

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 :
 MW-18B-56-060425-FD

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)

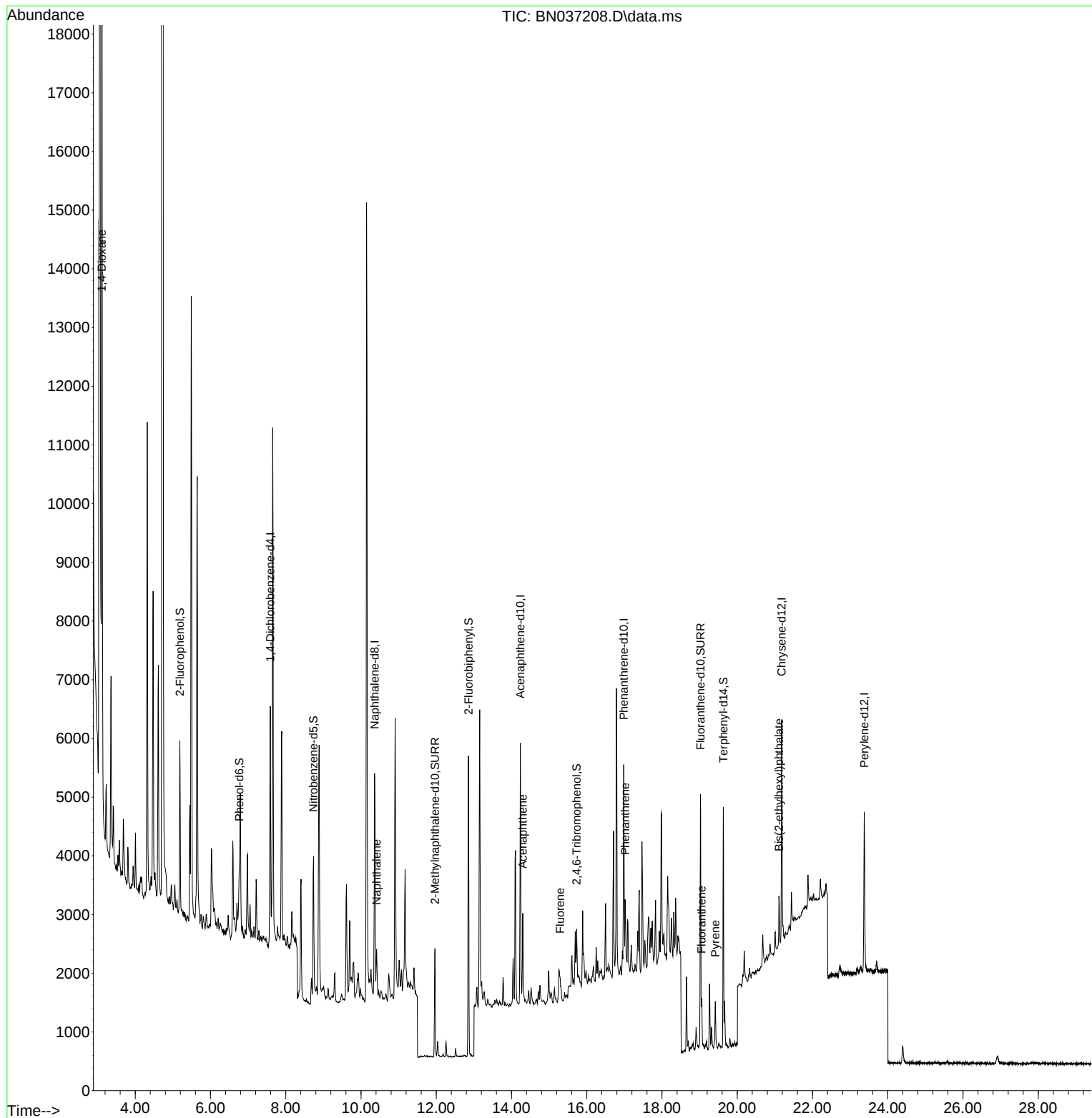
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1777	0.400	ng	0.00
7) Naphthalene-d8	10.362	136	4601	0.400	ng	#-0.01
13) Acenaphthene-d10	14.234	164	2273	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4128	0.400	ng	0.00
29) Chrysene-d12	21.180	240	3296	0.400	ng	# 0.00
35) Perylene-d12	23.377	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
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
25) Phenanthrene	17.021	178	1280	0.096	ng	100
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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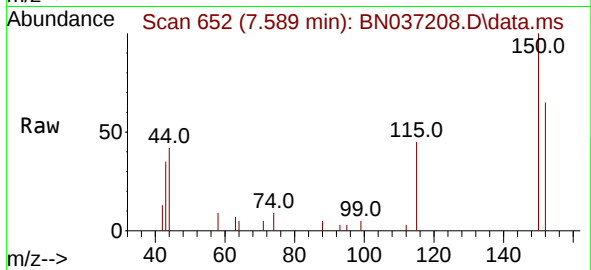
Quant Time: Jun 10 04:05:32 2025
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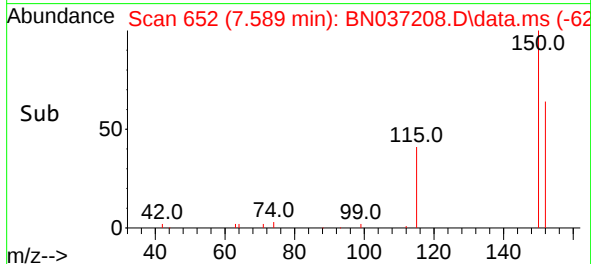
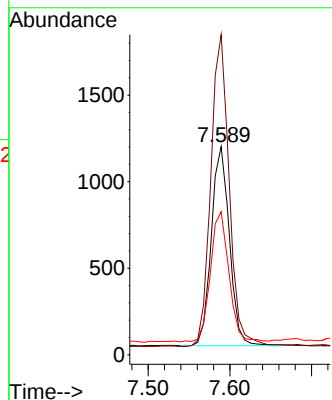
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425-FD



Tgt Ion: 152 Resp: 1777

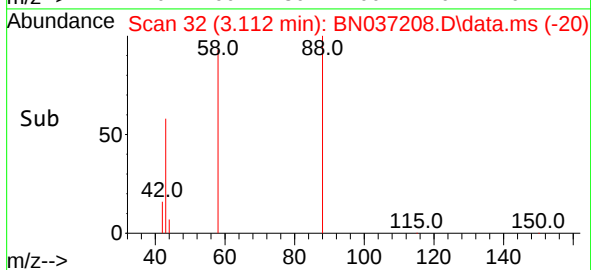
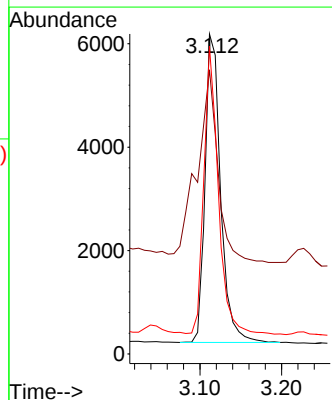
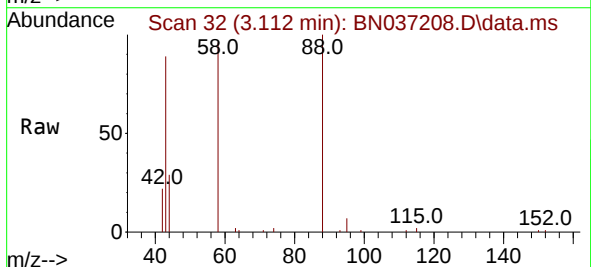
Ion	Ratio	Lower	Upper
152	100		
150	153.7	123.2	184.8
115	68.7	56.6	85.0

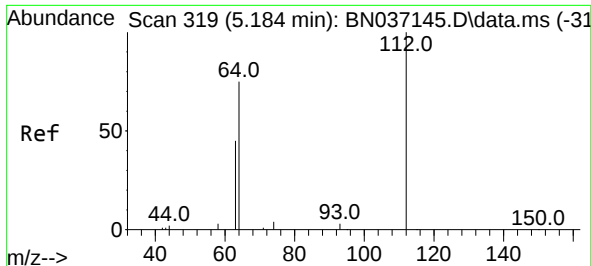


#2
 1,4-Dioxane
 Concen: 3.346 ng
 RT: 3.112 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

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





#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

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425-FD

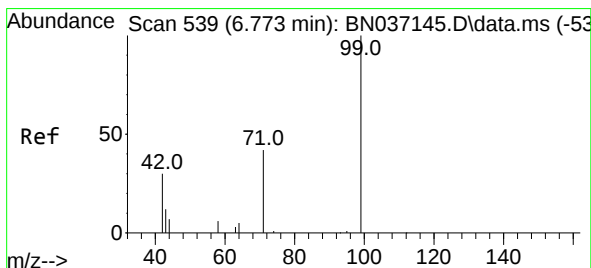
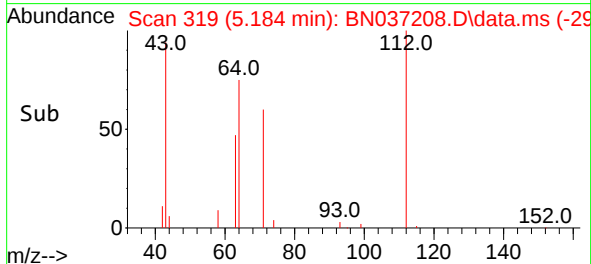
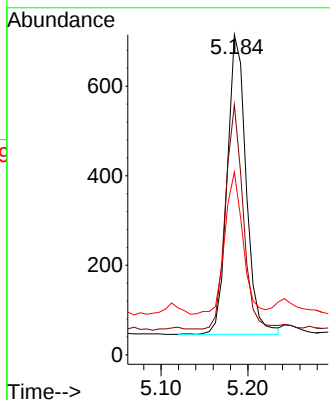
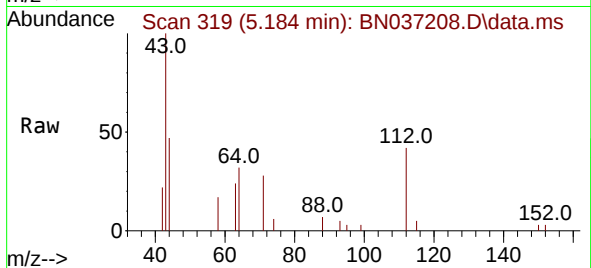
Tgt Ion:112 Resp: 1009

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# 538

Delta R.T. -0.007 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

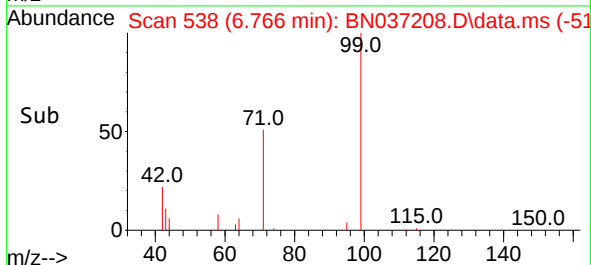
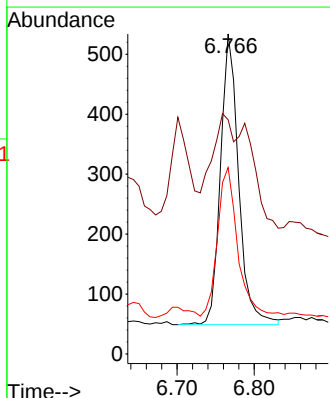
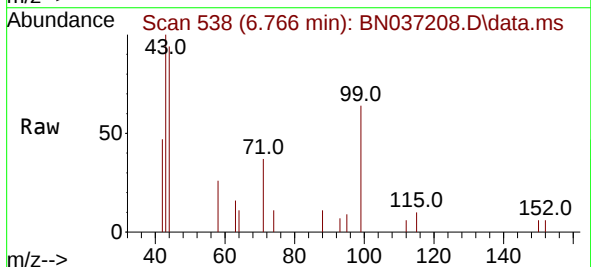
Tgt Ion: 99 Resp: 793

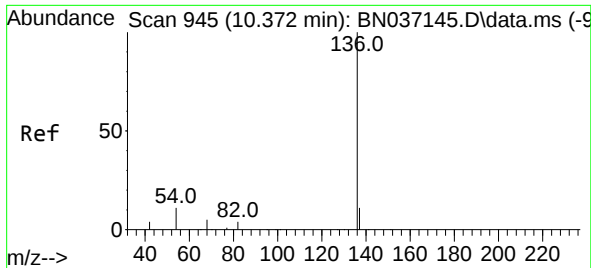
Ion Ratio Lower Upper

99 100

42 84.4 31.3 46.9#

71 56.6 38.2 57.2

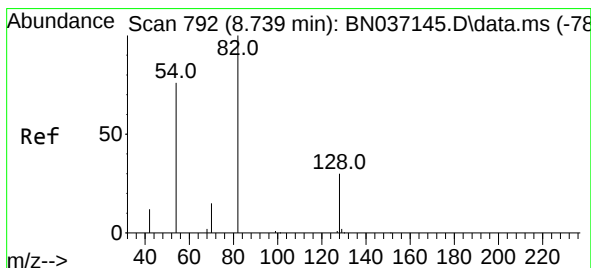
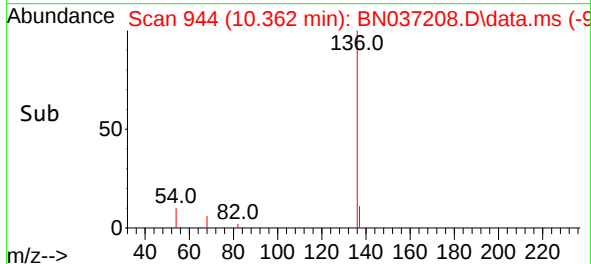
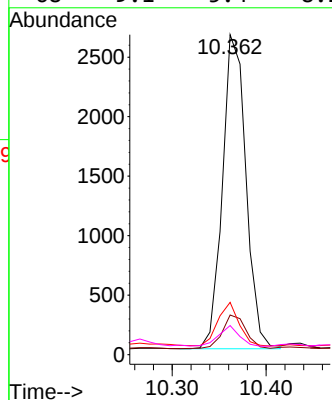
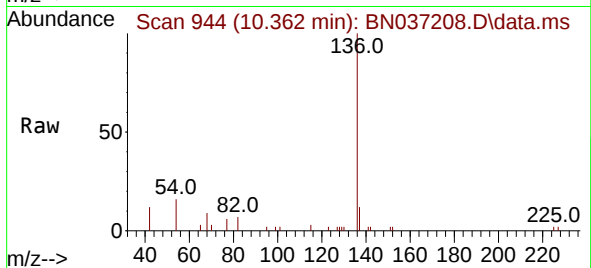




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.362 min Scan# 945
Delta R.T. -0.011 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

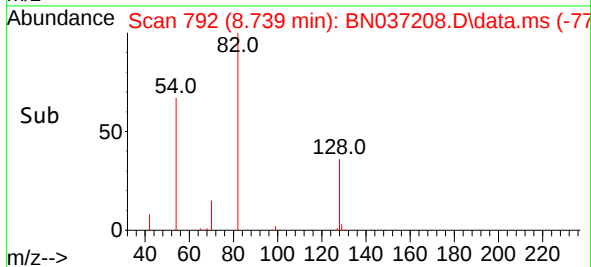
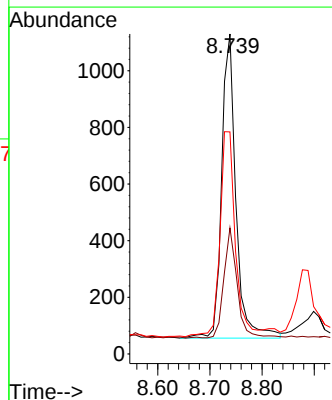
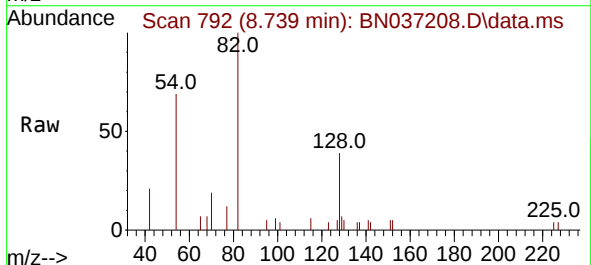
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

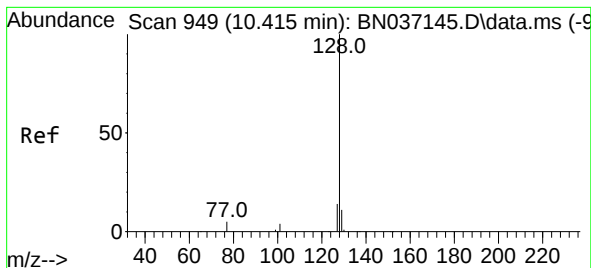
Tgt Ion:	136	Resp:	4601
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	16.3	9.7	14.5#
68	9.1	5.4	8.2#



#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

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

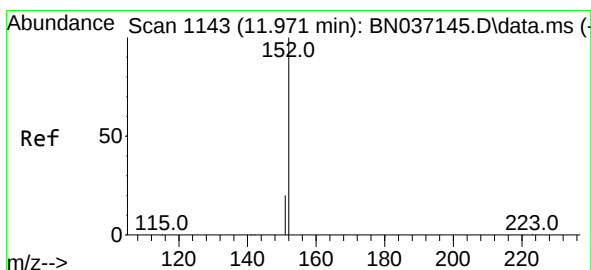
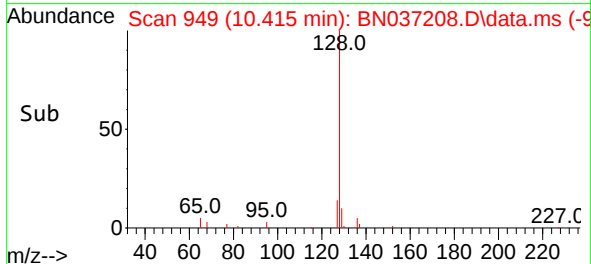
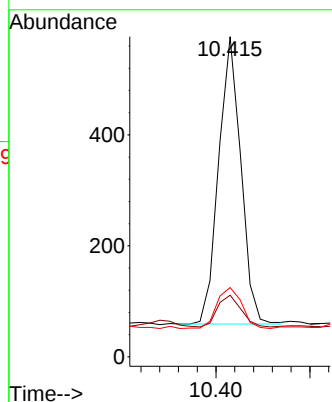
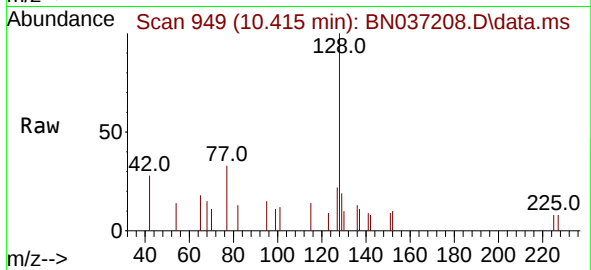
Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425-FD

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

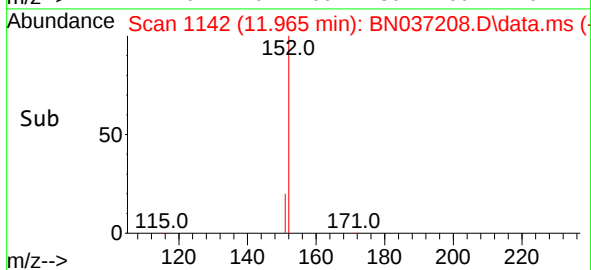
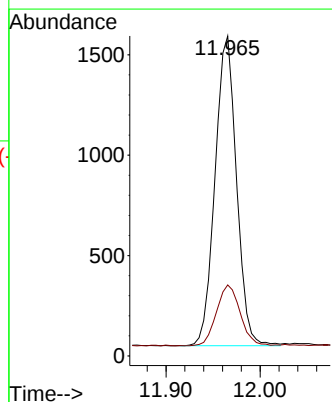
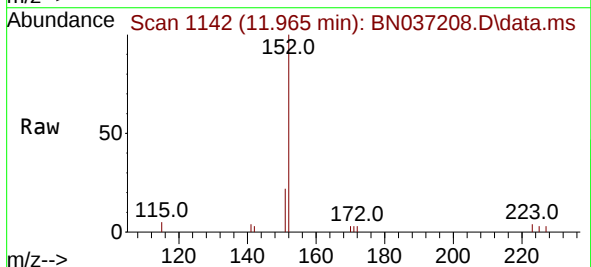
RT: 11.965 min Scan# 1142

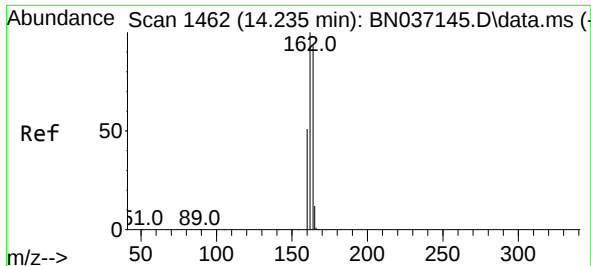
Delta R.T. -0.005 min

Lab File: BN037208.D

Acq: 10 Jun 2025 01:36

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

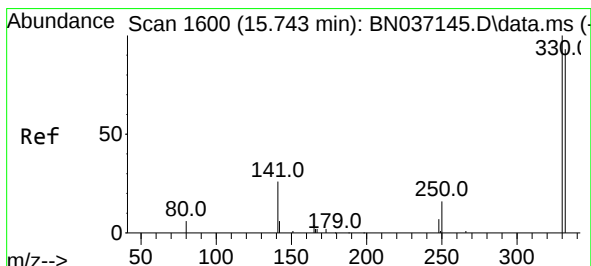
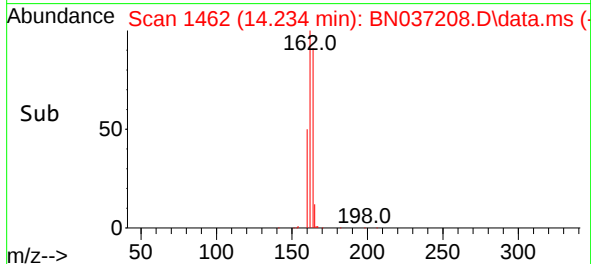
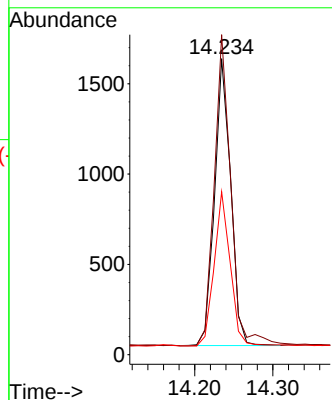
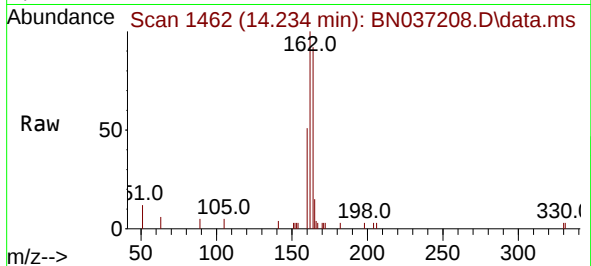




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.234 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

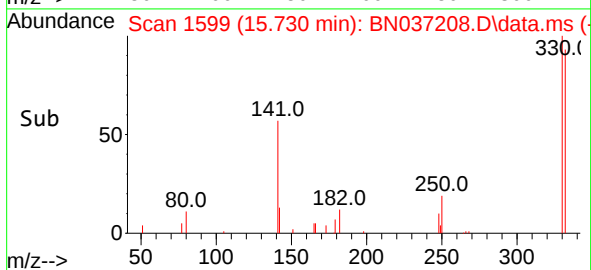
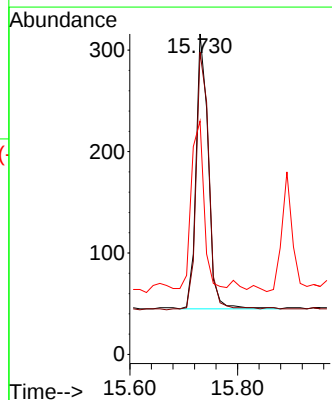
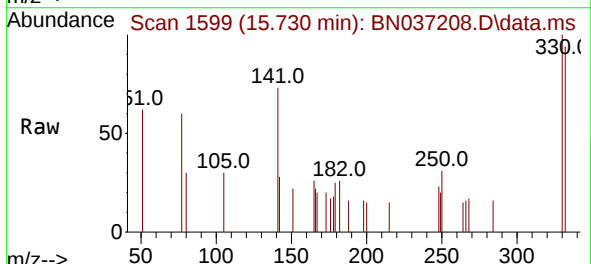
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

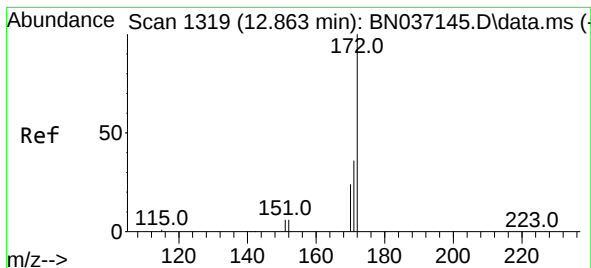
Tgt Ion:164 Resp: 2273
Ion Ratio Lower Upper
164 100
162 108.1 85.5 128.3
160 55.0 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.468 ng
RT: 15.730 min Scan# 1599
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

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

Instrument :

BNA_N

ClientSampleId :

MW-18B-56-060425-FD

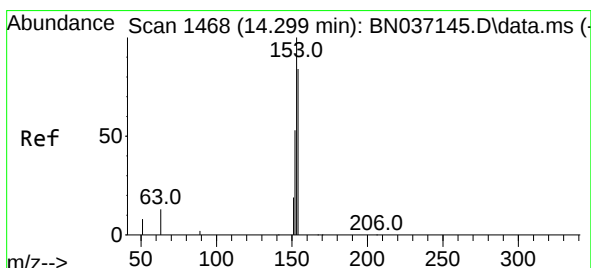
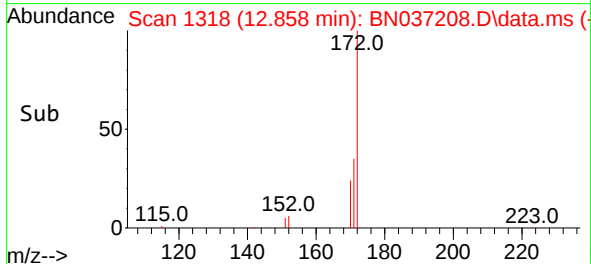
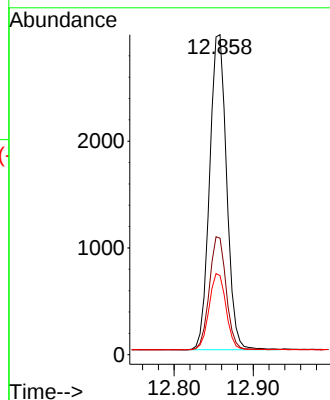
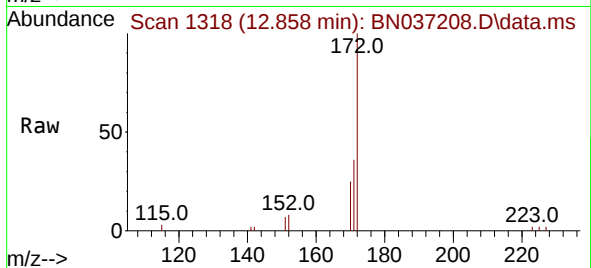
Tgt Ion:172 Resp: 4427

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

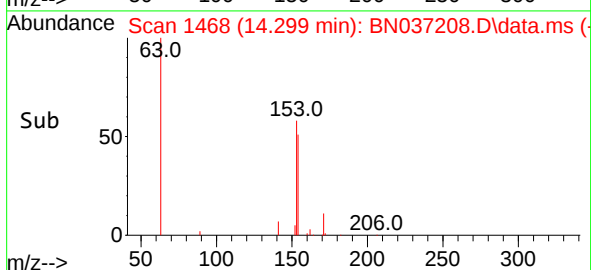
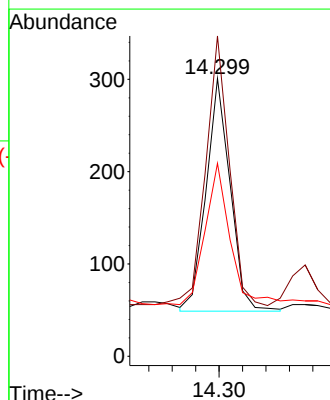
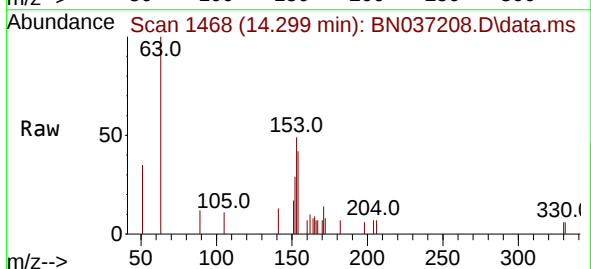
Tgt Ion:154 Resp: 359

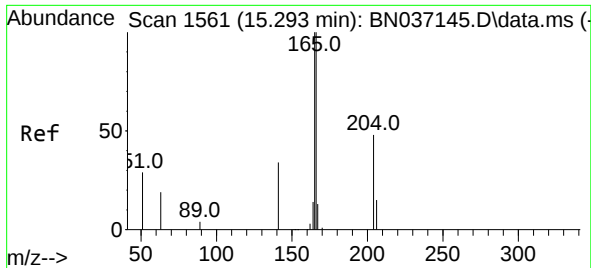
Ion Ratio Lower Upper

154 100

153 123.7 93.8 140.8

152 64.6 50.5 75.7

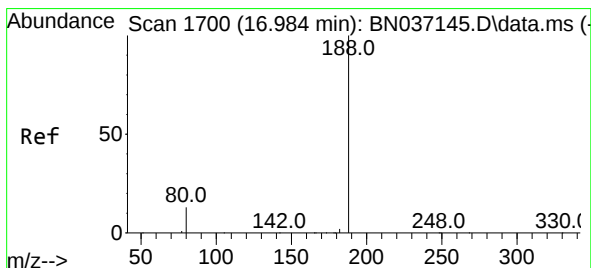
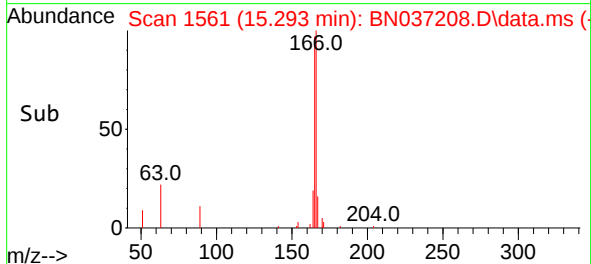
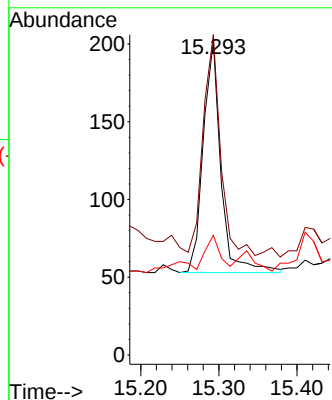
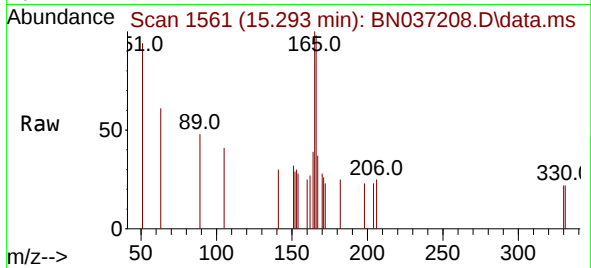




#18
Fluorene
Concen: 0.024 ng
RT: 15.293 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

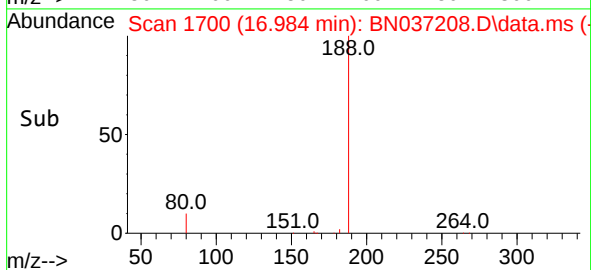
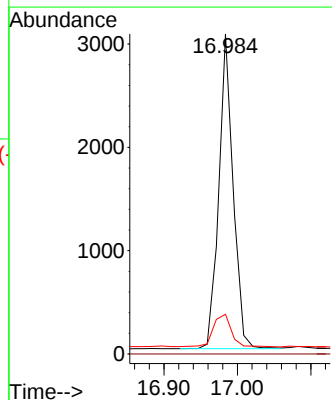
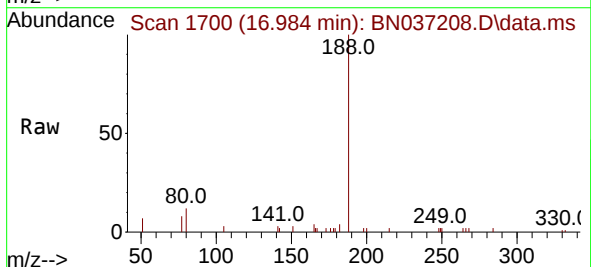
Instrument :
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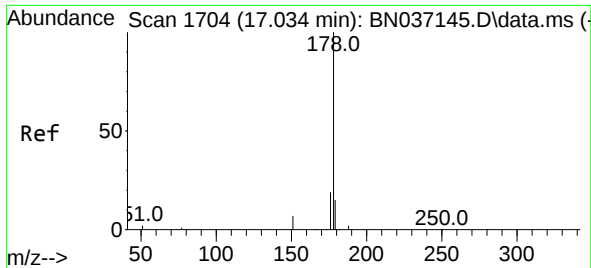
Tgt Ion:166 Resp: 233
Ion Ratio Lower Upper
166 100
165 88.8 81.1 121.7
167 21.0 10.8 16.2#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

Tgt Ion:188 Resp: 4128
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 11.3 16.9

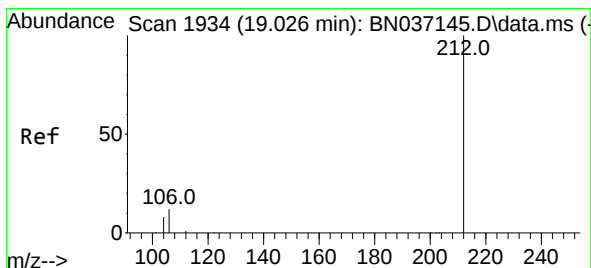
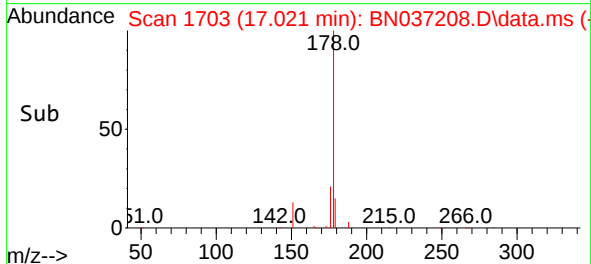
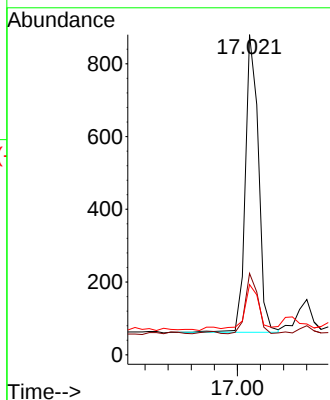
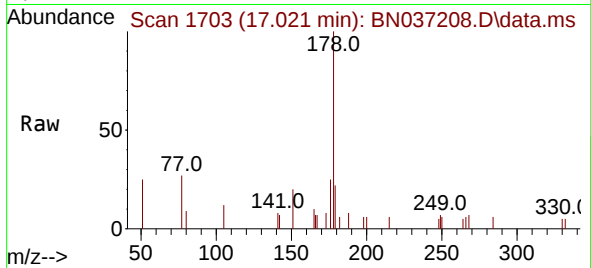




#25
Phenanthrene
Concen: 0.096 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.013 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

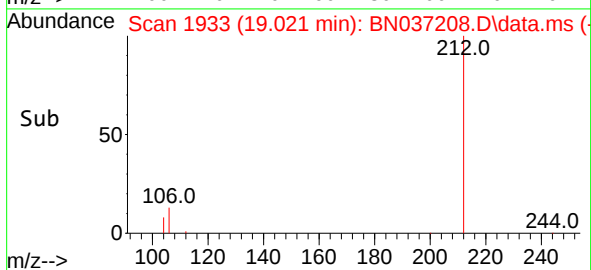
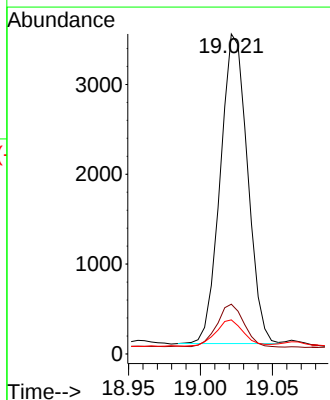
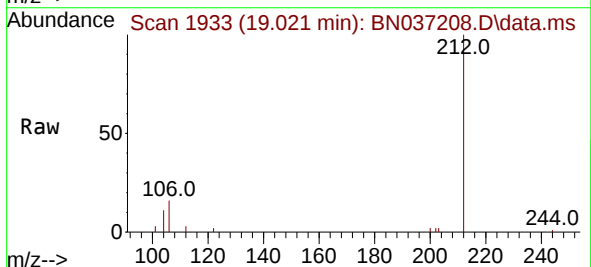
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

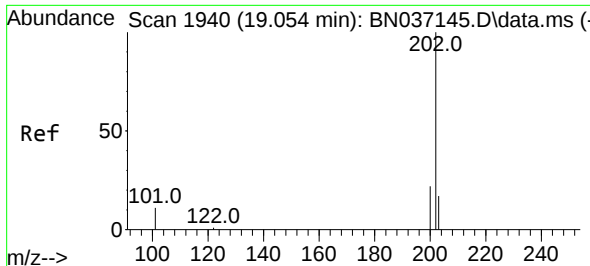
Tgt Ion:178	Resp:	1280
Ion Ratio	Lower	Upper
178	100	
176	19.7	15.7 23.5
179	15.3	12.3 18.5



#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

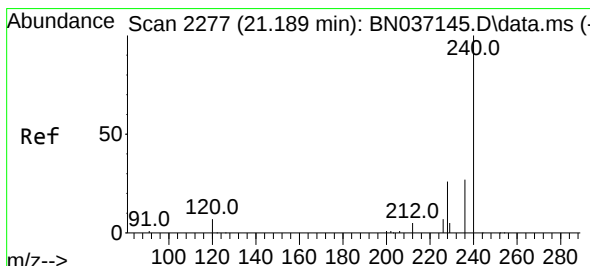
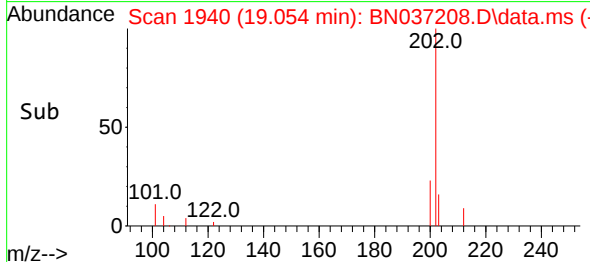
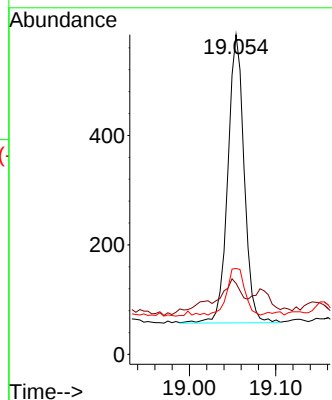
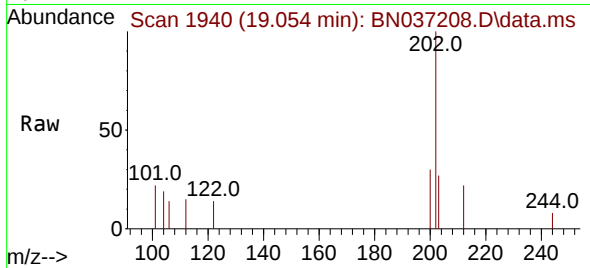




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

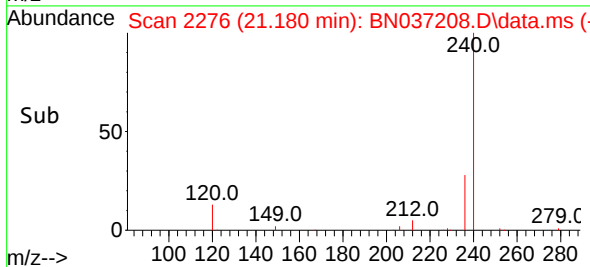
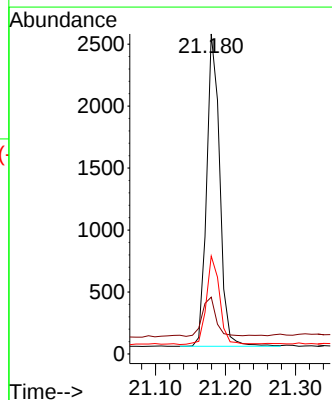
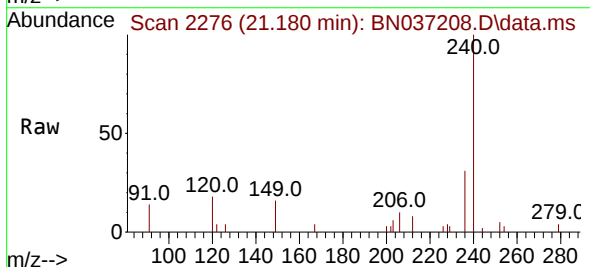
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

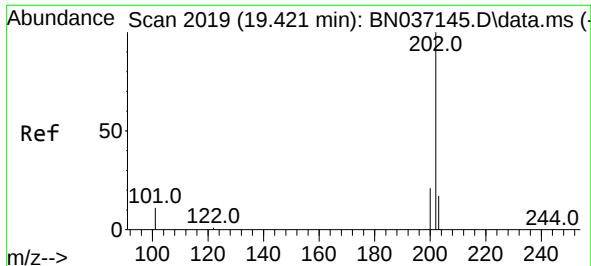
Tgt Ion:202 Resp: 693
Ion Ratio Lower Upper
202 100
101 15.6 8.7 13.1#
203 17.6 13.5 20.3



#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

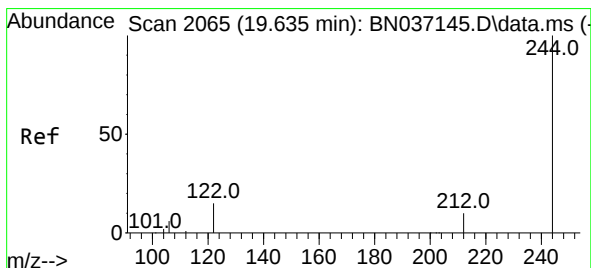
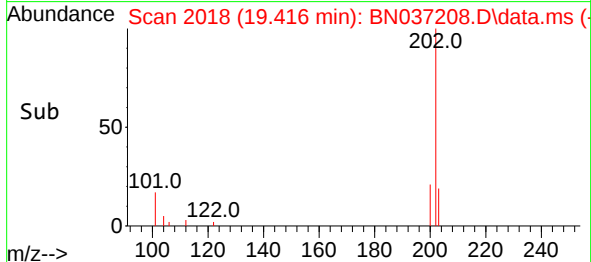
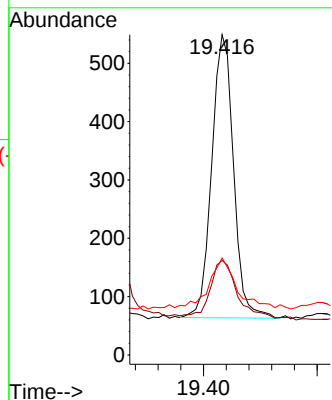
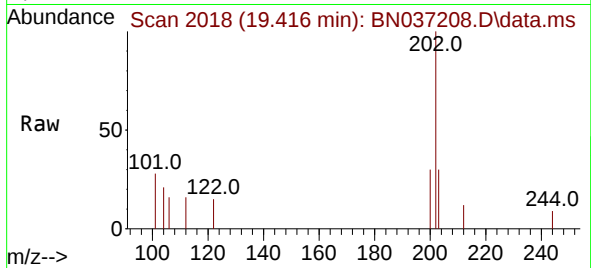




#30
Pyrene
Concen: 0.040 ng
RT: 19.416 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BN037208.D
Acq: 10 Jun 2025 01:36

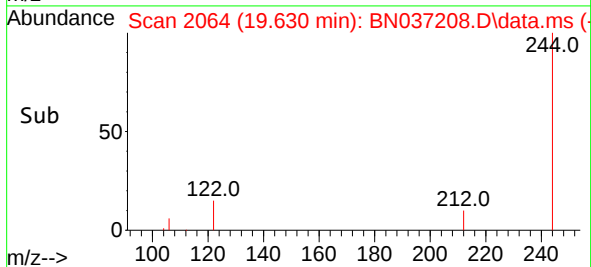
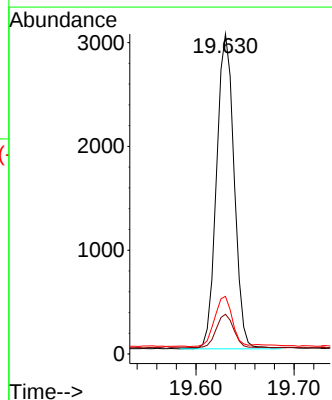
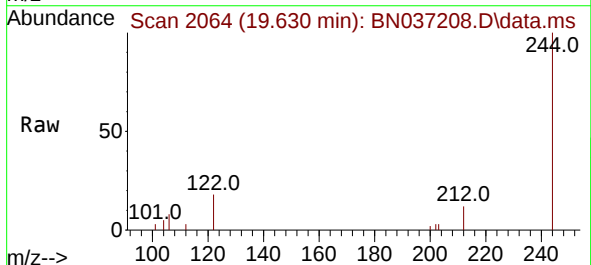
Instrument :
BNA_N
ClientSampleId :
MW-18B-56-060425-FD

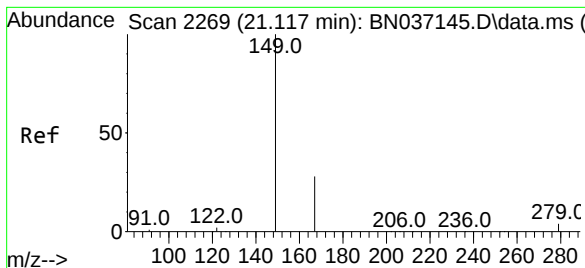
Tgt Ion:202 Resp: 647
Ion Ratio Lower Upper
202 100
200 26.9 17.0 25.6#
203 23.0 14.2 21.4#



#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

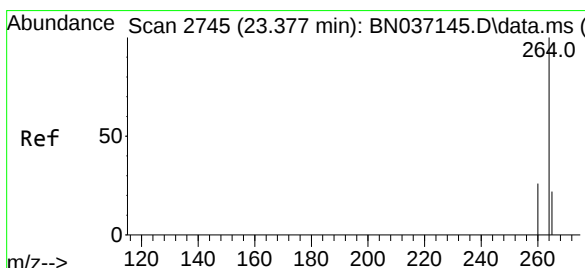
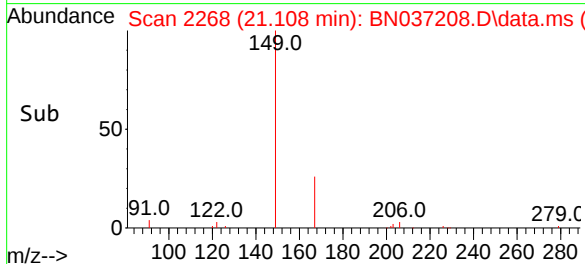
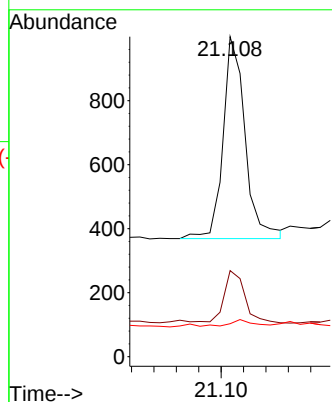
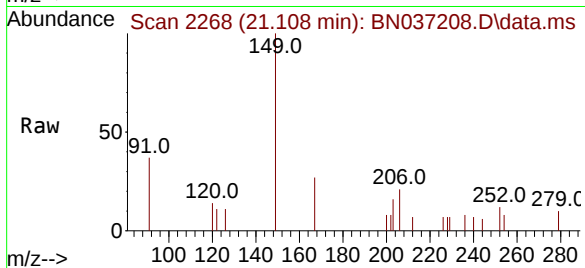




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.115 ng
 RT: 21.108 min Scan# 21108
 Delta R.T. -0.009 min
 Lab File: BN037208.D
 Acq: 10 Jun 2025 01:36

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-56-060425-FD

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

