

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060525\
 Data File : BN037178.D
 Acq On : 05 Jun 2025 13:20
 Operator : RC/JU
 Sample : Q2200-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325

Quant Time: Jun 05 14:09:12 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)

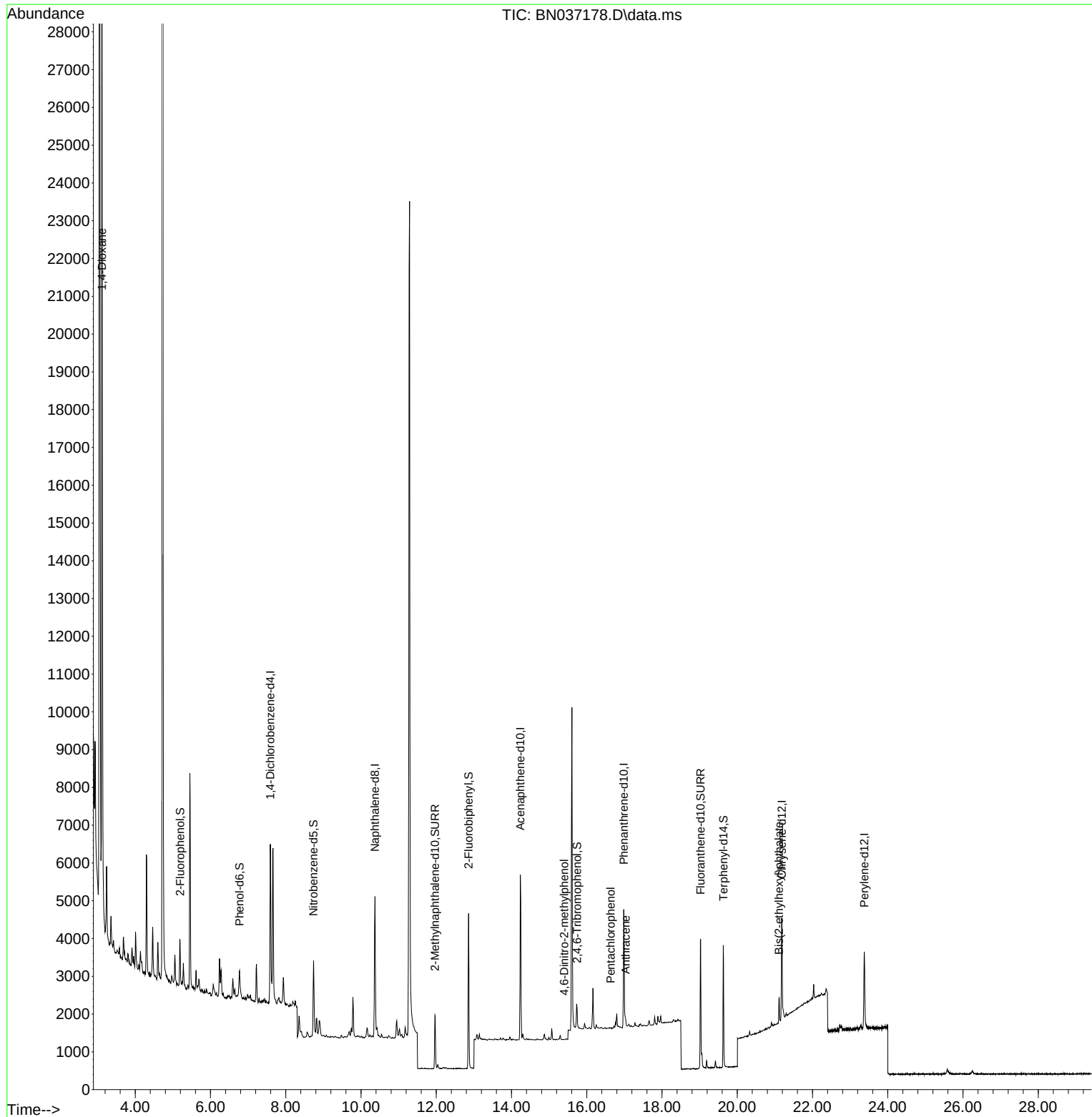
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1903	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	4873	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2514	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	4282	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2888	0.400	ng	0.00
35) Perylene-d12	23.377	264	2734	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.192	112	806	0.171	ng	0.00
5) Phenol-d6	6.773	99	603	0.106	ng	0.00
8) Nitrobenzene-d5	8.739	82	1605	0.312	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	1998	0.295	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	377	0.372	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3476	0.324	ng	0.00
27) Fluoranthene-d10	19.026	212	3980	0.366	ng	0.00
31) Terphenyl-d14	19.630	244	3083	0.454	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.119	88	15673	6.179	ng	96
20) 4,6-Dinitro-2-methylph...	15.400	198	4	0.277	ng	# 1
24) Pentachlorophenol	16.636	266	11	0.221	ng	# 1
26) Anthracene	17.034	178	255	0.020	ng	98
34) Bis(2-ethylhexyl)phtha...	21.108	149	683	0.104	ng	# 98

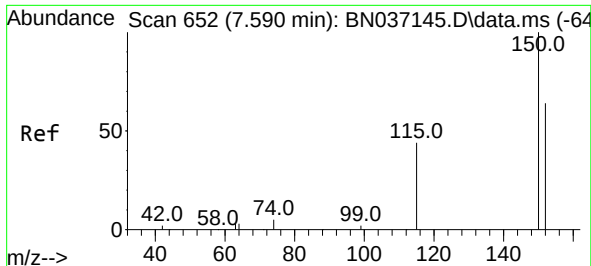
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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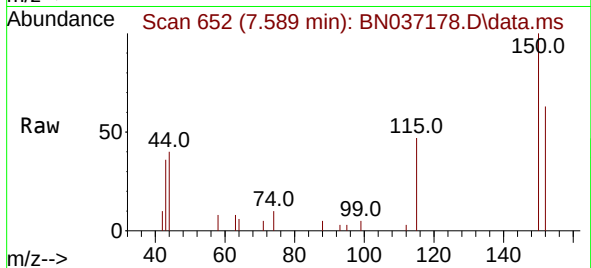
Quant Time: Jun 05 14:09:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
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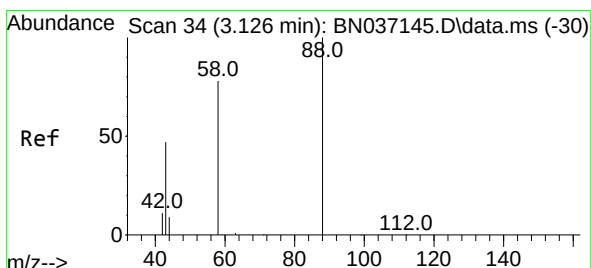
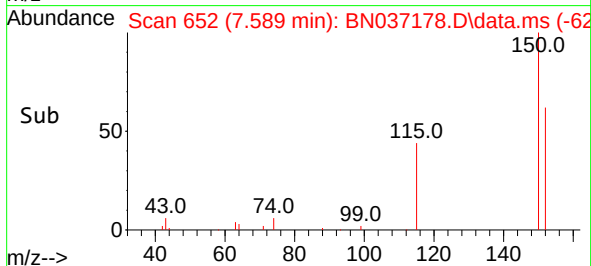
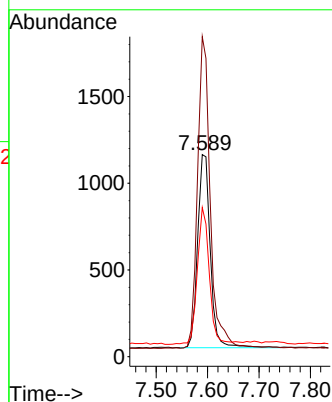
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037178.D
 Acq: 05 Jun 2025 13:20

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325



Tgt Ion:152 Resp: 1903

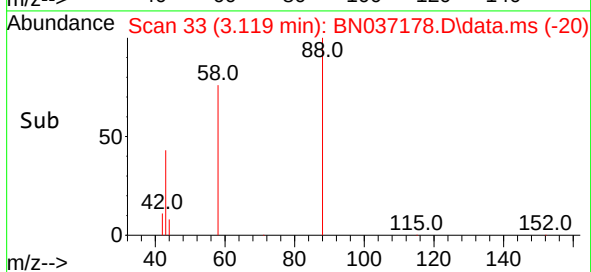
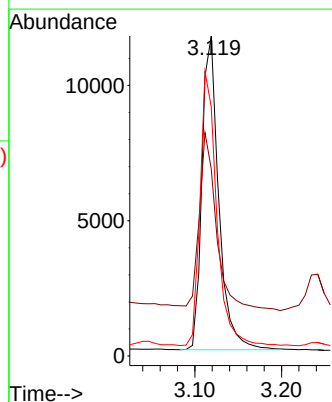
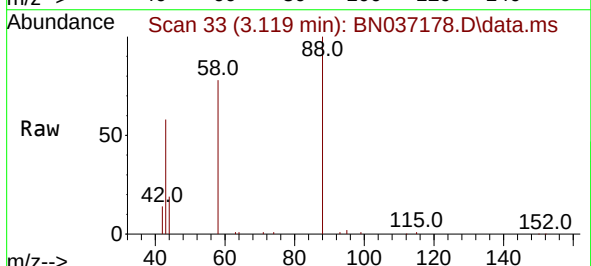
Ion	Ratio	Lower	Upper
152	100		
150	158.4	123.2	184.8
115	73.8	56.6	85.0

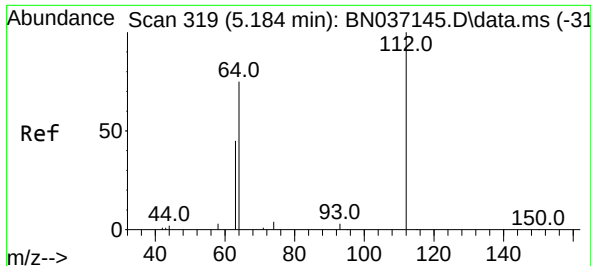


#2
 1,4-Dioxane
 Concen: 6.179 ng
 RT: 3.119 min Scan# 33
 Delta R.T. -0.007 min
 Lab File: BN037178.D
 Acq: 05 Jun 2025 13:20

Tgt Ion: 88 Resp: 15673

Ion	Ratio	Lower	Upper
88	100		
43	58.2	43.5	65.3
58	86.8	67.7	101.5





#4

2-Fluorophenol

Concen: 0.171 ng

RT: 5.192 min Scan# 319

Delta R.T. 0.007 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325

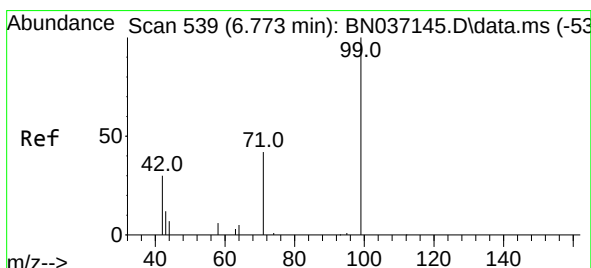
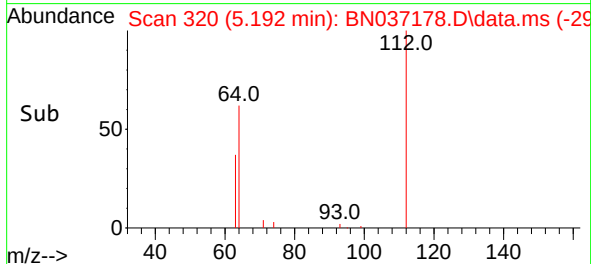
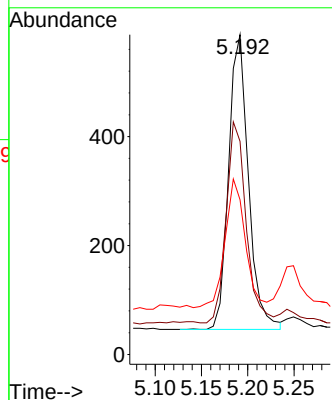
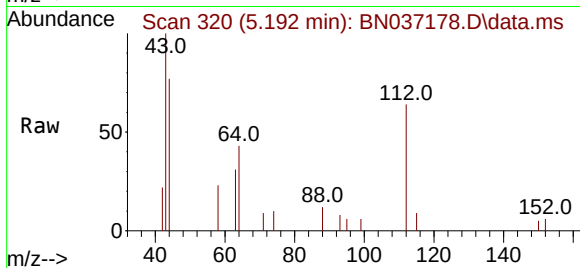
Tgt Ion:112 Resp: 806

Ion Ratio Lower Upper

112 100

64 69.1 56.3 84.5

63 45.2 36.2 54.4



#5

Phenol-d6

Concen: 0.106 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

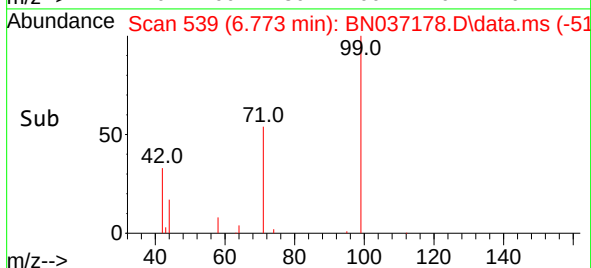
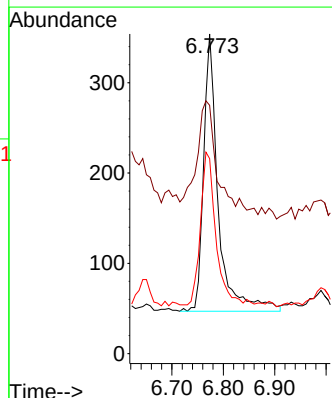
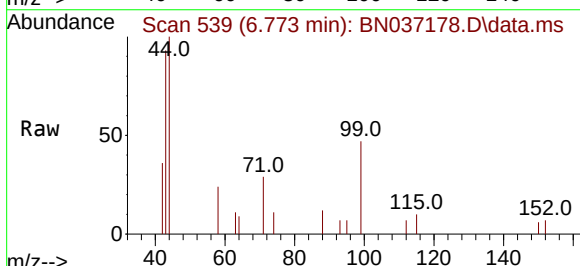
Tgt Ion: 99 Resp: 603

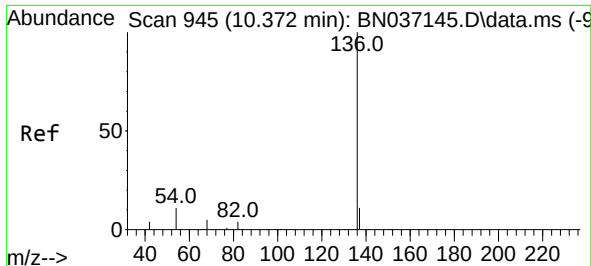
Ion Ratio Lower Upper

99 100

42 59.4 31.3 46.9#

71 58.2 38.2 57.2#

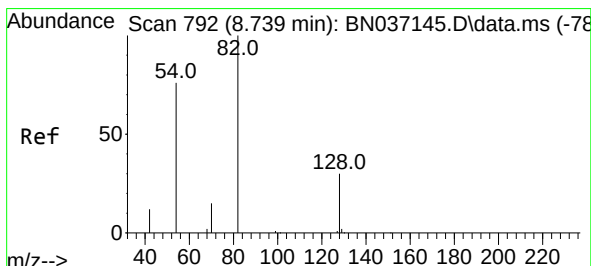
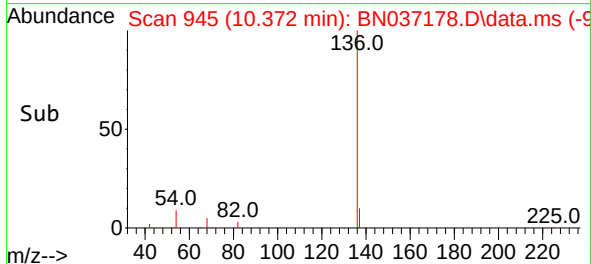
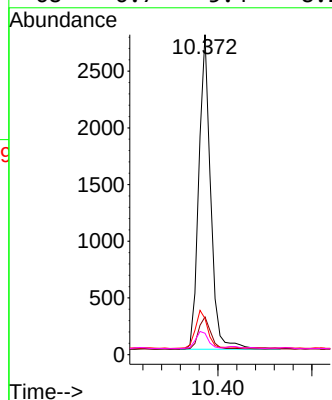
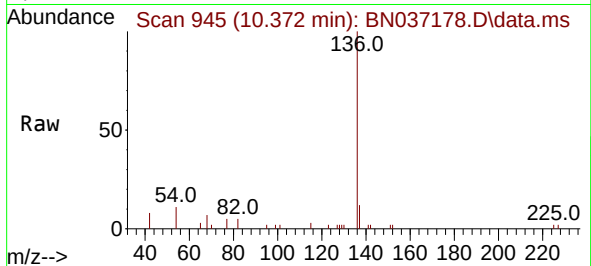




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

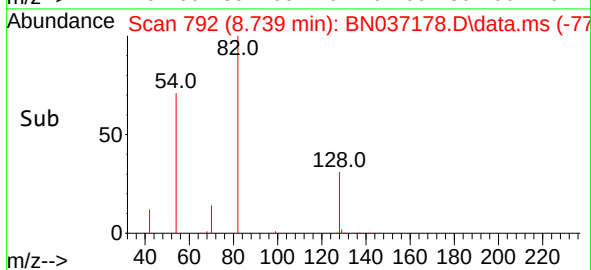
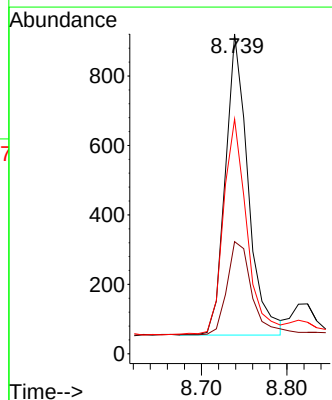
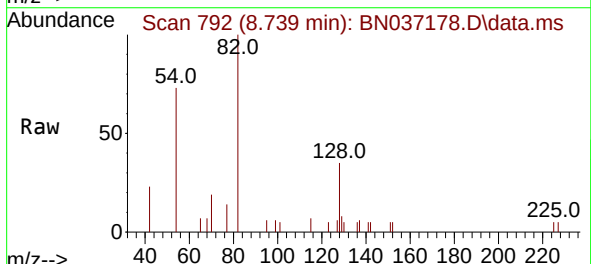
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

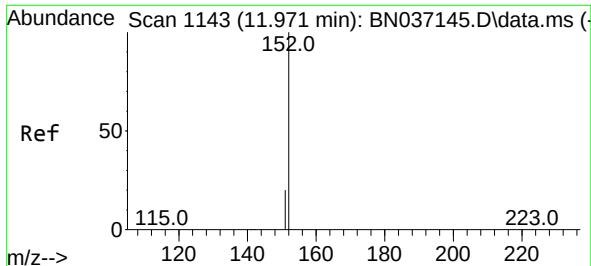
Tgt Ion:	136	Resp:	4873
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.7	14.5
54	11.3	9.7	14.5
68	6.7	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.312 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:	82	Resp:	1605
Ion	Ratio	Lower	Upper
82	100		
128	35.1	26.9	40.3
54	73.4	61.4	92.2





#11

2-Methylnaphthalene-d10

Concen: 0.295 ng

RT: 11.966 min Scan# 1142

Delta R.T. -0.005 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

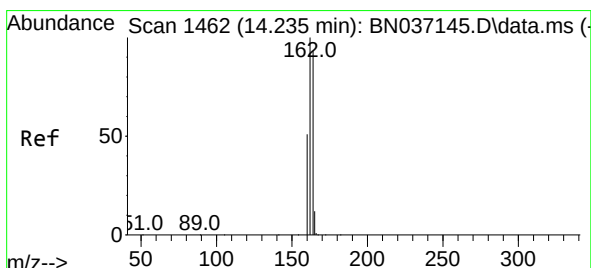
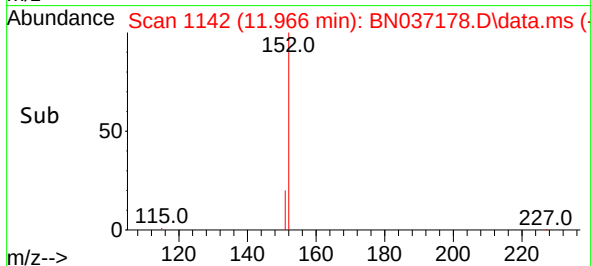
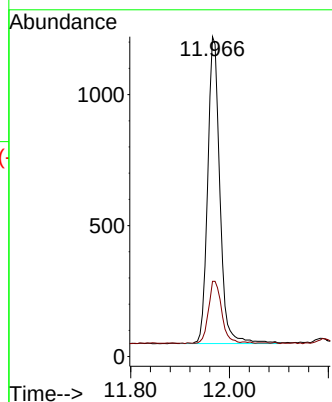
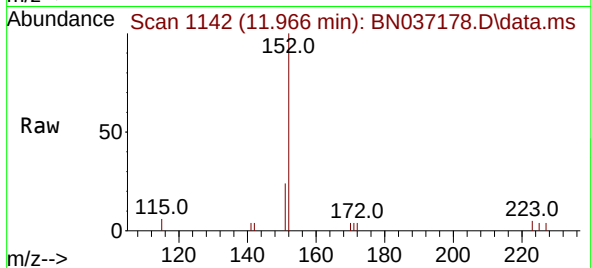
RMW-03B-90-060325

Tgt Ion:152 Resp: 1998

Ion Ratio Lower Upper

152 100

151 21.7 17.1 25.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.235 min Scan# 1462

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

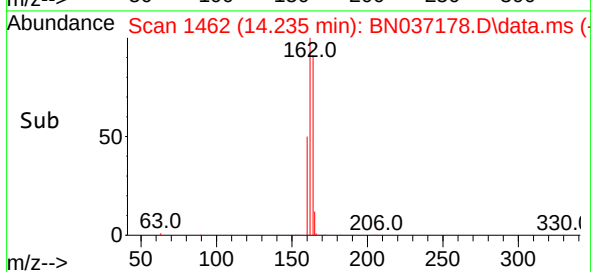
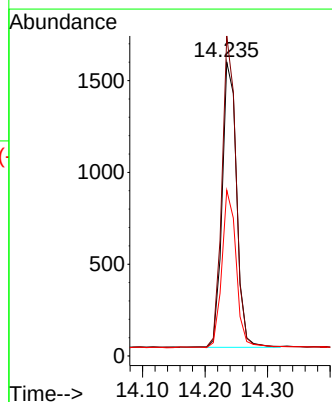
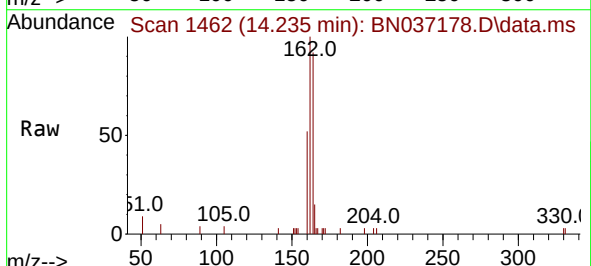
Tgt Ion:164 Resp: 2514

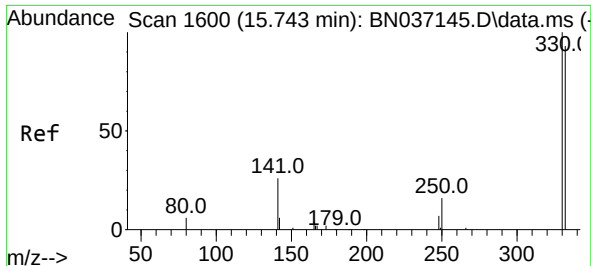
Ion Ratio Lower Upper

164 100

162 108.9 85.5 128.3

160 56.4 44.6 67.0

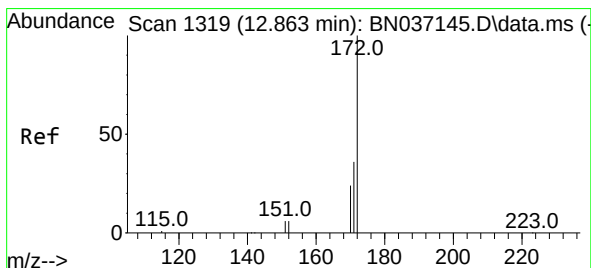
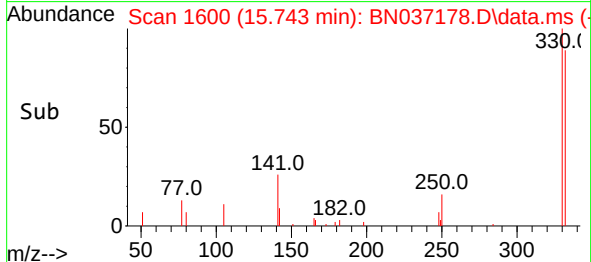
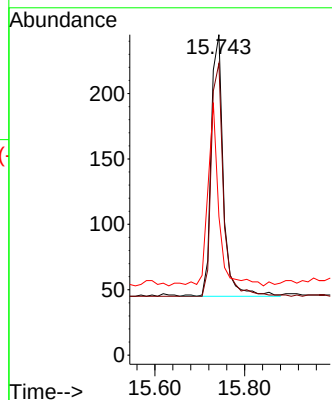
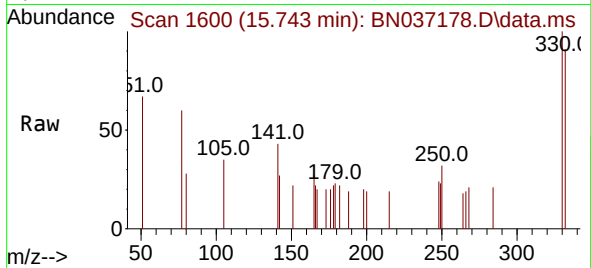




#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

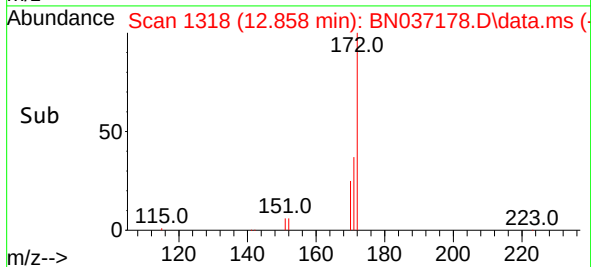
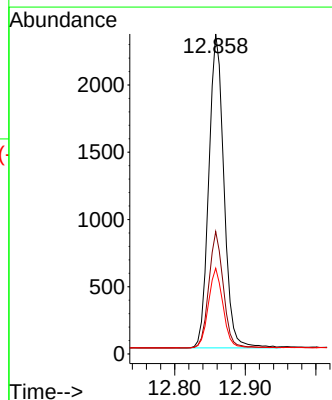
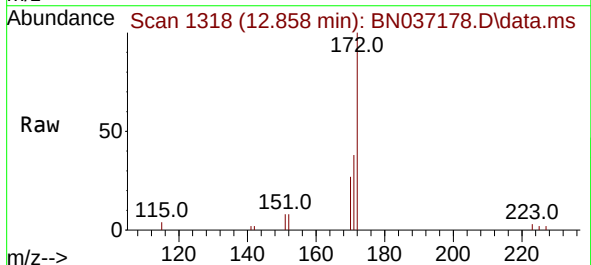
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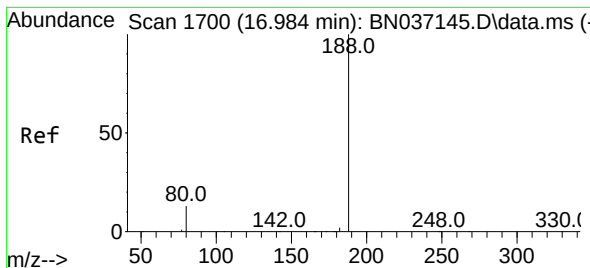
Tgt Ion:330 Resp: 377
Ion Ratio Lower Upper
330 100
332 89.4 77.1 115.7
141 62.6 46.4 69.6



#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 12.858 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:172 Resp: 3476
Ion Ratio Lower Upper
172 100
171 38.3 29.6 44.4
170 26.8 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

Instrument :

BNA_N

ClientSampleId :

RMW-03B-90-060325

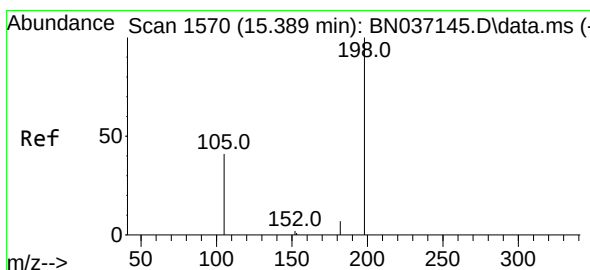
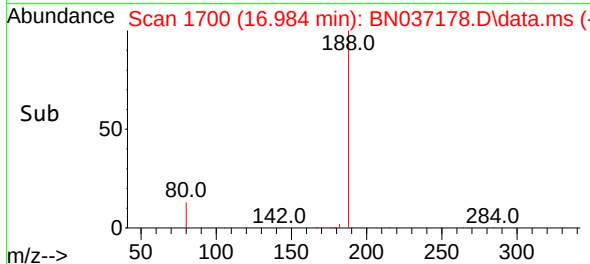
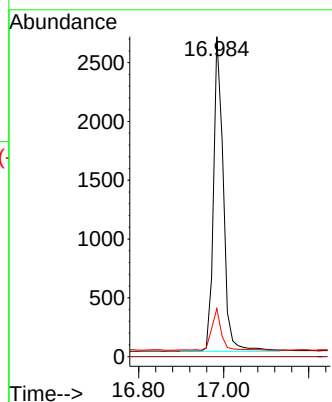
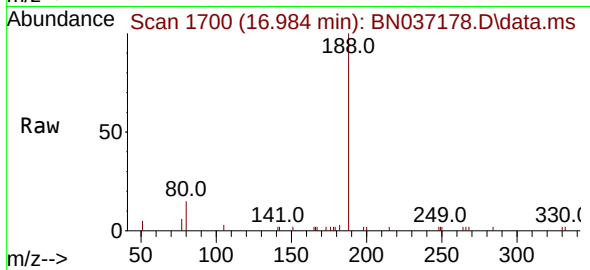
Tgt Ion:188 Resp: 4282

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.0 11.3 16.9



#20

4,6-Dinitro-2-methylphenol

Concen: 0.277 ng

RT: 15.400 min Scan# 1571

Delta R.T. 0.011 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

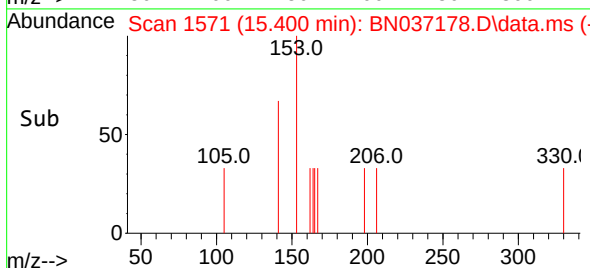
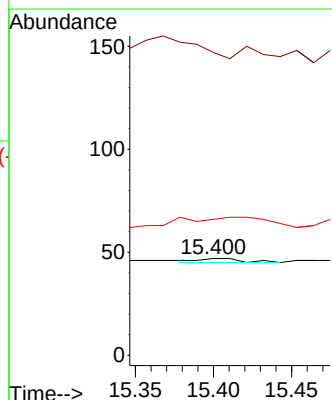
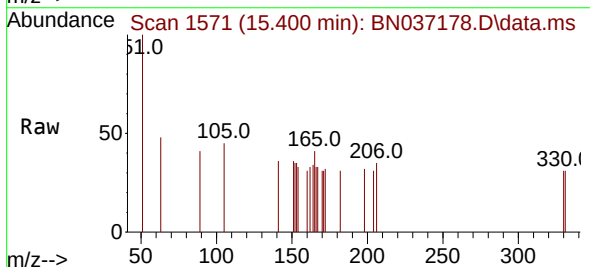
Tgt Ion:198 Resp: 4

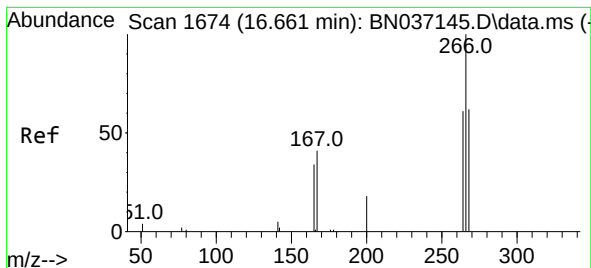
Ion Ratio Lower Upper

198 100

51 312.8 125.2 187.8#

105 140.4 57.1 85.7#





#24

Pentachlorophenol

Concen: 0.221 ng

RT: 16.636 min Scan# 1

Delta R.T. -0.025 min

Lab File: BN037178.D

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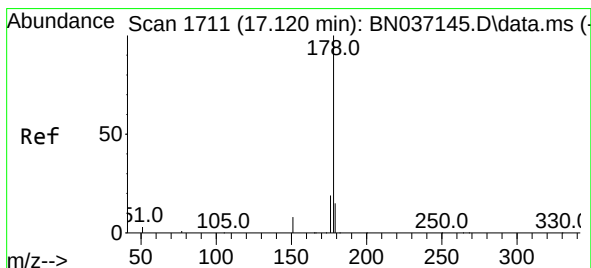
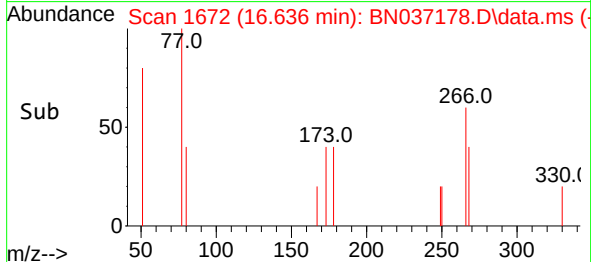
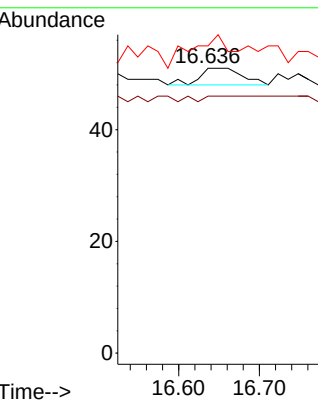
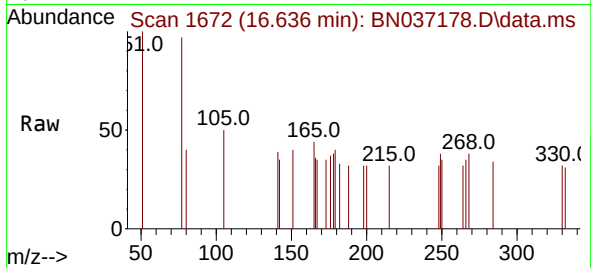
Tgt Ion:266 Resp: 11

Ion Ratio Lower Upper

266 100

264 0.0 49.3 73.9#

268 181.8 49.0 73.4#



#26

Anthracene

Concen: 0.020 ng

RT: 17.034 min Scan# 1704

Delta R.T. -0.087 min

Lab File: BN037178.D

Acq: 05 Jun 2025 13:20

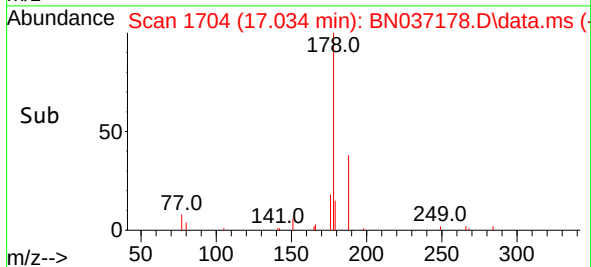
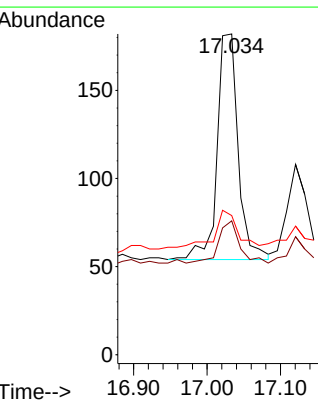
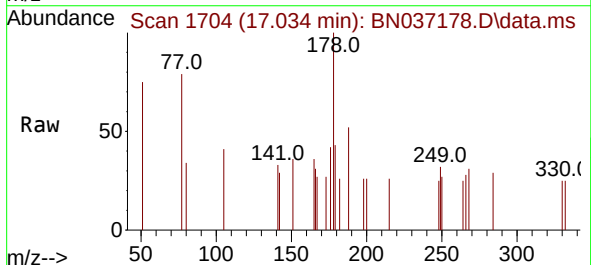
Tgt Ion:178 Resp: 255

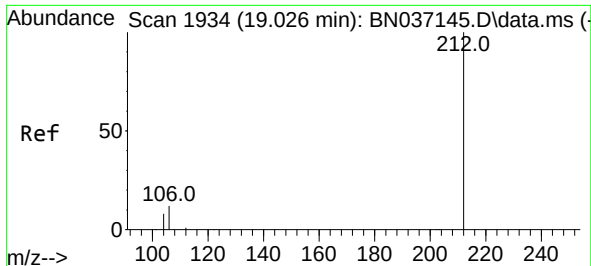
Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

179 16.9 12.9 19.3

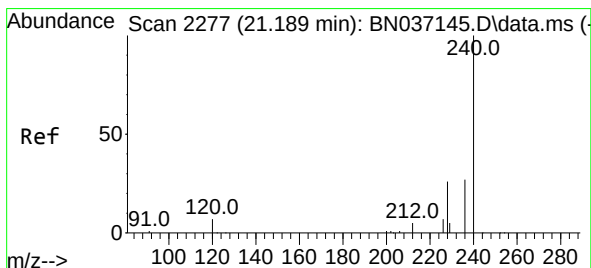
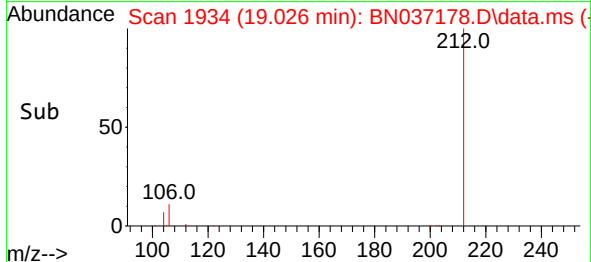
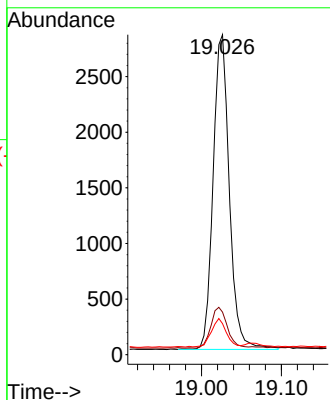
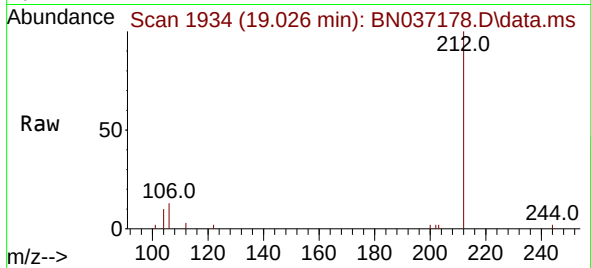




#27
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

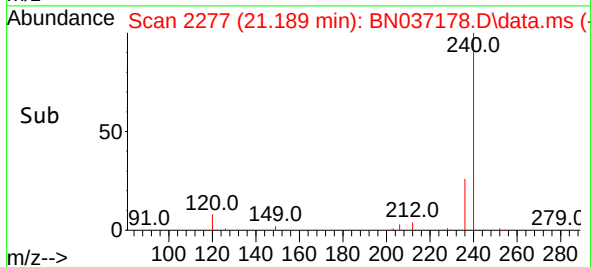
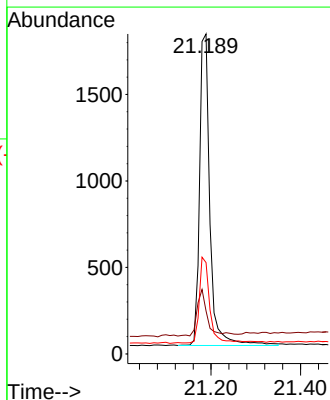
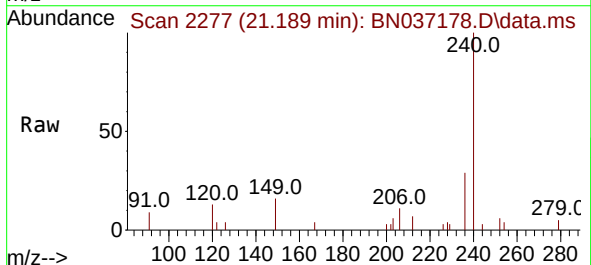
Instrument :
BNA_N
ClientSampleId :
RMW-03B-90-060325

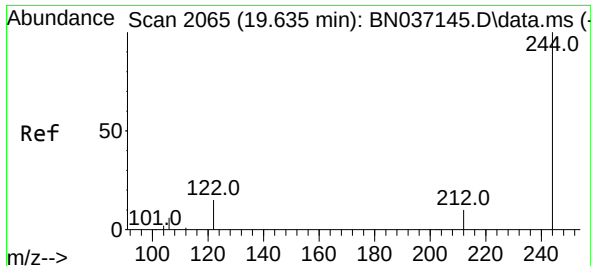
Tgt Ion:212 Resp: 3980
Ion Ratio Lower Upper
212 100
106 13.2 10.6 15.8
104 8.2 6.6 9.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BN037178.D
Acq: 05 Jun 2025 13:20

Tgt Ion:240 Resp: 2888
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.4
236 28.5 23.0 34.4

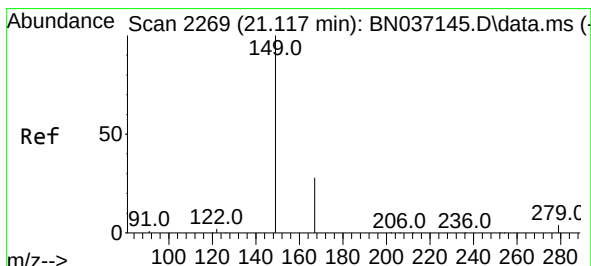
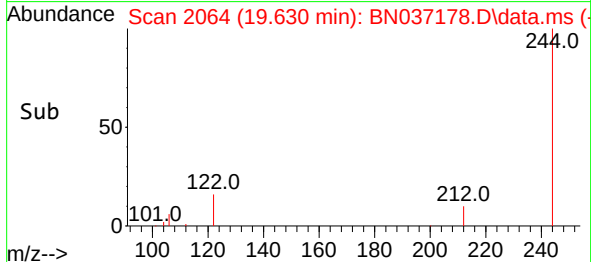
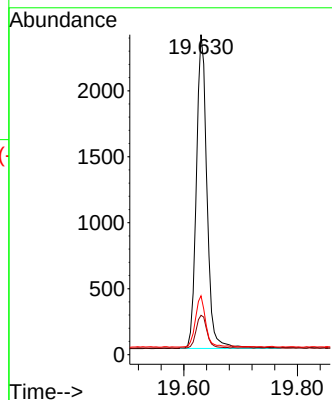
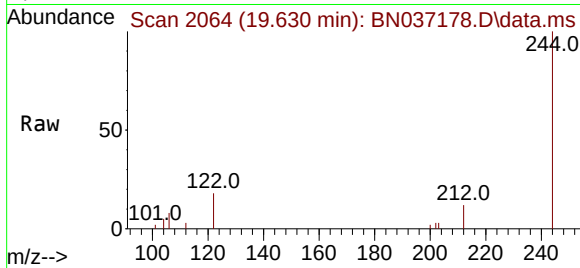




#31
 Terphenyl-d14
 Concen: 0.454 ng
 RT: 19.630 min Scan# 2065
 Delta R.T. -0.005 min
 Lab File: BN037178.D
 Acq: 05 Jun 2025 13:20

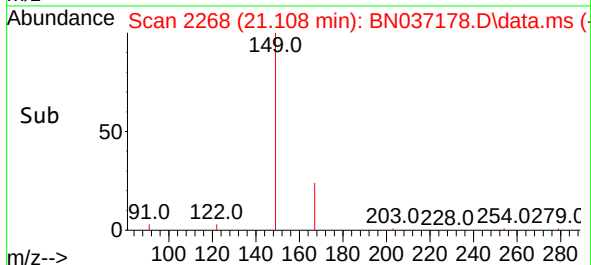
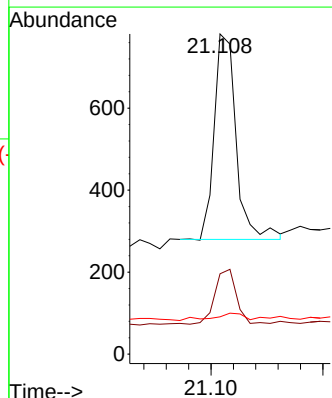
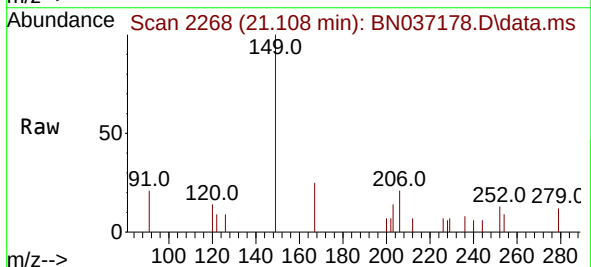
Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325

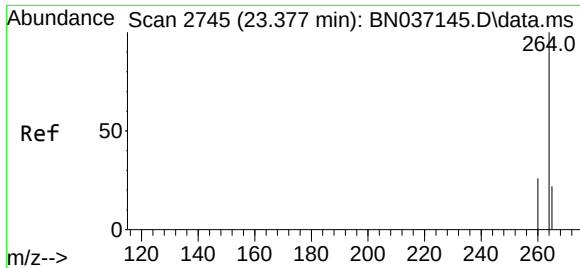
Tgt Ion:244 Resp: 3083
 Ion Ratio Lower Upper
 244 100
 212 12.3 10.0 15.0
 122 18.4 13.2 19.8



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.104 ng
 RT: 21.108 min Scan# 2268
 Delta R.T. -0.009 min
 Lab File: BN037178.D
 Acq: 05 Jun 2025 13:20

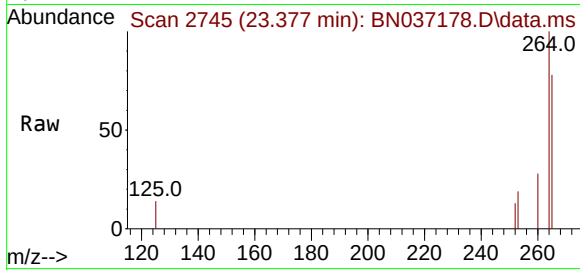
Tgt Ion:149 Resp: 683
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.0 31.4
 279 6.0 2.9 4.3#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN037178.D
 Acq: 05 Jun 2025 13:20

Instrument :
 BNA_N
 ClientSampleId :
 RMW-03B-90-060325



Tgt Ion:264 Resp: 2734

Ion	Ratio	Lower	Upper
264	100		
260	28.1	22.1	33.1
265	77.8	55.8	83.8

