

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040425\
 Data File : BN036840.D
 Acq On : 04 Apr 2025 17:58
 Operator : RC/JU
 Sample : Q1731-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RMW-04B-91-040325

Quant Time: Apr 04 18:23:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 04 17:30:43 2025
 Response via : Initial Calibration

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

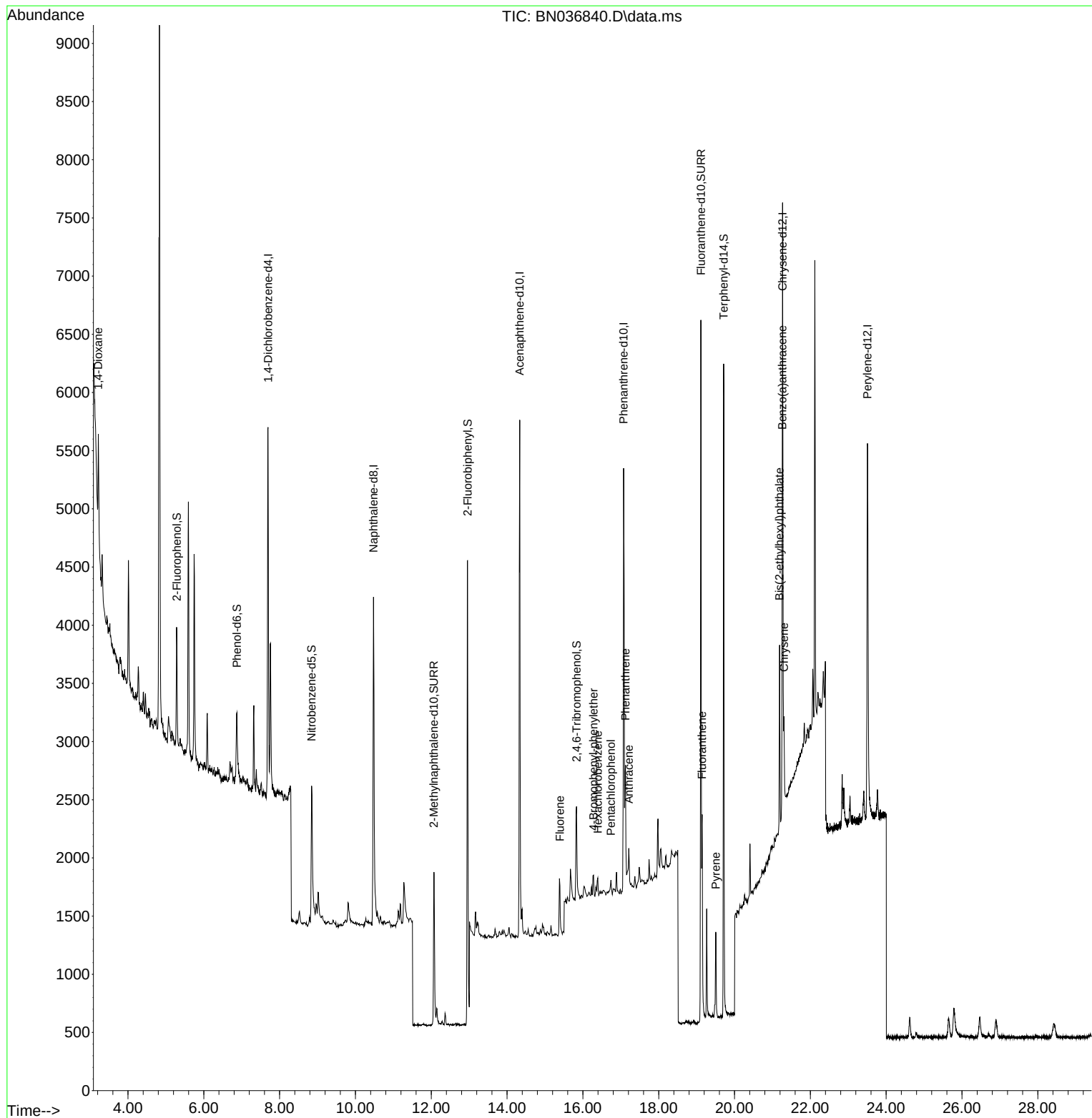
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	1693	0.400	ng	0.00
7) Naphthalene-d8	10.477	136	4270	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	2557	0.400	ng	0.00
19) Phenanthrene-d10	17.074	188	5530	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	4895	0.400	ng	0.00
35) Perylene-d12	23.508	264	4713	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	739	0.187	ng	0.00
5) Phenol-d6	6.872	99	704	0.144	ng	0.00
8) Nitrobenzene-d5	8.843	82	1455	0.313	ng	0.00
11) 2-Methylnaphthalene-d10	12.070	152	2214	0.349	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	536	0.462	ng	0.00
15) 2-Fluorobiphenyl	12.958	172	5497	0.370	ng	0.00
27) Fluoranthene-d10	19.113	212	6769	0.478	ng	0.00
31) Terphenyl-d14	19.712	244	5514	0.470	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	541	0.288	ng	# 27
18) Fluorene	15.393	166	231	0.022	ng	# 88
21) 4-Bromophenyl-phenylether	16.280	248	84	0.024	ng	91
22) Hexachlorobenzene	16.391	284	126	0.030	ng	92
24) Pentachlorophenol	16.739	266	77	0.040	ng	91
25) Phenanthrene	17.124	178	1209	0.073	ng	98
26) Anthracene	17.211	178	423	0.028	ng	98
28) Fluoranthene	19.141	202	856	0.046	ng	# 55
30) Pyrene	19.508	202	677	0.028	ng	# 94
32) Benzo(a)anthracene	21.259	228	378	0.022	ng	# 73
33) Chrysene	21.304	228	501	0.027	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.187	149	1446	0.119	ng	# 98

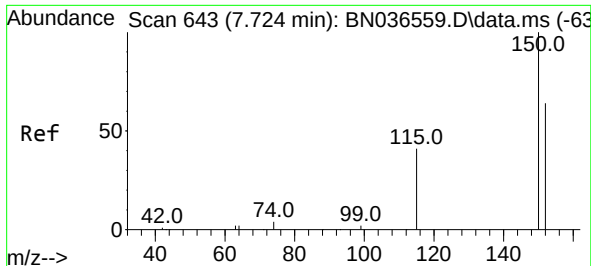
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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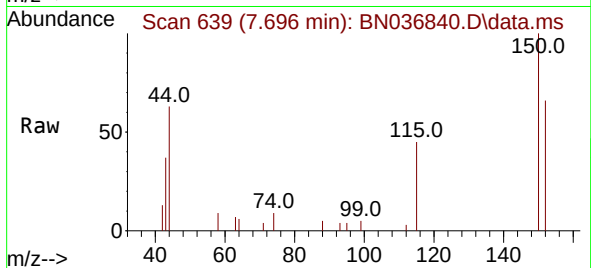
Quant Time: Apr 04 18:23:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
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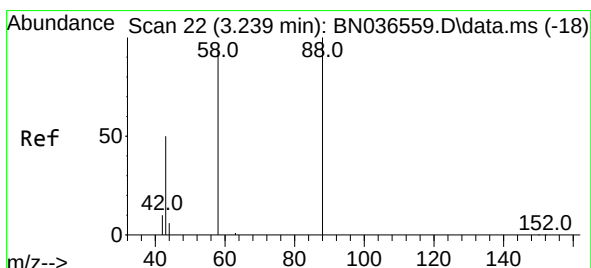
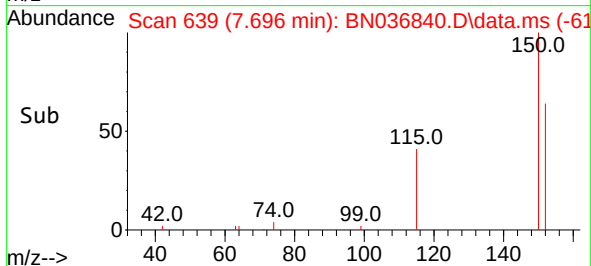
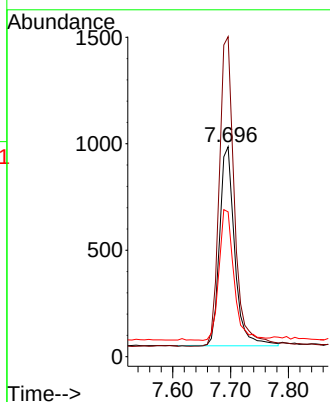
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.696 min Scan# 61
 Delta R.T. 0.008 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Instrument :
 BNA_N
 ClientSampleId :
 RMW-04B-91-040325



Tgt Ion:152 Resp: 1693

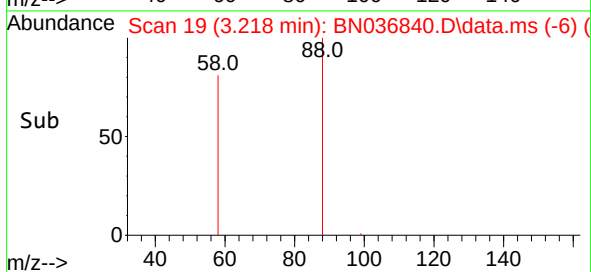
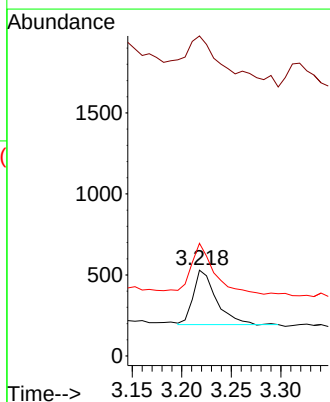
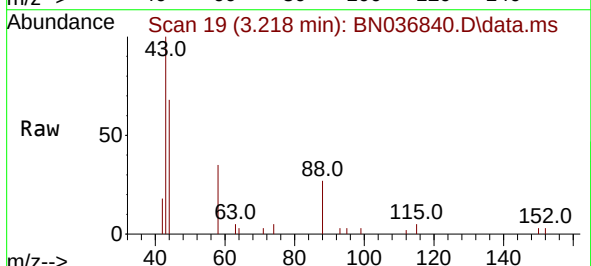
Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.7	185.5
115	69.0	54.3	81.5

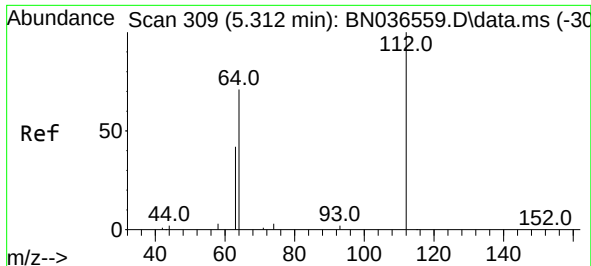


#2
 1,4-Dioxane
 Concen: 0.288 ng
 RT: 3.218 min Scan# 19
 Delta R.T. -0.007 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Tgt Ion: 88 Resp: 541

Ion	Ratio	Lower	Upper
88	100		
43	166.7	37.8	56.8#
58	96.9	67.4	101.2





#4

2-Fluorophenol

Concen: 0.187 ng

RT: 5.291 min Scan# 309

Delta R.T. 0.007 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_N

ClientSampleId :

RMW-04B-91-040325

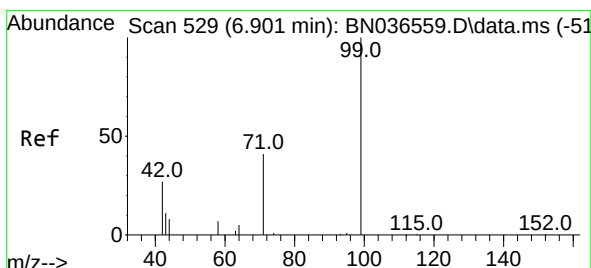
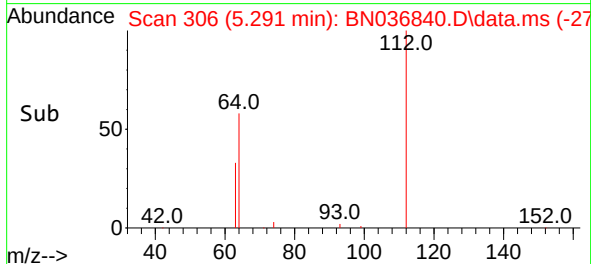
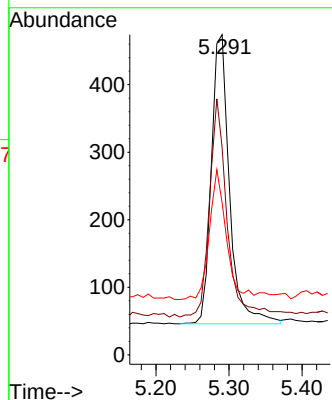
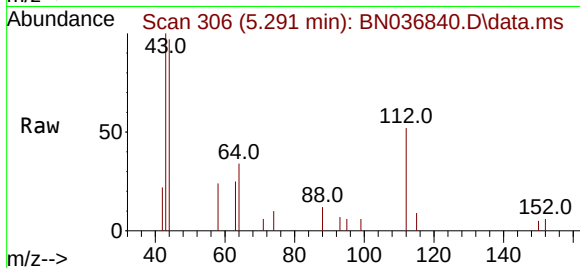
Tgt Ion:112 Resp: 739

Ion Ratio Lower Upper

112 100

64 74.3 53.1 79.7

63 44.4 31.8 47.8



#5

Phenol-d6

Concen: 0.144 ng

RT: 6.872 min Scan# 525

Delta R.T. 0.007 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

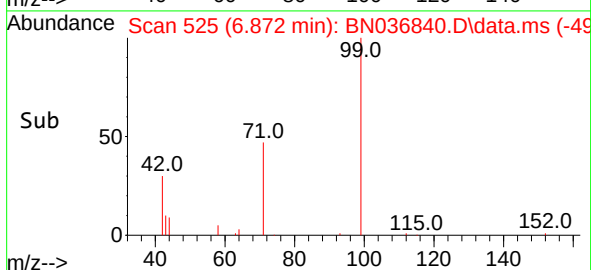
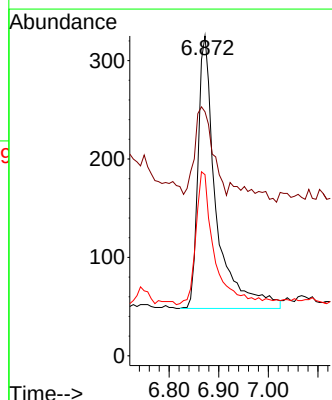
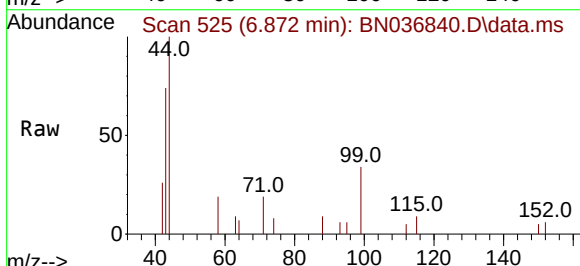
Tgt Ion: 99 Resp: 704

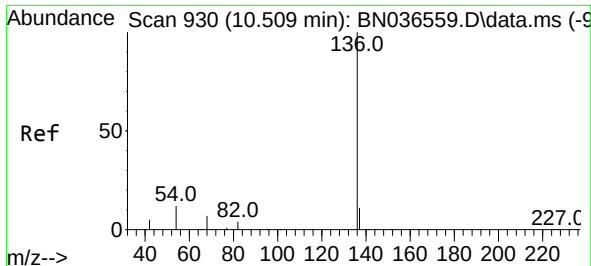
Ion Ratio Lower Upper

99 100

42 31.5 26.5 39.7

71 49.9 34.1 51.1

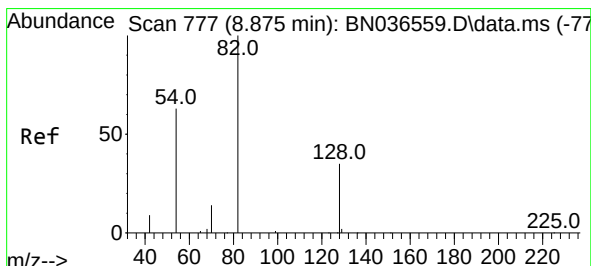
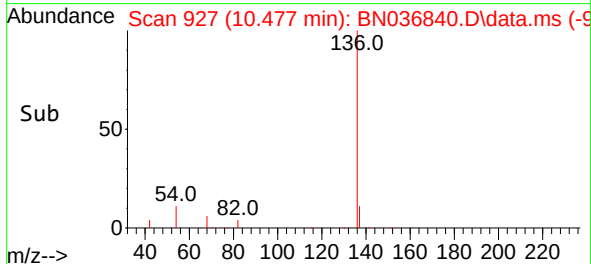
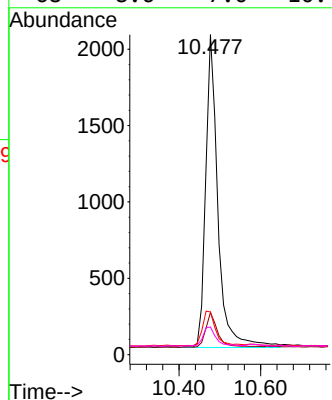
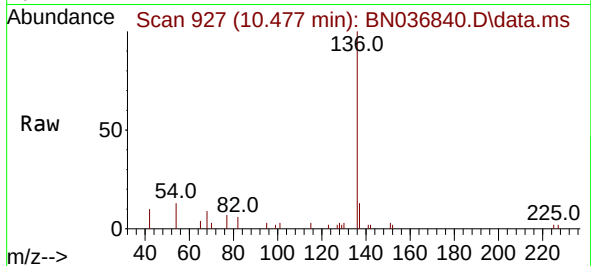




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

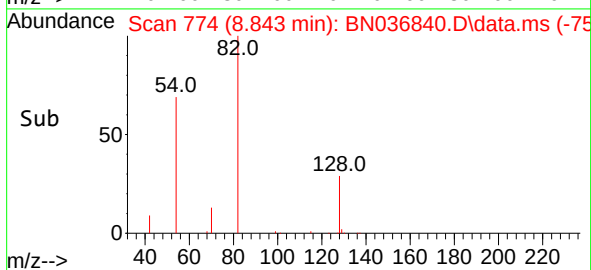
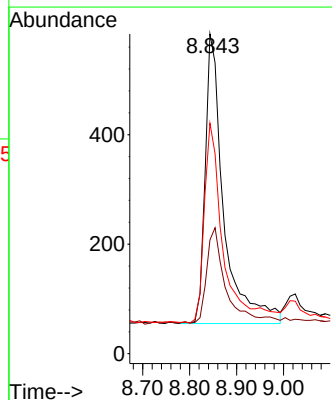
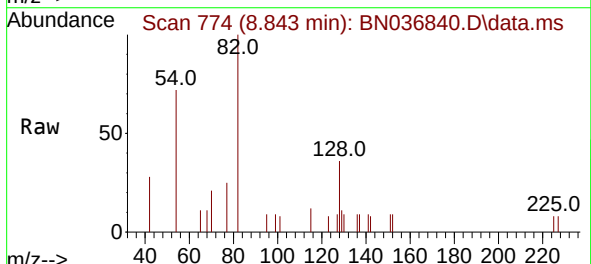
Instrument :
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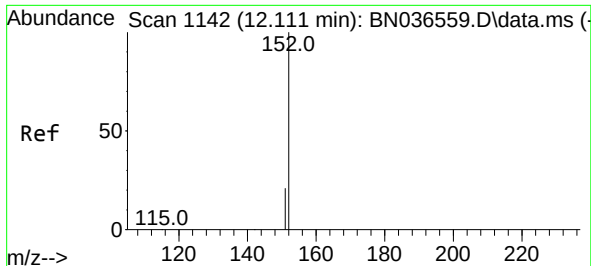
Tgt Ion:	136	Resp:	4270
Ion	Ratio	Lower	Upper
136	100		
137	13.2	10.3	15.5
54	13.4	11.5	17.3
68	8.6	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 8.843 min Scan# 774
Delta R.T. 0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Tgt Ion:	82	Resp:	1455
Ion	Ratio	Lower	Upper
82	100		
128	35.6	30.6	45.8
54	72.1	52.2	78.4

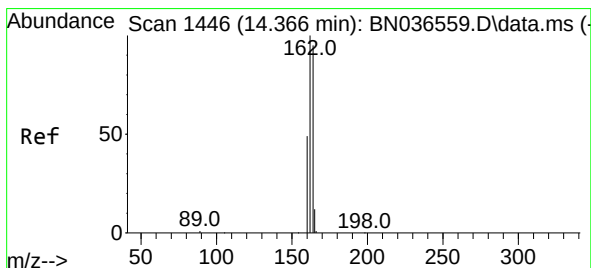
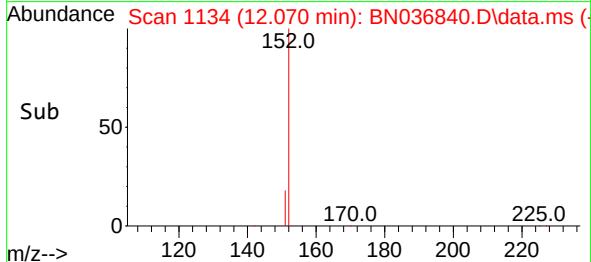
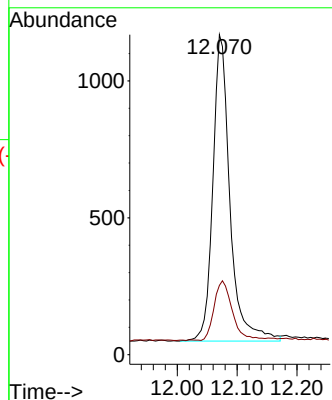
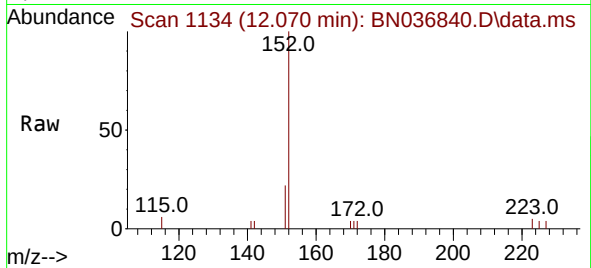




#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.070 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

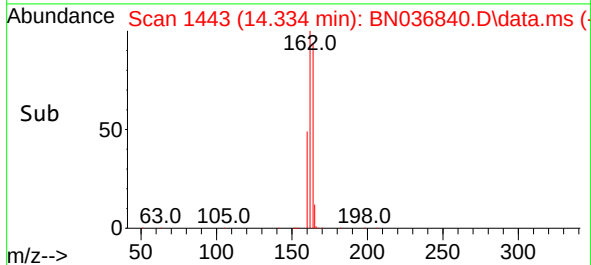
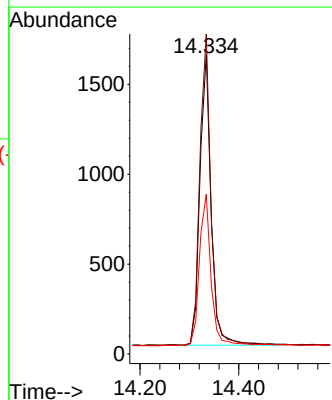
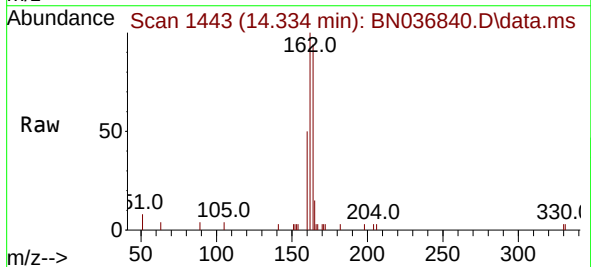
Instrument :
BNA_N
ClientSampleId :
RMW-04B-91-040325

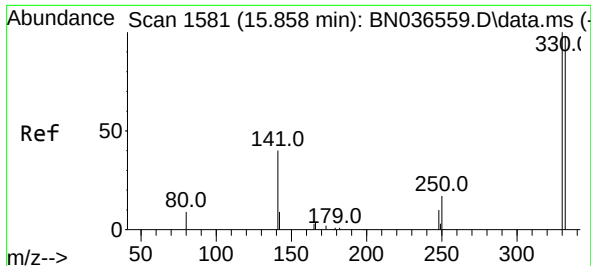
Tgt Ion:152 Resp: 2214
Ion Ratio Lower Upper
152 100
151 20.5 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

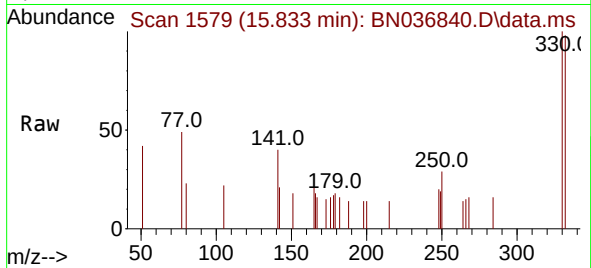
Tgt Ion:164 Resp: 2557
Ion Ratio Lower Upper
164 100
162 106.8 84.2 126.2
160 53.4 42.2 63.2



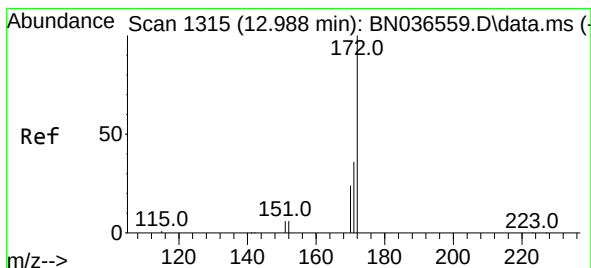
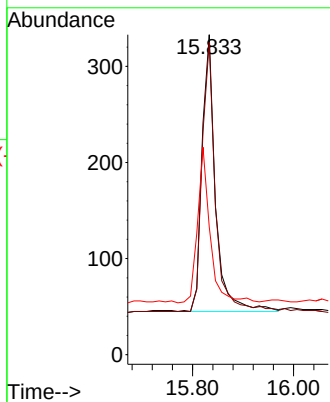
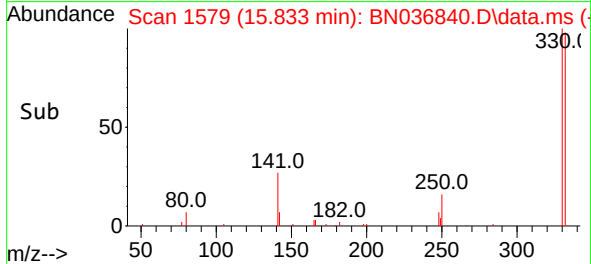


#14
2,4,6-Tribromophenol
Concen: 0.462 ng
RT: 15.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Instrument :
BNA_N
ClientSampleId :
RMW-04B-91-040325

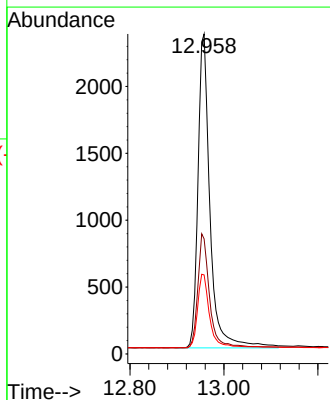
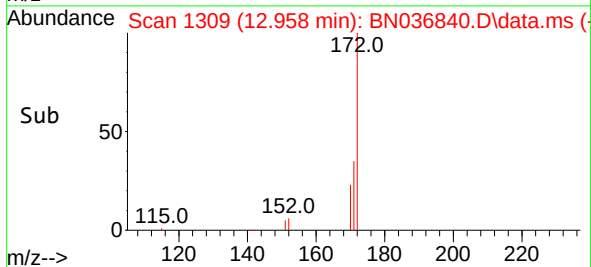
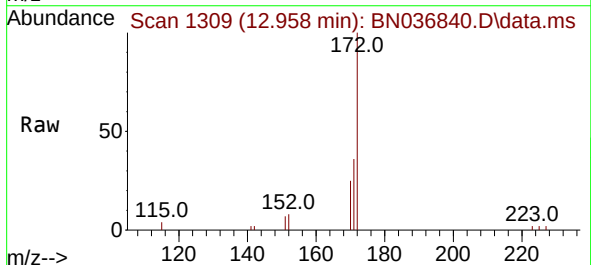


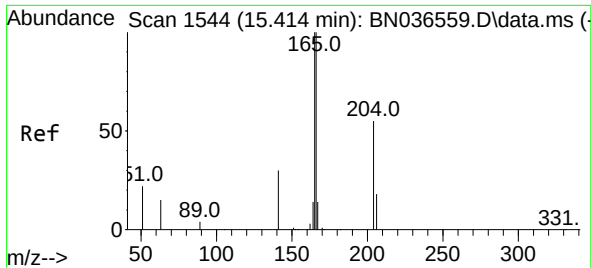
Tgt Ion:330 Resp: 536
Ion Ratio Lower Upper
330 100
332 95.7 75.2 112.8
141 52.4 43.4 65.2



#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.958 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Tgt Ion:172 Resp: 5497
Ion Ratio Lower Upper
172 100
171 35.9 29.5 44.3
170 24.7 20.2 30.4

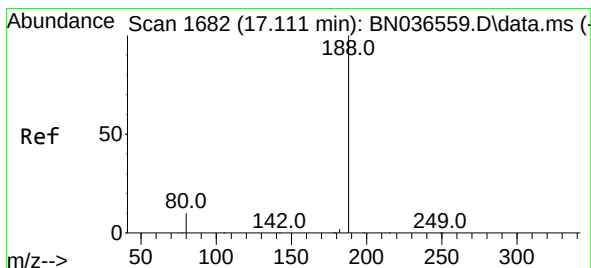
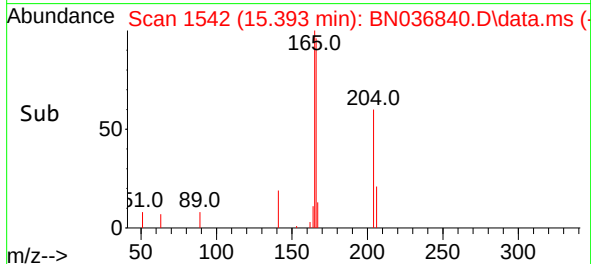
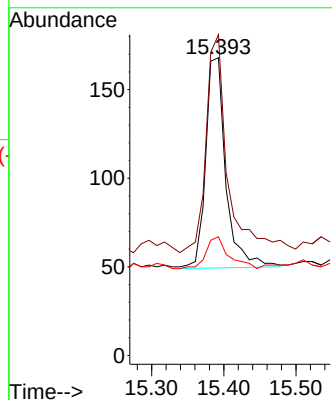
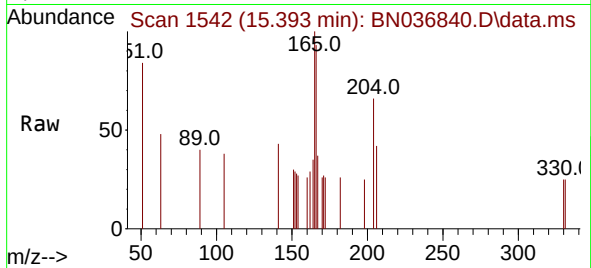




#18
 Fluorene
 Concen: 0.022 ng
 RT: 15.393 min Scan# 11
 Delta R.T. 0.011 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

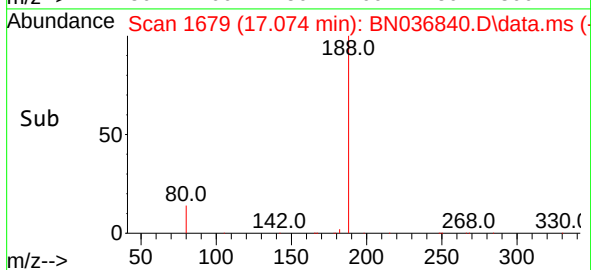
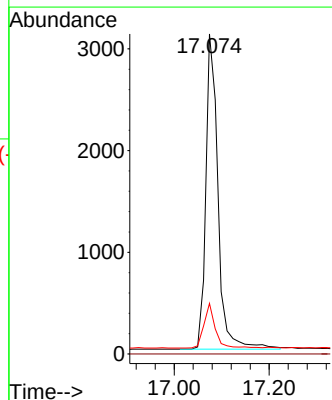
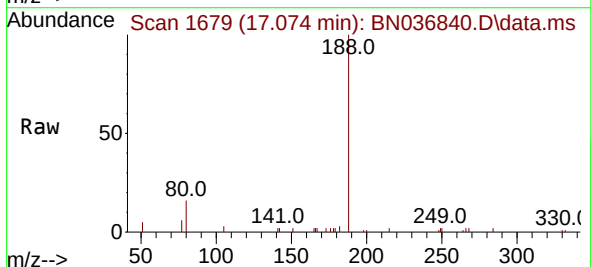
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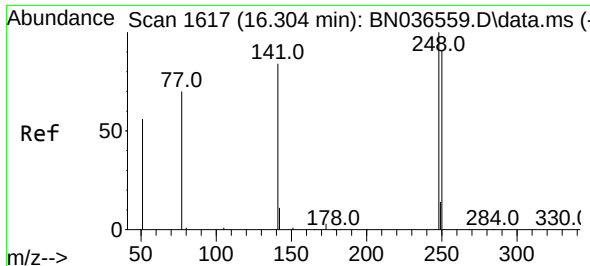
Tgt Ion:166 Resp: 231
 Ion Ratio Lower Upper
 166 100
 165 112.1 79.8 119.8
 167 16.9 10.6 15.8#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.074 min Scan# 1679
 Delta R.T. -0.000 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Tgt Ion:188 Resp: 5530
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 15.8 8.8 13.2#

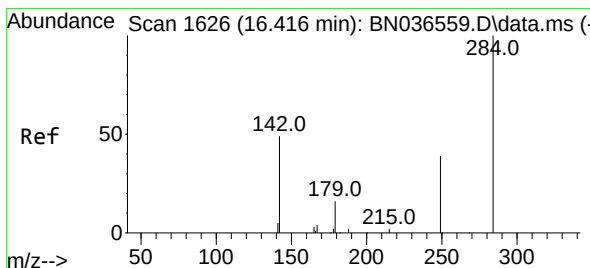
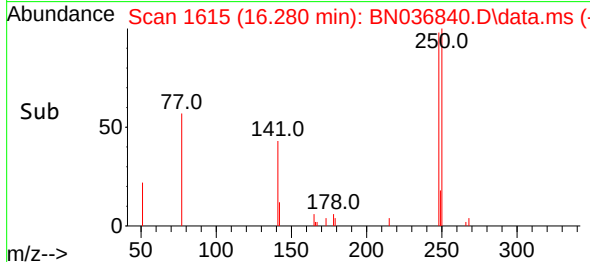
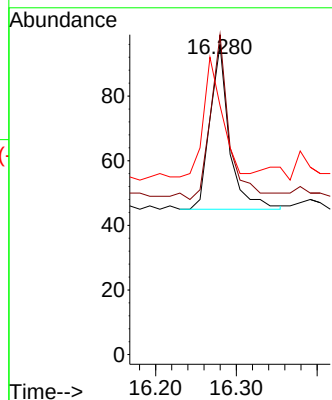
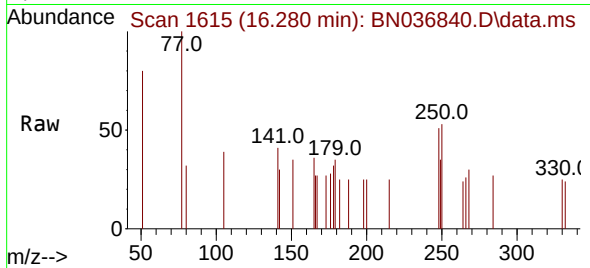




#21
4-Bromophenyl-phenylether
Concen: 0.024 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

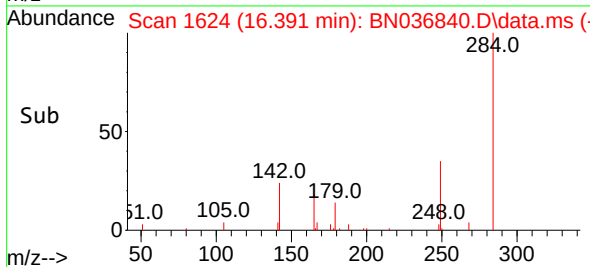
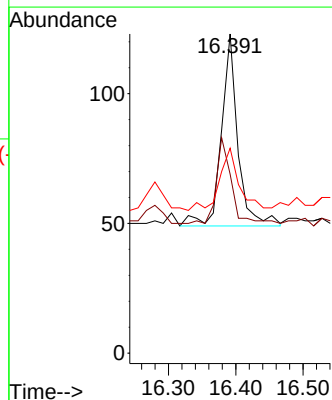
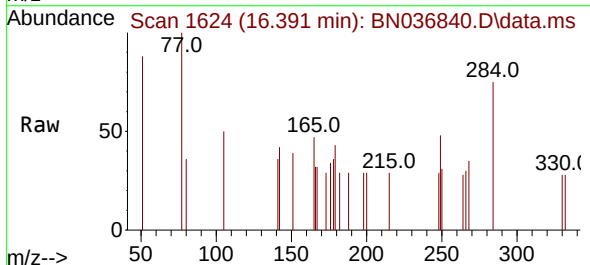
Instrument :
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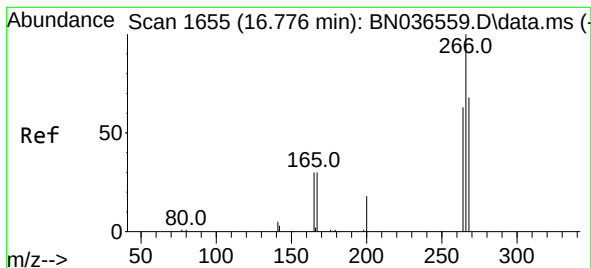
Tgt Ion:	248	Resp:	84
Ion	Ratio	Lower	Upper
248	100		
250	103.1	73.0	109.6
141	80.2	68.6	103.0



#22
Hexachlorobenzene
Concen: 0.030 ng
RT: 16.391 min Scan# 1624
Delta R.T. 0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Tgt Ion:	284	Resp:	126
Ion	Ratio	Lower	Upper
284	100		
142	39.7	37.0	55.4
249	38.9	28.1	42.1





#24

Pentachlorophenol

Concen: 0.040 ng

RT: 16.739 min Scan# 1652

Delta R.T. -0.000 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_N

ClientSampleId :

RMW-04B-91-040325

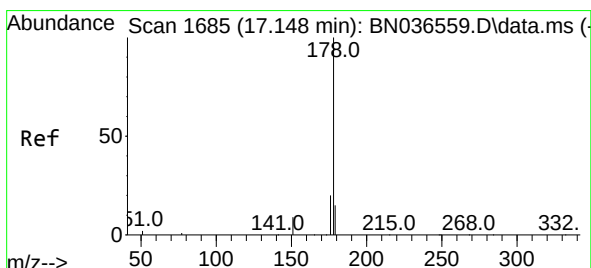
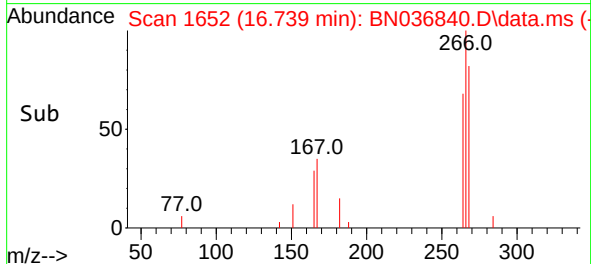
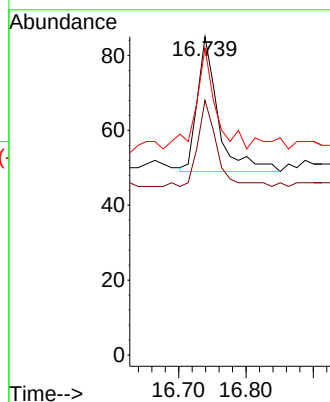
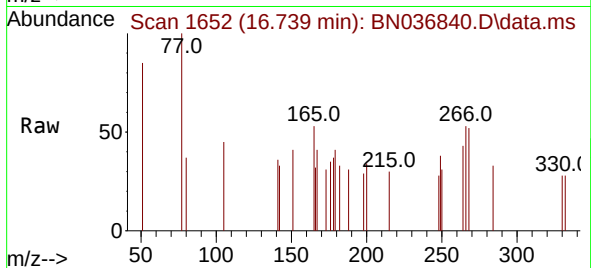
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

264 58.4 49.6 74.4

268 74.0 50.9 76.3



#25

Phenanthrene

Concen: 0.073 ng

RT: 17.124 min Scan# 1683

Delta R.T. -0.000 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

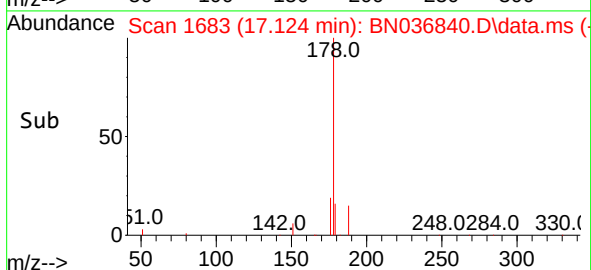
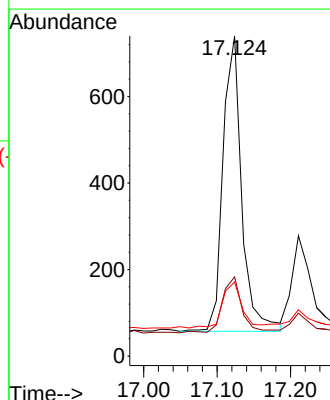
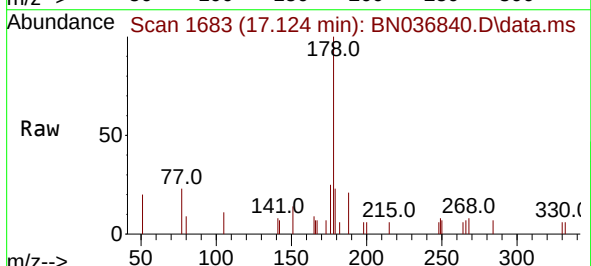
Tgt Ion:178 Resp: 1209

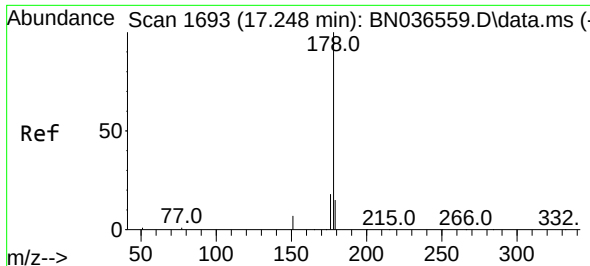
Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 16.1 12.2 18.4

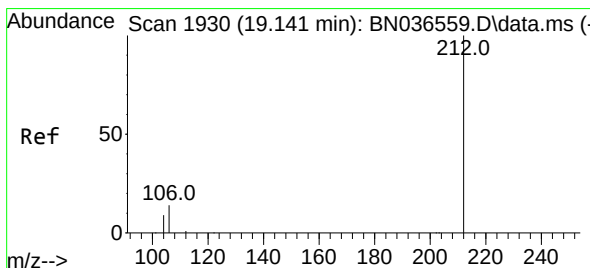
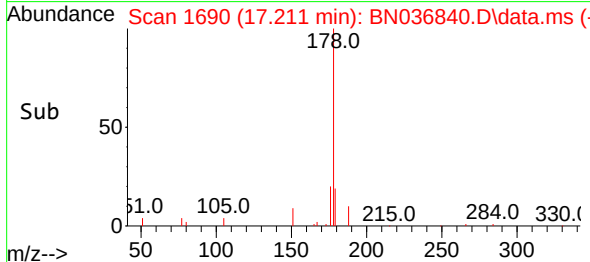
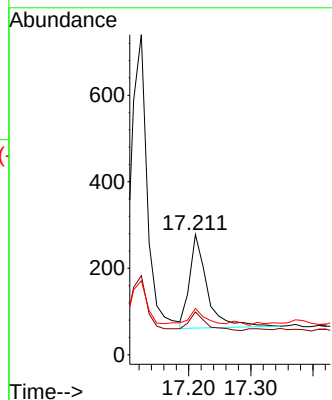
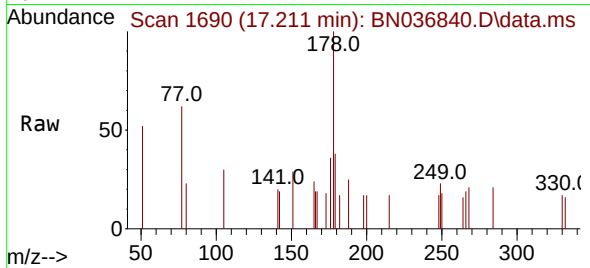




#26
 Anthracene
 Concen: 0.028 ng
 RT: 17.211 min Scan# 1690
 Delta R.T. 0.000 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

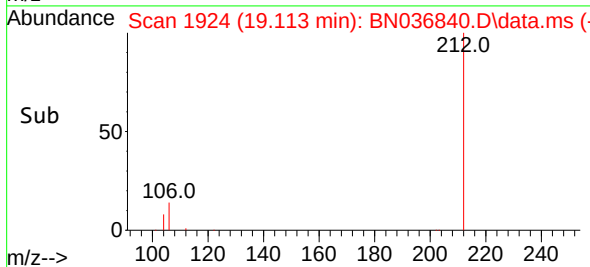
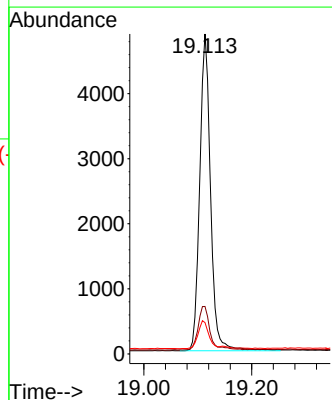
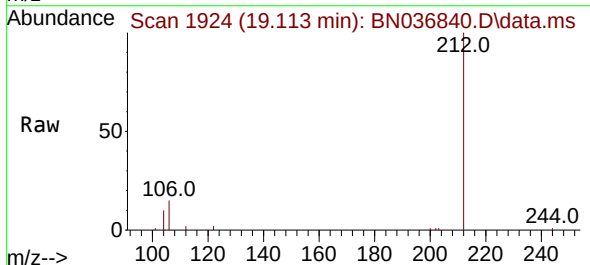
Instrument :
 BNA_N
 ClientSampleId :
 RMW-04B-91-040325

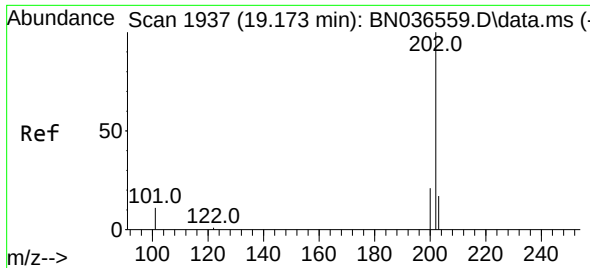
Tgt Ion:178	Resp:	423
Ion	Ratio	Lower Upper
178	100	
176	18.4	15.4 23.2
179	14.7	12.6 18.8



#27
 Fluoranthene-d10
 Concen: 0.478 ng
 RT: 19.113 min Scan# 1924
 Delta R.T. -0.000 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Tgt Ion:212	Resp:	6769
Ion	Ratio	Lower Upper
212	100	
106	15.1	11.8 17.6
104	8.8	7.3 10.9

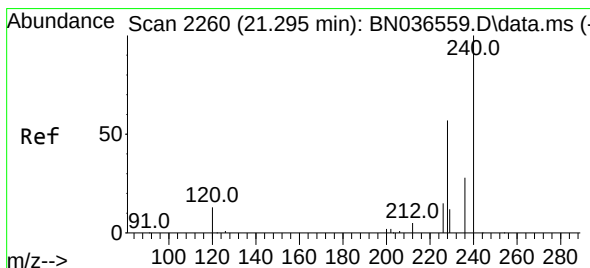
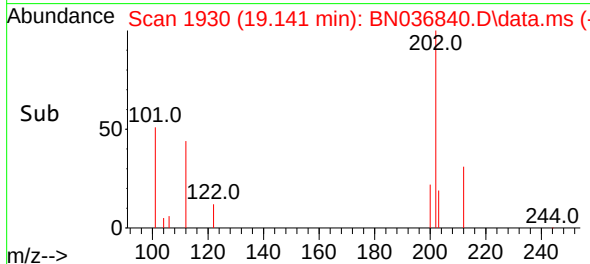
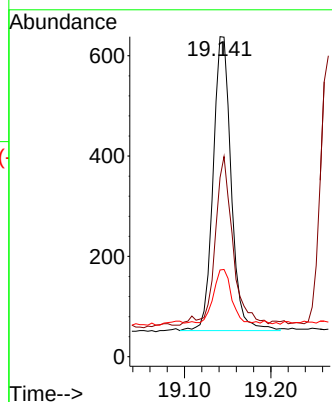
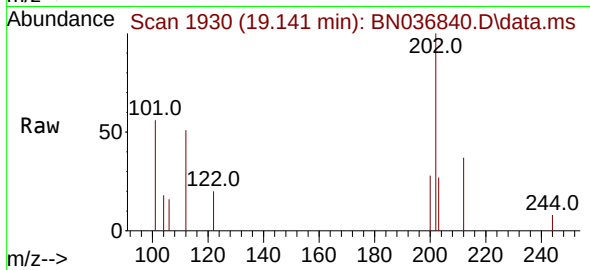




#28
Fluoranthene
Concen: 0.046 ng
RT: 19.141 min Scan# 1930
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

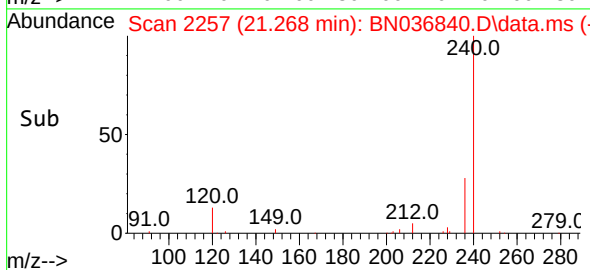
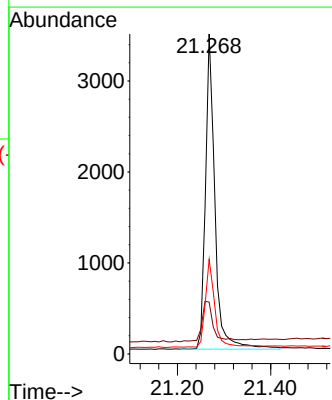
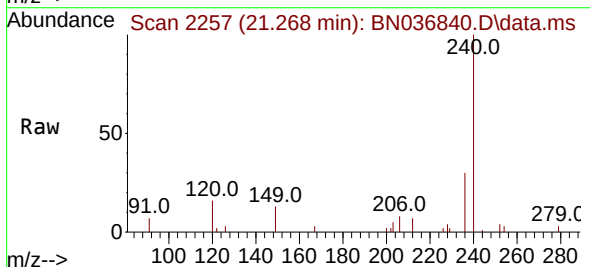
Instrument :
BNA_N
ClientSampleId :
RMW-04B-91-040325

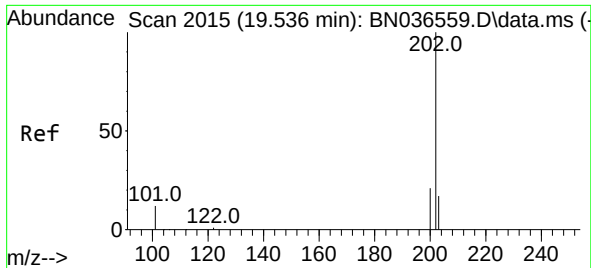
Tgt Ion:202 Resp: 856
Ion Ratio Lower Upper
202 100
101 53.3 9.4 14.0#
203 17.9 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Tgt Ion:240 Resp: 4895
Ion Ratio Lower Upper
240 100
120 16.2 14.6 22.0
236 29.6 24.1 36.1

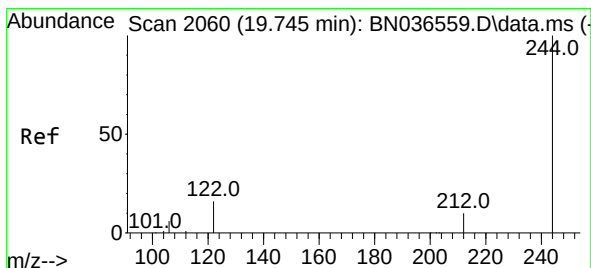
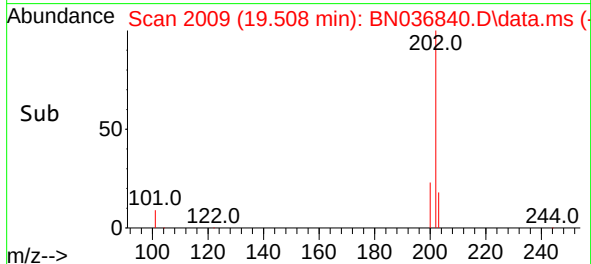
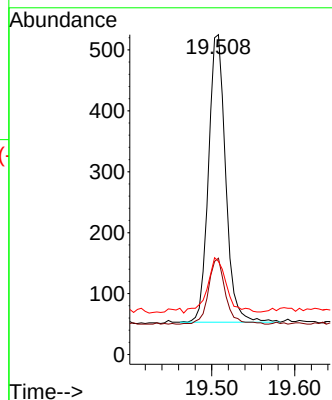
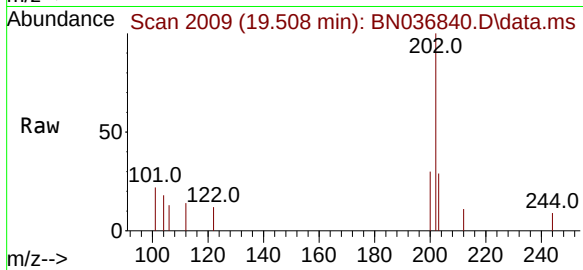




#30
Pyrene
Concen: 0.028 ng
RT: 19.508 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

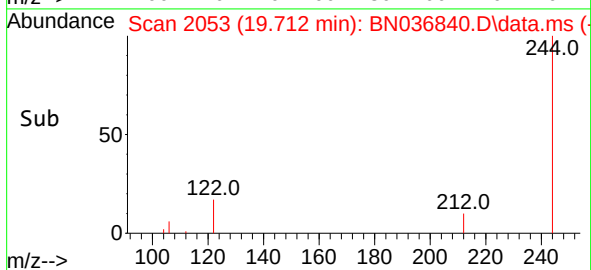
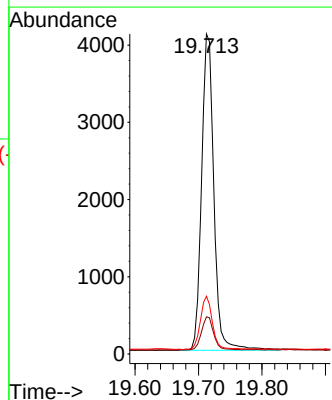
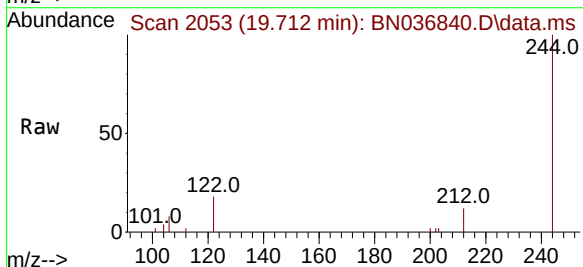
Instrument :
BNA_N
ClientSampleId :
RMW-04B-91-040325

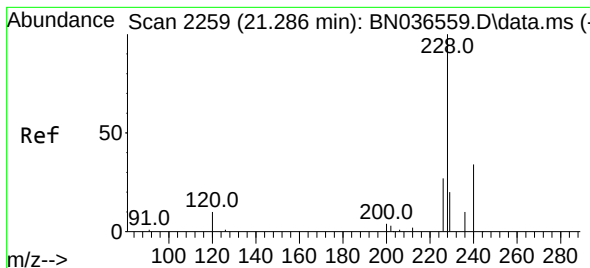
Tgt Ion:202 Resp: 677
Ion Ratio Lower Upper
202 100
200 22.6 17.1 25.7
203 22.0 14.1 21.1#



#31
Terphenyl-d14
Concen: 0.470 ng
RT: 19.712 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BN036840.D
Acq: 04 Apr 2025 17:58

Tgt Ion:244 Resp: 5514
Ion Ratio Lower Upper
244 100
212 11.6 9.6 14.4
122 18.1 13.9 20.9





#32

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.259 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

Instrument :

BNA_N

ClientSampleId :

RMW-04B-91-040325

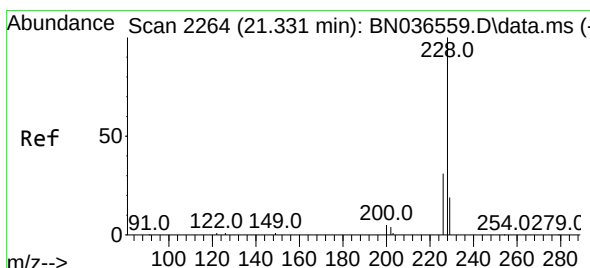
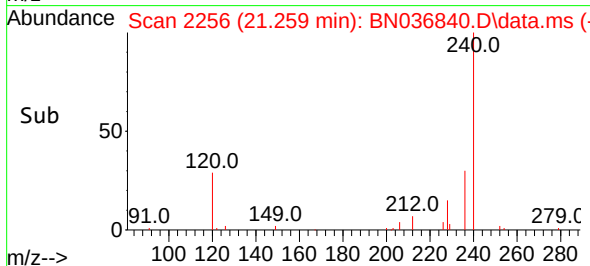
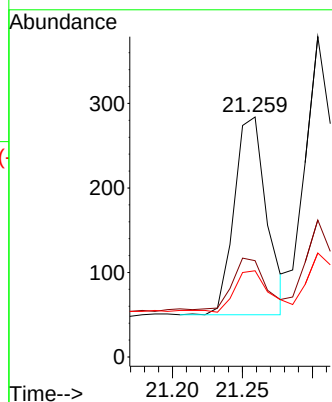
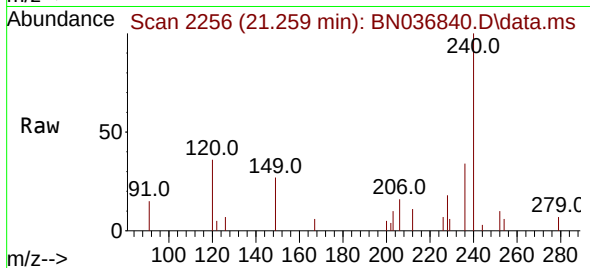
Tgt Ion:228 Resp: 378

Ion Ratio Lower Upper

228 100

226 40.1 22.5 33.7#

229 35.9 16.6 25.0#



#33

Chrysene

Concen: 0.027 ng

RT: 21.304 min Scan# 2261

Delta R.T. -0.000 min

Lab File: BN036840.D

Acq: 04 Apr 2025 17:58

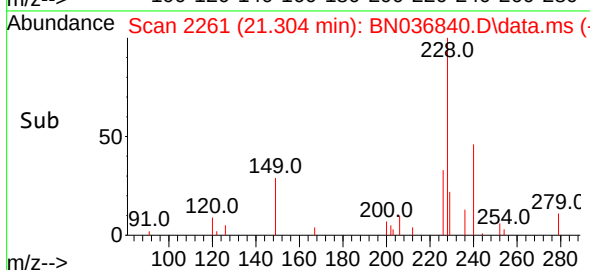
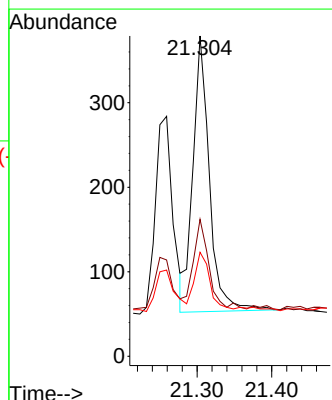
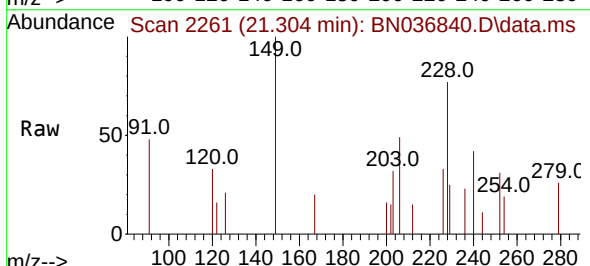
Tgt Ion:228 Resp: 501

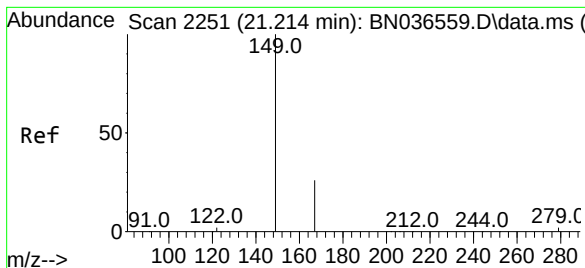
Ion Ratio Lower Upper

228 100

226 42.7 25.3 37.9#

229 32.5 15.8 23.8#

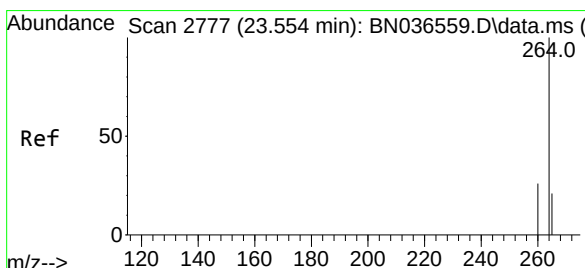
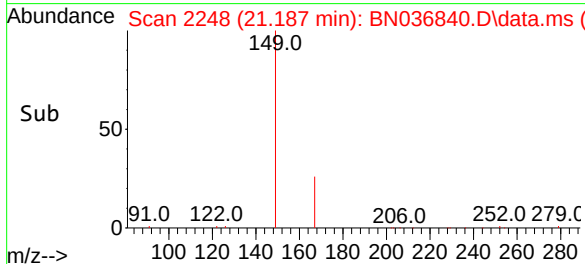
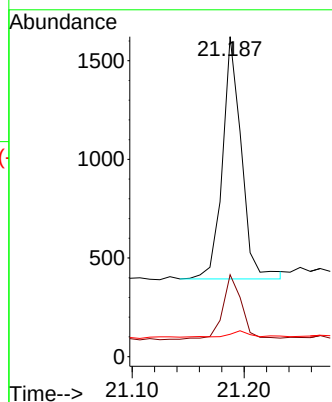
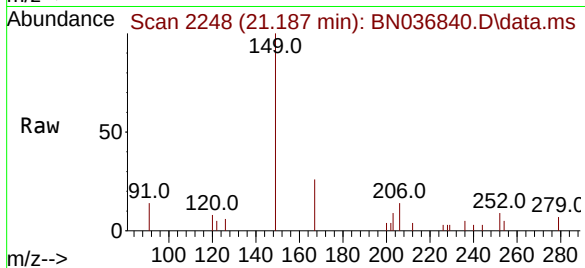




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.119 ng
 RT: 21.187 min Scan# 2119
 Delta R.T. -0.000 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Instrument :
 BNA_N
 ClientSampleId :
 RMW-04B-91-040325

Tgt Ion:149 Resp: 1446
 Ion Ratio Lower Upper
 149 100
 167 26.8 20.7 31.1
 279 3.0 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.508 min Scan# 2761
 Delta R.T. -0.003 min
 Lab File: BN036840.D
 Acq: 04 Apr 2025 17:58

Tgt Ion:264 Resp: 4713
 Ion Ratio Lower Upper
 264 100
 260 27.1 22.6 33.8
 265 77.0 88.1 132.1#

