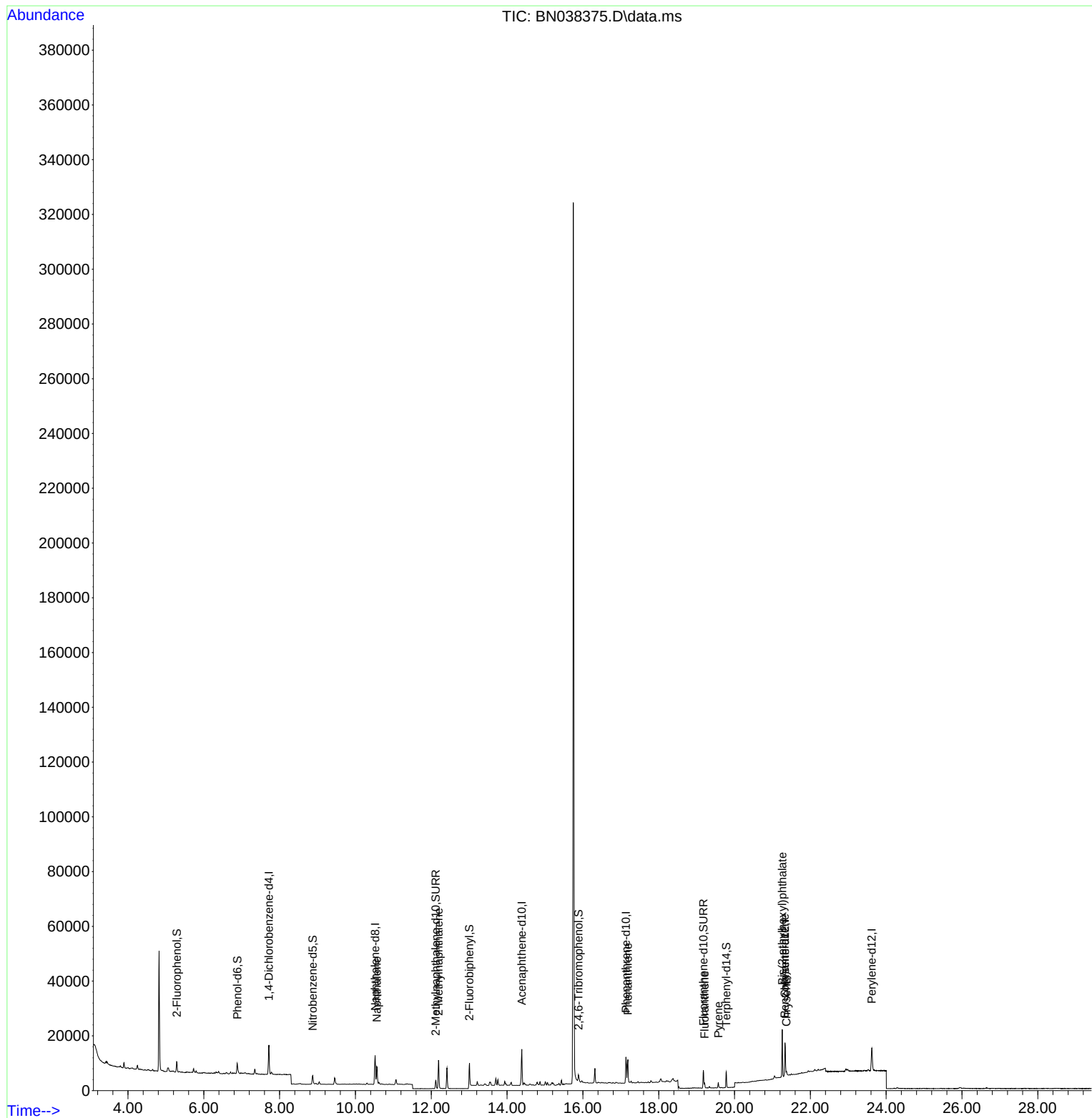
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
Data File : BN038375.D
Acq On : 13 Dec 2025 06:42
Operator : RC/JU
Sample : Q3839-15
Misc :
ALS Vial : 33 Sample Multiplier: 1

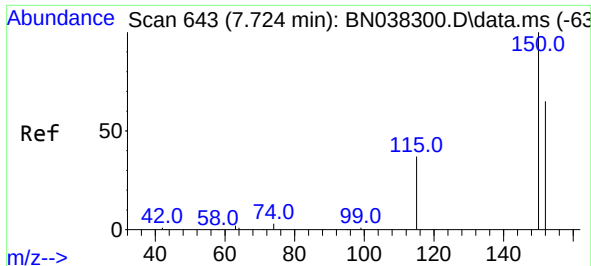
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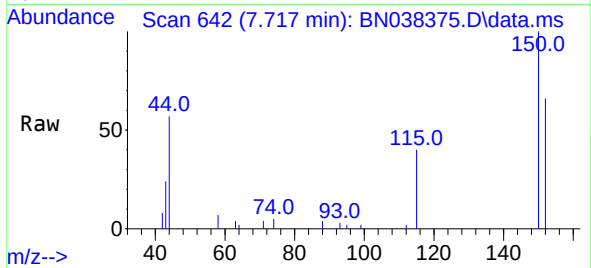
Quant Time: Dec 14 22:20:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 10 13:56:50 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 643
Delta R.T. -0.007 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

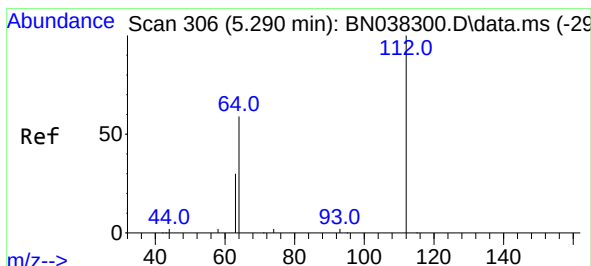
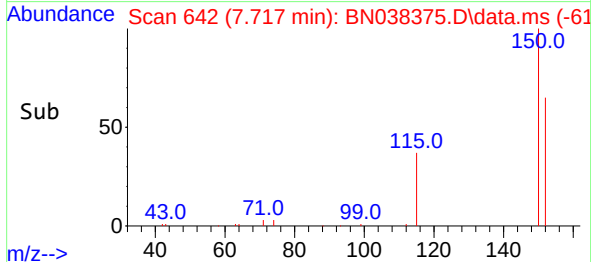
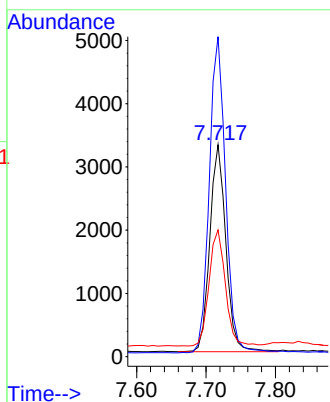
Instrument :
BNA_N
ClientSampleId :
C0AS4



Tgt Ion:152 Resp: 5279
Ion Ratio Lower Upper
152 100
150 151.0 122.4 183.6
115 59.8 47.3 70.9

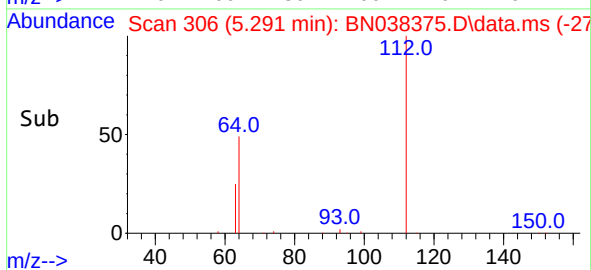
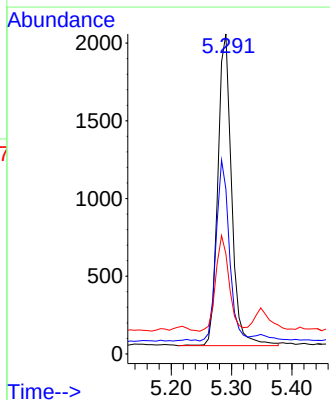
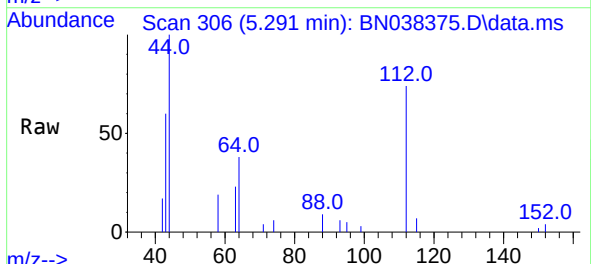
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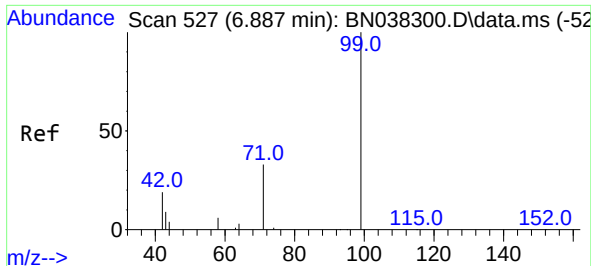
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#4
2-Fluorophenol
Concen: 0.242 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

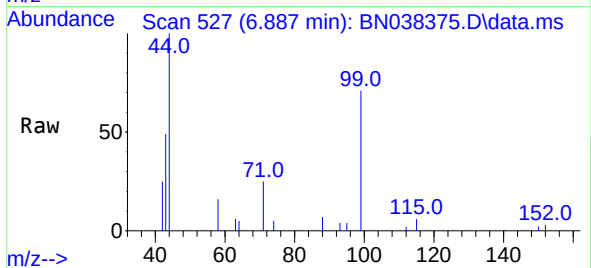
Tgt Ion:112 Resp: 3185
Ion Ratio Lower Upper
112 100
64 55.2 44.4 66.6
63 29.4 23.4 35.0





#5
Phenol-d6
Concen: 0.235 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

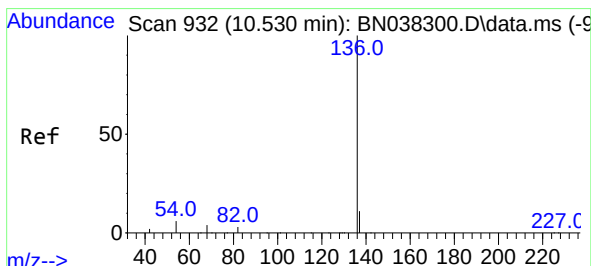
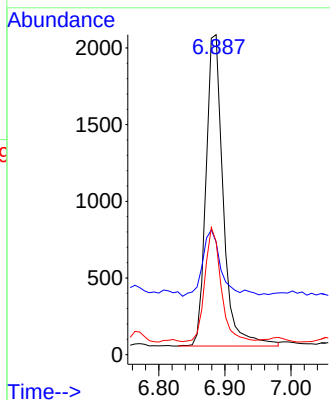
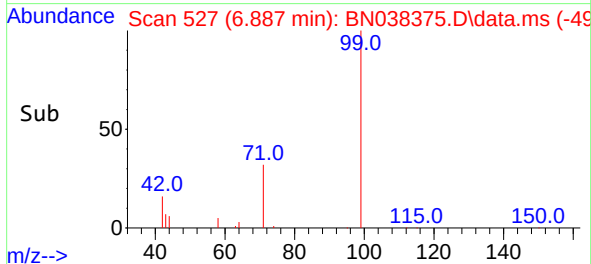
Instrument :
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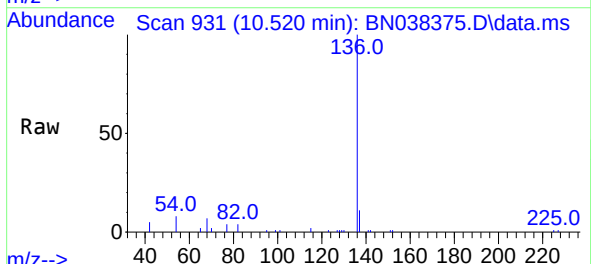
Tgt Ion: 99 Resp: 366
Ion Ratio Lower Upper
99 100
42 21.8 16.5 24.7
71 34.9 24.9 37.3

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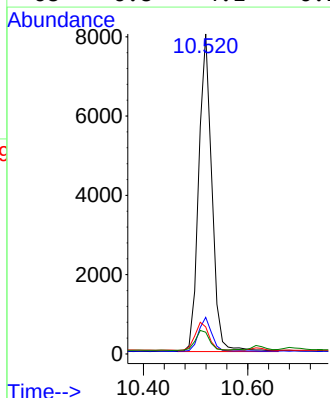
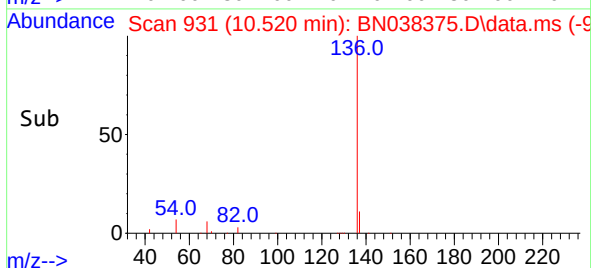
Reviewed By :Rahul Chavli 12/15/2025
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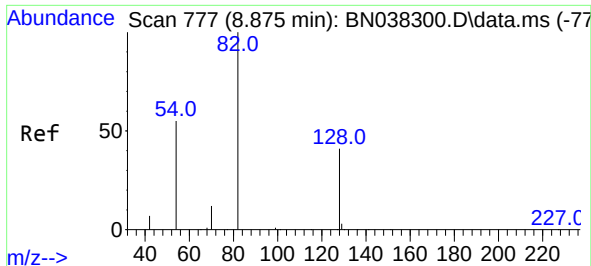


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



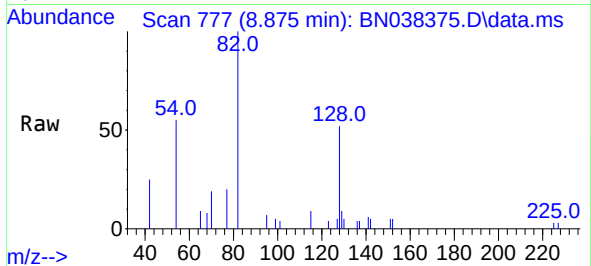
Tgt Ion:136 Resp: 14095
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.5 5.2 7.8#
68 6.8 4.1 6.1#





#8
Nitrobenzene-d5
Concen: 0.258 ng
RT: 8.875 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

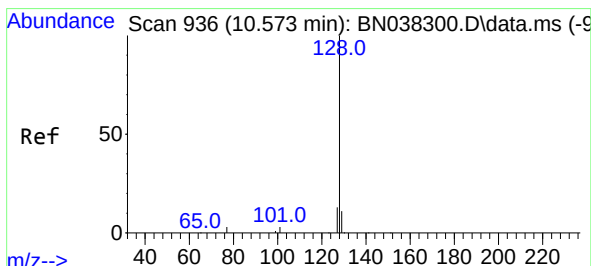
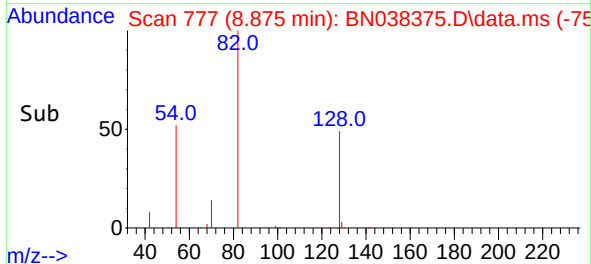
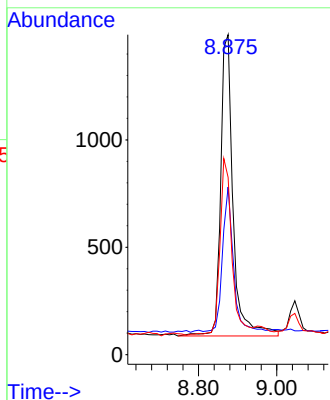
Instrument :
BNA_N
ClientSampleId :
C0AS4



Tgt Ion: 82 Resp: 3070
Ion Ratio Lower Upper
82 100
128 52.4 34.0 51.0
54 55.4 44.4 66.6

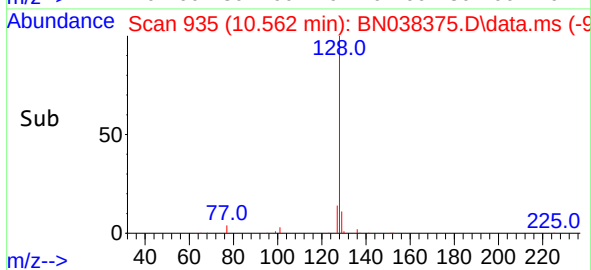
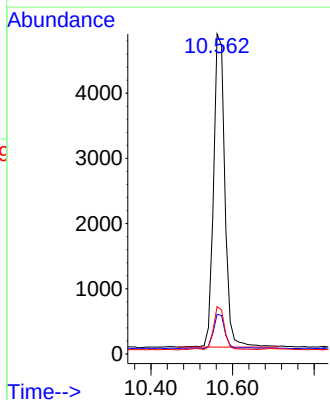
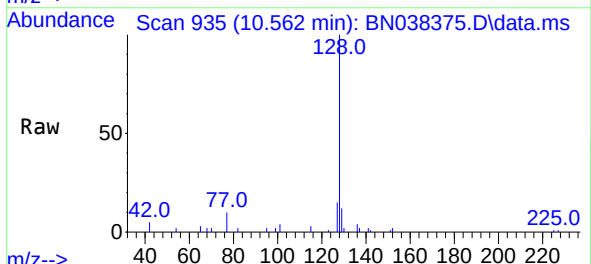
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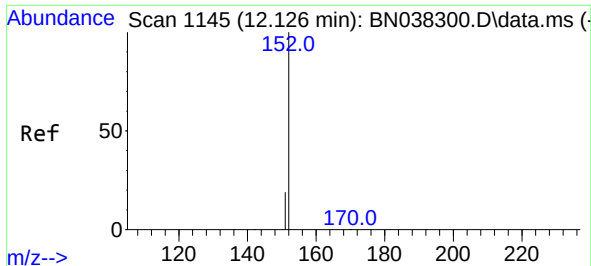
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#9
Naphthalene
Concen: 0.222 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

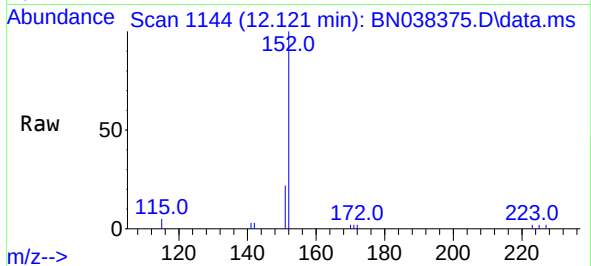
Tgt Ion:128 Resp: 9230
Ion Ratio Lower Upper
128 100
129 12.4 9.1 13.7
127 14.8 10.9 16.3





#11
2-Methylnaphthalene-d10
Concen: 0.221 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

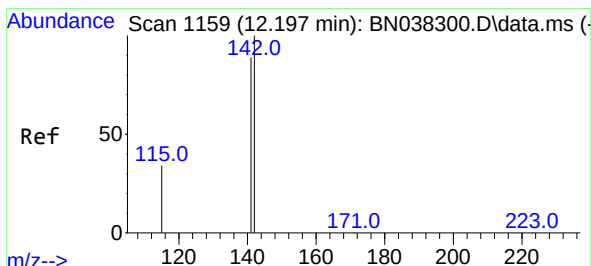
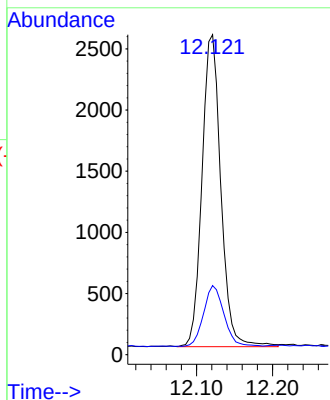
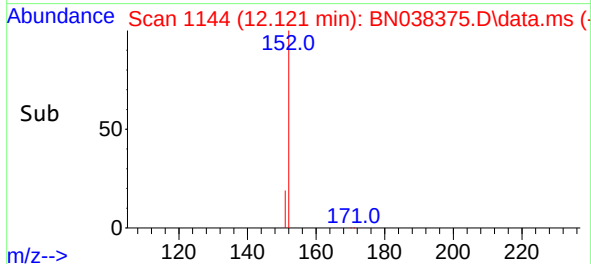
Instrument :
BNA_N
ClientSampleId :
C0AS4



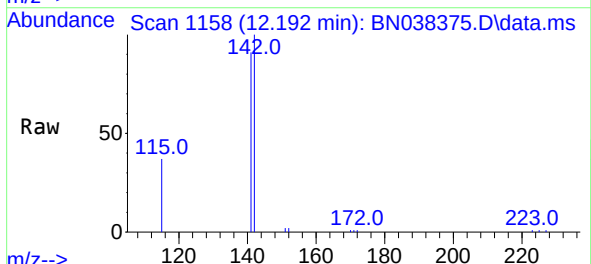
Tgt Ion:152 Resp: 4404
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6

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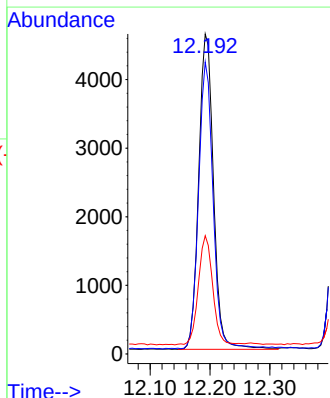
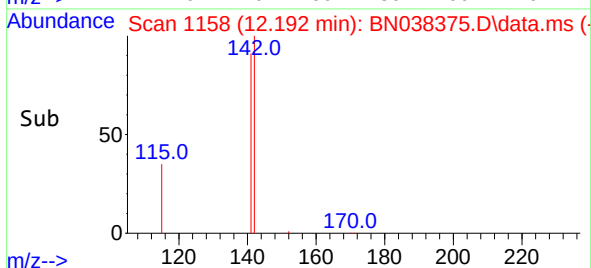
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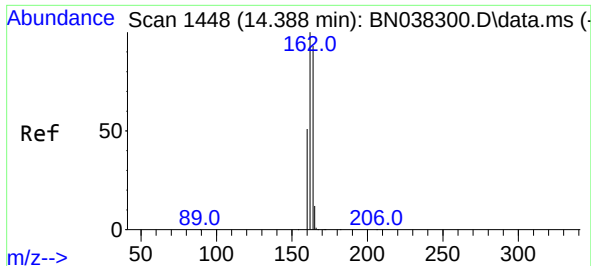


#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



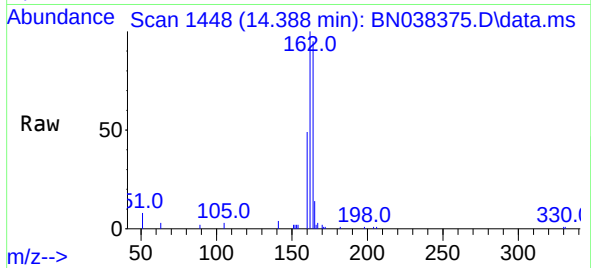
Tgt Ion:142 Resp: 7883
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2
115 37.0 28.4 42.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

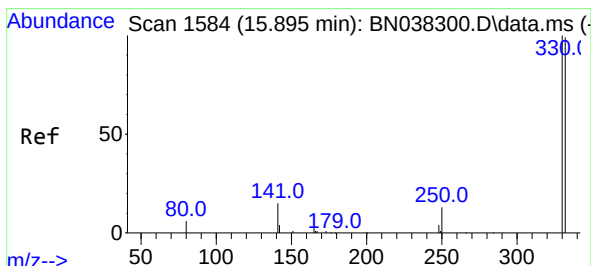
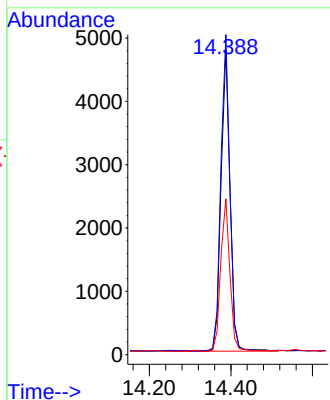
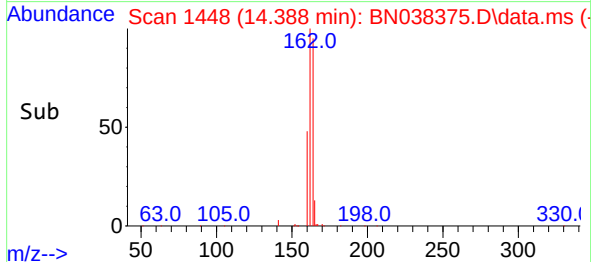
Instrument :
BNA_N
ClientSampleId :
C0AS4



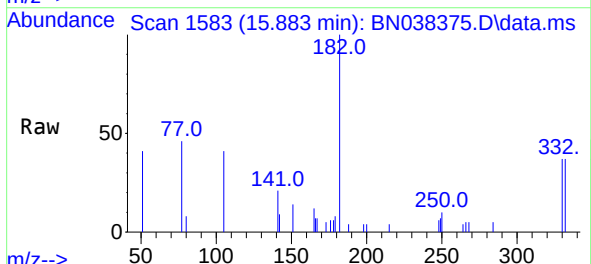
Tgt Ion:164 Resp: 7319
Ion Ratio Lower Upper
164 100
162 104.8 86.2 129.4
160 51.0 44.6 67.0

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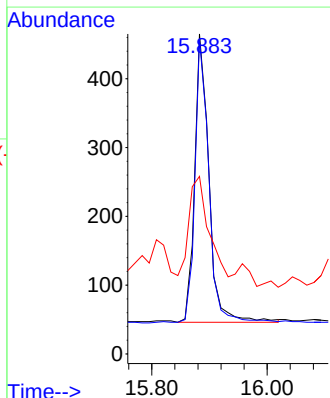
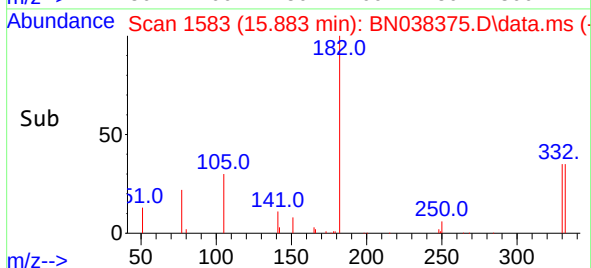
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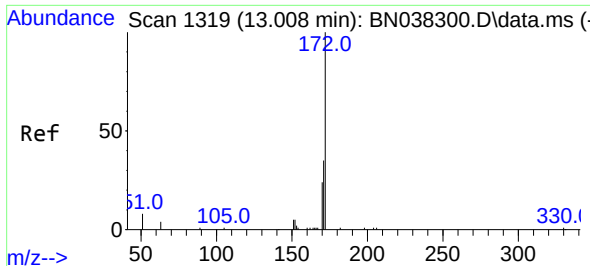


#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.883 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



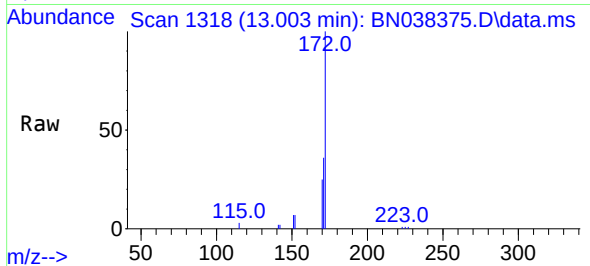
Tgt Ion:330 Resp: 720
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.6
141 46.3 31.8 47.8





#15
2-Fluorobiphenyl
Concen: 0.269 ng
RT: 13.003 min Scan# 1319
Delta R.T. -0.005 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

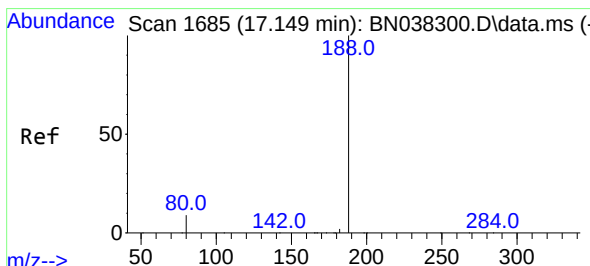
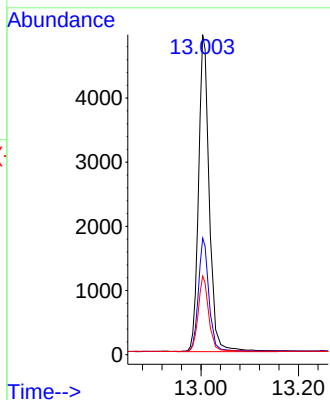
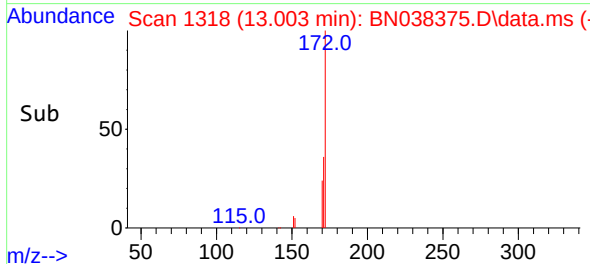
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BNA_N
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C0AS4



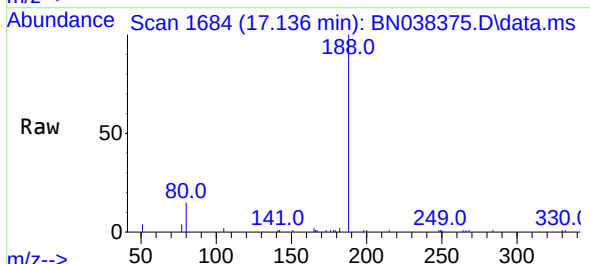
Tgt Ion:172 Resp: 947
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 24.6 19.3 28.9

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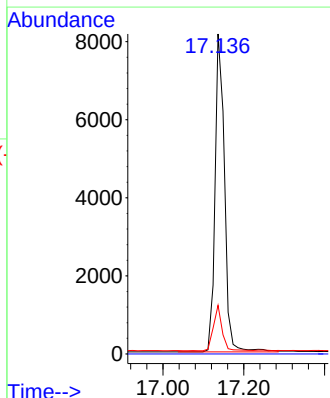
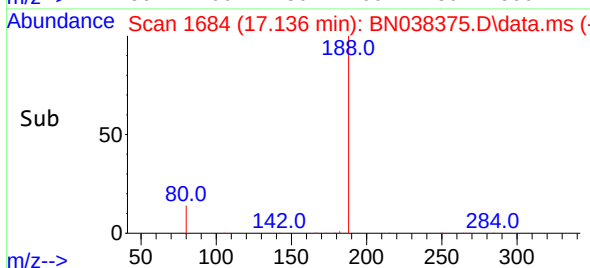
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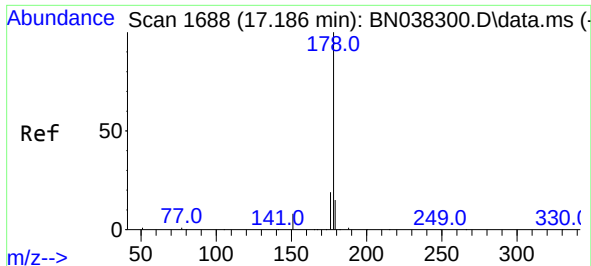


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



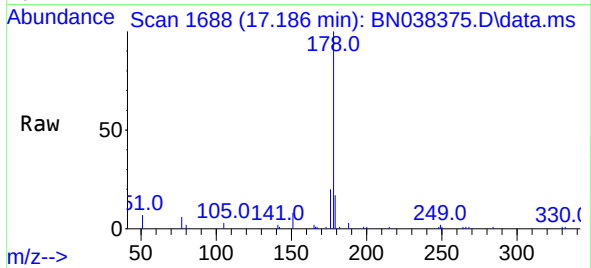
Tgt Ion:188 Resp: 13259
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.2 7.4 11.0#





#25
Phenanthrene
Concen: 0.213 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

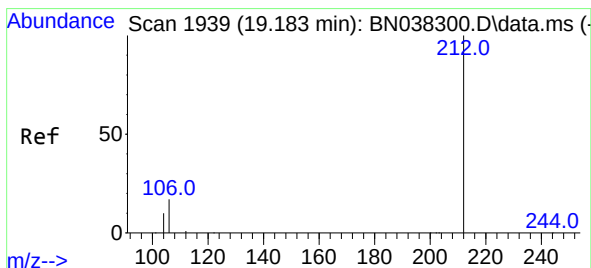
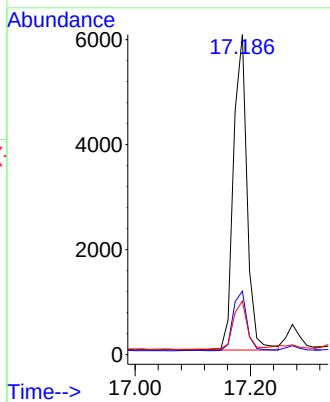
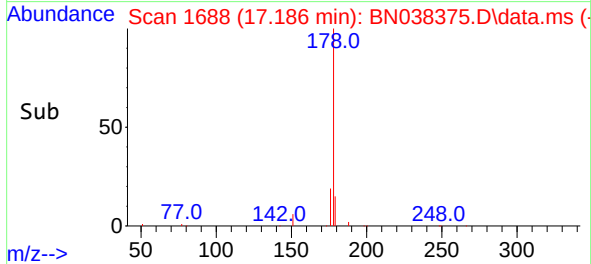
Instrument :
BNA_N
ClientSampleId :
C0AS4



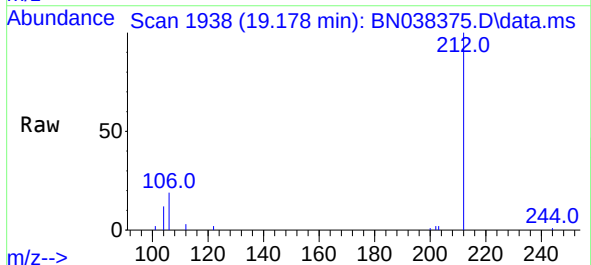
Tgt Ion:178 Resp: 9820
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.6 12.2 18.2

Manual Integrations
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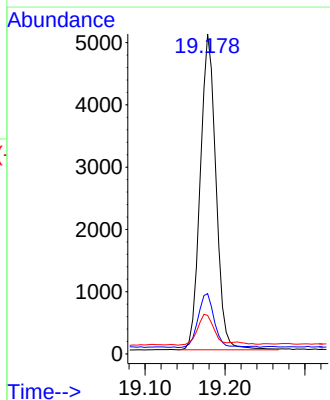
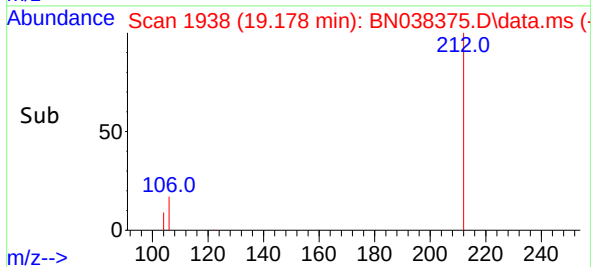
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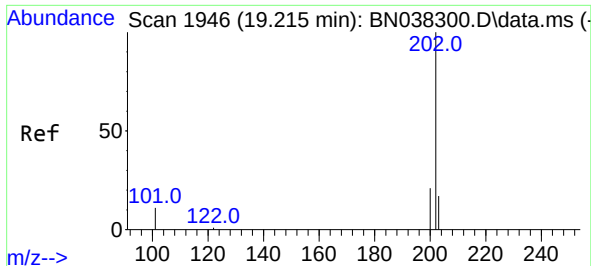


#27
Fluoranthene-d10
Concen: 0.211 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



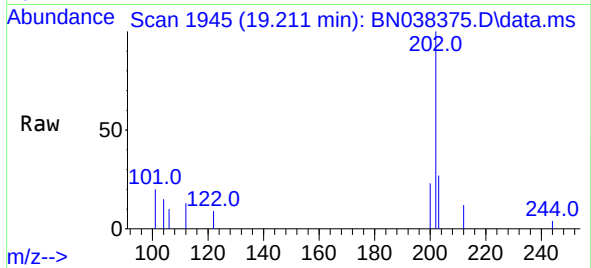
Tgt Ion:212 Resp: 6931
Ion Ratio Lower Upper
212 100
106 17.7 13.7 20.5
104 10.1 7.8 11.8





#28
Fluoranthene
Concen: 0.032 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

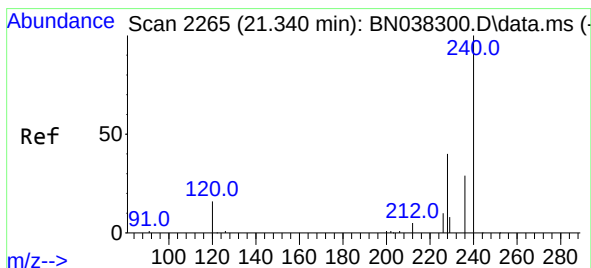
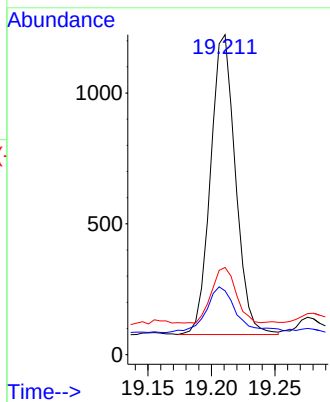
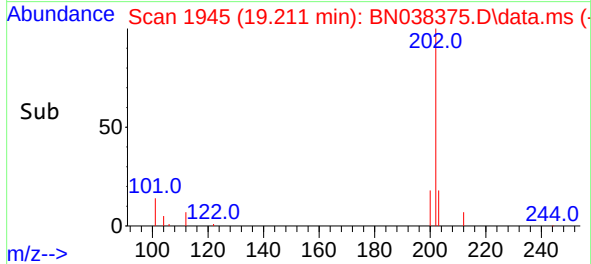
Instrument :
BNA_N
ClientSampleId :
C0AS4



Tgt Ion:202 Resp: 1564
Ion Ratio Lower Upper
202 100
101 18.7 9.6 14.4
203 18.0 13.5 20.3

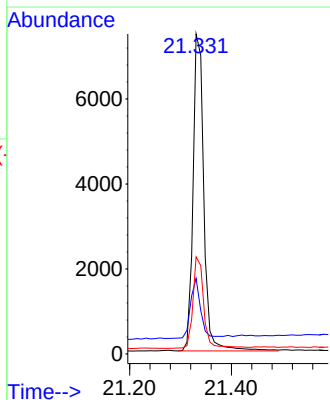
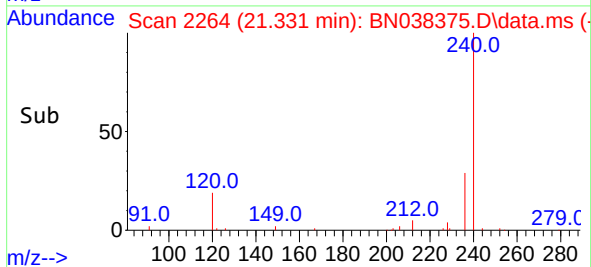
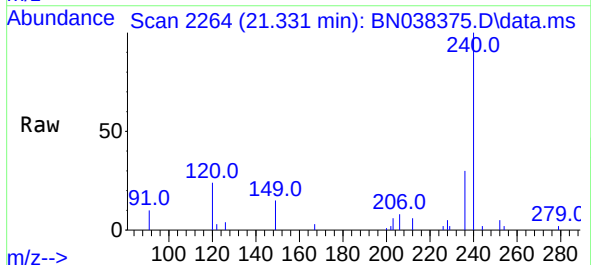
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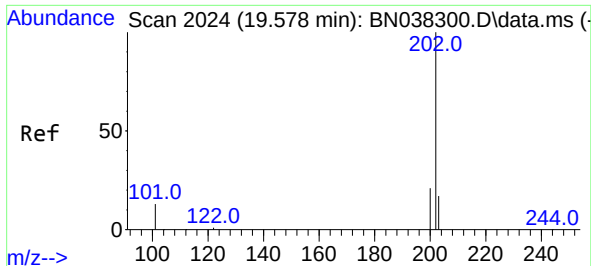
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

Tgt Ion:240 Resp: 10986
Ion Ratio Lower Upper
240 100
120 23.6 15.4 23.2
236 30.3 23.9 35.9





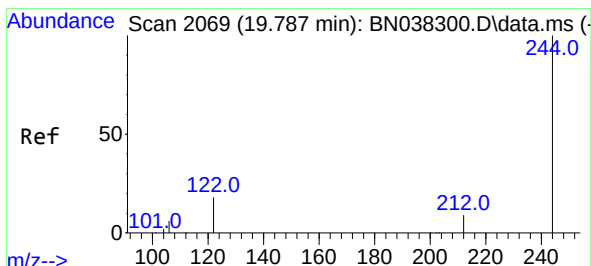
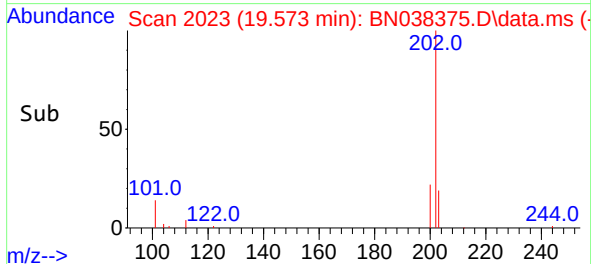
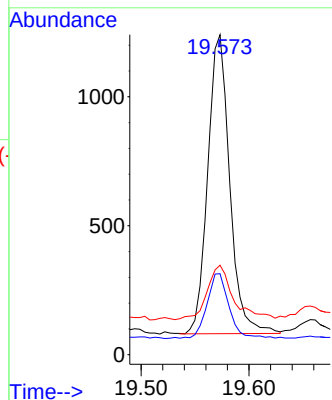
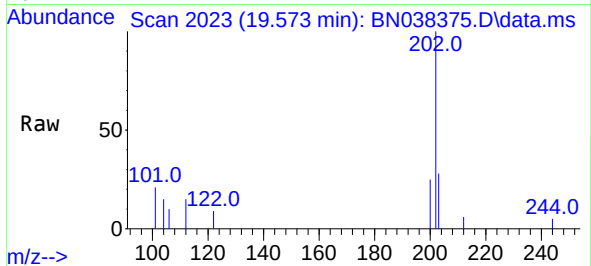
#30
Pyrene
Concen: 0.030 ng
RT: 19.573 min Scan# 2023
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

Instrument :
BNA_N
ClientSampleId :
C0AS4

Tgt Ion:202 Resp: 1642
Ion Ratio Lower Upper
202 100
200 22.0 16.9 25.3
203 21.8 14.2 21.2

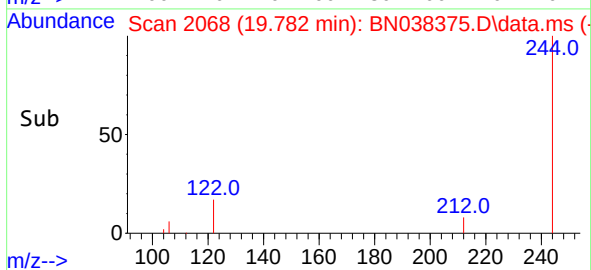
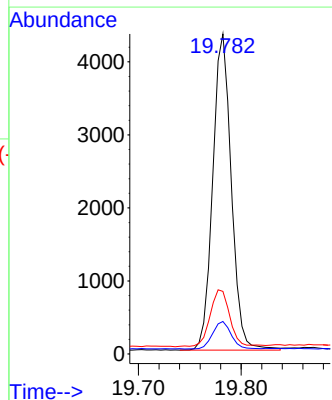
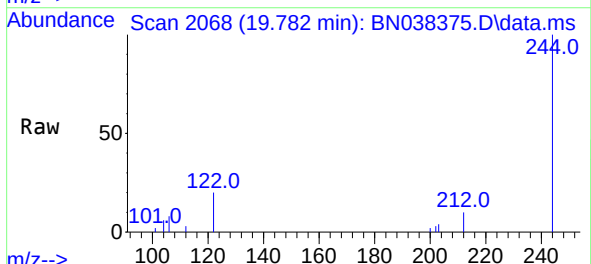
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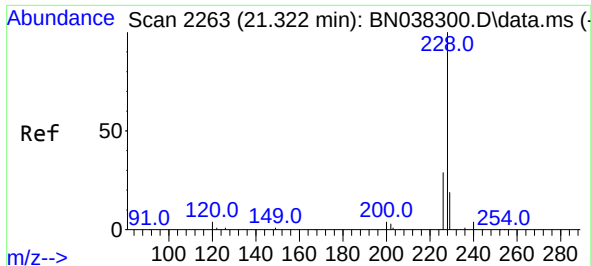
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#31
Terphenyl-d14
Concen: 0.222 ng
RT: 19.782 min Scan# 2068
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

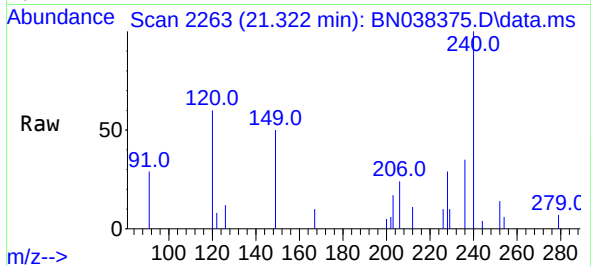
Tgt Ion:244 Resp: 5435
Ion Ratio Lower Upper
244 100
212 10.2 7.9 11.9
122 19.6 15.0 22.6





#32
Benzo(a)anthracene
Concen: 0.022 ng
RT: 21.322 min Scan# 2126
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

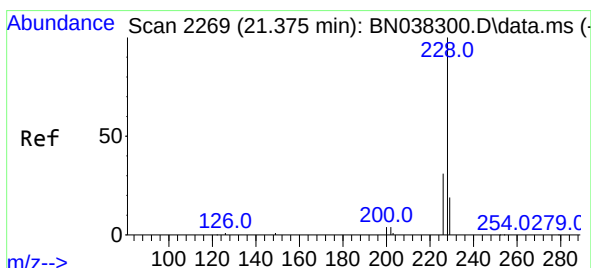
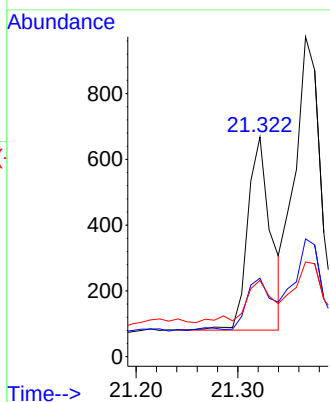
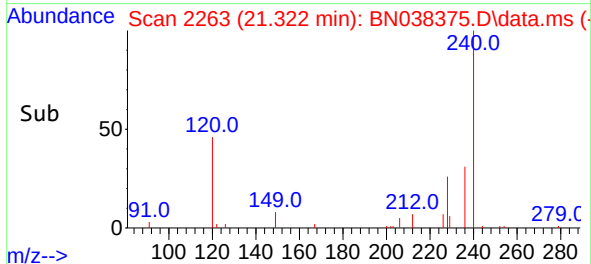
Instrument :
BNA_N
ClientSampleId :
C0AS4



Tgt Ion:228 Resp: 922
Ion Ratio Lower Upper
228 100
226 35.8 23.3 34.9
229 34.7 15.7 23.5

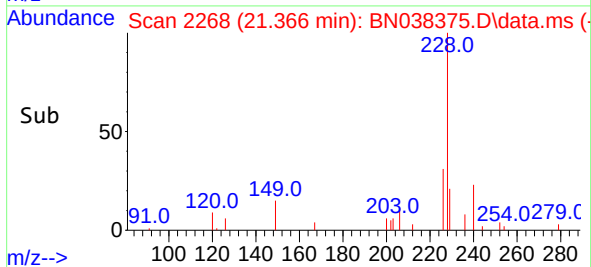
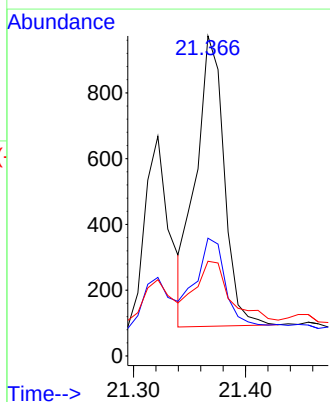
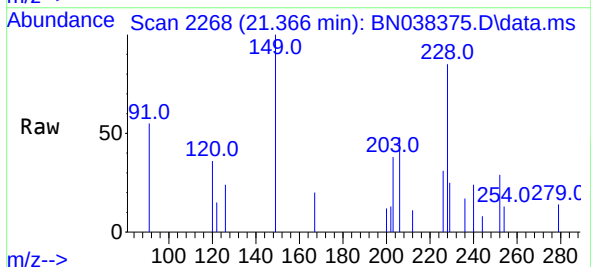
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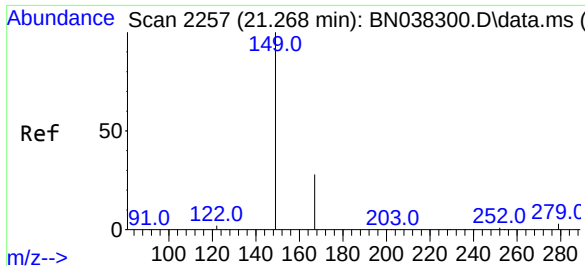
Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#33
Chrysene
Concen: 0.033 ng
RT: 21.366 min Scan# 2268
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

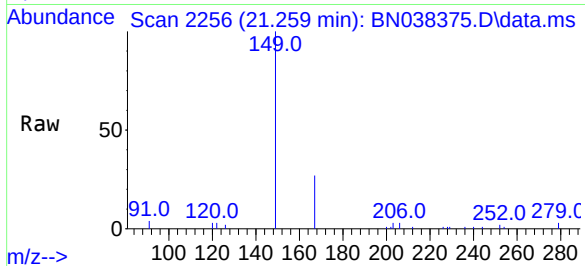
Tgt Ion:228 Resp: 1553
Ion Ratio Lower Upper
228 100
226 36.8 25.0 37.4
229 29.6 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.610 ng
RT: 21.259 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

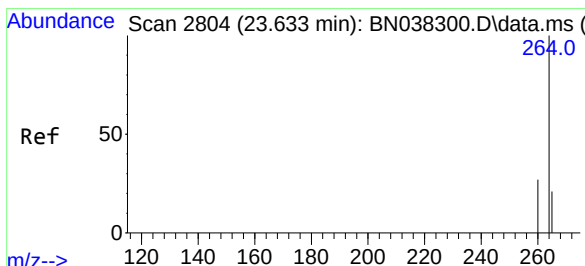
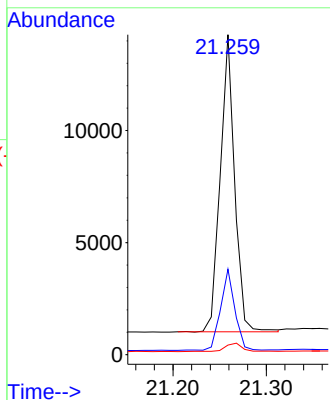
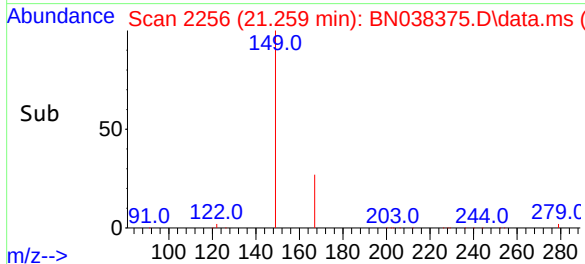
Instrument :
BNA_N
ClientSampleId :
C0AS4



Tgt Ion:149 Resp: 1419
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.0
279 3.5 2.4 3.6

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Reviewed By :Rahul Chavli 12/15/2025
Supervised By :Jagrut Upadhyay 12/15/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.622 min Scan# 2800
Delta R.T. -0.012 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

Tgt Ion:264 Resp: 11579
Ion Ratio Lower Upper
264 100
260 27.7 22.2 33.2
265 101.4 80.2 120.2

