

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037208.D
 Acq On : 10 Jun 2025 01:36
 Operator : RC/JU
 Sample : Q2234-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 10 04:05:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

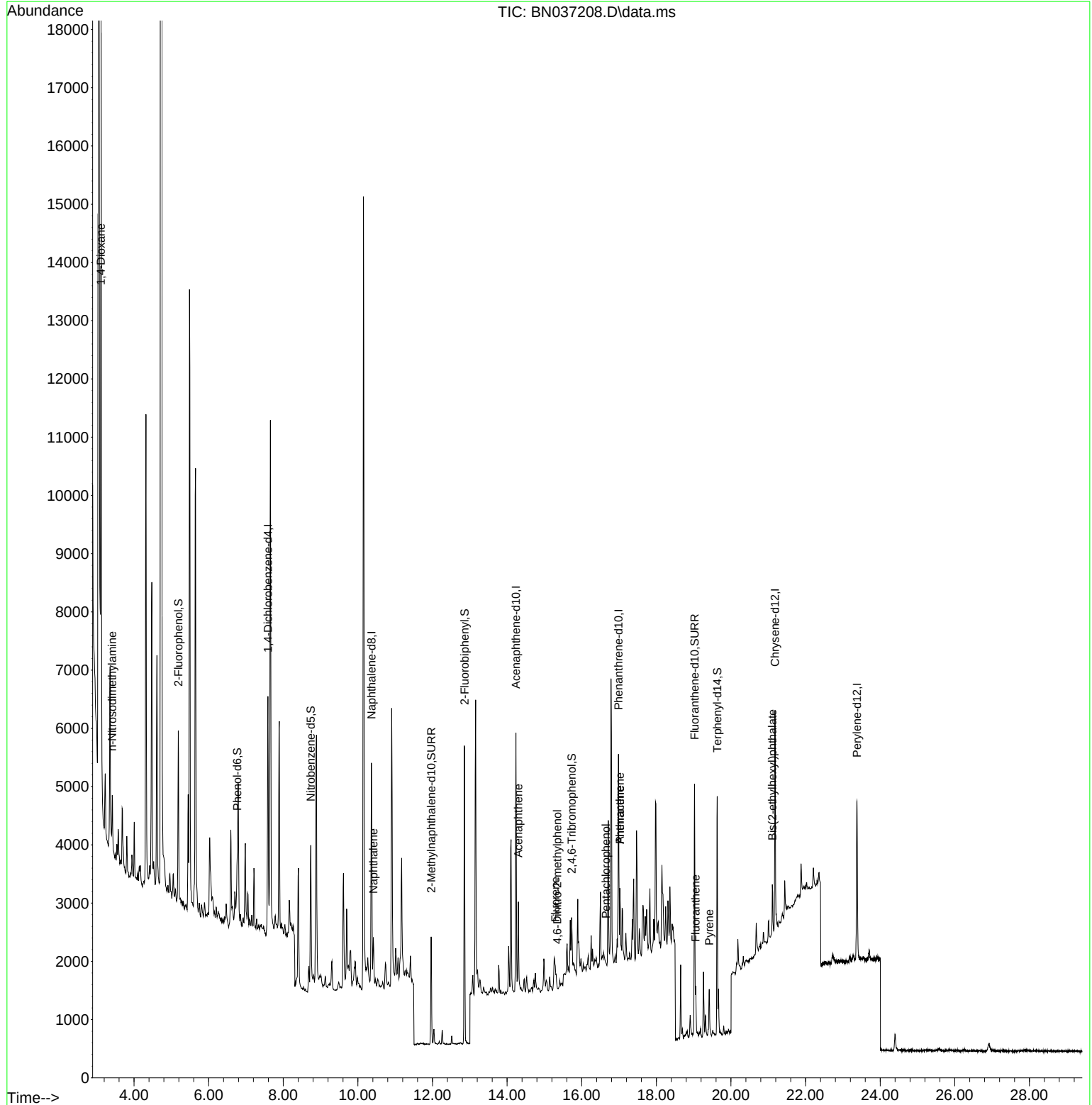
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1777	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4601	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2273	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4128	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3296	0.400	ng	# 0.00
35) Perylene-d12	23.377	264	3376	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	1009	0.230	ng	0.00
5) Phenol-d6	6.766	99	793	0.149	ng	0.00
8) Nitrobenzene-d5	8.739	82	2046	0.421	ng	0.00
11) 2-Methylnaphthalene-d10	11.965	152	2446	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.730	330	428	0.468	ng	-0.01
15) 2-Fluorobiphenyl	12.858	172	4427	0.457	ng	0.00
27) Fluoranthene-d10	19.021	212	4536	0.432	ng	0.00
31) Terphenyl-d14	19.630	244	3776	0.487	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.112	88	7925	3.346	ng	# 82
3) n-Nitrosodimethylamine	3.415	42	153	0.032	ng	# 23
9) Naphthalene	10.415	128	853	0.064	ng	# 84
17) Acenaphthene	14.299	154	359	0.050	ng	96
18) Fluorene	15.293	166	233	0.024	ng	# 87
20) 4,6-Dinitro-2-methylph...	15.346	198	7	0.280	ng	# 1
24) Pentachlorophenol	16.649	266	9	0.220	ng	# 6
25) Phenanthrene	17.021	178	1280	0.096	ng	100
26) Anthracene	17.021	178	1262	0.103	ng	98
28) Fluoranthene	19.054	202	693	0.047	ng	# 94
30) Pyrene	19.416	202	647	0.040	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.108	149	864	0.115	ng	# 97

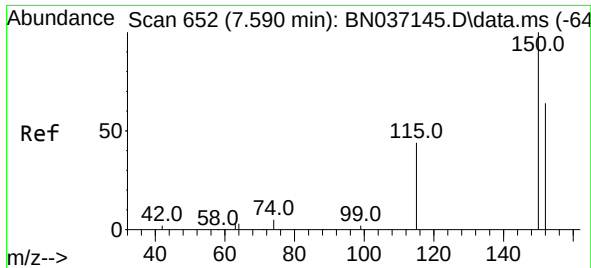
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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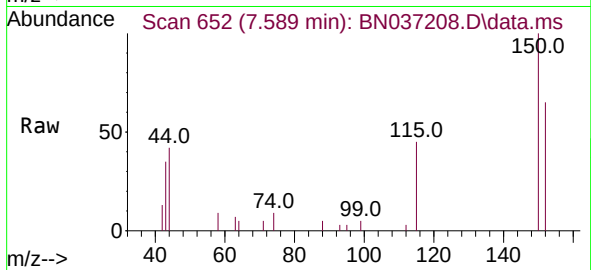
Quant Time: Jun 10 04:05:32 2025
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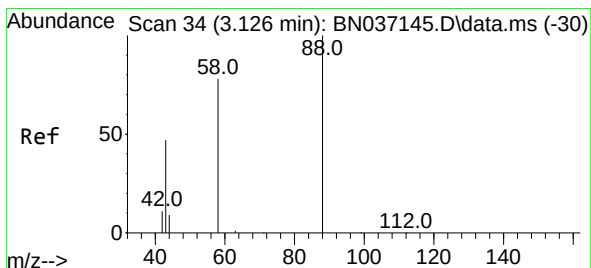
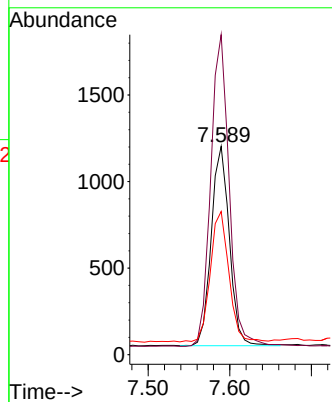
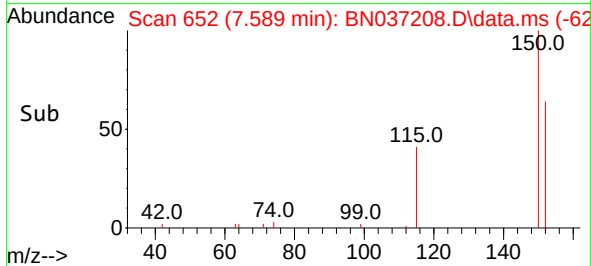


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

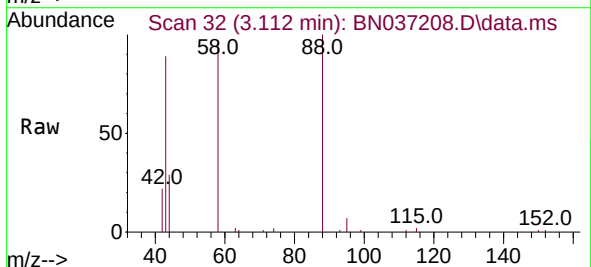
Instrument :
 BNA_N
 ClientSampleId :



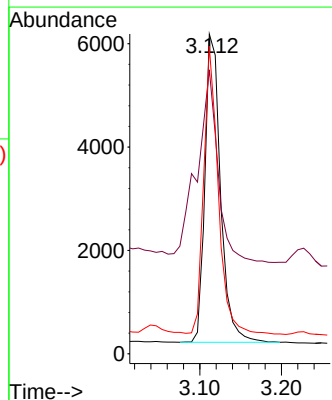
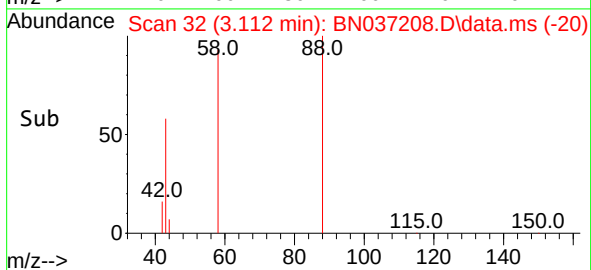
Tgt Ion:152 Resp: 1777
 Ion Ratio Lower Upper
 152 100
 150 153.7 123.2 184.8
 115 68.7 56.6 85.0

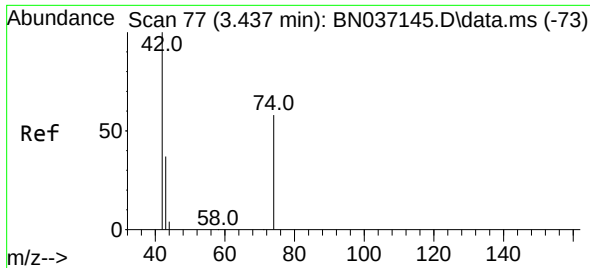


#2
 1,4-Dioxane
 Concen: 3.346 ng
 RT: 3.112 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36



Tgt Ion: 88 Resp: 7925
 Ion Ratio Lower Upper
 88 100
 43 85.6 43.5 65.3#
 58 86.5 67.7 101.5

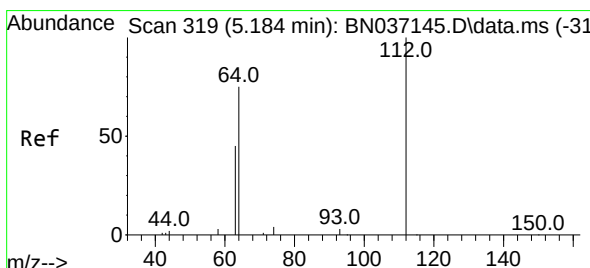
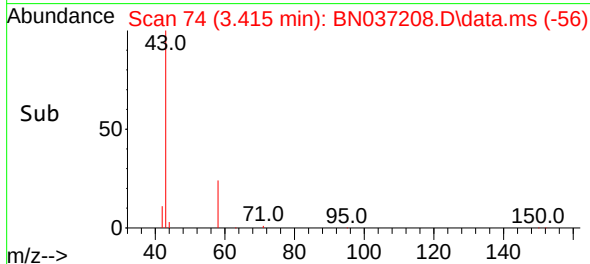
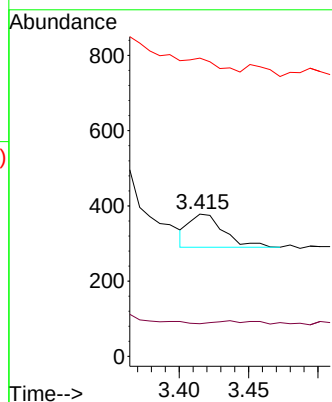
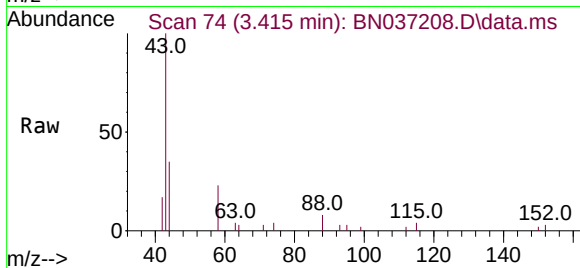




#3
n-Nitrosodimethylamine
Concen: 0.032 ng
RT: 3.415 min Scan# 74
Delta R.T. -0.022 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

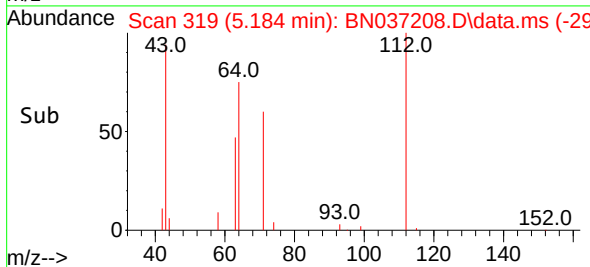
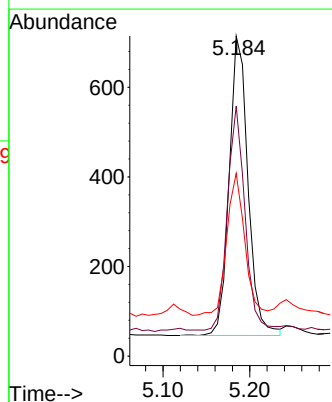
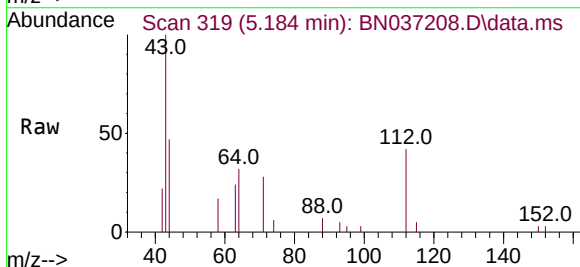
Instrument :
BNA_N
ClientSampleId :

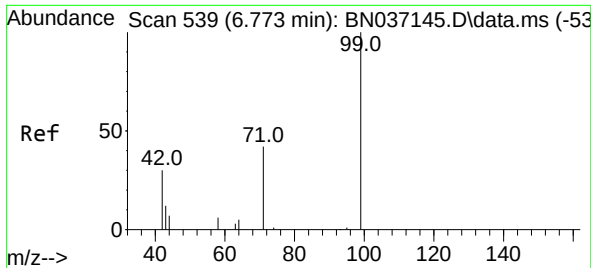
Tgt Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
74 0.0 53.0 79.4#
44 0.0 5.9 8.9#



#4
2-Fluorophenol
Concen: 0.230 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

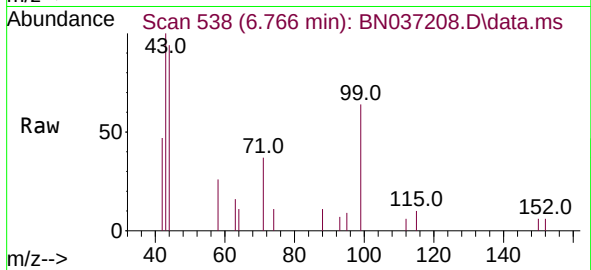
Tgt Ion: 112 Resp: 1009
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 45.6 36.2 54.4



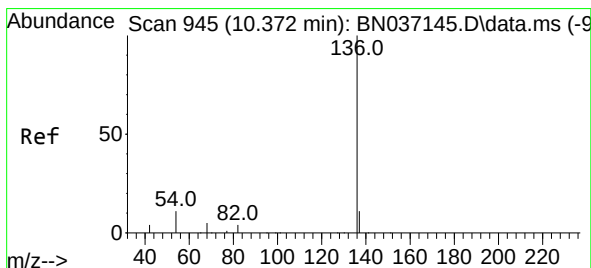
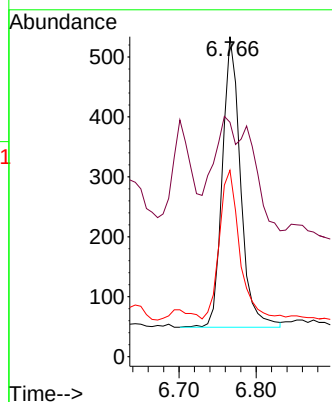
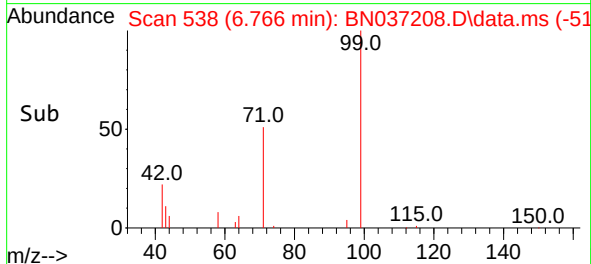


#5
Phenol-d6
Concen: 0.149 ng
RT: 6.766 min Scan# 539
Delta R.T. -0.007 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

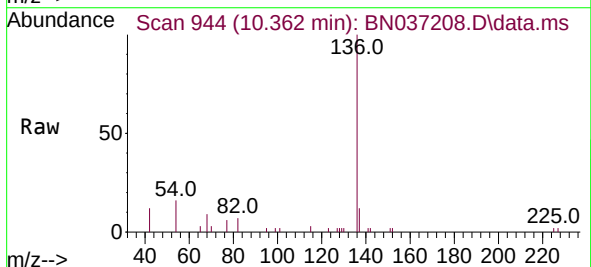
Instrument :
BNA_N
ClientSampleId :



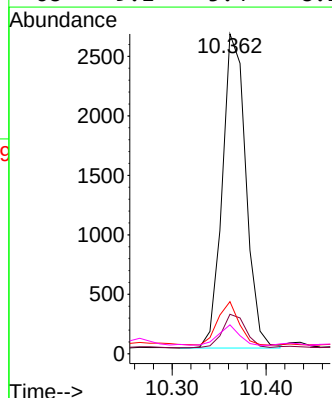
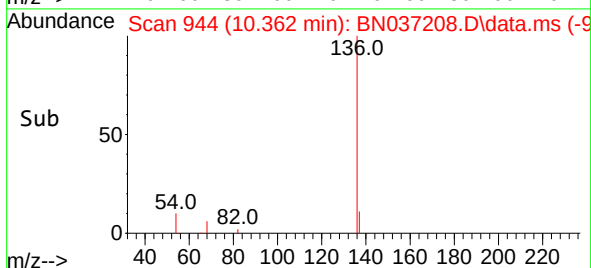
Tgt Ion	Ratio	Lower	Upper
99	100		
42	84.4	31.3	46.9
71	56.6	38.2	57.2

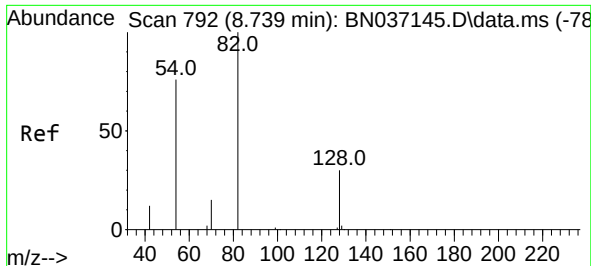


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 944
Delta R.T. -0.011 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36



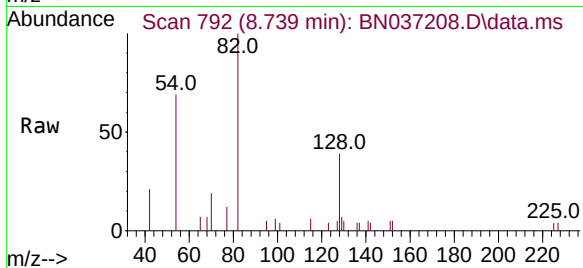
Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	16.3	9.7	14.5
68	9.1	5.4	8.2



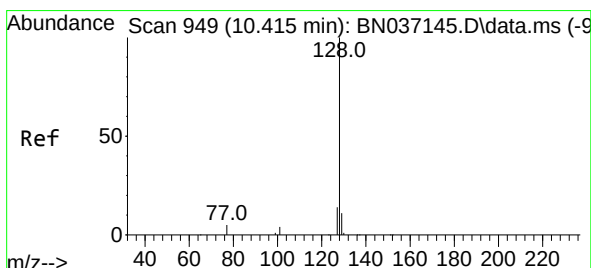
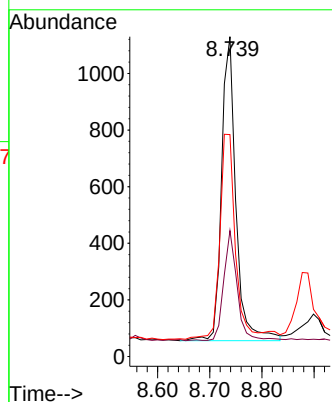
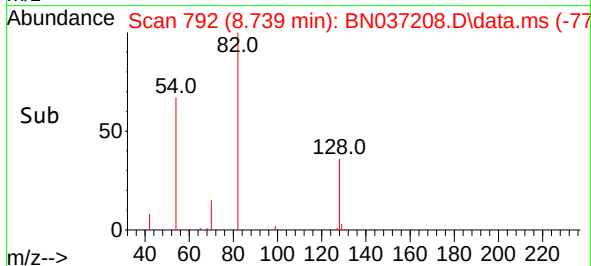


#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Instrument :
BNA_N
ClientSampleId :

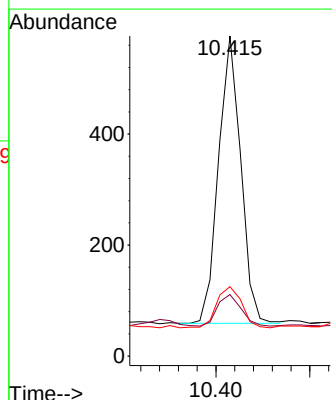
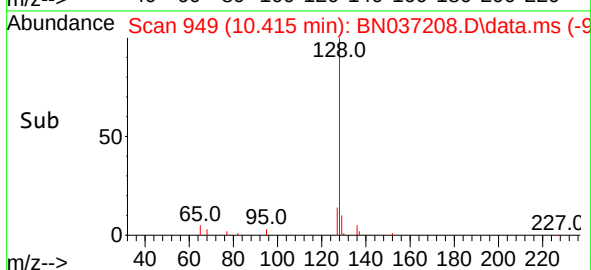
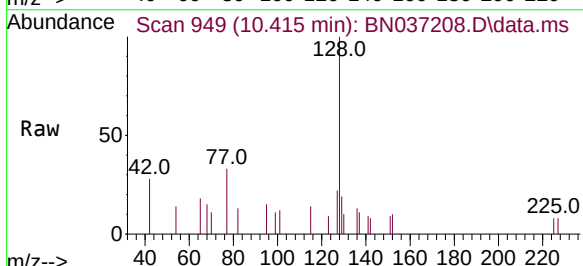


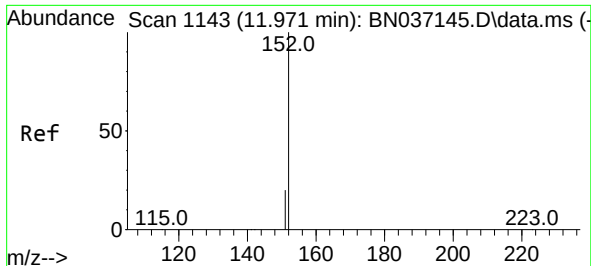
Tgt Ion: 82 Resp: 2046
Ion Ratio Lower Upper
82 100
128 39.4 26.9 40.3
54 69.4 61.4 92.2



#9
Naphthalene
Concen: 0.064 ng
RT: 10.415 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion: 128 Resp: 853
Ion Ratio Lower Upper
128 100
129 19.2 9.8 14.8#
127 21.7 12.3 18.5#

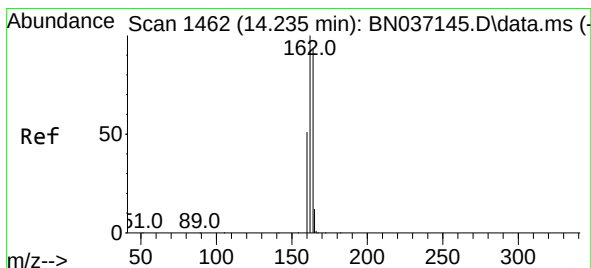
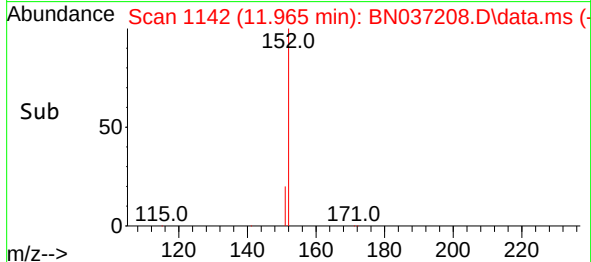
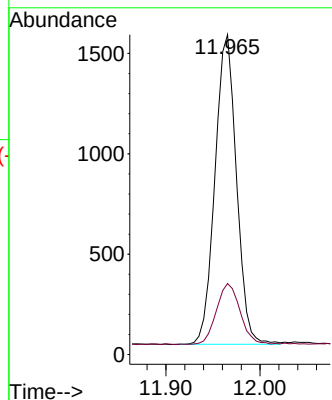
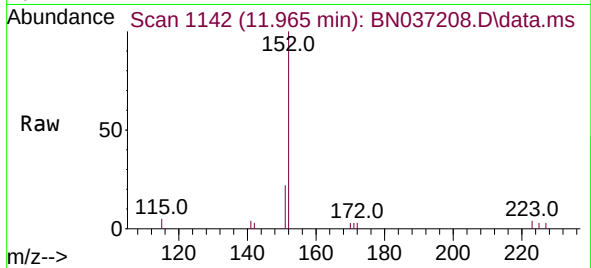




#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 11.965 min Scan# 1143
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

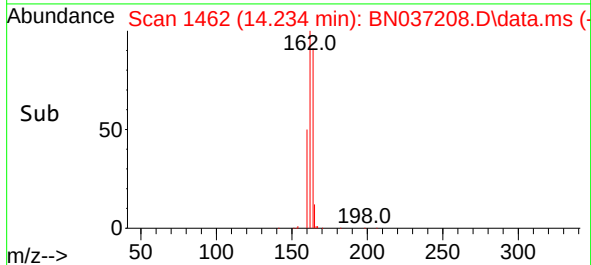
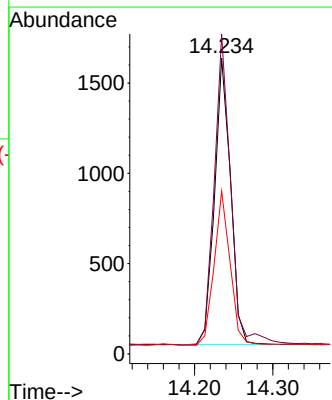
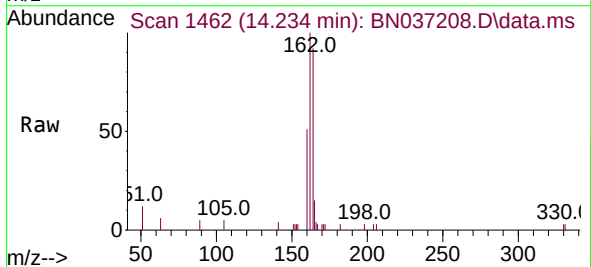
Instrument :
BNA_N
ClientSampleId :

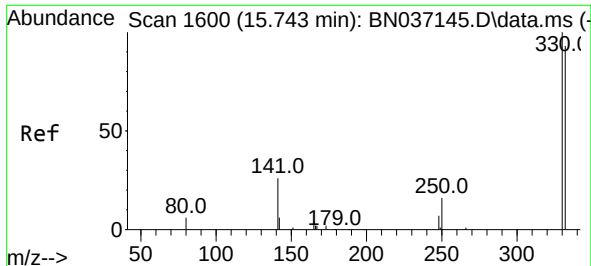
Tgt Ion:152 Resp: 2446
Ion Ratio Lower Upper
152 100
151 21.9 17.1 25.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

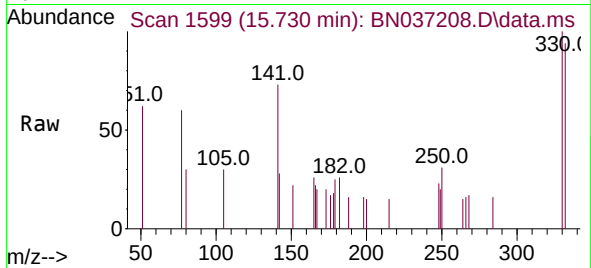
Tgt Ion:164 Resp: 2273
Ion Ratio Lower Upper
164 100
162 108.1 85.5 128.3
160 55.0 44.6 67.0



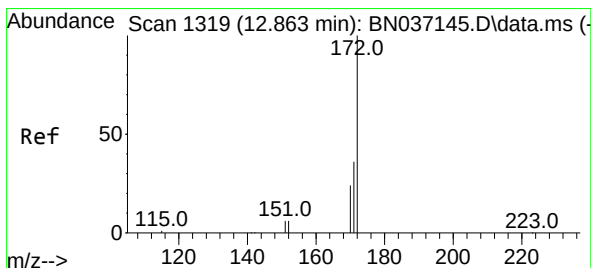
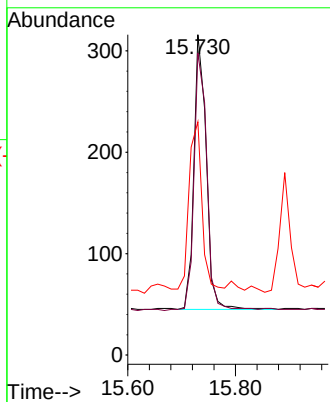
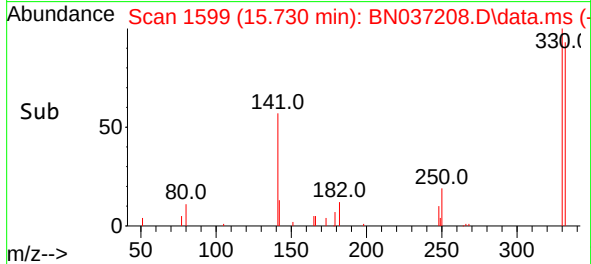


#14
 2,4,6-Tribromophenol
 Concen: 0.468 ng
 RT: 15.730 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

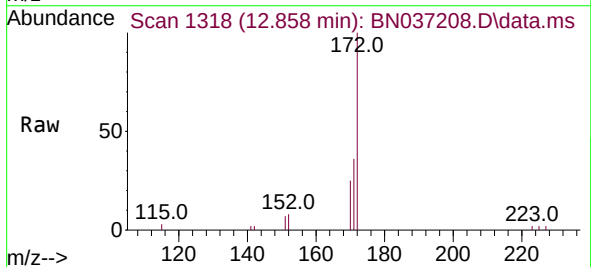
Instrument :
 BNA_N
 ClientSampleId :



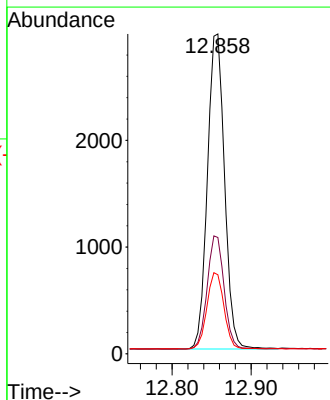
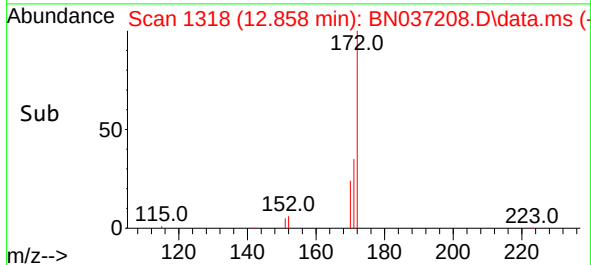
Tgt Ion:330 Resp: 428
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.1 115.7
 141 65.7 46.4 69.6

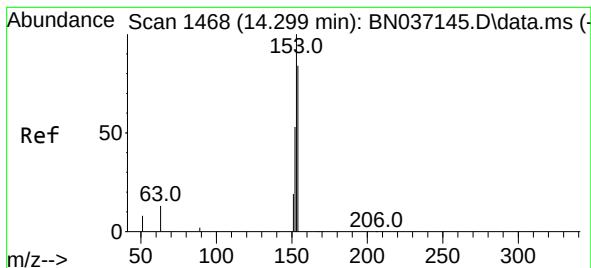


#15
 2-Fluorobiphenyl
 Concen: 0.457 ng
 RT: 12.858 min Scan# 1318
 Delta R.T. -0.005 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36



Tgt Ion:172 Resp: 4427
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.7 20.3 30.5





#17

Acenaphthene

Concen: 0.050 ng

RT: 14.299 min Scan# 1468

Delta R.T. -0.000 min

Lab File: BN037208.D

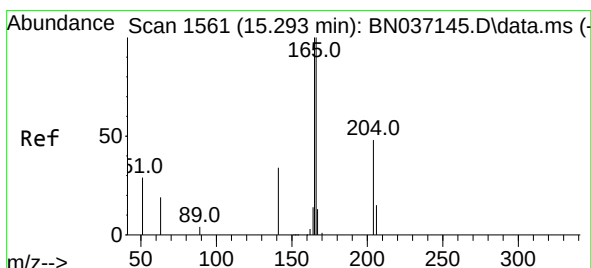
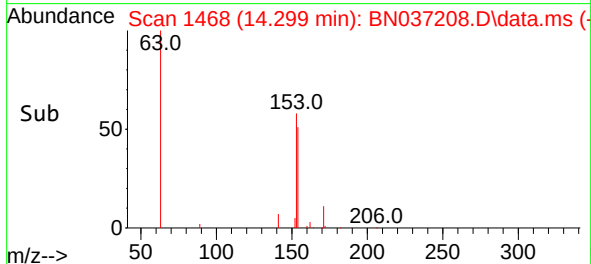
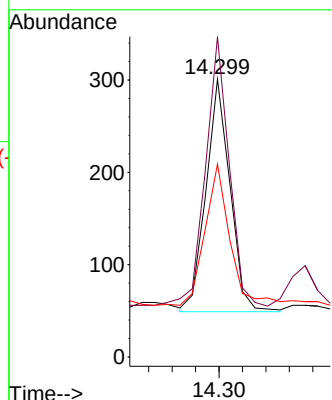
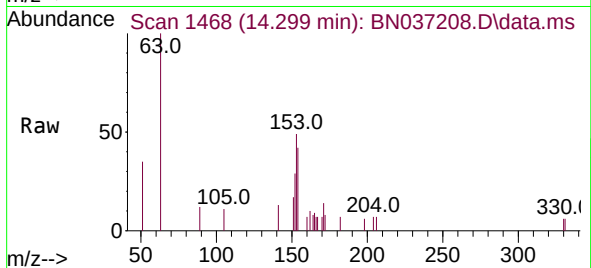
Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:	154	Resp:	359
Ion	Ratio	Lower	Upper
154	100		
153	123.7	93.8	140.8
152	64.6	50.5	75.7



#18

Fluorene

Concen: 0.024 ng

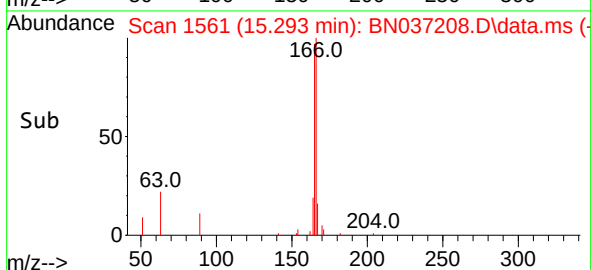
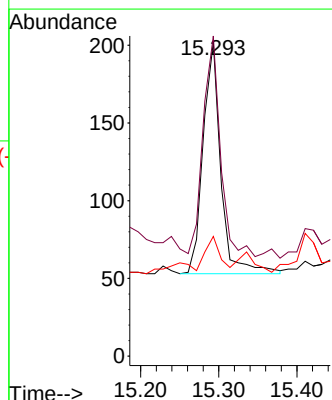
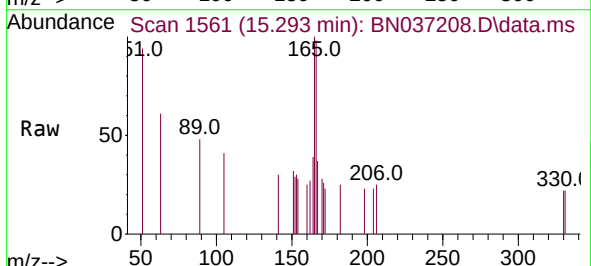
RT: 15.293 min Scan# 1561

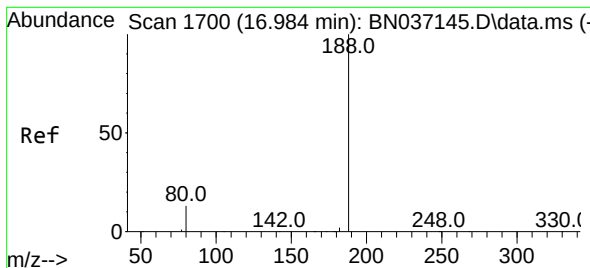
Delta R.T. -0.000 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Tgt Ion:	166	Resp:	233
Ion	Ratio	Lower	Upper
166	100		
165	88.8	81.1	121.7
167	21.0	10.8	16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037208.D

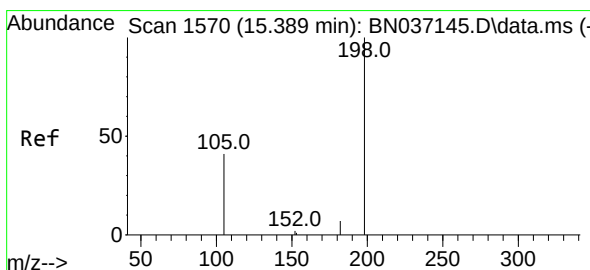
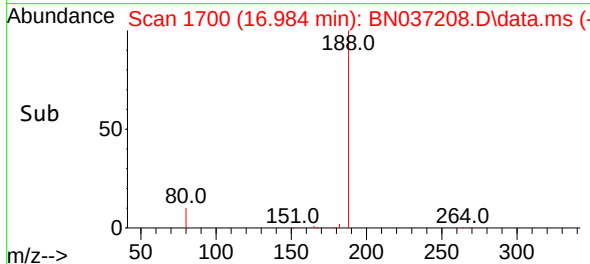
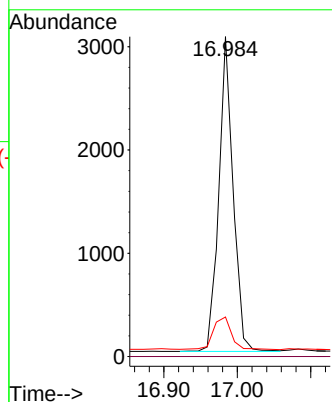
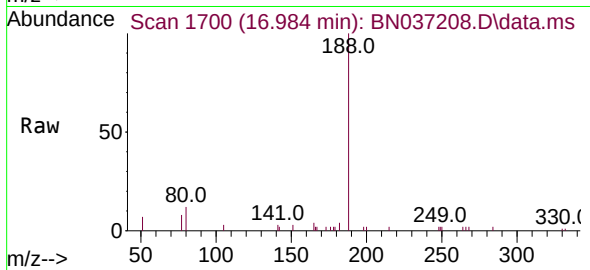
Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:188	Resp:	4128
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	12.4	11.3



#20

4,6-Dinitro-2-methylphenol

Concen: 0.280 ng

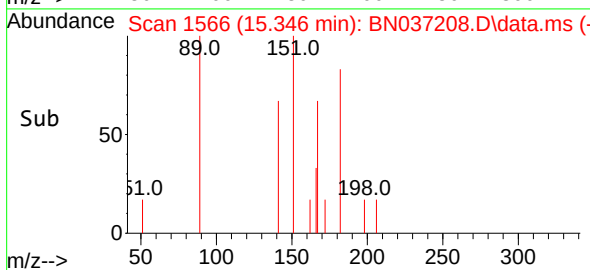
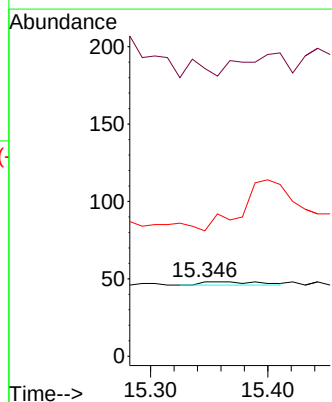
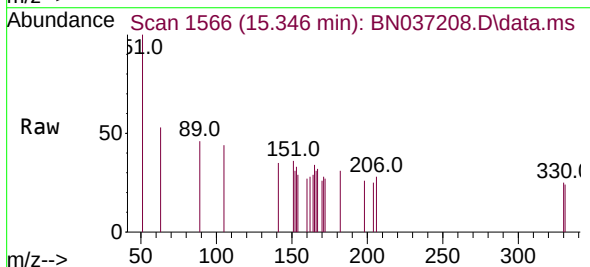
RT: 15.346 min Scan# 1566

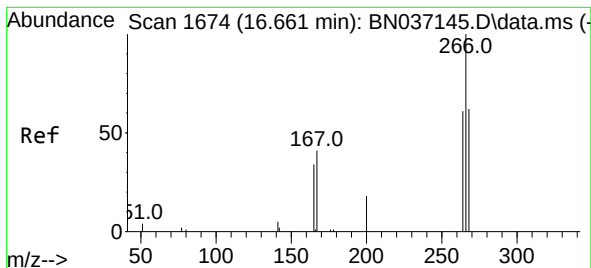
Delta R.T. -0.043 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Tgt Ion:198	Resp:	7
Ion Ratio	Lower	Upper
198	100	
51	387.5	125.2
105	168.8	57.1





#24

Pentachlorophenol

Concen: 0.220 ng

RT: 16.649 min Scan# 1673

Delta R.T. -0.012 min

Lab File: BN037208.D

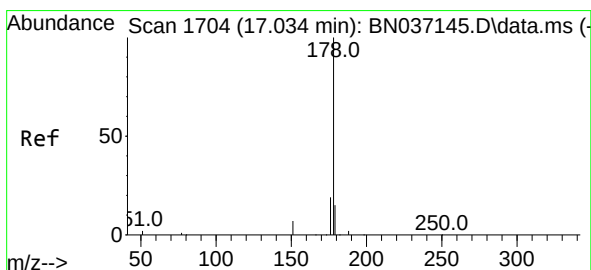
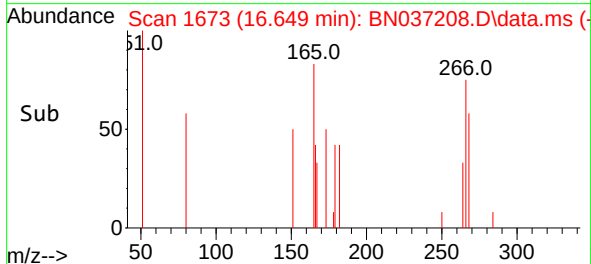
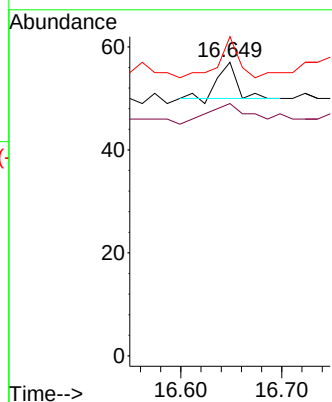
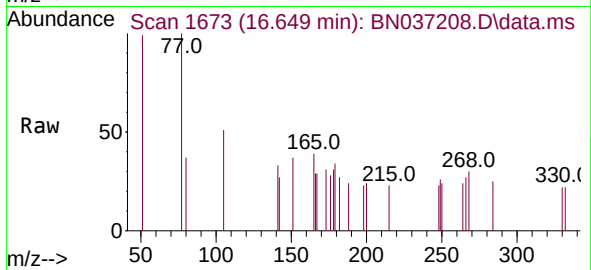
Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:266	Resp:	9
Ion Ratio	Lower	Upper
266	100	
264	155.6	49.3 73.9#
268	111.1	49.0 73.4#



#25

Phenanthrene

Concen: 0.096 ng

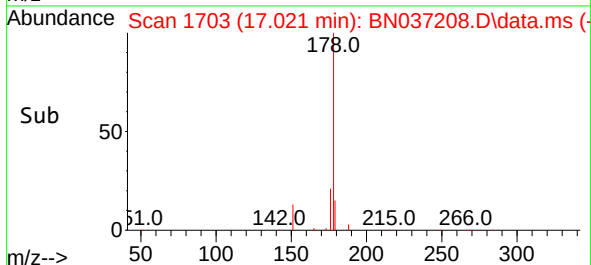
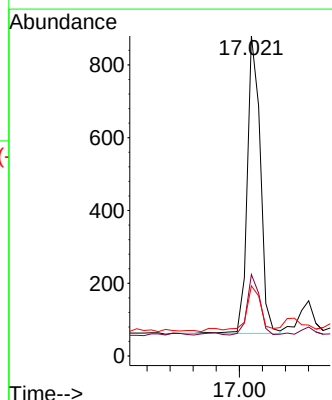
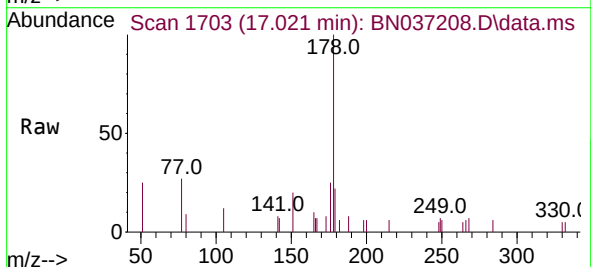
RT: 17.021 min Scan# 1703

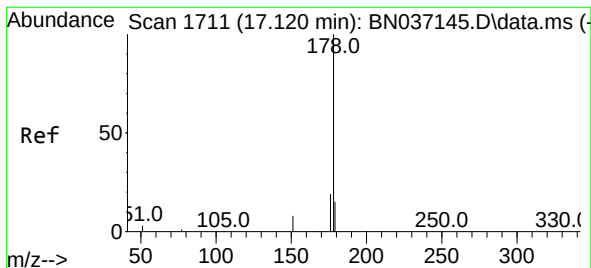
Delta R.T. -0.013 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Tgt Ion:178	Resp:	1280
Ion Ratio	Lower	Upper
178	100	
176	19.7	15.7 23.5
179	15.3	12.3 18.5





#26

Anthracene

Concen: 0.103 ng

RT: 17.021 min Scan# 1703

Delta R.T. -0.099 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

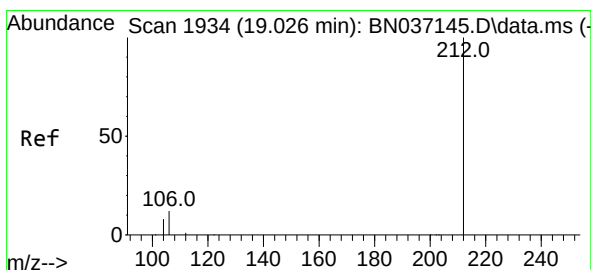
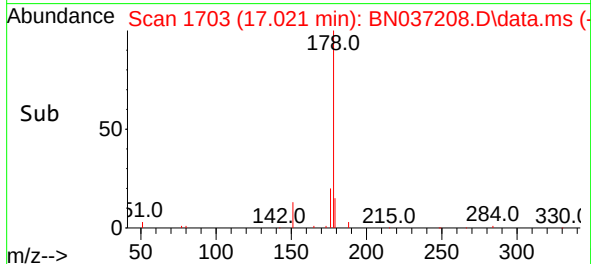
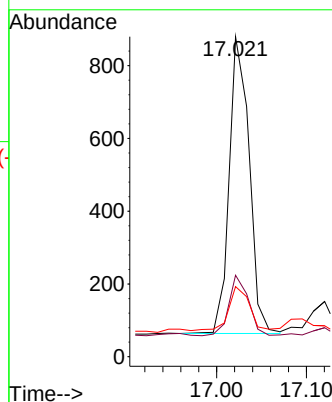
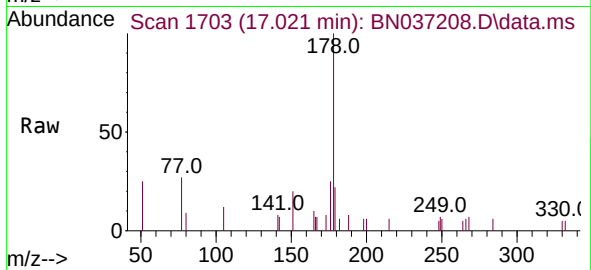
Tgt Ion:178 Resp: 1262

Ion Ratio Lower Upper

178 100

176 20.0 15.2 22.8

179 15.1 12.9 19.3



#27

Fluoranthene-d10

Concen: 0.432 ng

RT: 19.021 min Scan# 1933

Delta R.T. -0.005 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

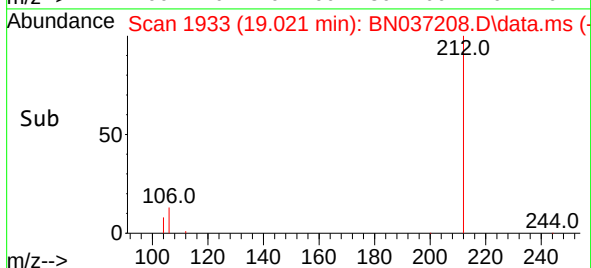
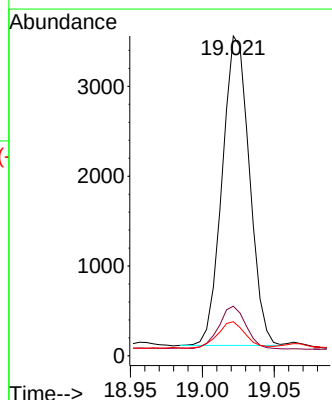
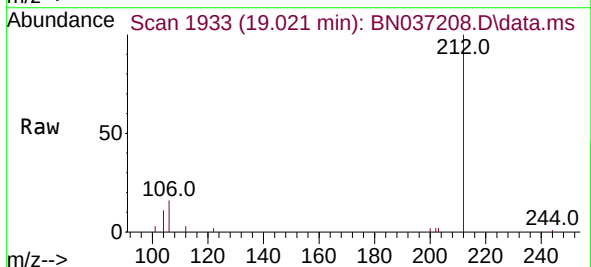
Tgt Ion:212 Resp: 4536

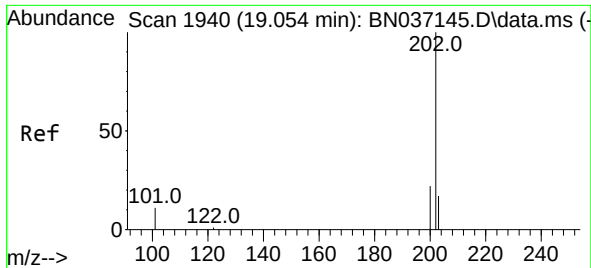
Ion Ratio Lower Upper

212 100

106 14.2 10.6 15.8

104 8.8 6.6 9.8

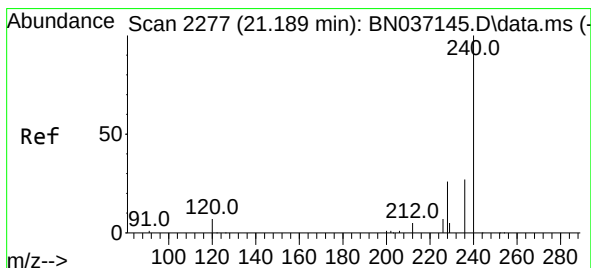
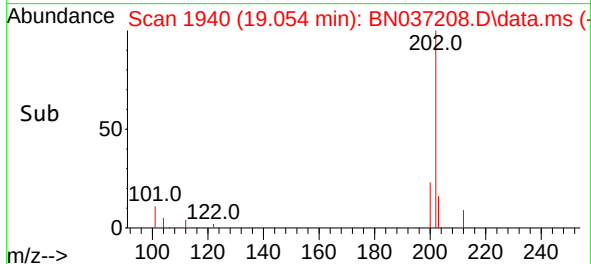
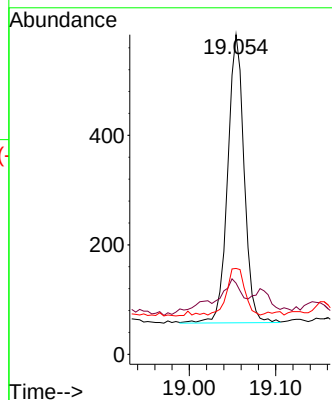
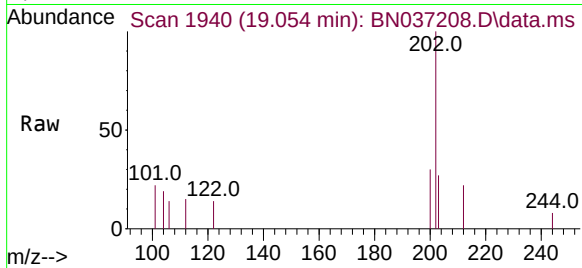




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

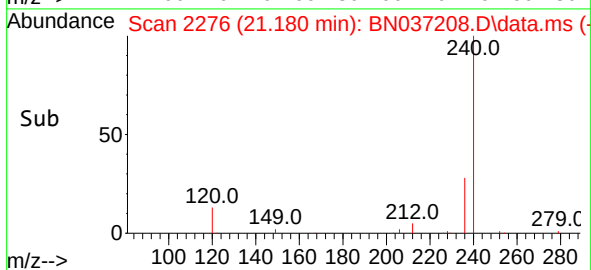
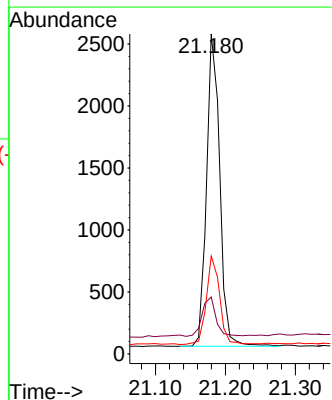
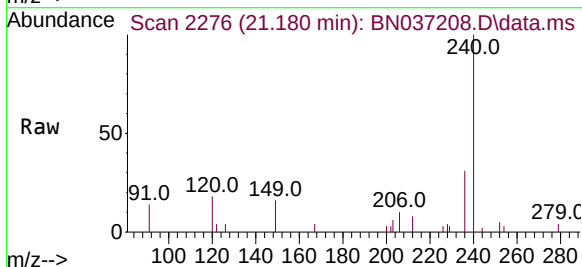
Instrument :
BNA_N
ClientSampleId :

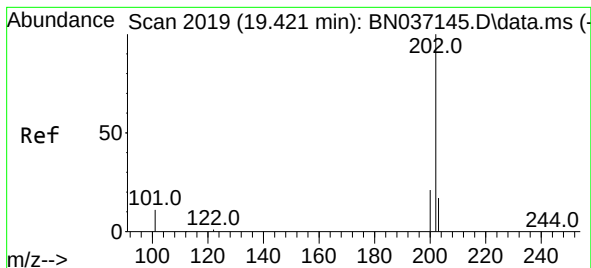
Tgt Ion:202 Resp: 693
Ion Ratio Lower Upper
202 100
101 15.6 8.7 13.1#
203 17.6 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.180 min Scan# 2276
Delta R.T. -0.009 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:240 Resp: 3296
Ion Ratio Lower Upper
240 100
120 17.8 9.0 13.4#
236 30.6 23.0 34.4





#30

Pyrene

Concen: 0.040 ng

RT: 19.416 min Scan# 2019

Delta R.T. -0.005 min

Lab File: BN037208.D

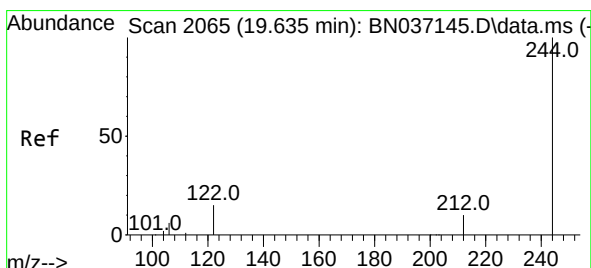
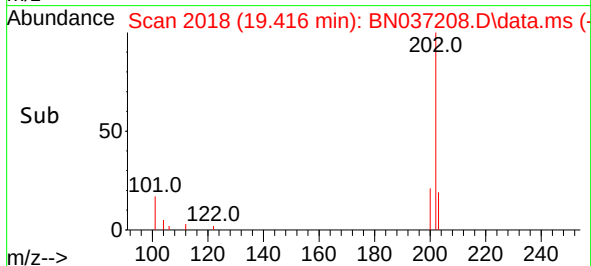
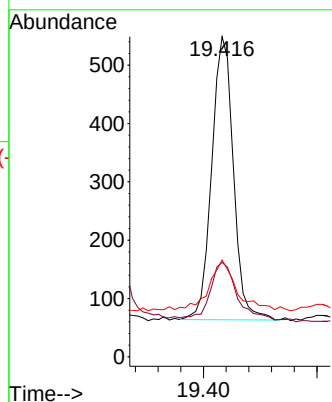
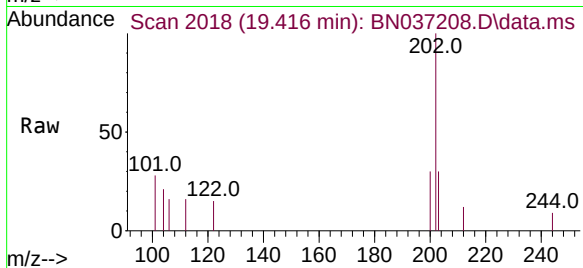
Acq: 10 Jun 2025 01:36

Instrument :

BNA_N

ClientSampleId :

Tgt Ion:202	Resp:	647
Ion Ratio	Lower	Upper
202	100	
200	26.9	17.0 25.6#
203	23.0	14.2 21.4#



#31

Terphenyl-d14

Concen: 0.487 ng

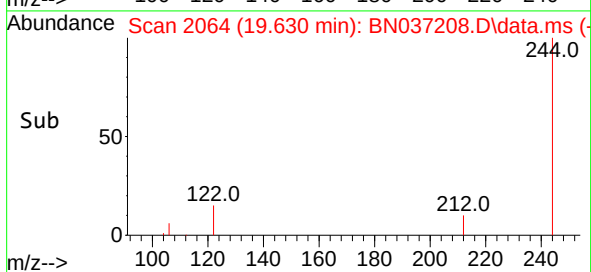
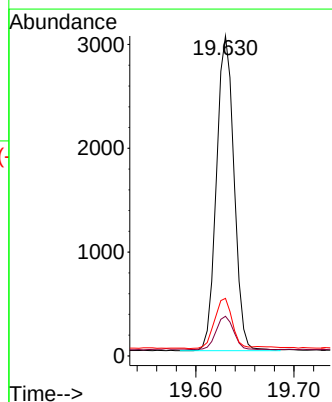
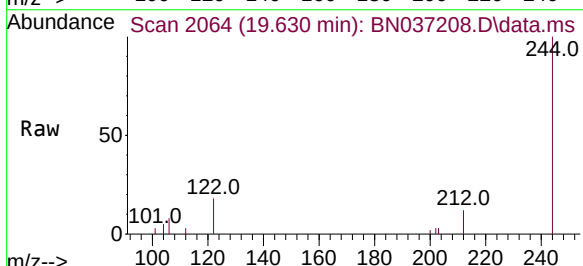
RT: 19.630 min Scan# 2064

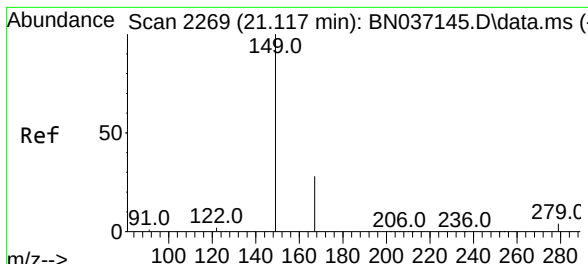
Delta R.T. -0.005 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

Tgt Ion:244	Resp:	3776
Ion Ratio	Lower	Upper
244	100	
212	12.4	10.0 15.0
122	18.0	13.2 19.8

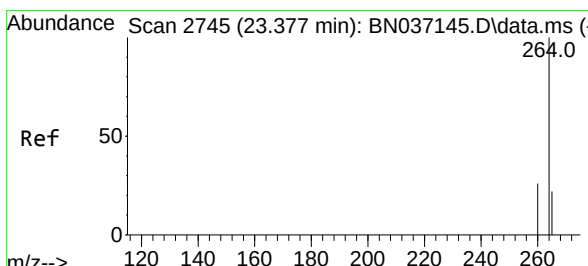
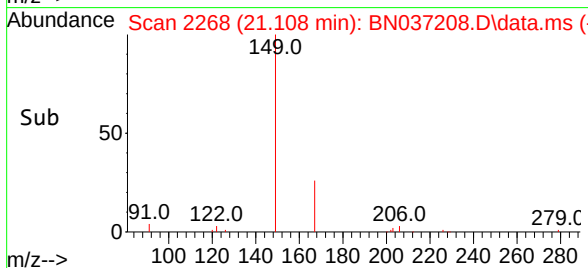
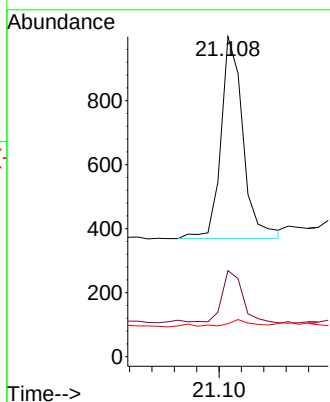
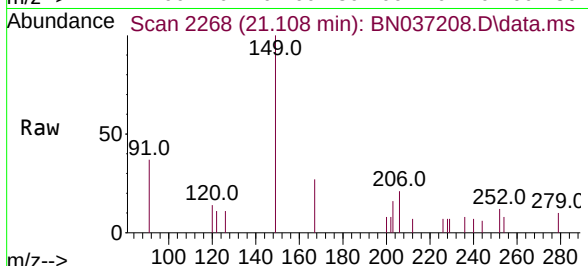




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.115 ng
 RT: 21.108 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	149	Resp:	864
Ion Ratio	Lower	Upper	
149	100		
167	24.7	21.0	31.4
279	2.8	2.9	4.3



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 2745
 Delta R.T. -0.000 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

Tgt Ion:	264	Resp:	3376
Ion Ratio	Lower	Upper	
264	100		
260	27.8	22.1	33.1
265	76.7	55.8	83.8

