

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012925\
 Data File : BN036121.D
 Acq On : 29 Jan 2025 23:31
 Operator : RC/JU
 Sample : Q1173-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-192-GW-140-142

Quant Time: Jan 30 00:37:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 00:34:56 2025
 Response via : Initial Calibration

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

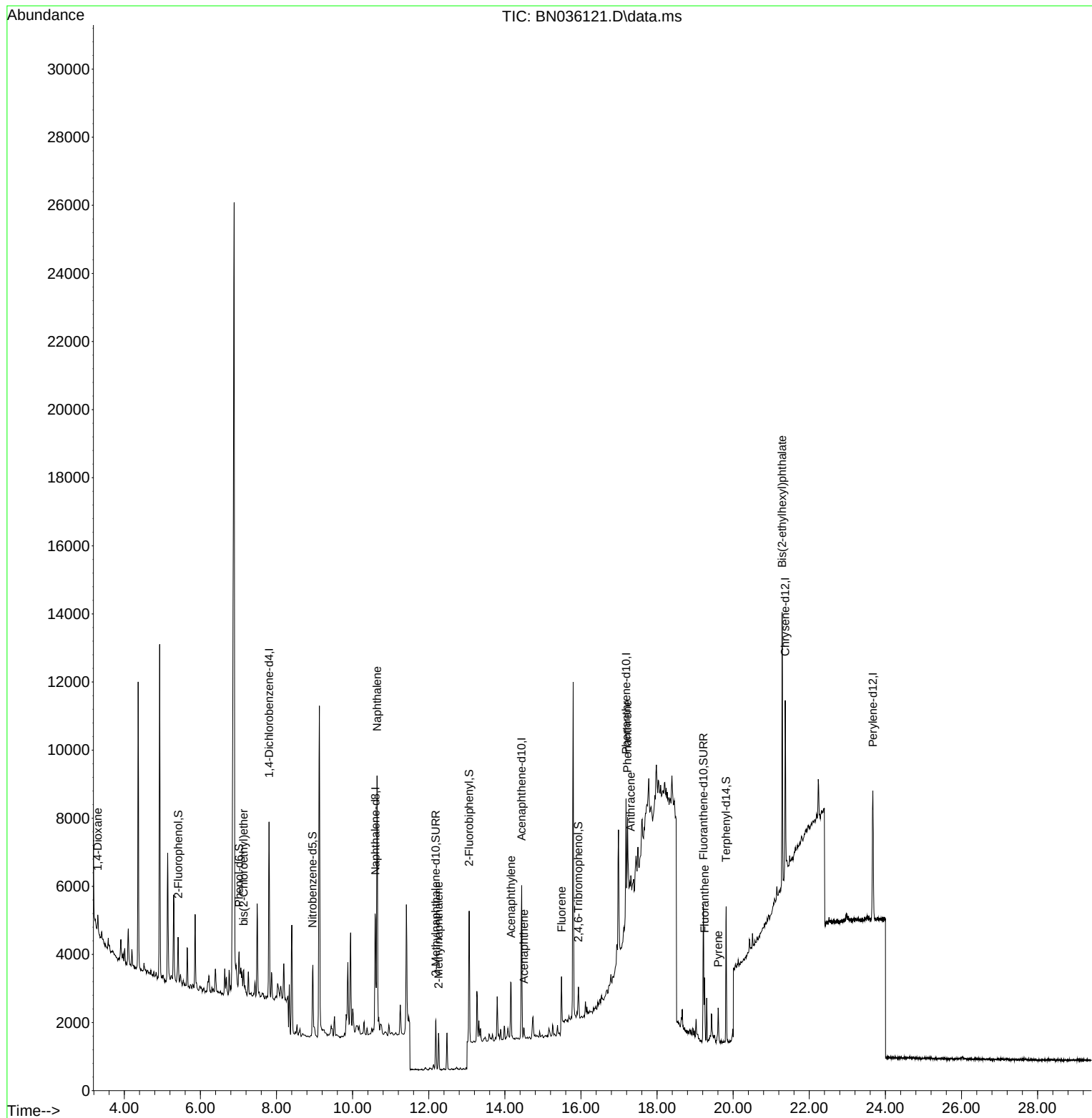
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.803	152	2194	0.400	ng	-0.01
7) Naphthalene-d8	10.600	136	4945	0.400	ng	-0.01
13) Acenaphthene-d10	14.441	164	2527	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	4819	0.400	ng	0.00
29) Chrysene-d12	21.367	240	4376	0.400	ng	0.00
35) Perylene-d12	23.672	264	4969	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.419	112	898	0.157	ng	0.03
5) Phenol-d6	7.015	99	842	0.126	ng	0.04
8) Nitrobenzene-d5	8.945	82	1435	0.307	ng	-0.01
11) 2-Methylnaphthalene-d10	12.182	152	1981	0.295	ng	-0.02
14) 2,4,6-Tribromophenol	15.932	330	422	0.260	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	3099	0.275	ng	0.00
27) Fluoranthene-d10	19.216	212	4582	0.367	ng	0.00
31) Terphenyl-d14	19.815	244	3716	0.409	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.303	88	272	0.111	ng	# 70
6) bis(2-Chloroethyl)ether	7.131	93	1003	0.186	ng	# 24
9) Naphthalene	10.643	128	9277	0.646	ng	98
12) 2-Methylnaphthalene	12.258	142	711	0.080	ng	94
16) Acenaphthylene	14.163	152	1967	0.164	ng	# 94
17) Acenaphthene	14.506	154	192	0.023	ng	92
18) Fluorene	15.489	166	1087	0.106	ng	96
25) Phenanthrene	17.223	178	3019	0.208	ng	# 82
26) Anthracene	17.310	178	288	0.022	ng	# 36
28) Fluoranthene	19.248	202	1509	0.089	ng	# 94
30) Pyrene	19.611	202	797	0.045	ng	97
34) Bis(2-ethylhexyl)phtha...	21.286	149	7030	0.808	ng	99

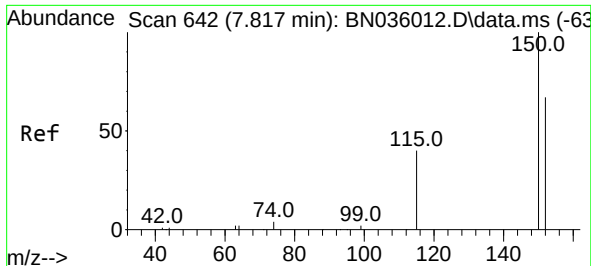
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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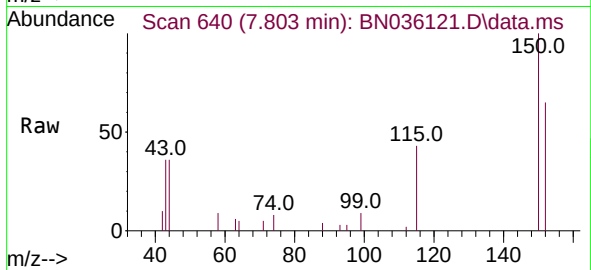
Quant Time: Jan 30 00:37:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012225.M
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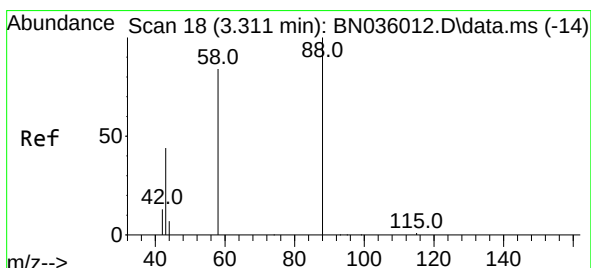
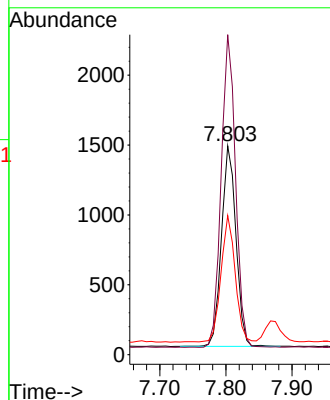
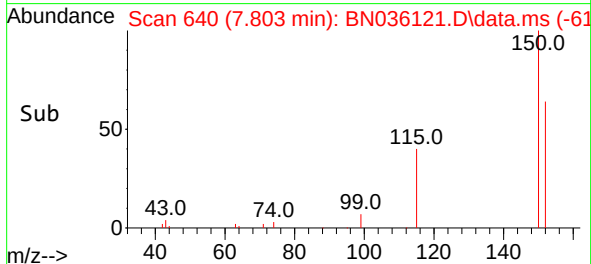


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.803 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-192-GW-140-142

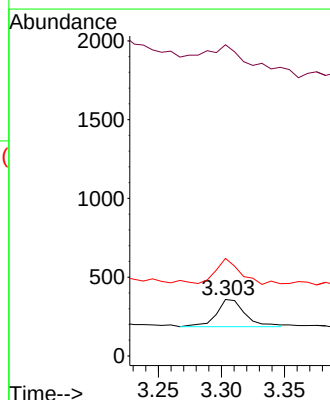
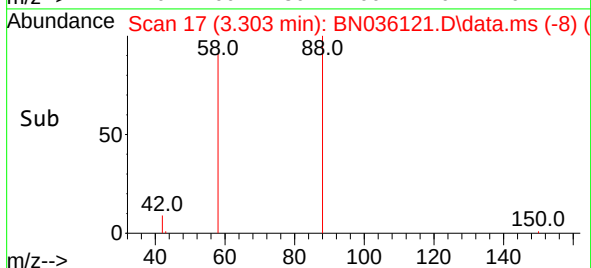
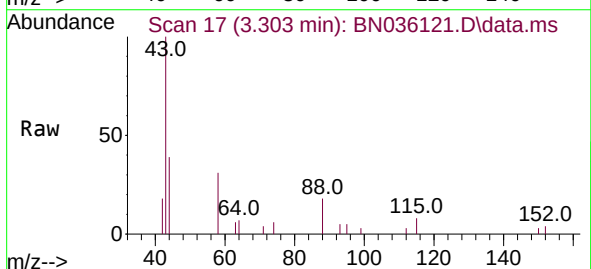


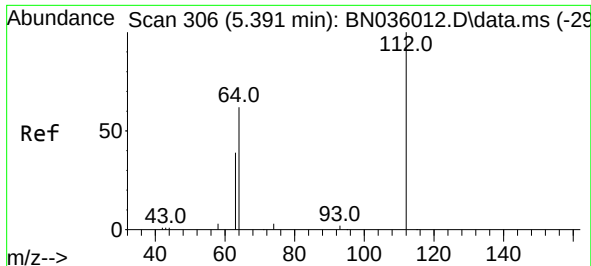
Tgt Ion:152 Resp: 2194
 Ion Ratio Lower Upper
 152 100
 150 153.3 117.4 176.2
 115 66.6 51.0 76.4



#2
 1,4-Dioxane
 Concen: 0.111 ng
 RT: 3.303 min Scan# 17
 Delta R.T. -0.007 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

Tgt Ion: 88 Resp: 272
 Ion Ratio Lower Upper
 88 100
 43 93.0 38.5 57.7#
 58 75.0 66.6 99.8

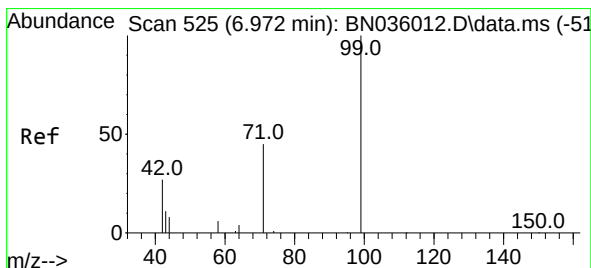
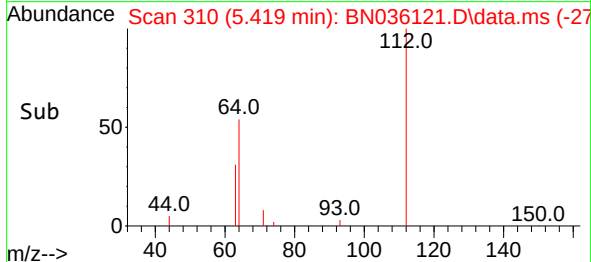
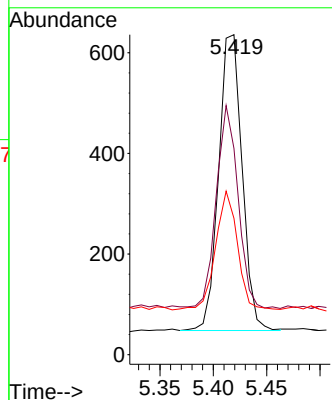
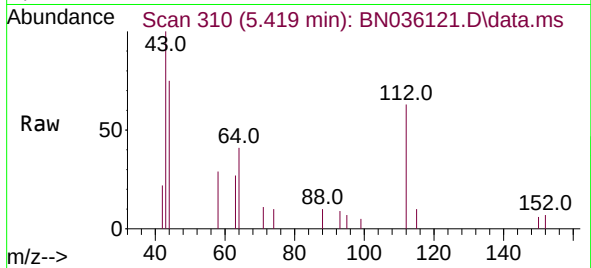




#4
2-Fluorophenol
Concen: 0.157 ng
RT: 5.419 min Scan# 310
Delta R.T. 0.029 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

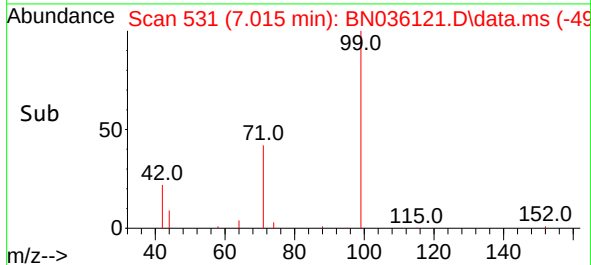
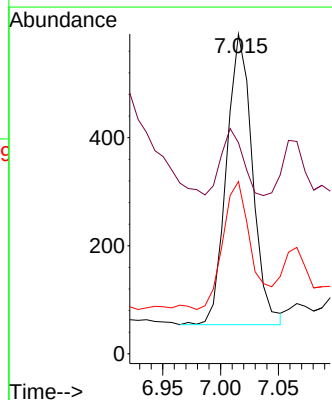
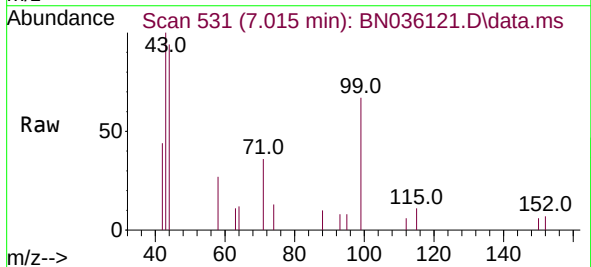
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

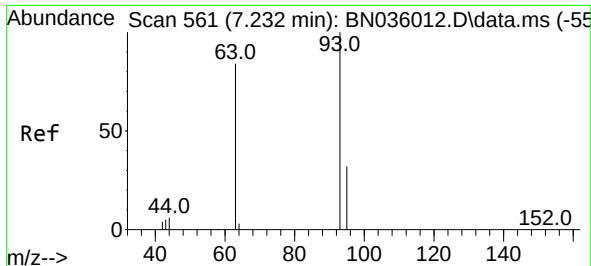
Tgt Ion:112 Resp: 898
Ion Ratio Lower Upper
112 100
64 63.4 50.0 75.0
63 37.5 30.7 46.1



#5
Phenol-d6
Concen: 0.126 ng
RT: 7.015 min Scan# 531
Delta R.T. 0.043 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion: 99 Resp: 842
Ion Ratio Lower Upper
99 100
42 0.0 26.8 40.2#
71 52.3 36.6 55.0

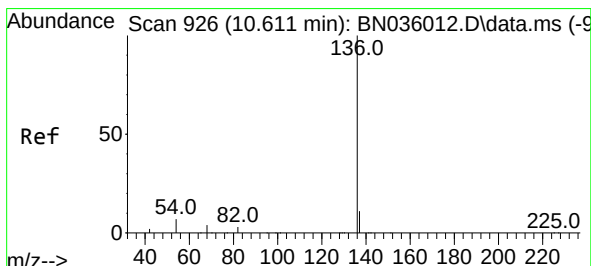
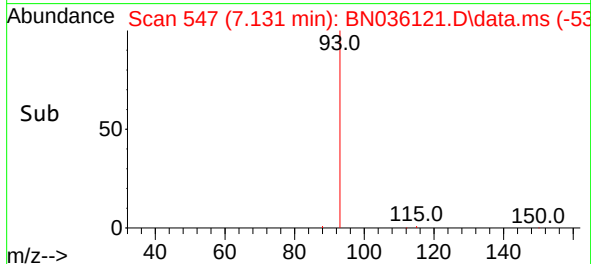
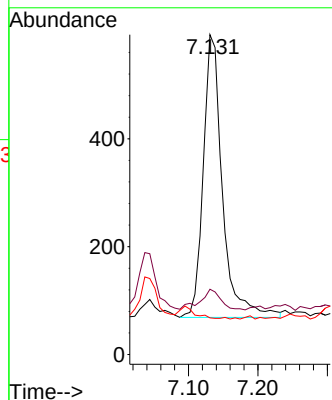
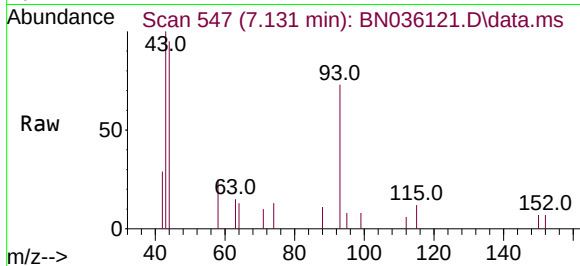




#6
bis(2-Chloroethyl)ether
Concen: 0.186 ng
RT: 7.131 min Scan# 54
Delta R.T. -0.101 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

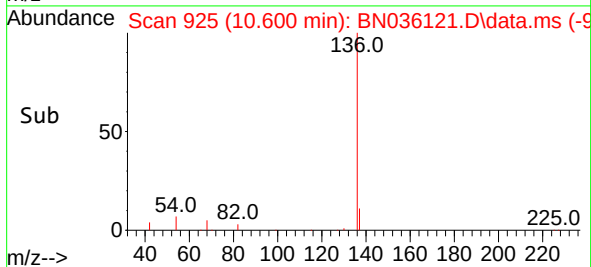
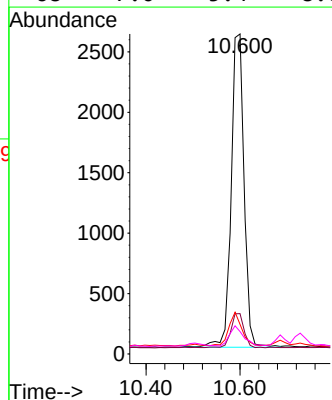
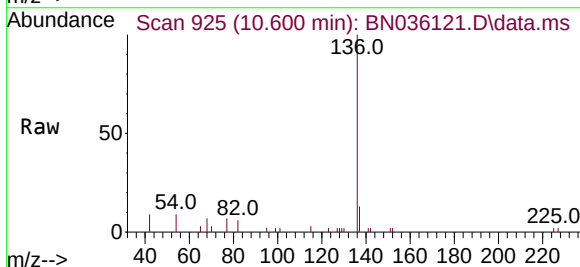
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

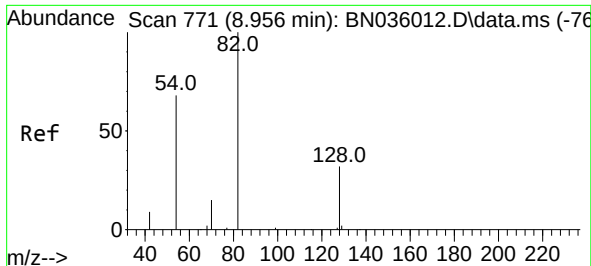
Tgt Ion: 93 Resp: 1003
Ion Ratio Lower Upper
93 100
63 7.7 65.8 98.6#
95 0.0 25.8 38.6#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.600 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion: 136 Resp: 4945
Ion Ratio Lower Upper
136 100
137 12.6 10.4 15.6
54 9.3 7.7 11.5
68 7.0 5.4 8.0

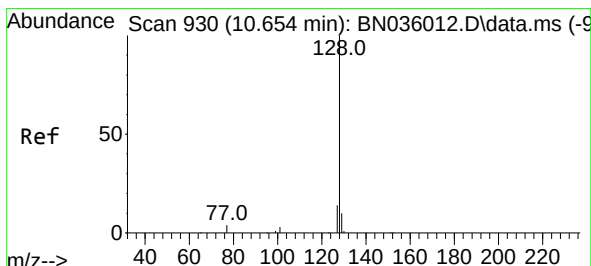
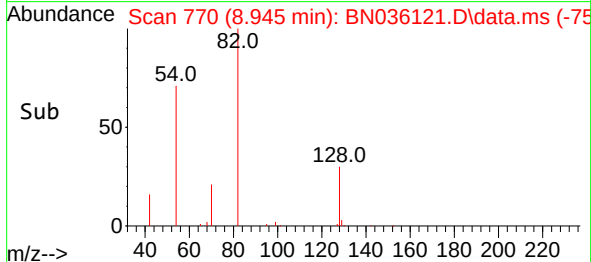
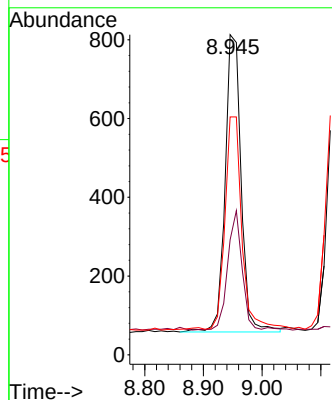
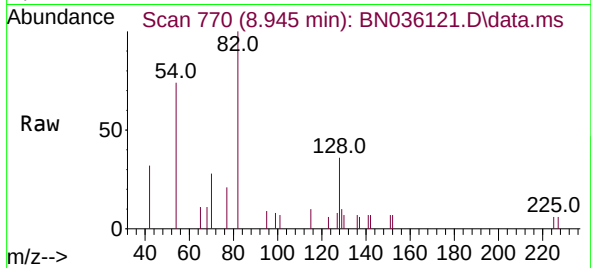




#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 8.945 min Scan# 711
Delta R.T. -0.011 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

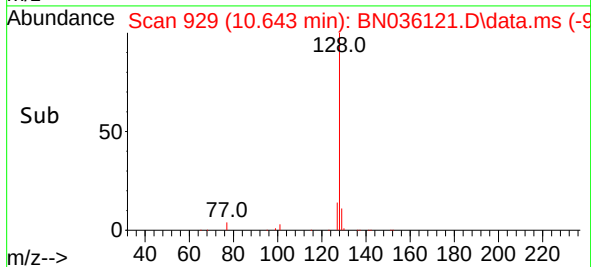
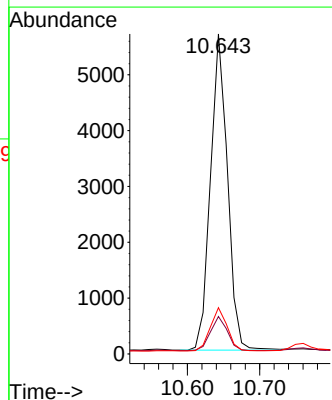
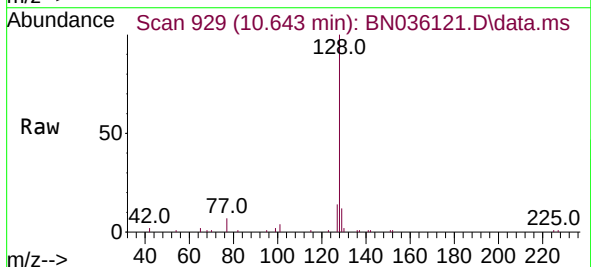
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

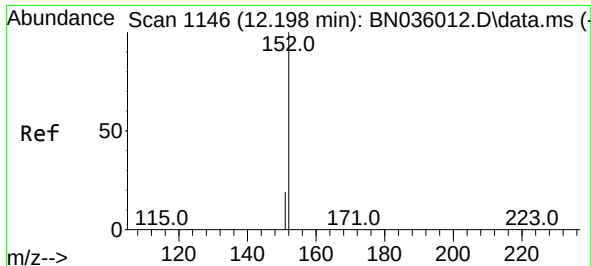
Tgt Ion: 82 Resp: 1435
Ion Ratio Lower Upper
82 100
128 35.9 28.8 43.2
54 74.3 55.8 83.8



#9
Naphthalene
Concen: 0.646 ng
RT: 10.643 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion: 128 Resp: 9277
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 14.5 12.6 19.0

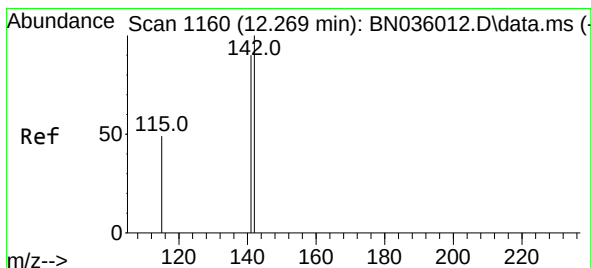
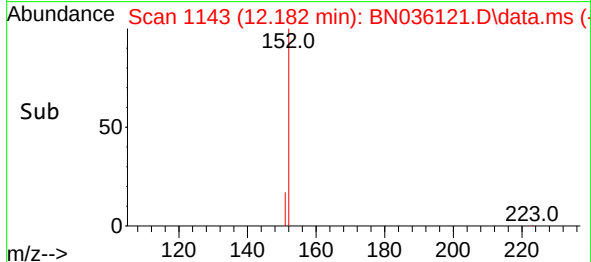
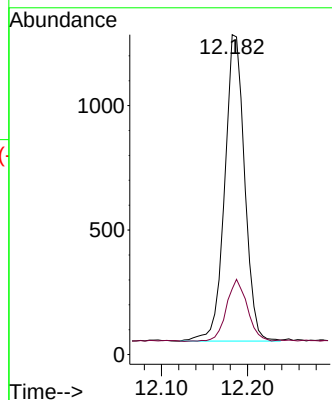
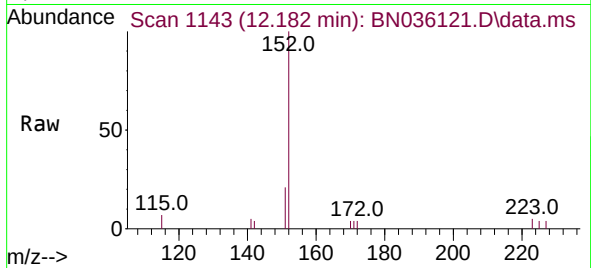




#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.182 min Scan# 1143
Delta R.T. -0.015 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

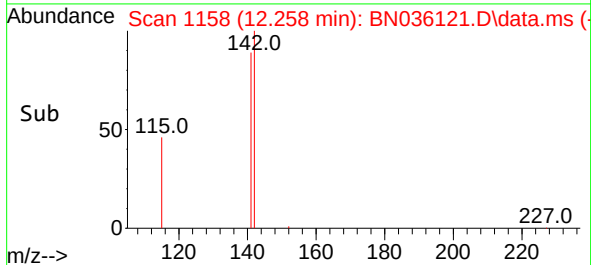
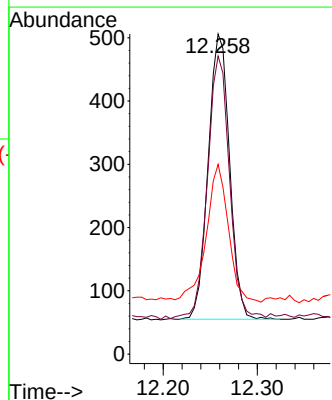
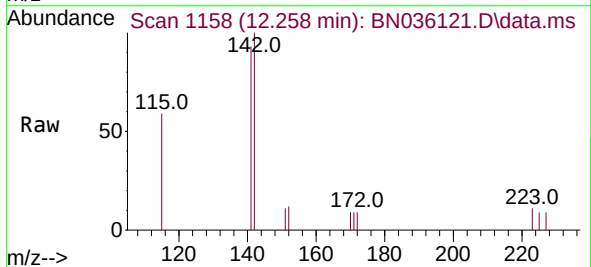
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

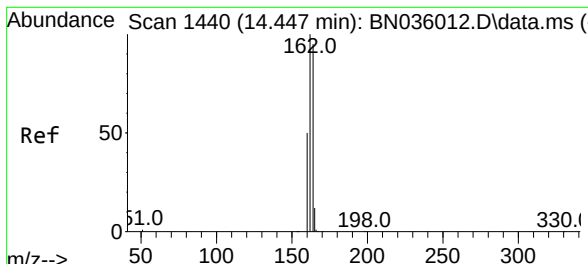
Tgt Ion:152 Resp: 1981
Ion Ratio Lower Upper
152 100
151 21.3 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.080 ng
RT: 12.258 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion:142 Resp: 711
Ion Ratio Lower Upper
142 100
141 93.1 72.2 108.2
115 59.3 41.2 61.8

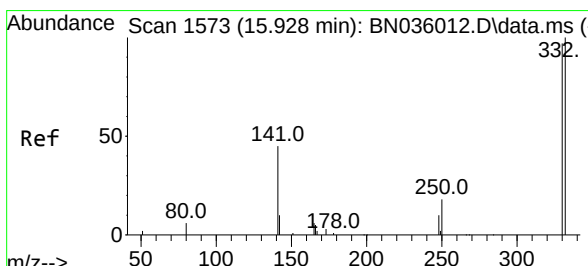
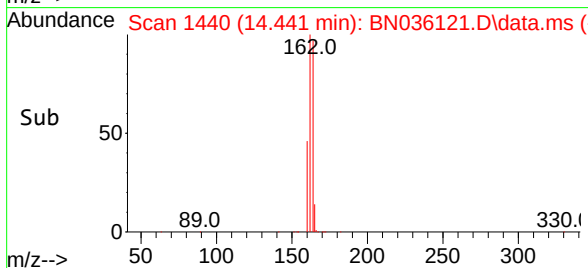
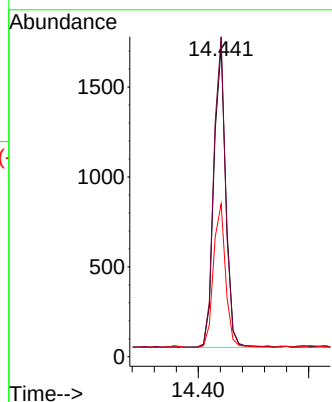
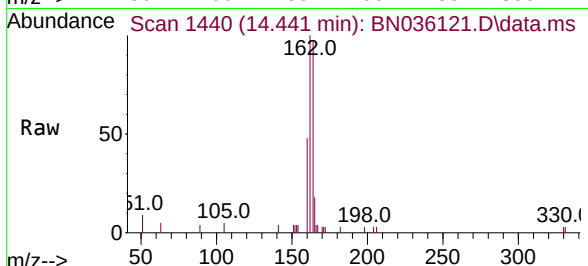




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.441 min Scan# 1440
 Delta R.T. -0.006 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

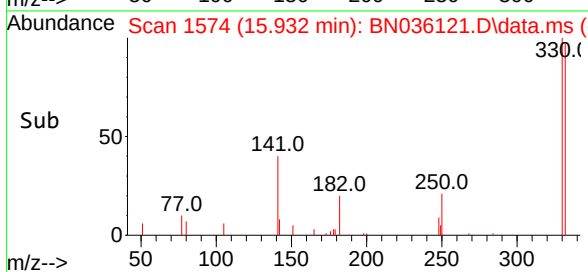
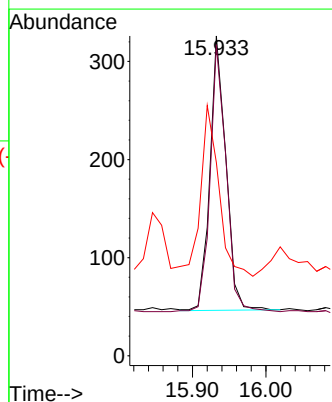
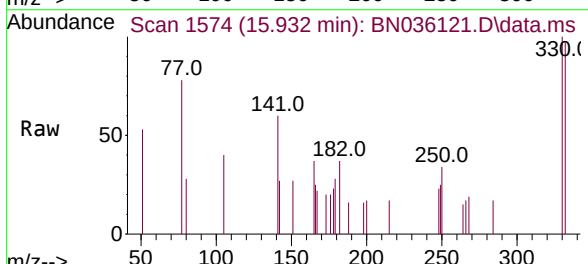
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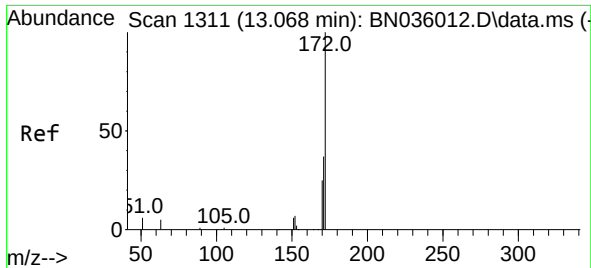
Tgt Ion:	164	Resp:	2527
Ion	Ratio	Lower	Upper
164	100		
162	103.1	84.1	126.1
160	49.2	43.8	65.8



#14
 2,4,6-Tribromophenol
 Concen: 0.260 ng
 RT: 15.932 min Scan# 1574
 Delta R.T. 0.005 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

Tgt Ion:	330	Resp:	422
Ion	Ratio	Lower	Upper
330	100		
332	97.2	81.0	121.4
141	70.1	36.7	55.1

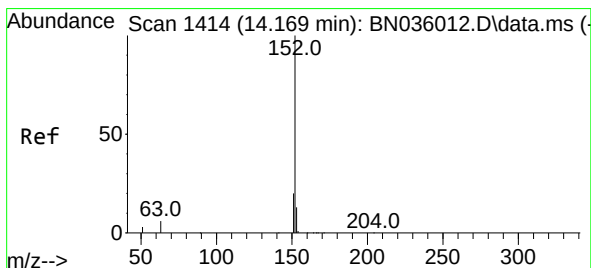
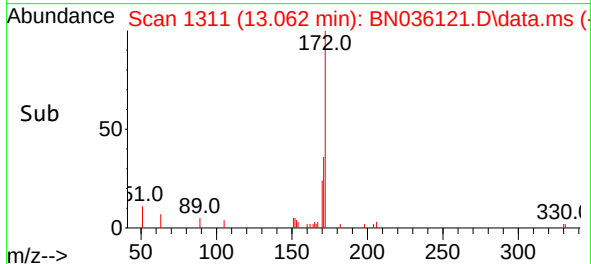
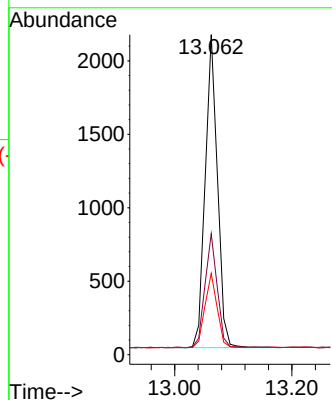
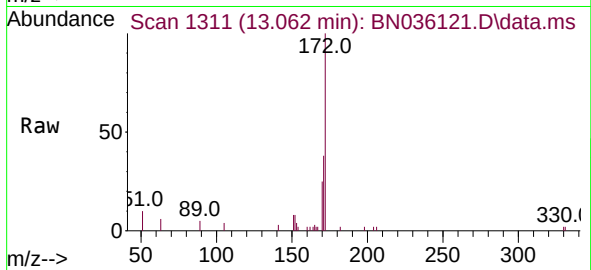




#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 13.062 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

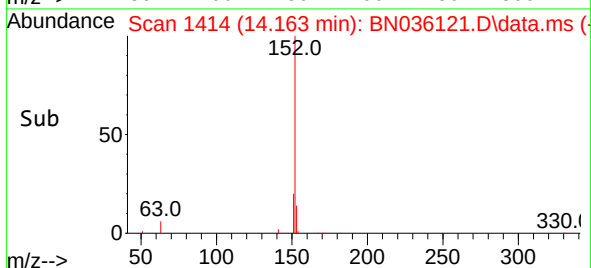
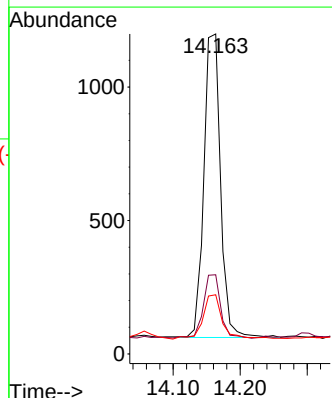
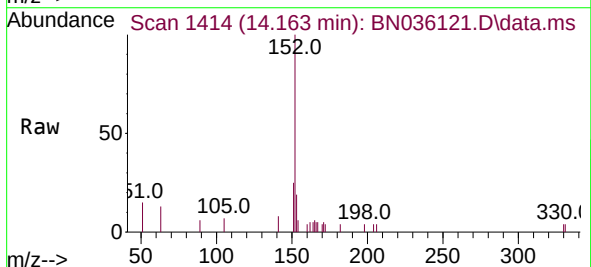
Instrument :
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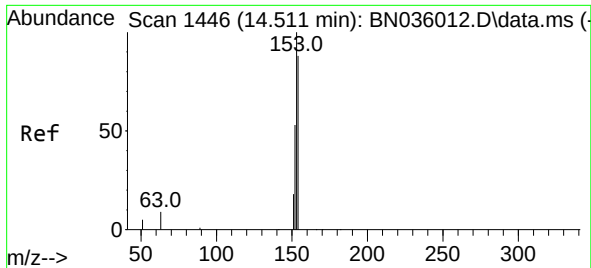
Tgt Ion:	172	Resp:	3099
Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.9	46.3
170	25.4	21.2	31.8



#16
Acenaphthylene
Concen: 0.164 ng
RT: 14.163 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion:	152	Resp:	1967
Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.2	24.2
153	17.3	10.4	15.6

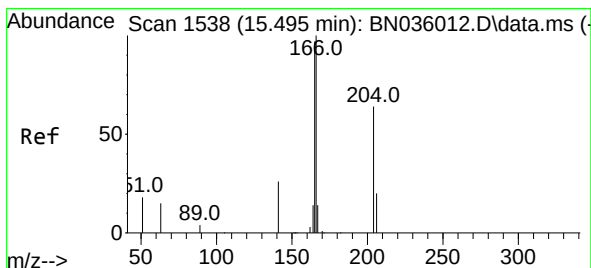
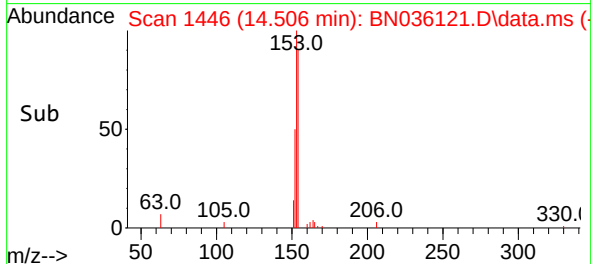
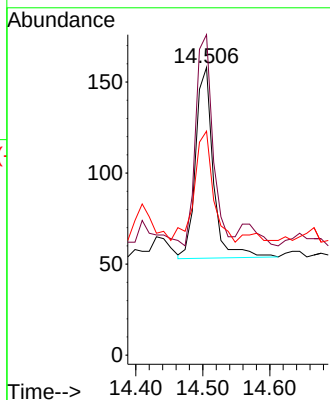
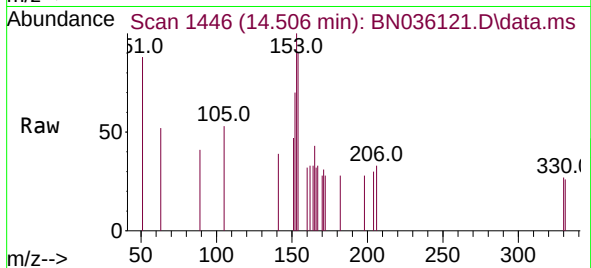




#17
Acenaphthene
Concen: 0.023 ng
RT: 14.506 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

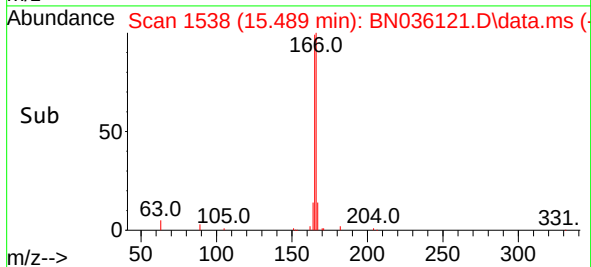
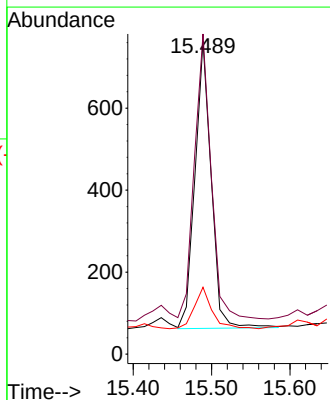
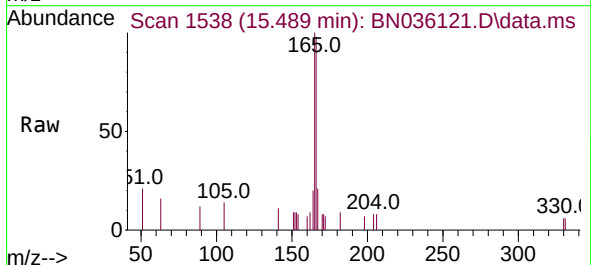
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

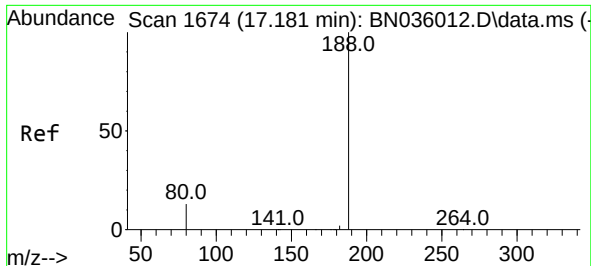
Tgt Ion	154	153	152
Resp:	192		
Ratio	100	101.6	64.1
Lower		88.9	48.1
Upper		133.3	72.1



#18
Fluorene
Concen: 0.106 ng
RT: 15.489 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion	166	165	167
Resp:	1087		
Ratio	100	102.3	15.4
Lower		78.5	10.7
Upper		117.7	16.1

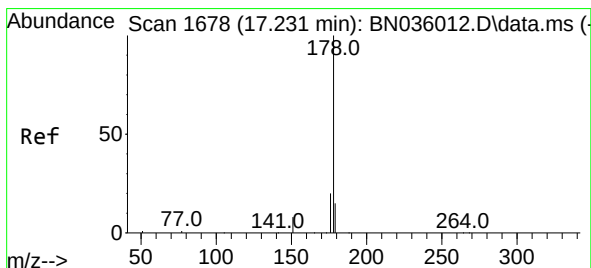
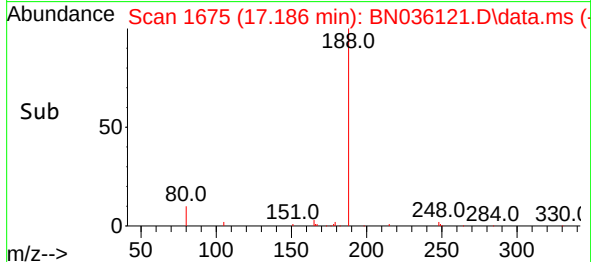
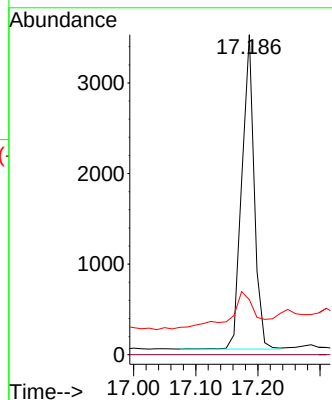
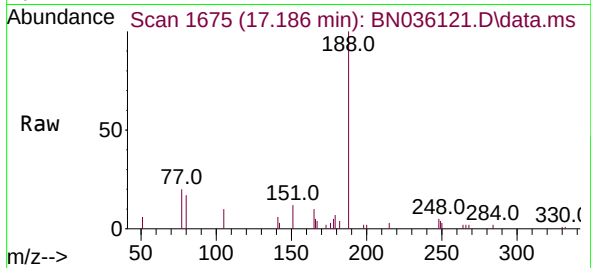




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1675
Delta R.T. 0.005 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

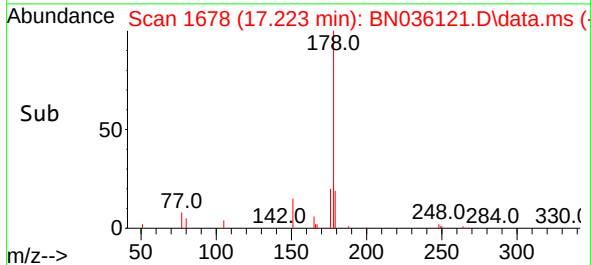
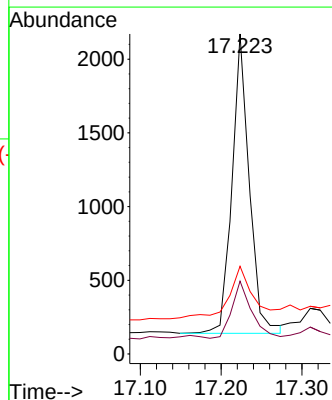
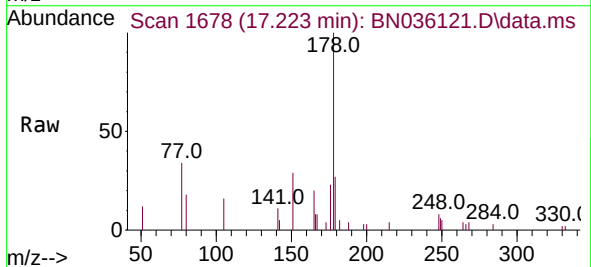
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

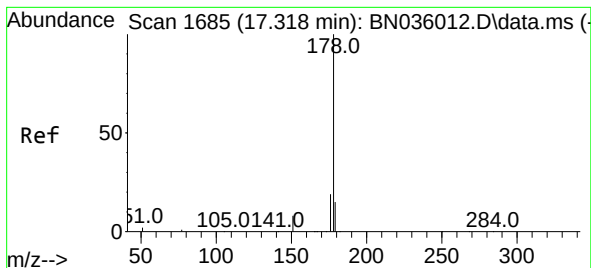
Tgt Ion:188 Resp: 4819
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.2 12.3 18.5



#25
Phenanthrene
Concen: 0.208 ng
RT: 17.223 min Scan# 1678
Delta R.T. -0.007 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion:178 Resp: 3019
Ion Ratio Lower Upper
178 100
176 21.9 16.0 24.0
179 30.3 12.4 18.6#





#26

Anthracene

Concen: 0.022 ng

RT: 17.310 min Scan# 1

Delta R.T. -0.007 min

Lab File: BN036121.D

Acq: 29 Jan 2025 23:31

Instrument :

BNA_N

ClientSampleId :

BP-VPB-192-GW-140-142

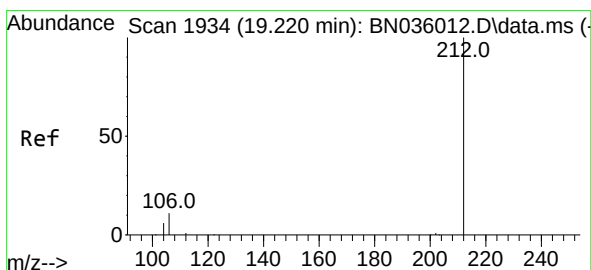
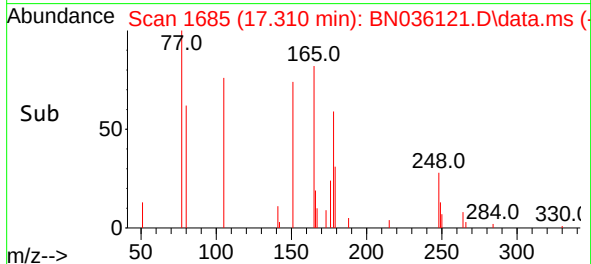
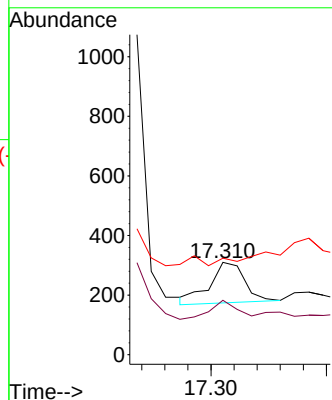
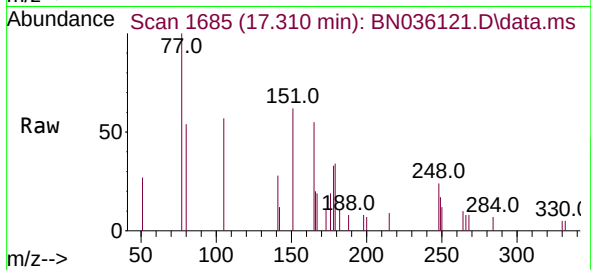
Tgt Ion:178 Resp: 288

Ion Ratio Lower Upper

178 100

176 58.3 15.4 23.2#

179 0.0 12.0 18.0#



#27

Fluoranthene-d10

Concen: 0.367 ng

RT: 19.216 min Scan# 1933

Delta R.T. -0.004 min

Lab File: BN036121.D

Acq: 29 Jan 2025 23:31

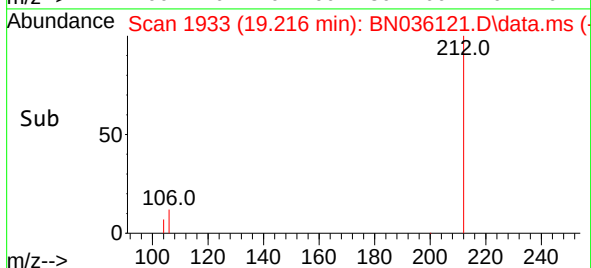
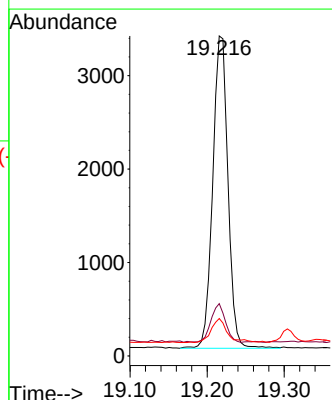
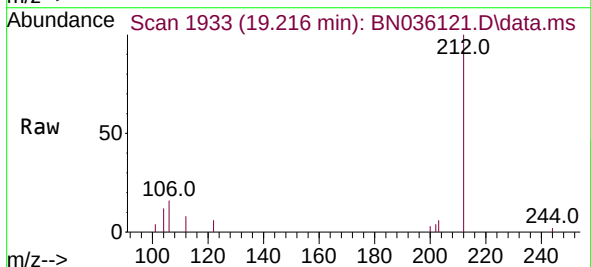
Tgt Ion:212 Resp: 4582

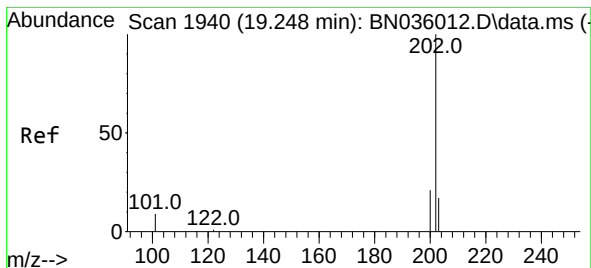
Ion Ratio Lower Upper

212 100

106 11.8 9.7 14.5

104 8.1 6.0 9.0





#28

Fluoranthene

Concen: 0.089 ng

RT: 19.248 min Scan# 1940

Delta R.T. 0.000 min

Lab File: BN036121.D

Acq: 29 Jan 2025 23:31

Instrument :

BNA_N

ClientSampleId :

BP-VPB-192-GW-140-142

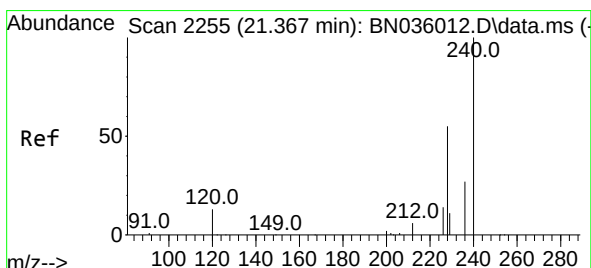
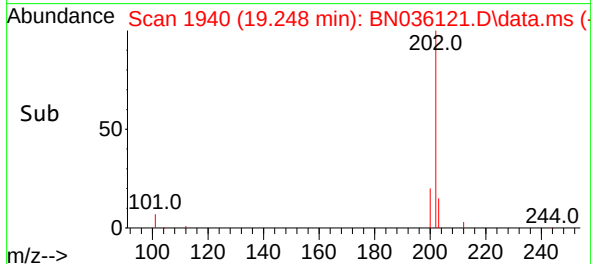
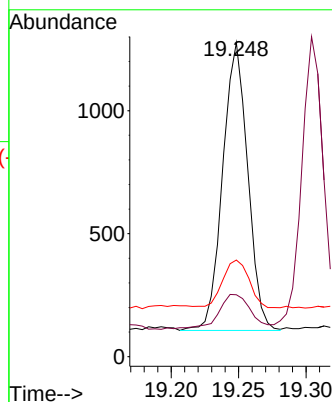
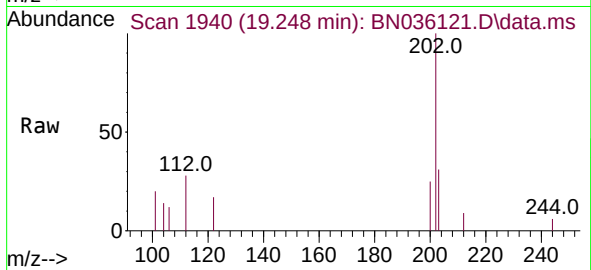
Tgt Ion:202 Resp: 1509

Ion Ratio Lower Upper

202 100

101 15.7 7.6 11.4#

203 17.5 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.367 min Scan# 2255

Delta R.T. 0.000 min

Lab File: BN036121.D

Acq: 29 Jan 2025 23:31

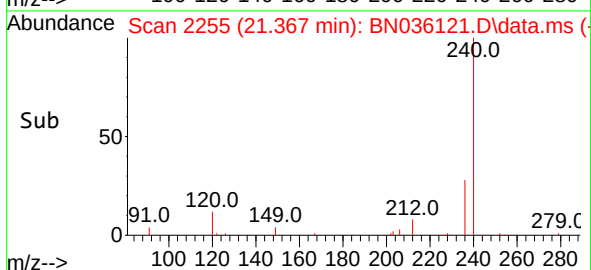
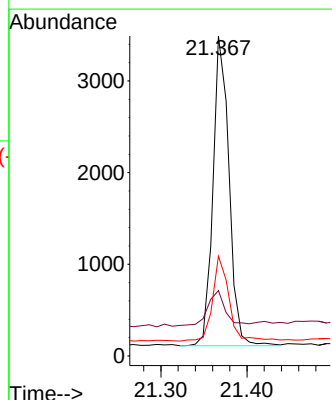
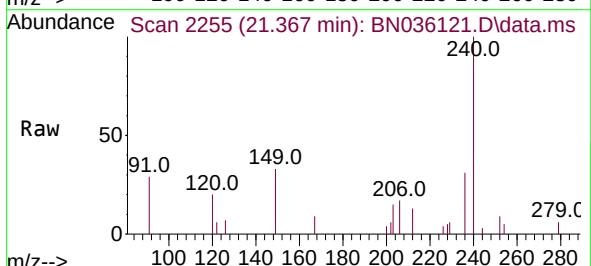
Tgt Ion:240 Resp: 4376

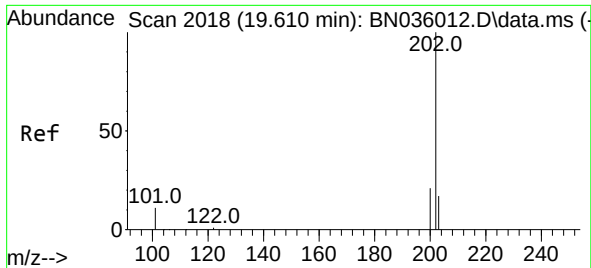
Ion Ratio Lower Upper

240 100

120 20.4 13.9 20.9

236 31.2 23.7 35.5

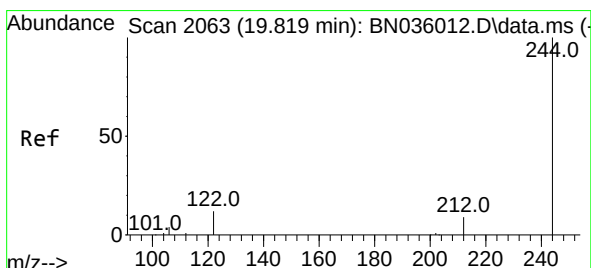
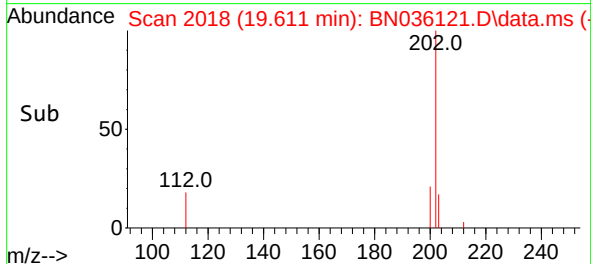
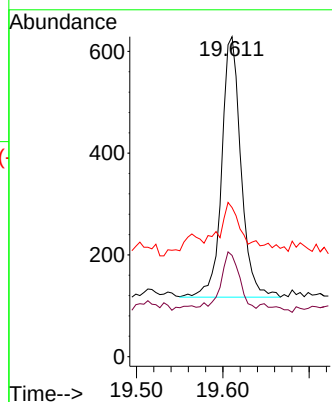
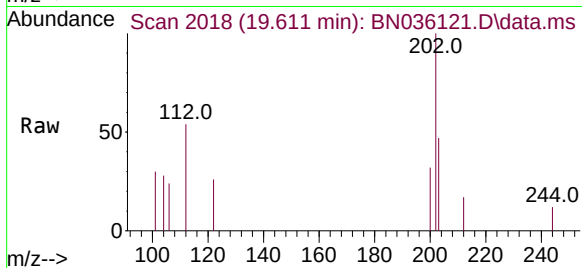




#30
Pyrene
Concen: 0.045 ng
RT: 19.611 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

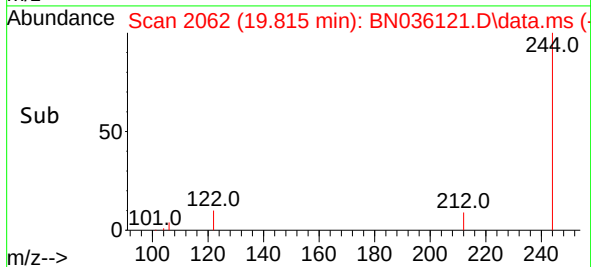
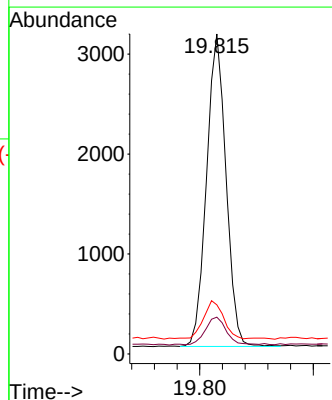
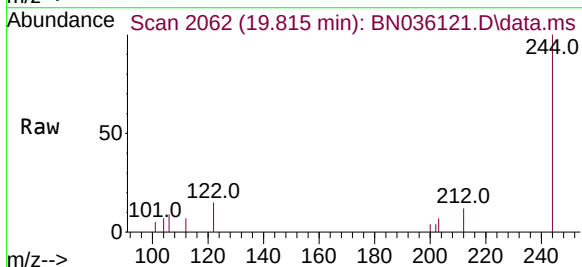
Instrument :
BNA_N
ClientSampleId :
BP-VPB-192-GW-140-142

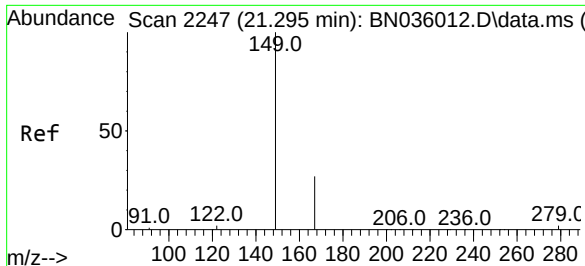
Tgt Ion:	202	Resp:	797
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	15.8	14.4	21.6



#31
Terphenyl-d14
Concen: 0.409 ng
RT: 19.815 min Scan# 2062
Delta R.T. -0.004 min
Lab File: BN036121.D
Acq: 29 Jan 2025 23:31

Tgt Ion:	244	Resp:	3716
Ion	Ratio	Lower	Upper
244	100		
212	11.5	9.1	13.7
122	15.3	11.3	16.9

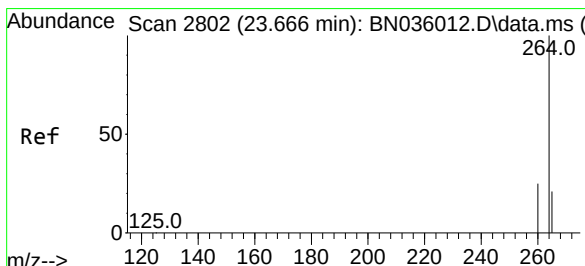
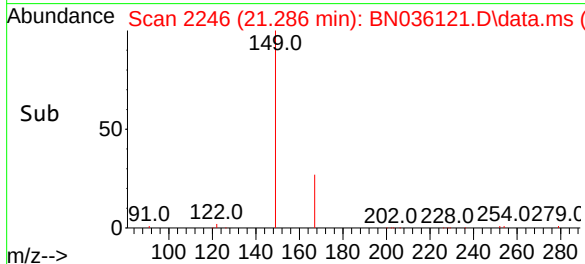
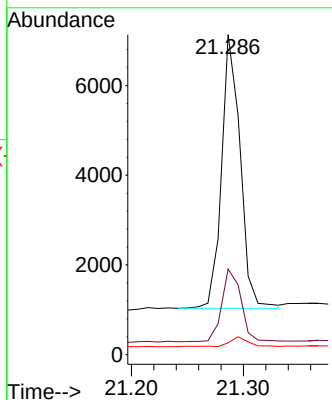
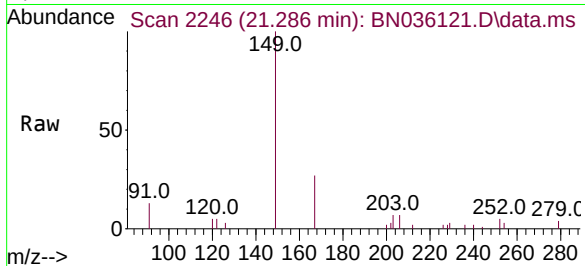




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.808 ng
 RT: 21.286 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-192-GW-140-142

Tgt Ion:	149	Resp:	7030
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.9	32.9
279	3.9	3.0	4.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.672 min Scan# 2804
 Delta R.T. 0.006 min
 Lab File: BN036121.D
 Acq: 29 Jan 2025 23:31

Tgt Ion:	264	Resp:	4969
Ion Ratio	Lower	Upper	
264	100		
260	25.7	21.8	32.6
265	124.2	56.6	84.8#

