

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
 Data File : BN032569.D
 Acq On : 09 Jul 2024 03:04
 Operator : MA/JU
 Sample : P3143-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-718-720

Quant Time: Jul 09 04:21:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 02:39:48 2024
 Response via : Initial Calibration

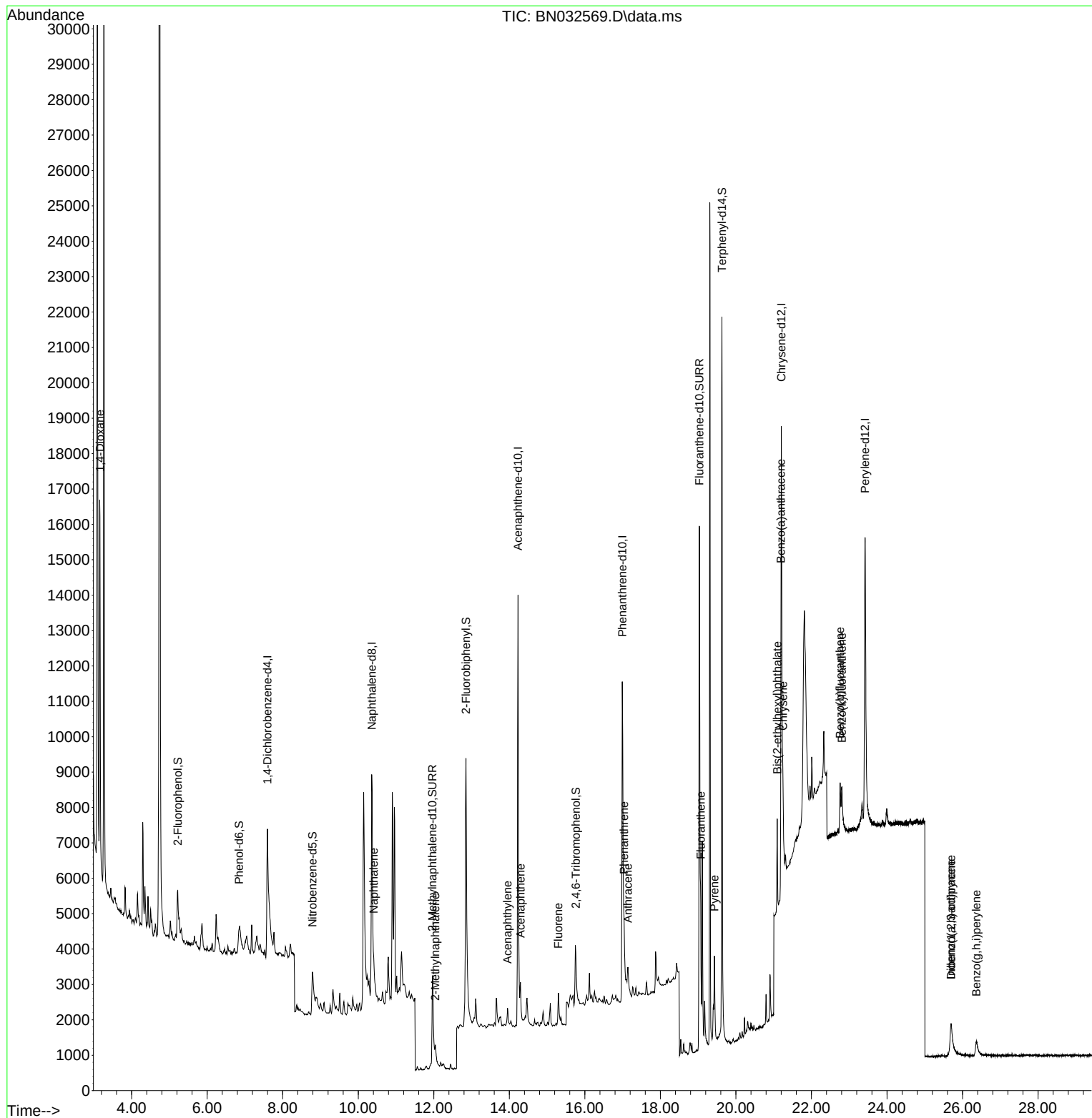
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	3655	0.400	ng	0.00
7) Naphthalene-d8	10.357	136	12498	0.400	ng	#-0.02
13) Acenaphthene-d10	14.231	164	8309	0.400	ng	0.00
19) Phenanthrene-d10	16.991	188	18092	0.400	ng	#-0.01
29) Chrysene-d12	21.202	240	16212	0.400	ng	0.00
35) Perylene-d12	23.420	264	14982	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.219	112	2477	0.268	ng	0.00
5) Phenol-d6	6.844	99	1980	0.168	ng	0.02
8) Nitrobenzene-d5	8.787	82	2655	0.285	ng	-0.01
11) 2-Methylnaphthalene-d10	11.967	152	6808	0.345	ng	-0.02
14) 2,4,6-Tribromophenol	15.762	330	1483	0.394	ng	0.00
15) 2-Fluorobiphenyl	12.852	172	10564	0.345	ng	-0.01
27) Fluoranthene-d10	19.035	212	21150	0.449	ng	0.00
31) Terphenyl-d14	19.630	244	17445	0.441	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.161	88	7345	1.526	ng	# 96
9) Naphthalene	10.410	128	840	0.025	ng	# 63
12) 2-Methylnaphthalene	12.043	142	509	0.022	ng	# 75
16) Acenaphthylene	13.953	152	792	0.022	ng	95
17) Acenaphthene	14.296	154	511	0.021	ng	97
18) Fluorene	15.300	166	795	0.024	ng	93
25) Phenanthrene	17.041	178	1850	0.038	ng	# 95
26) Anthracene	17.140	178	1162	0.029	ng	99
28) Fluoranthene	19.068	202	2773	0.047	ng	# 74
30) Pyrene	19.430	202	2632	0.040	ng	99
32) Benzo(a)anthracene	21.193	228	2140	0.040	ng	# 87
33) Chrysene	21.247	228	2834	0.045	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.094	149	2577	0.071	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.697	276	1730	0.030	ng	# 69
37) Benzo(b)fluoranthene	22.759	252	1991	0.040	ng	# 4
38) Benzo(k)fluoranthene	22.806	252	2454	0.043	ng	# 6
40) Dibenzo(a,h)anthracene	25.697	278	1362	0.030	ng	# 1
41) Benzo(g,h,i)perylene	26.370	276	1242	0.025	ng	# 34

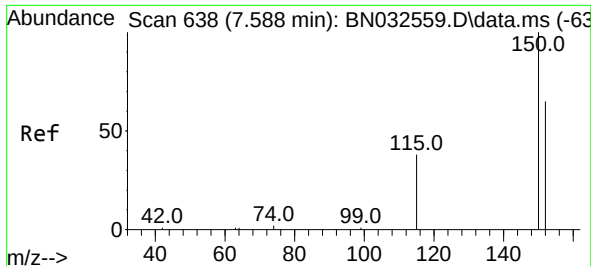
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070924\
Data File : BN032569.D
Acq On : 09 Jul 2024 03:04
Operator : MA/JU
Sample : P3143-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

Quant Time: Jul 09 04:21:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 02:39:48 2024
Response via : Initial Calibration

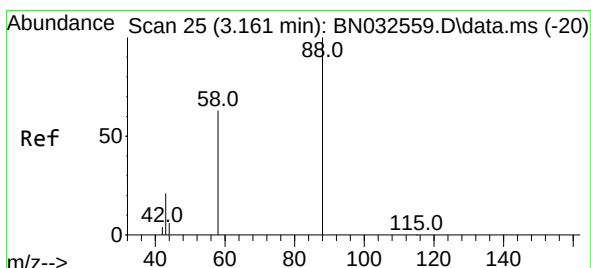
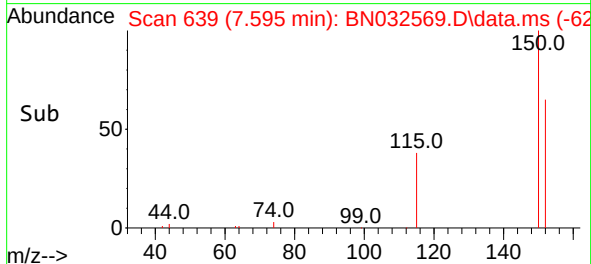
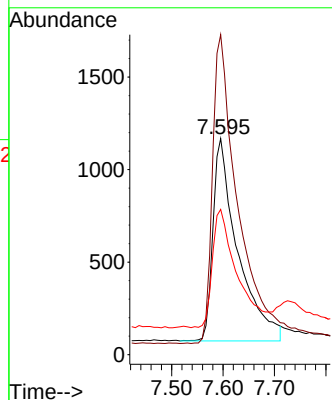
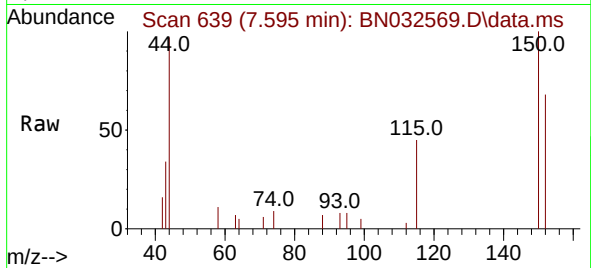




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.595 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

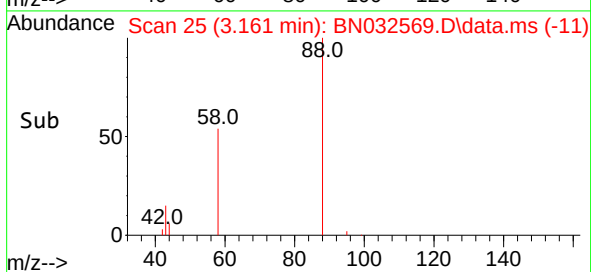
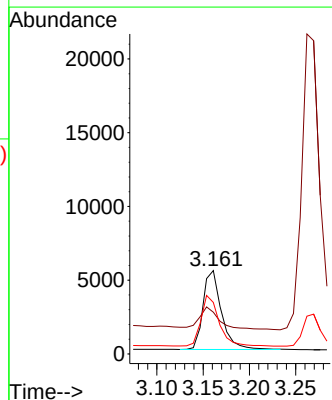
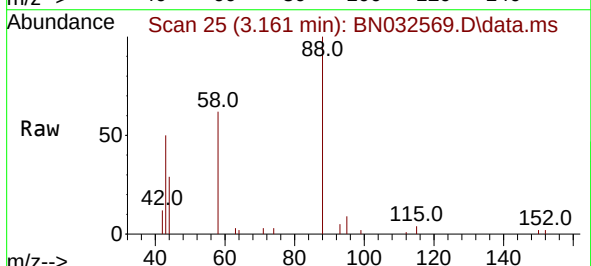
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

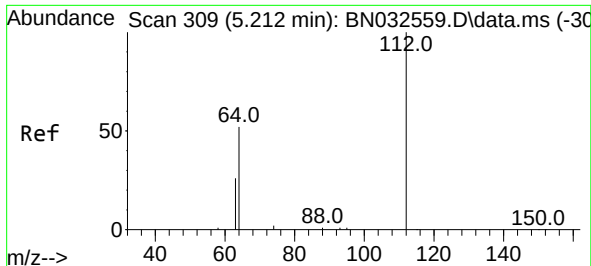
Tgt Ion:152 Resp: 3655
Ion Ratio Lower Upper
152 100
150 148.0 121.6 182.4
115 67.2 53.1 79.7



#2
1,4-Dioxane
Concen: 1.526 ng
RT: 3.161 min Scan# 25
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion: 88 Resp: 7345
Ion Ratio Lower Upper
88 100
43 31.9 20.4 30.6#
58 63.2 51.0 76.6

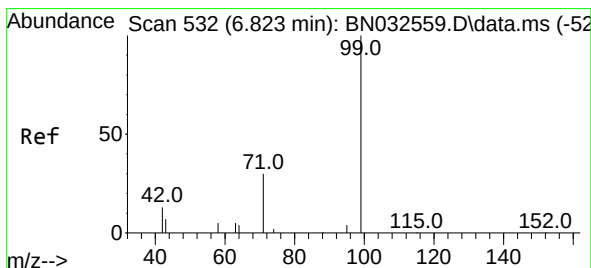
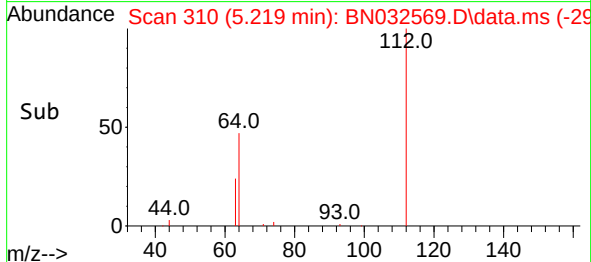
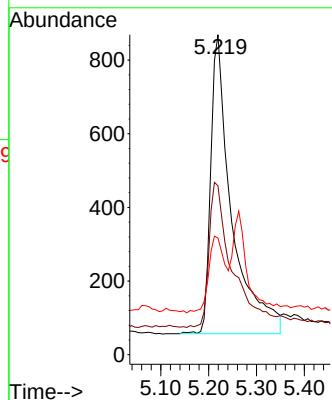
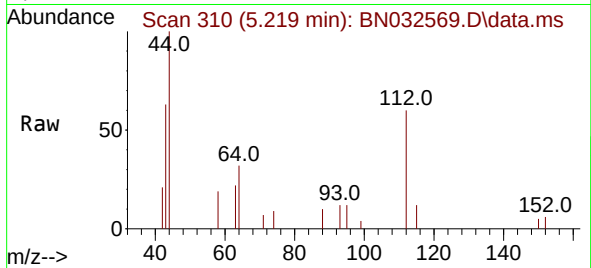




#4
2-Fluorophenol
Concen: 0.268 ng
RT: 5.219 min Scan# 310
Delta R.T. 0.007 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

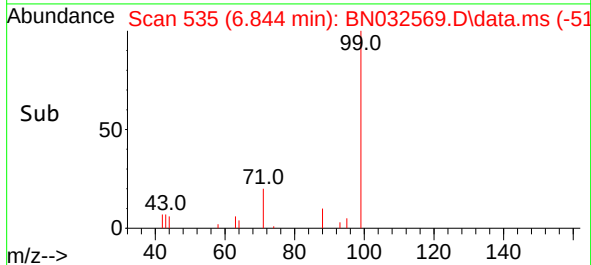
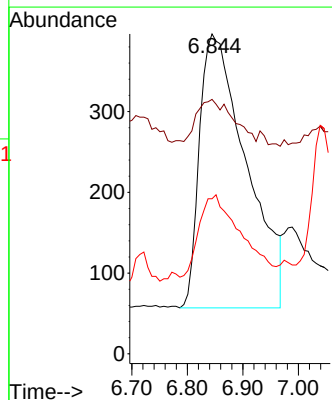
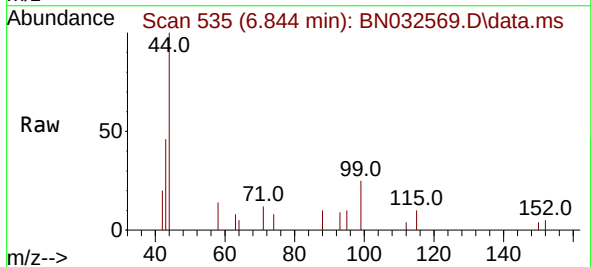
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

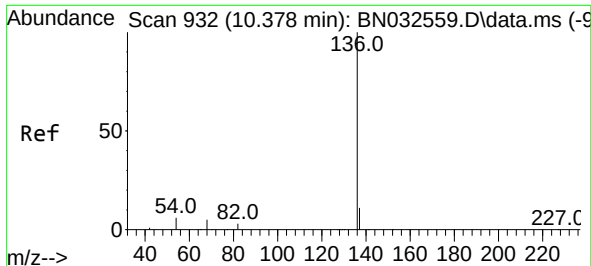
Tgt Ion:112 Resp: 2477
Ion Ratio Lower Upper
112 100
64 54.1 41.2 61.8
63 19.8 21.6 32.4#



#5
Phenol-d6
Concen: 0.168 ng
RT: 6.844 min Scan# 535
Delta R.T. 0.022 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion: 99 Resp: 1980
Ion Ratio Lower Upper
99 100
42 11.4 10.6 16.0
71 27.2 25.2 37.8

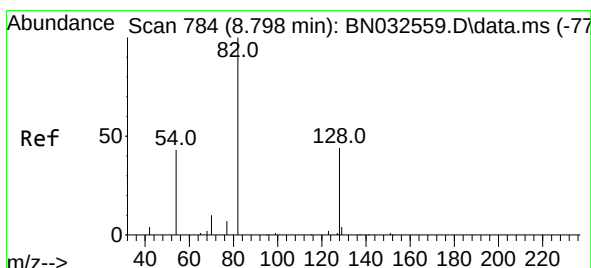
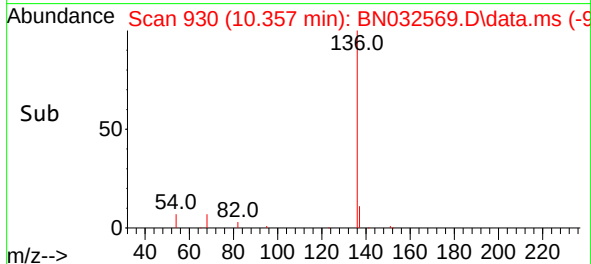
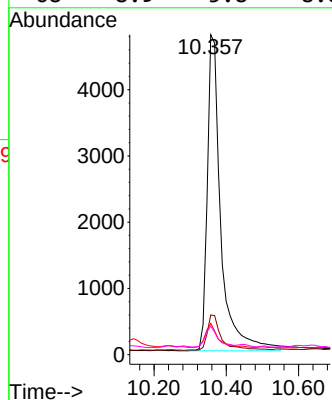
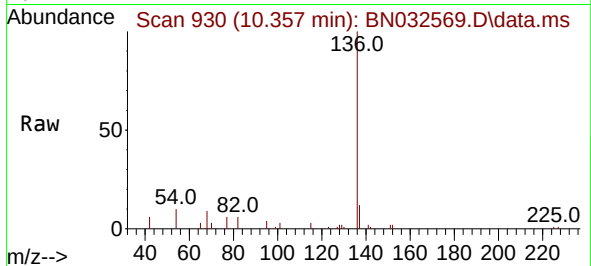




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

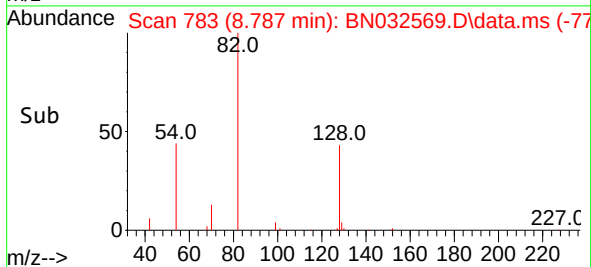
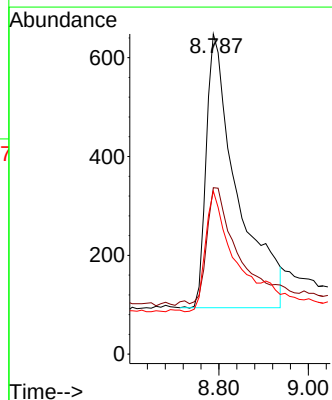
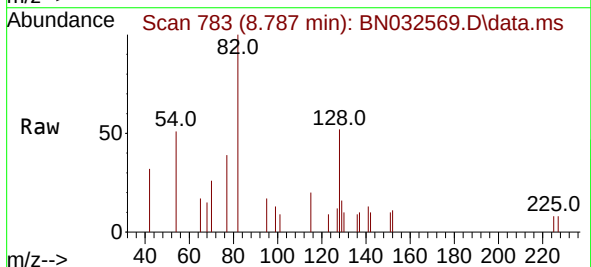
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

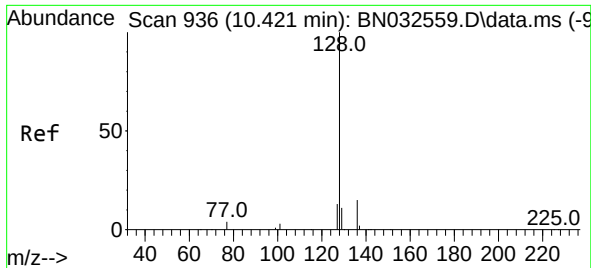
Tgt Ion:	136	Resp:	12498
Ion Ratio	Lower	Upper	
136	100		
137	12.4	10.0	15.0
54	9.8	6.6	9.8
68	8.9	5.8	8.8



#8
Nitrobenzene-d5
Concen: 0.285 ng
RT: 8.787 min Scan# 783
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion:	82	Resp:	2655
Ion Ratio	Lower	Upper	
82	100		
128	52.0	43.4	65.2
54	50.9	40.2	60.2

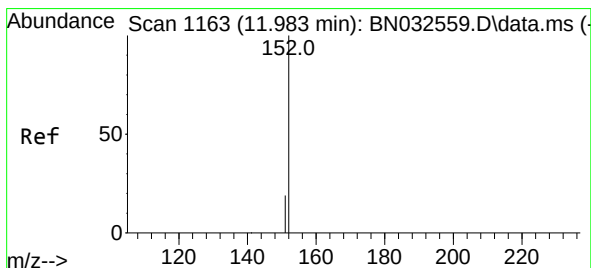
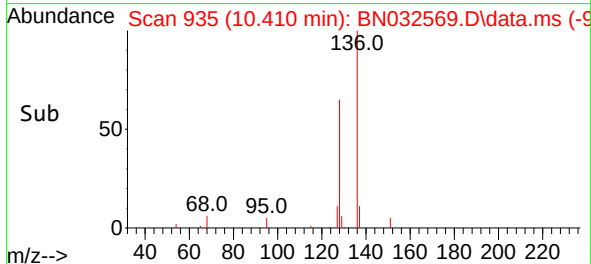
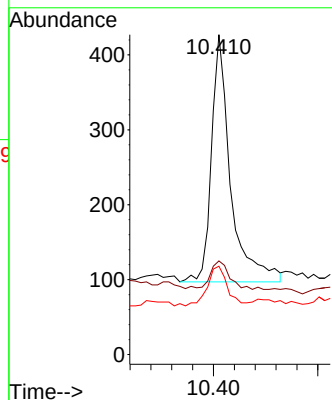
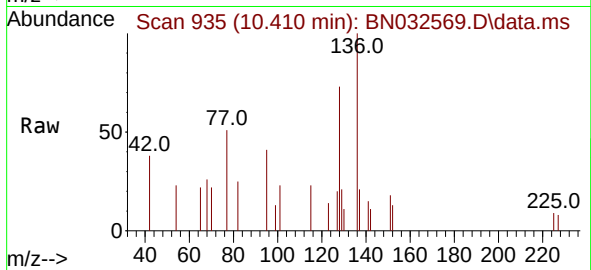




#9
Naphthalene
Concen: 0.025 ng
RT: 10.410 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

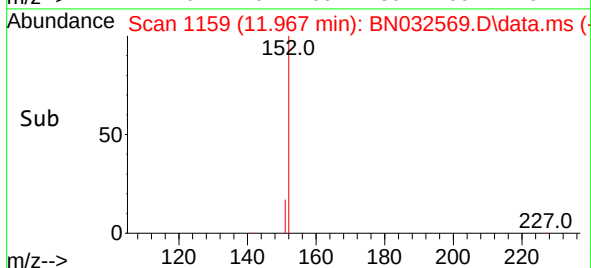
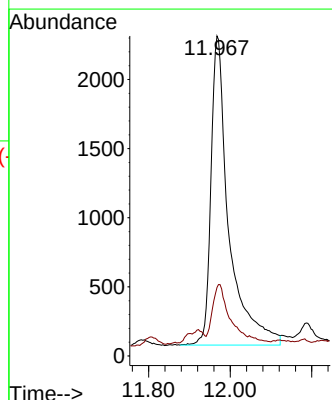
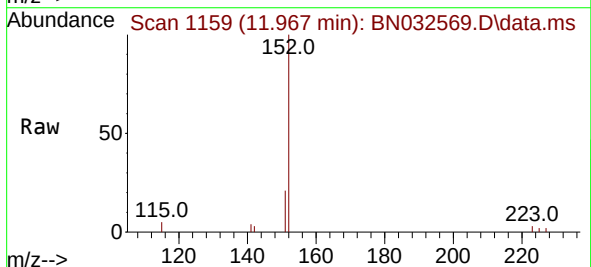
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

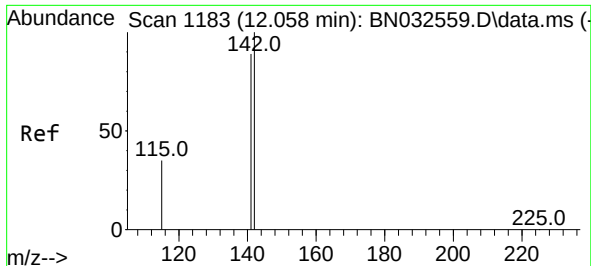
Tgt Ion:128 Resp: 840
Ion Ratio Lower Upper
128 100
129 29.3 10.2 15.4#
127 27.6 11.4 17.0#



#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 11.967 min Scan# 1159
Delta R.T. -0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion:152 Resp: 6808
Ion Ratio Lower Upper
152 100
151 15.0 16.4 24.6#

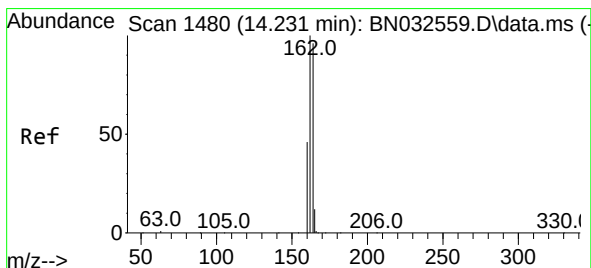
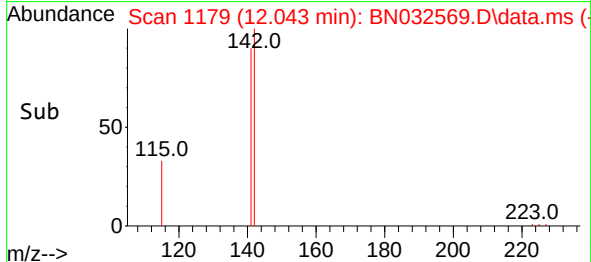
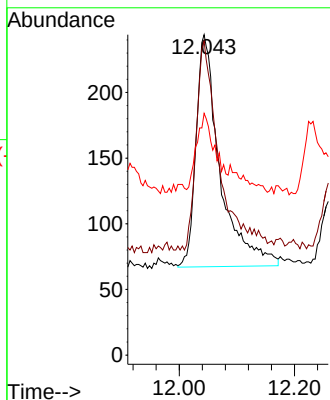
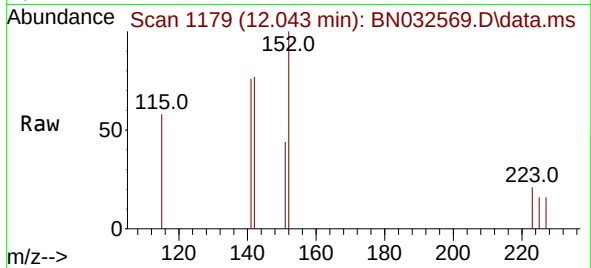




#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.043 min Scan# 1183
Delta R.T. -0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

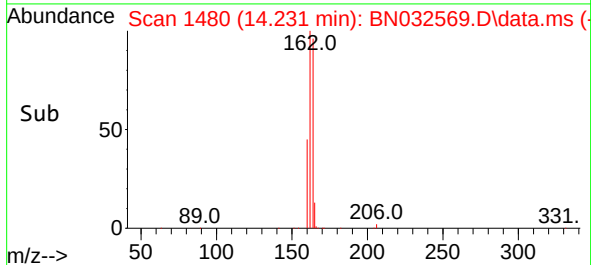
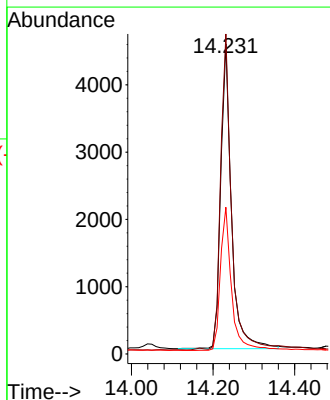
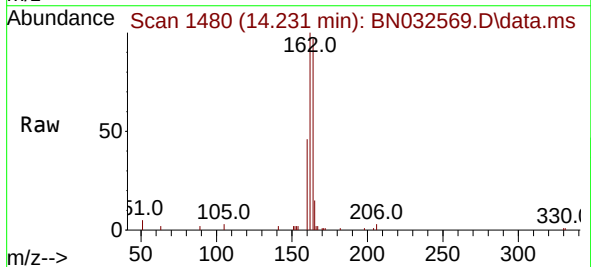
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

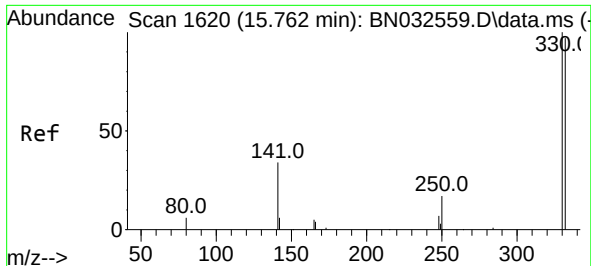
Tgt Ion:142 Resp: 509
Ion Ratio Lower Upper
142 100
141 98.0 71.0 106.6
115 75.4 30.5 45.7#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.231 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

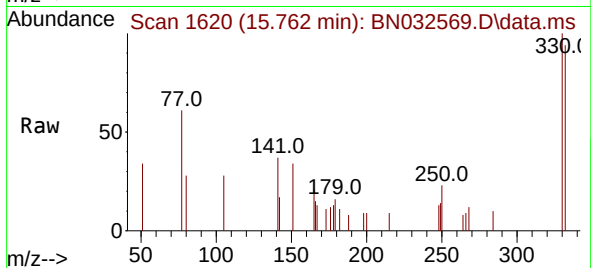
Tgt Ion:164 Resp: 8309
Ion Ratio Lower Upper
164 100
162 103.2 83.2 124.8
160 47.3 38.6 57.8



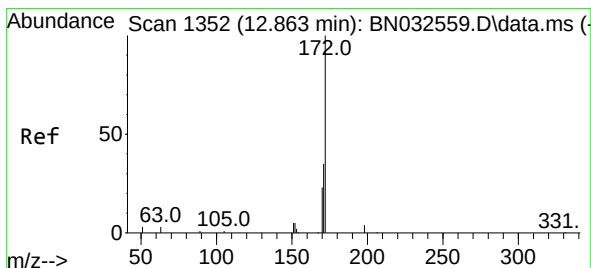
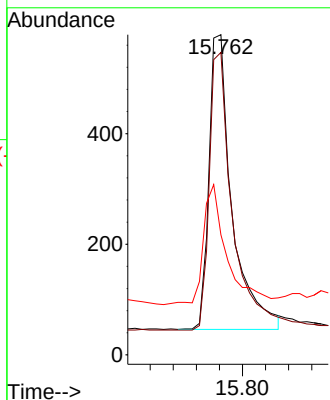
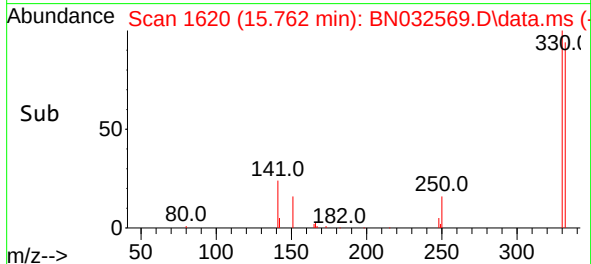


#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.762 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

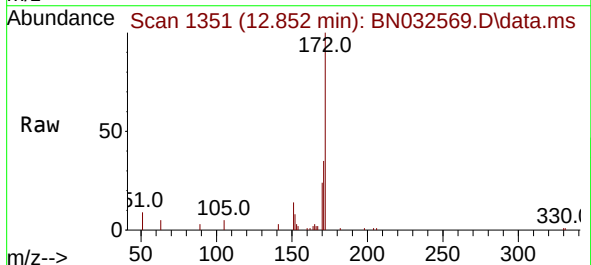
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720



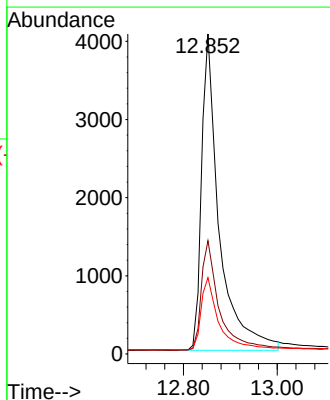
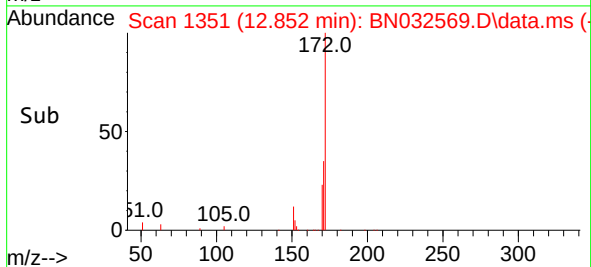
Tgt Ion:330 Resp: 1483
Ion Ratio Lower Upper
330 100
332 94.1 77.7 116.5
141 38.1 31.8 47.8

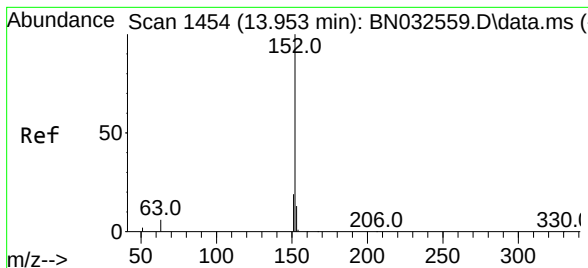


#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 12.852 min Scan# 1351
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04



Tgt Ion:172 Resp: 10564
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.9 19.2 28.8





#16

Acenaphthylene

Concen: 0.022 ng

RT: 13.953 min Scan# 1454

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720

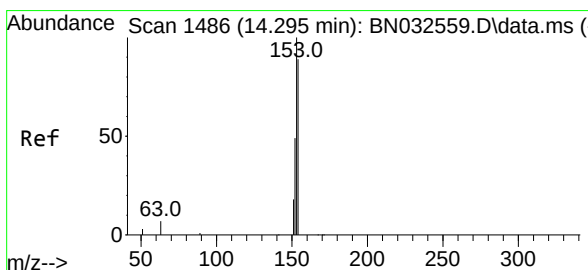
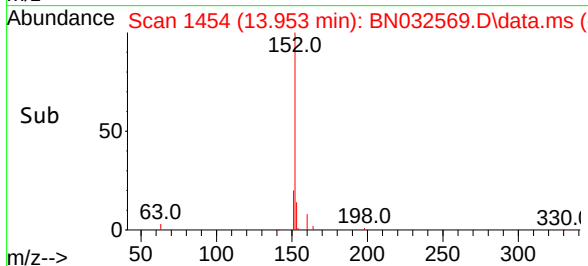
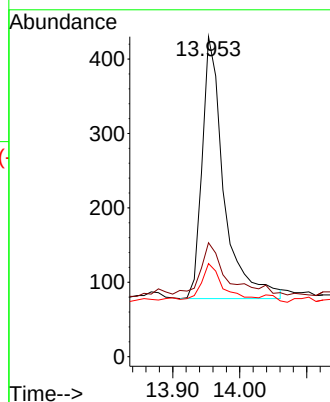
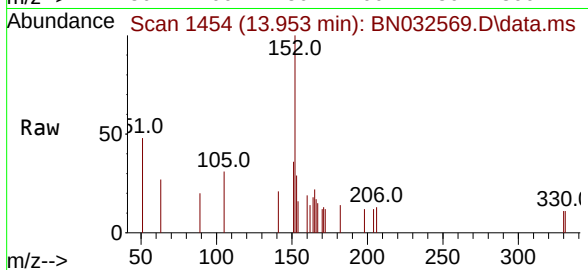
Tgt Ion:152 Resp: 792

Ion Ratio Lower Upper

152 100

151 22.0 15.6 23.4

153 14.4 10.5 15.7



#17

Acenaphthene

Concen: 0.021 ng

RT: 14.296 min Scan# 1486

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

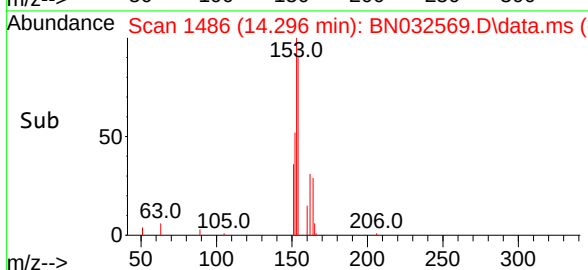
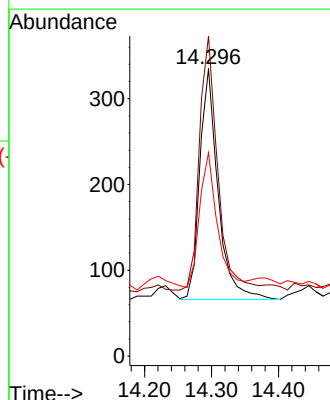
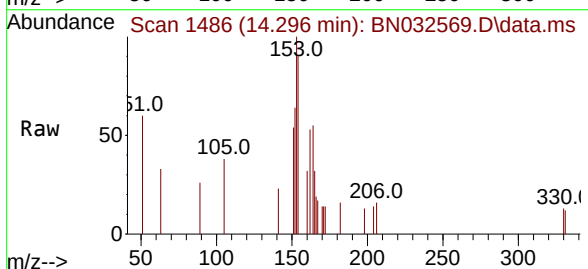
Tgt Ion:154 Resp: 511

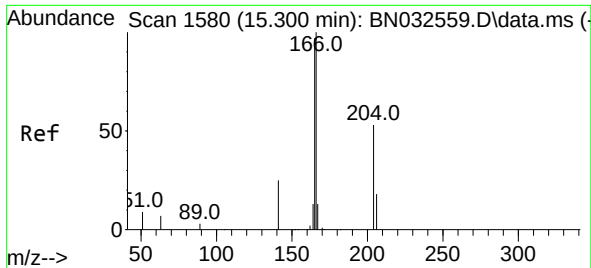
Ion Ratio Lower Upper

154 100

153 110.4 90.9 136.3

152 54.4 44.4 66.6

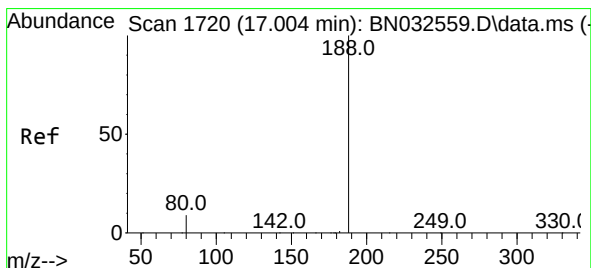
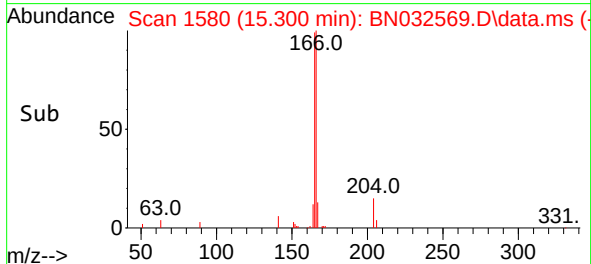
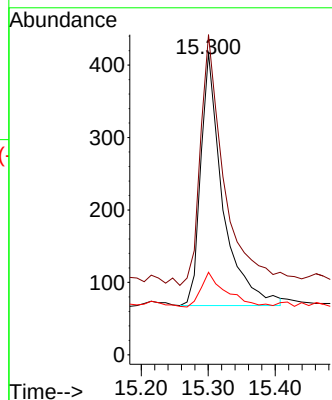
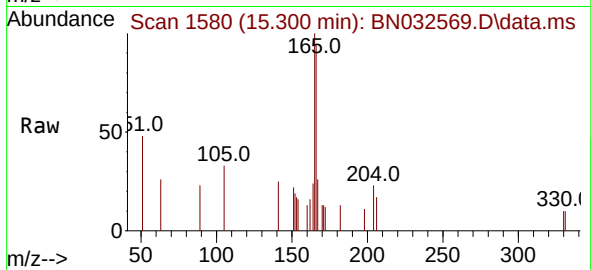




#18
 Fluorene
 Concen: 0.024 ng
 RT: 15.300 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

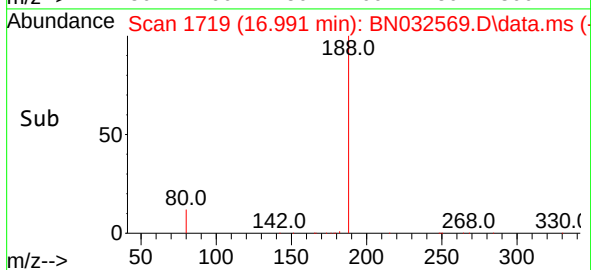
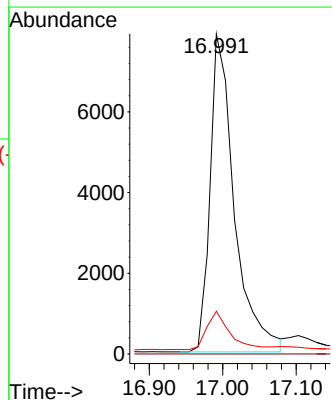
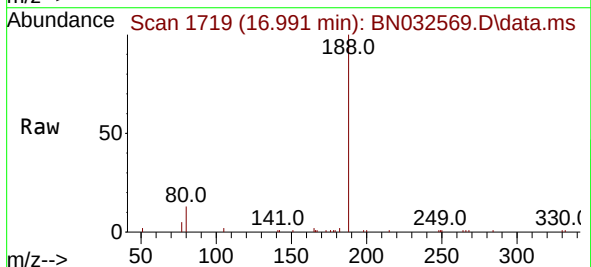
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-718-720

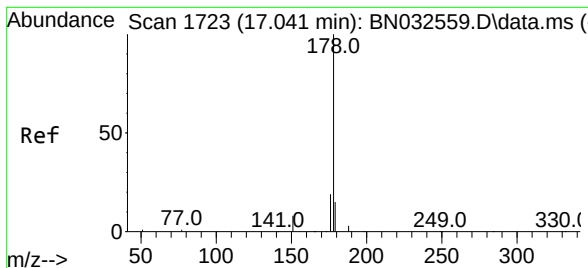
Tgt Ion:166 Resp: 795
 Ion Ratio Lower Upper
 166 100
 165 105.9 78.7 118.1
 167 15.8 10.7 16.1



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.991 min Scan# 1719
 Delta R.T. -0.012 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

Tgt Ion:188 Resp: 18092
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 13.4 7.8 11.6#





#25

Phenanthrene

Concen: 0.038 ng

RT: 17.041 min Scan# 1723

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720

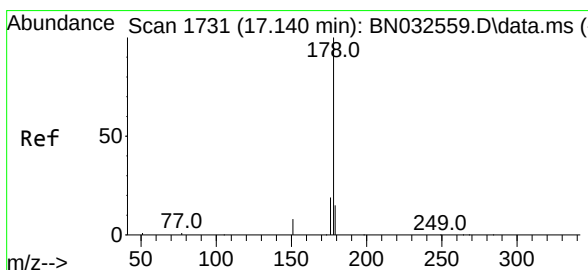
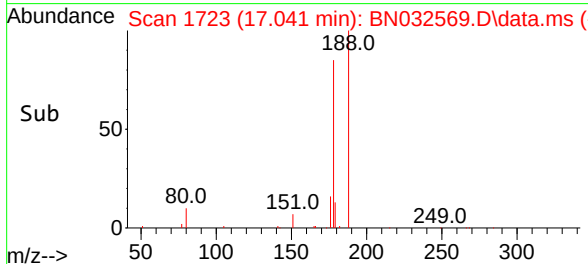
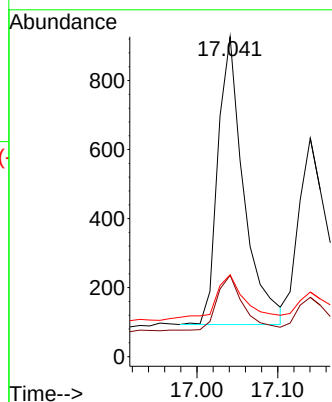
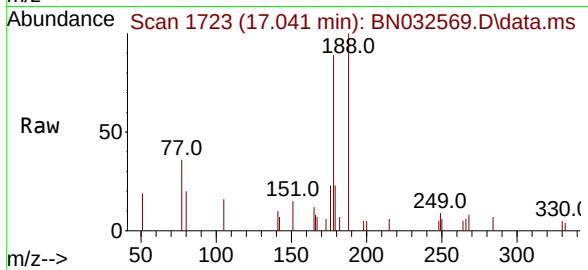
Tgt Ion:178 Resp: 1850

Ion Ratio Lower Upper

178 100

176 20.2 15.2 22.8

179 18.8 12.2 18.4#



#26

Anthracene

Concen: 0.029 ng

RT: 17.140 min Scan# 1731

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

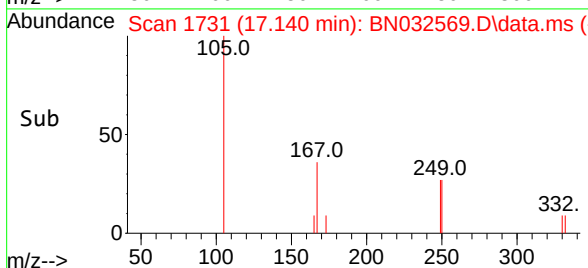
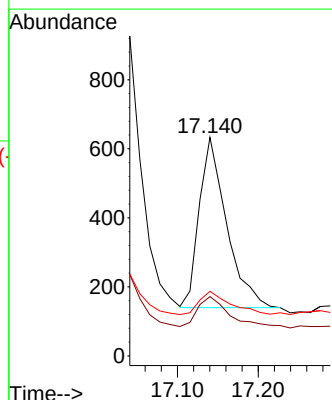
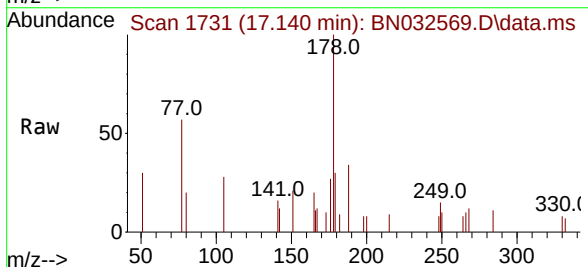
Tgt Ion:178 Resp: 1162

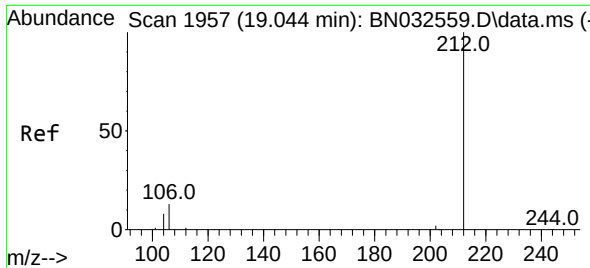
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.4

179 15.1 11.9 17.9

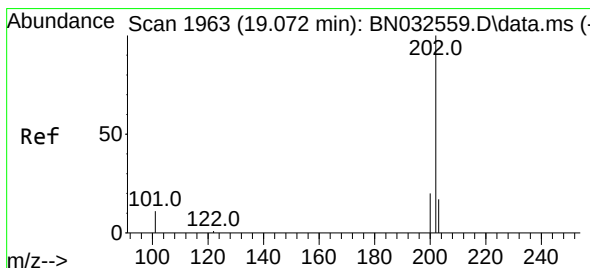
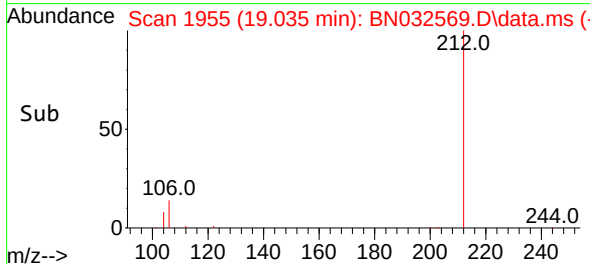
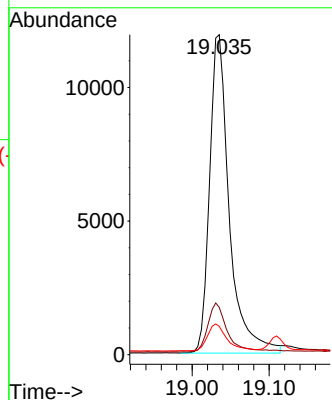
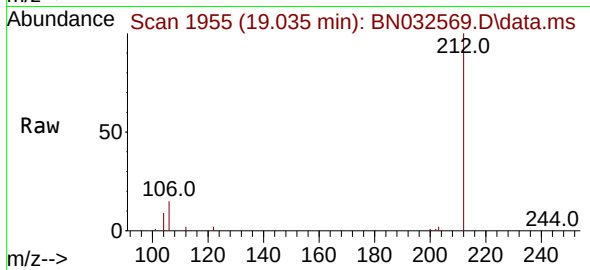




#27
Fluoranthene-d10
Concen: 0.449 ng
RT: 19.035 min Scan# 1955
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

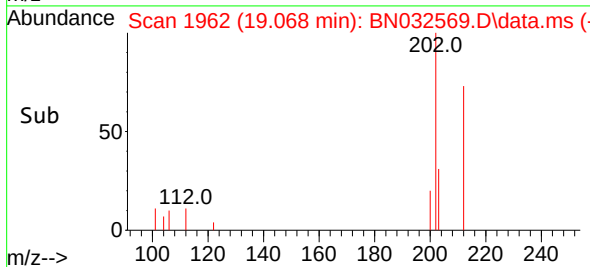
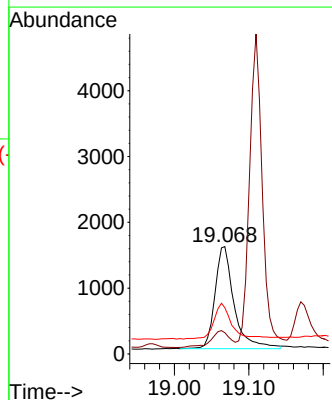
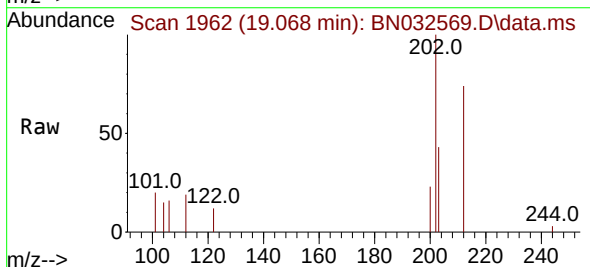
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

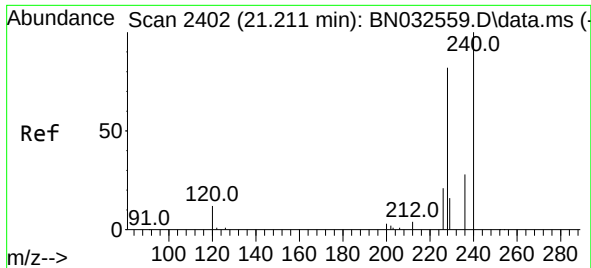
Tgt Ion:212 Resp: 21150
Ion Ratio Lower Upper
212 100
106 15.2 11.8 17.8
104 8.2 6.9 10.3



#28
Fluoranthene
Concen: 0.047 ng
RT: 19.068 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion:202 Resp: 2773
Ion Ratio Lower Upper
202 100
101 16.3 9.5 14.3#
203 33.1 13.8 20.6#

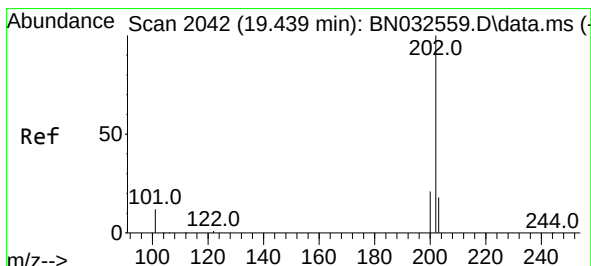
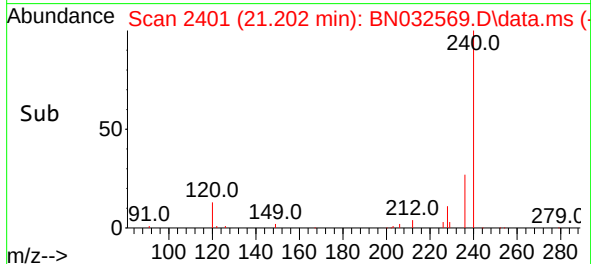
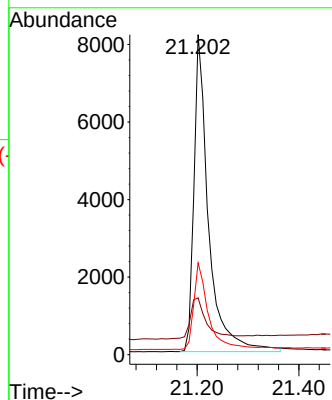
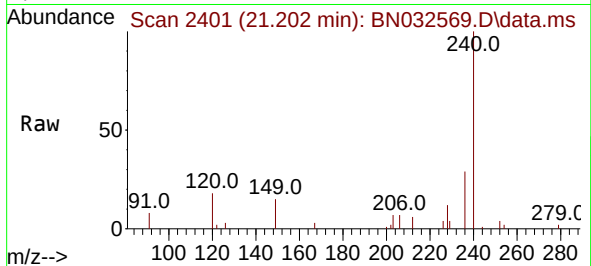




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.202 min Scan# 2401
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

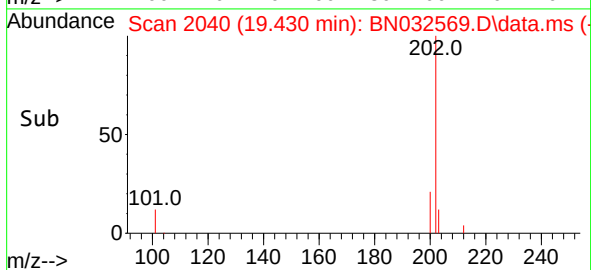
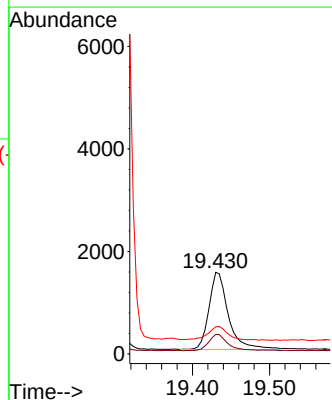
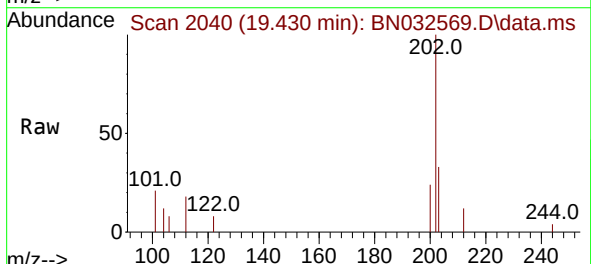
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

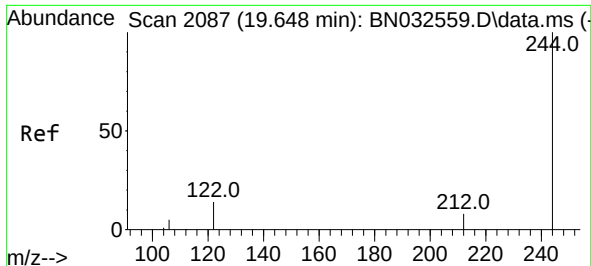
Tgt Ion:240 Resp: 16212
Ion Ratio Lower Upper
240 100
120 17.8 13.0 19.4
236 28.7 23.1 34.7



#30
Pyrene
Concen: 0.040 ng
RT: 19.430 min Scan# 2040
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion:202 Resp: 2632
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 18.7 14.4 21.6

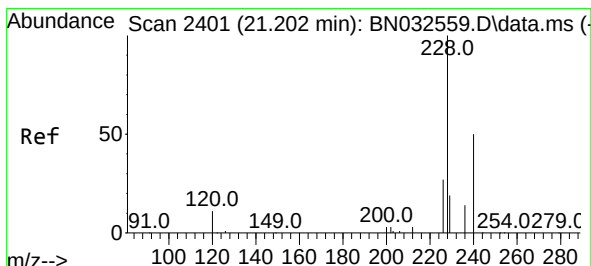
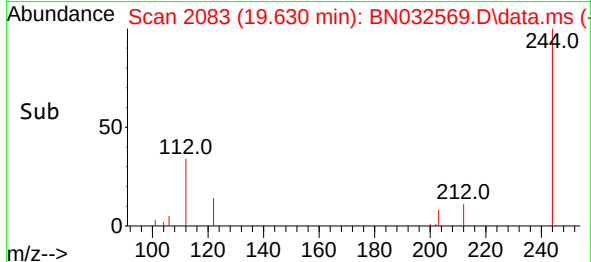
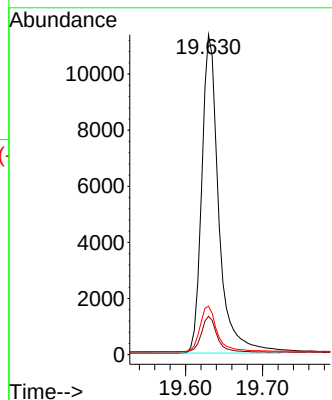
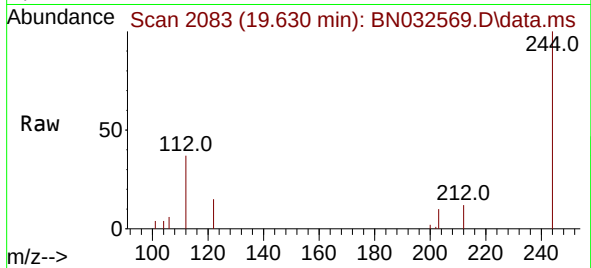




#31
 Terphenyl-d14
 Concen: 0.441 ng
 RT: 19.630 min Scan# 2083
 Delta R.T. -0.019 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

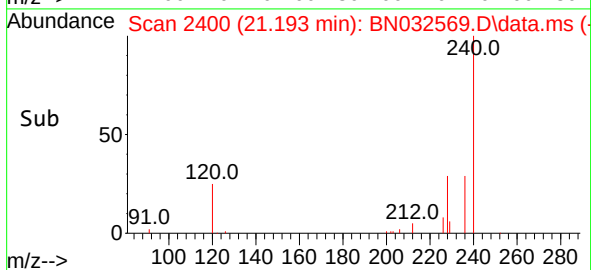
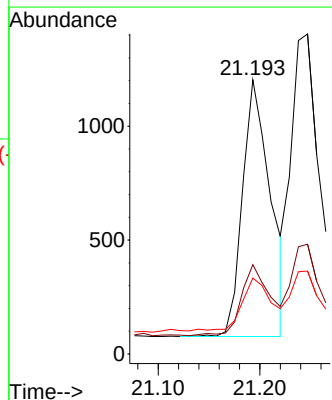
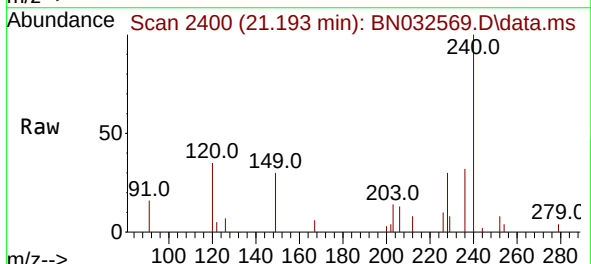
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-718-720

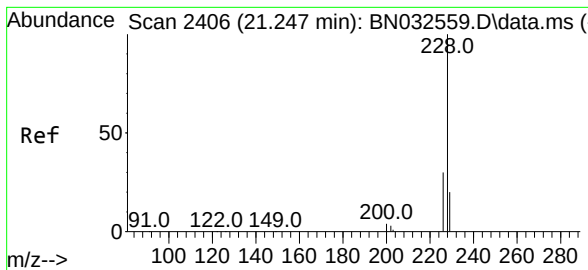
Tgt Ion:244 Resp: 17445
 Ion Ratio Lower Upper
 244 100
 212 12.0 7.2 10.8#
 122 15.1 12.1 18.1



#32
 Benzo(a)anthracene
 Concen: 0.040 ng
 RT: 21.193 min Scan# 2400
 Delta R.T. -0.009 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

Tgt Ion:228 Resp: 2140
 Ion Ratio Lower Upper
 228 100
 226 32.6 21.7 32.5#
 229 27.7 16.0 24.0#





#33

Chrysene

Concen: 0.045 ng

RT: 21.247 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720

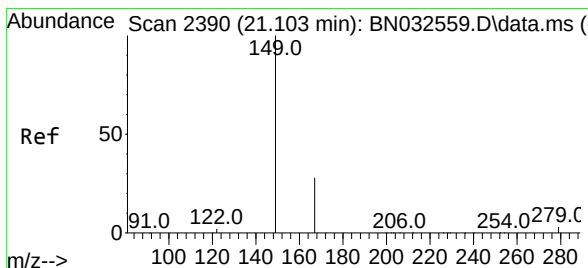
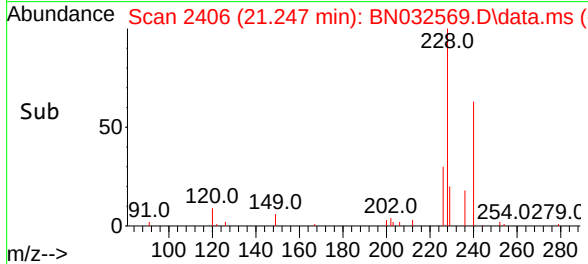
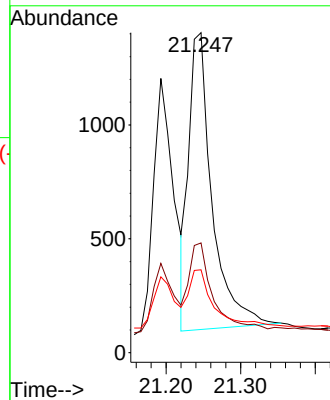
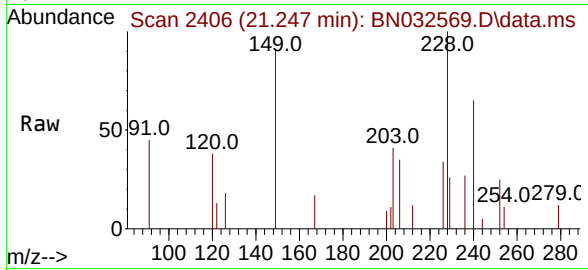
Tgt Ion:228 Resp: 2834

Ion Ratio Lower Upper

228 100

226 34.3 24.1 36.1

229 25.9 16.1 24.1#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.071 ng

RT: 21.094 min Scan# 2389

Delta R.T. -0.009 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

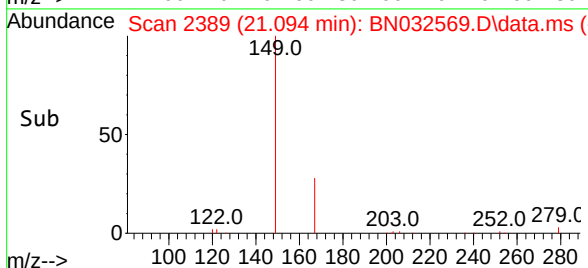
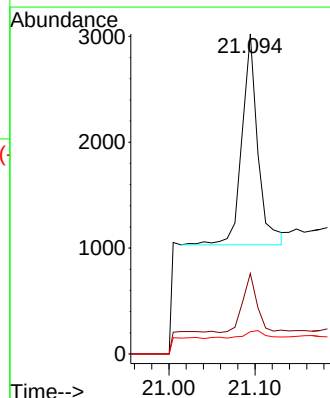
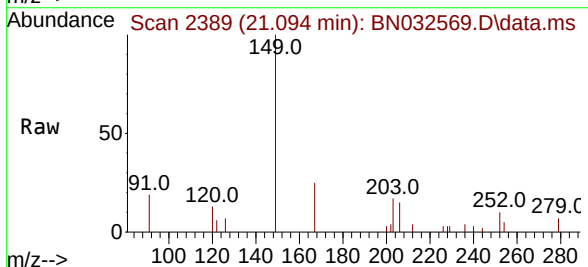
Tgt Ion:149 Resp: 2577

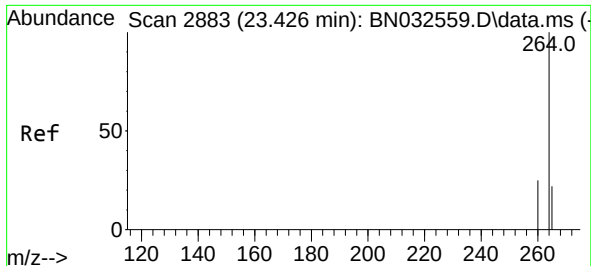
Ion Ratio Lower Upper

149 100

167 25.9 21.6 32.4

279 2.7 3.0 4.6#

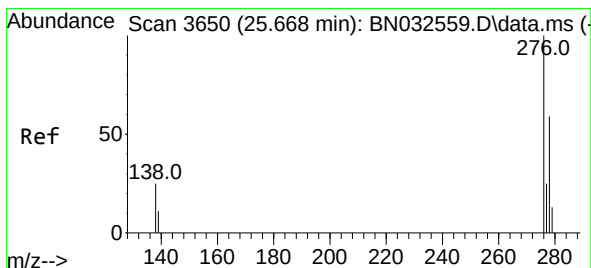
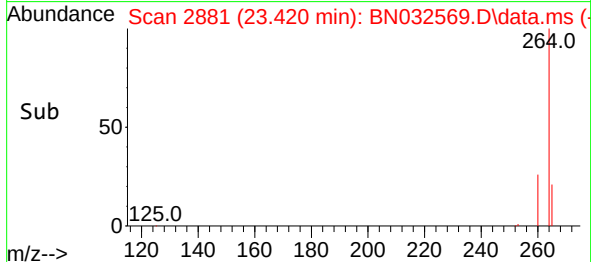
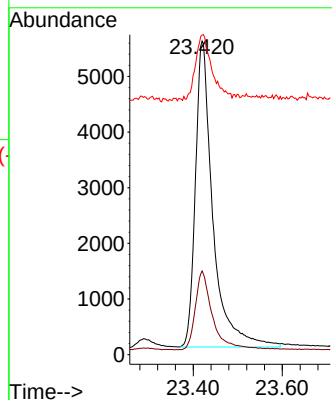
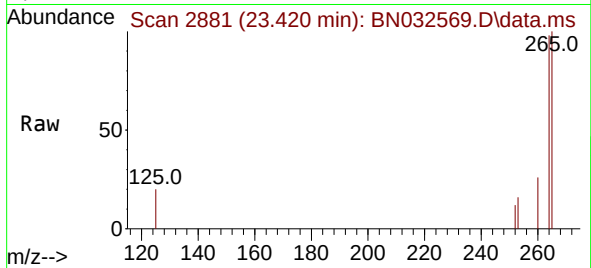




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.420 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

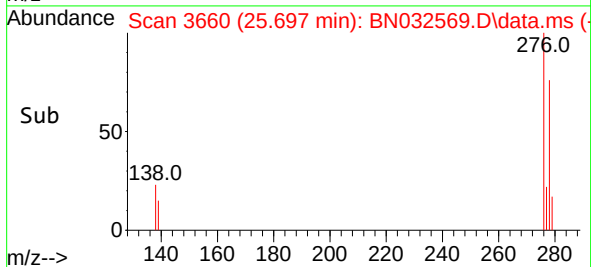
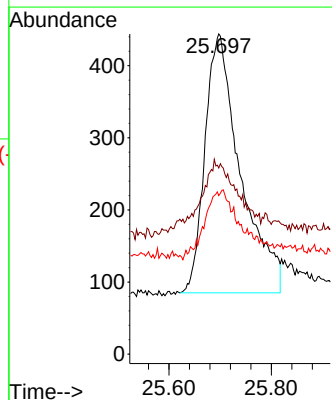
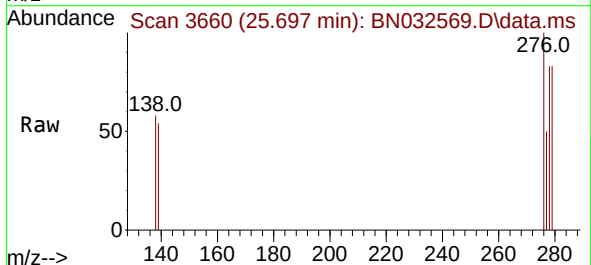
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-718-720

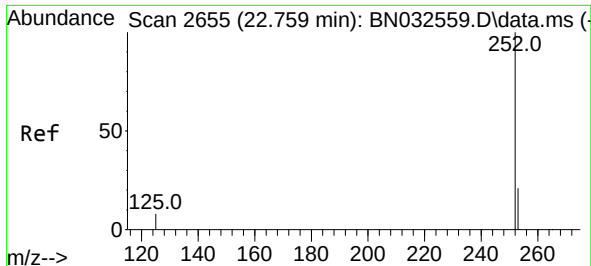
Tgt Ion:264 Resp: 14982
 Ion Ratio Lower Upper
 264 100
 260 26.7 21.0 31.6
 265 101.9 76.6 115.0



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.030 ng
 RT: 25.697 min Scan# 3660
 Delta R.T. 0.029 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

Tgt Ion:276 Resp: 1730
 Ion Ratio Lower Upper
 276 100
 138 9.0 21.4 32.0#
 277 11.2 19.9 29.9#





#37

Benzo(b)fluoranthene

Concen: 0.040 ng

RT: 22.759 min Scan# 2655

Delta R.T. 0.000 min

Lab File: BN032569.D

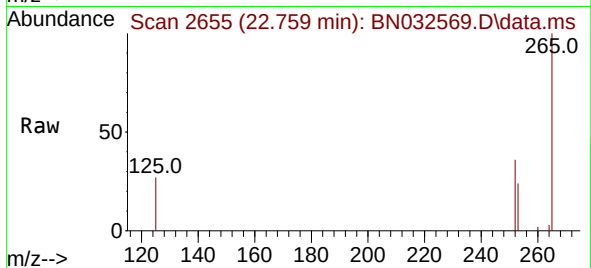
Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720



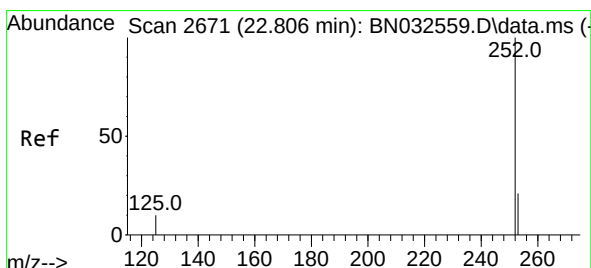
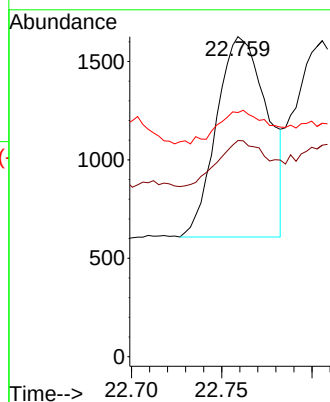
Tgt Ion:252 Resp: 1991

Ion Ratio Lower Upper

252 100

253 67.5 22.2 33.4#

125 76.3 15.4 23.0#



#38

Benzo(k)fluoranthene

Concen: 0.043 ng

RT: 22.806 min Scan# 2671

Delta R.T. 0.000 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

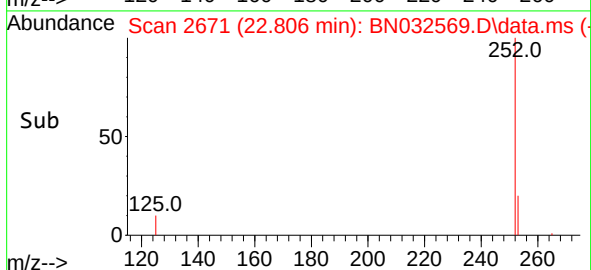
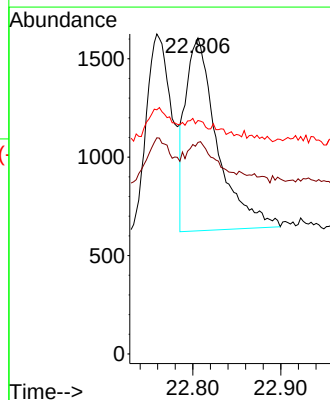
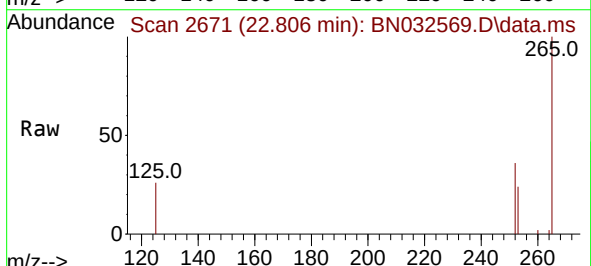
Tgt Ion:252 Resp: 2454

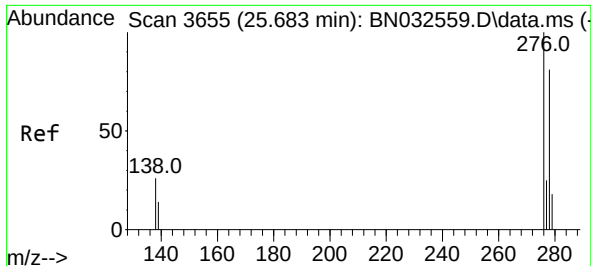
Ion Ratio Lower Upper

252 100

253 66.9 21.9 32.9#

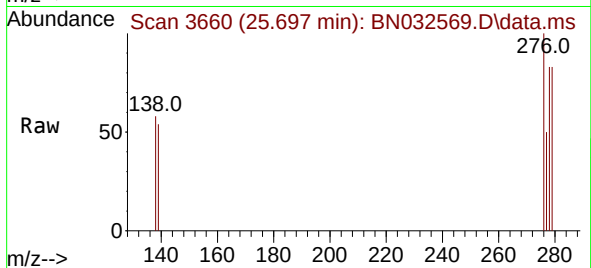
125 73.8 15.3 22.9#



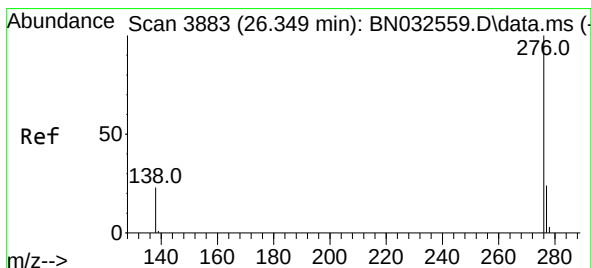
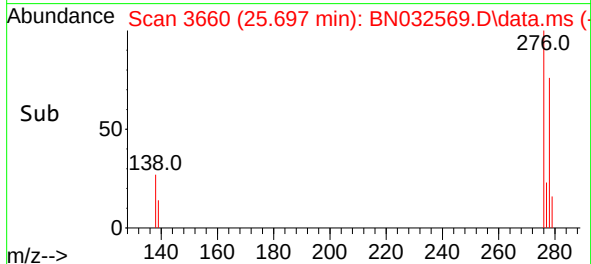
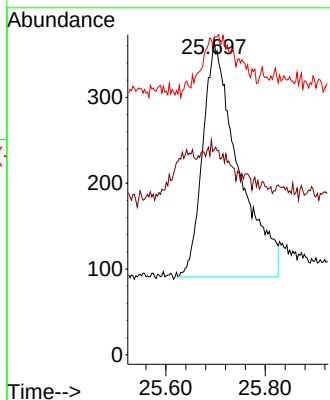


#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 25.697 min Scan# 3660
Delta R.T. 0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720



Tgt Ion:278 Resp: 1362
Ion Ratio Lower Upper
278 100
139 64.9 17.8 26.6#
279 100.5 24.4 36.6#



#41
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.370 min Scan# 3890
Delta R.T. 0.021 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

Tgt Ion:276 Resp: 1242
Ion Ratio Lower Upper
276 100
277 55.0 21.5 32.3#
138 66.7 21.4 32.0#

