

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)

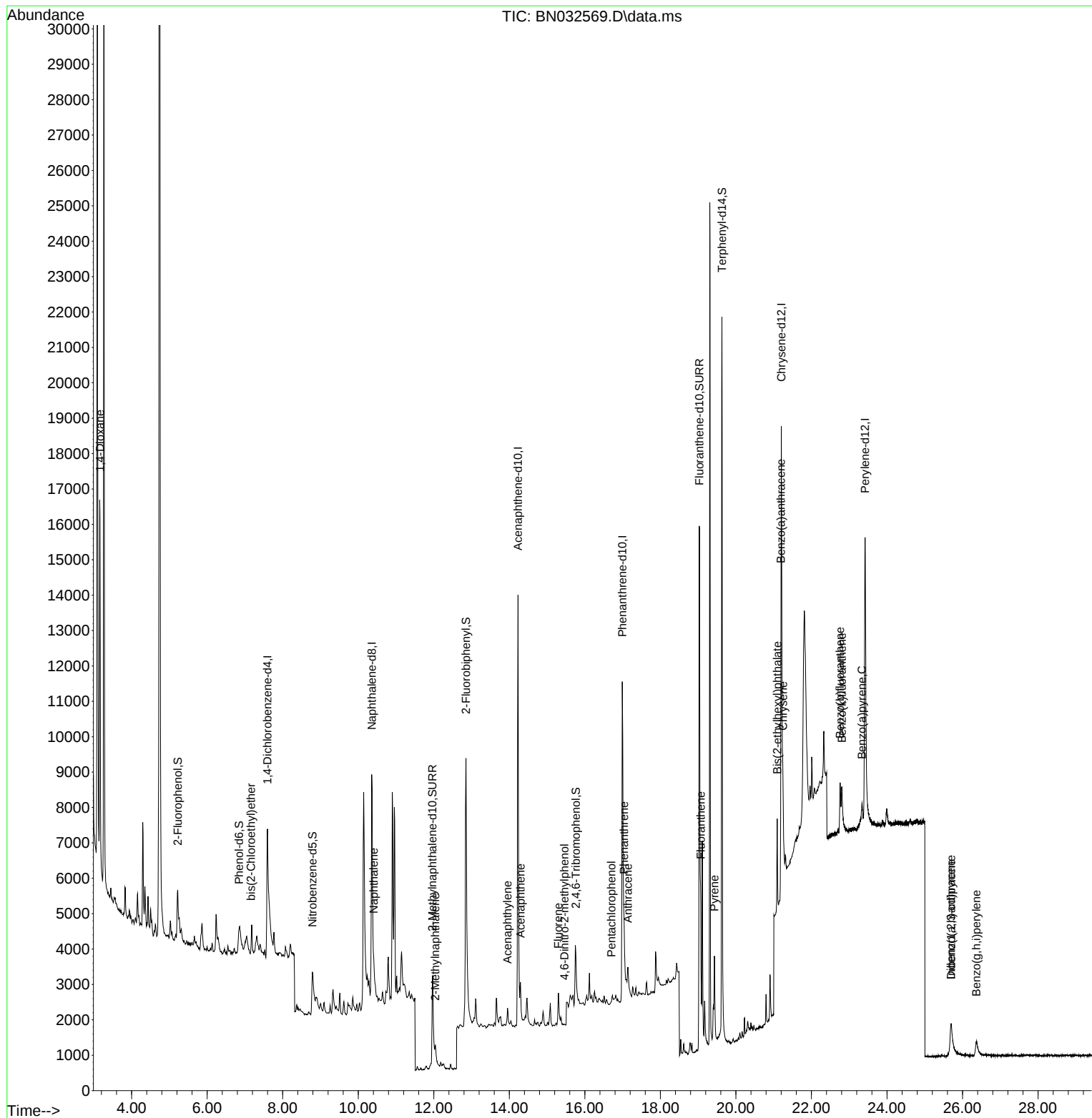
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	3655	0.400	ng	0.00
7) Naphthalene-d8	10.357	136	12498	0.400	ng	#-0.02
13) Acenaphthene-d10	14.231	164	8309	0.400	ng	0.00
19) Phenanthrene-d10	16.991	188	18092	0.400	ng	#-0.01
29) Chrysene-d12	21.202	240	16212	0.400	ng	0.00
35) Perylene-d12	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						Qvalue
2) 1,4-Dioxane	3.161	88	7345	1.526	ng	# 96
6) bis(2-Chloroethyl)ether	7.162	93	7	0.087	ng	89
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
20) 4,6-Dinitro-2-methylph...	15.461	198	10	0.200	ng	# 1
24) Pentachlorophenol	16.706	266	33	0.174	ng	# 55
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
39) Benzo(a)pyrene	23.341	252	1457	0.031	ng	# 1
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

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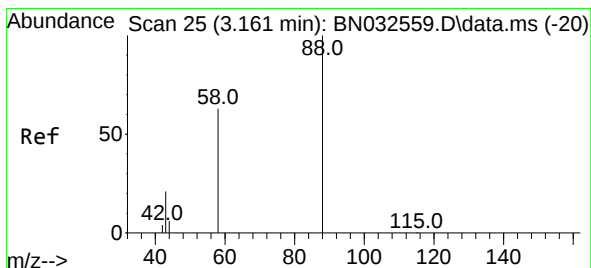
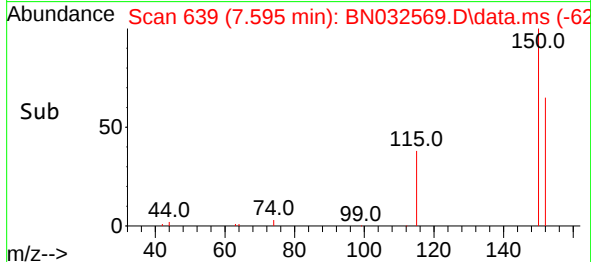
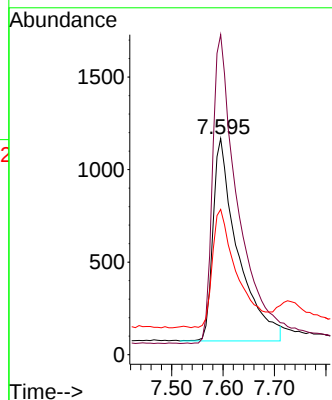
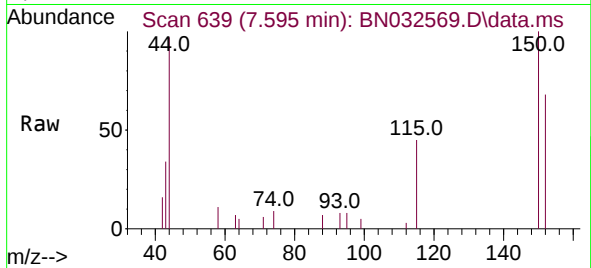




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.595 min Scan# 61
Delta R.T. 0.007 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

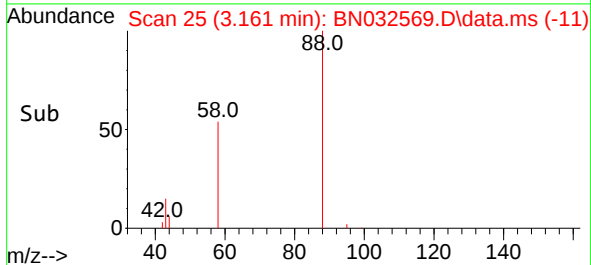
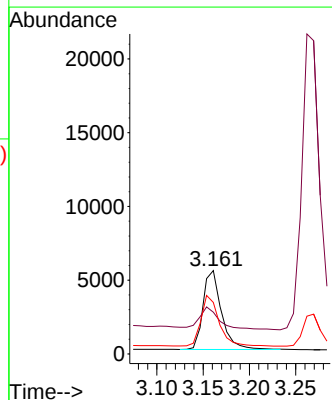
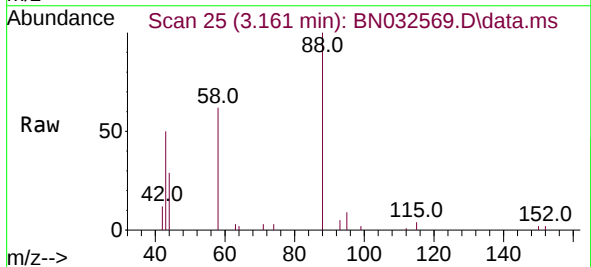
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

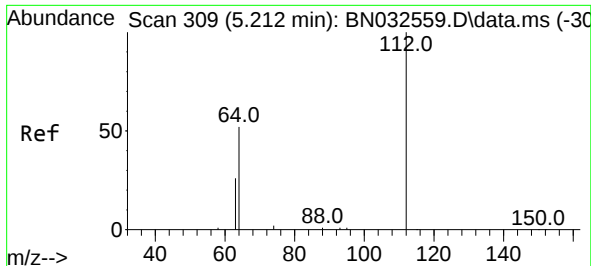
Tgt Ion:152 Resp: 3655
Ion Ratio Lower Upper
152 100
150 148.0 121.6 182.4
115 67.2 53.1 79.7



#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

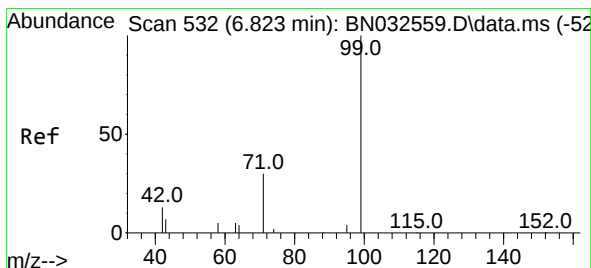
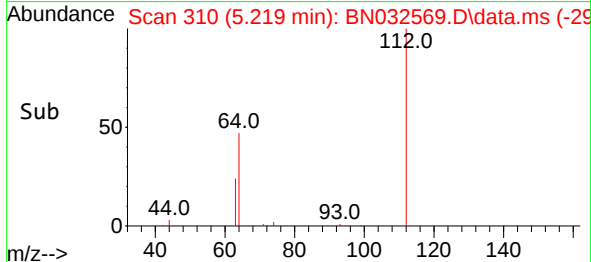
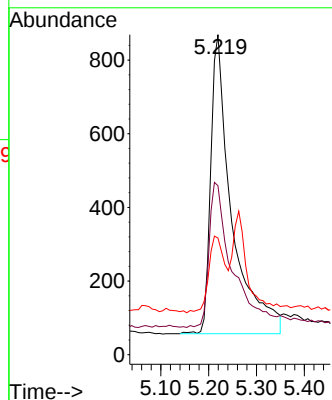
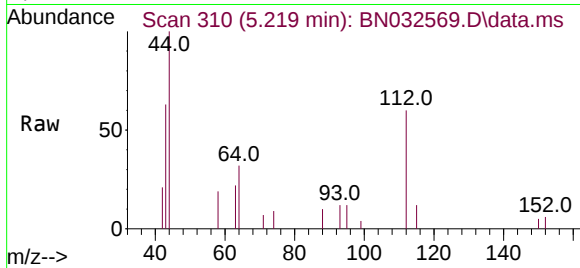




#4
2-Fluorophenol
Concen: 0.268 ng
RT: 5.219 min Scan# 310
Delta R.T. 0.007 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

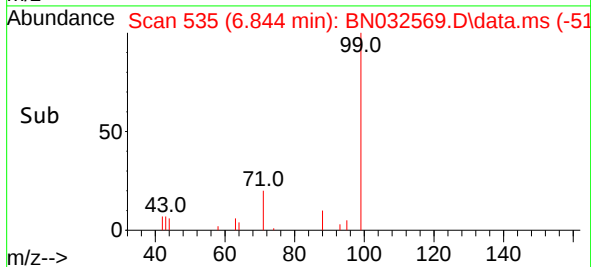
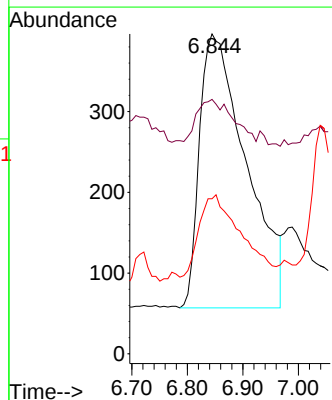
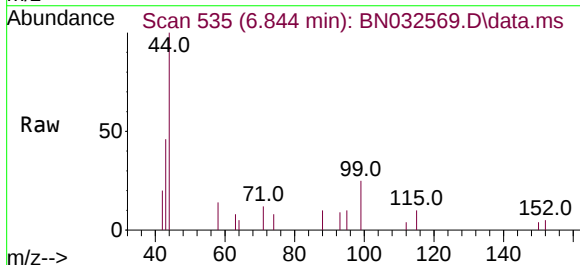
Instrument :
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ClientSampleId :
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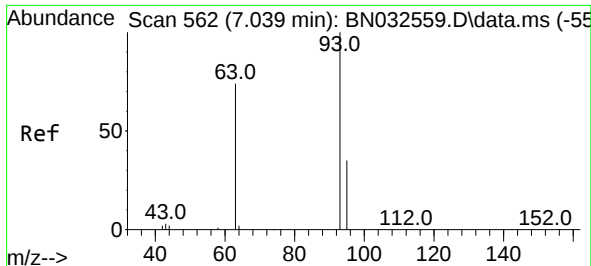
Tgt Ion:112 Resp: 2477
Ion Ratio Lower Upper
112 100
64 54.1 41.2 61.8
63 19.8 21.6 32.4#



#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

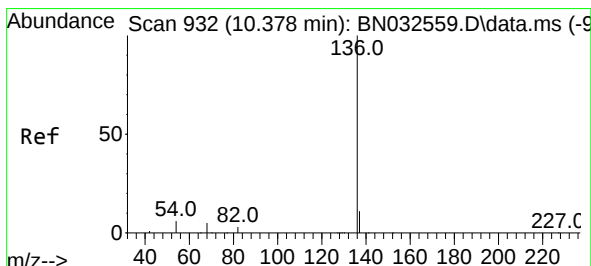
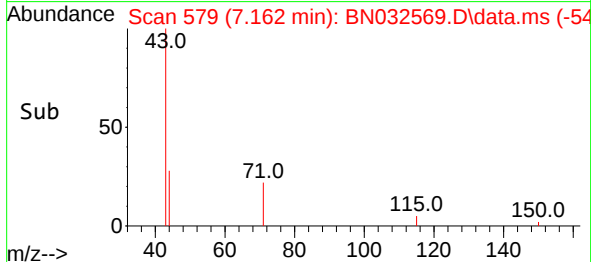
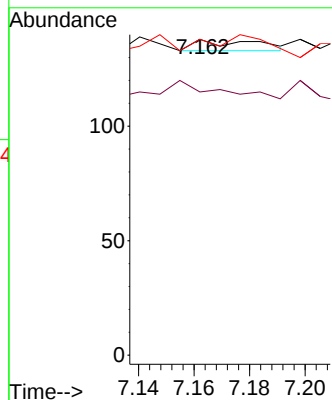
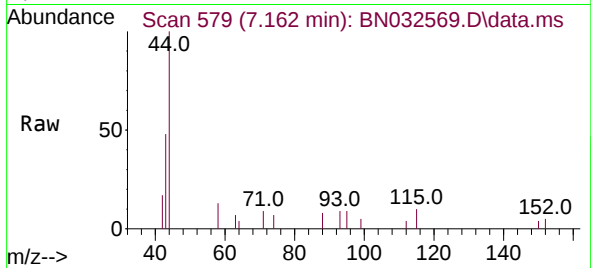




#6
bis(2-Chloroethyl)ether
Concen: 0.087 ng
RT: 7.162 min Scan# 51
Delta R.T. 0.123 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

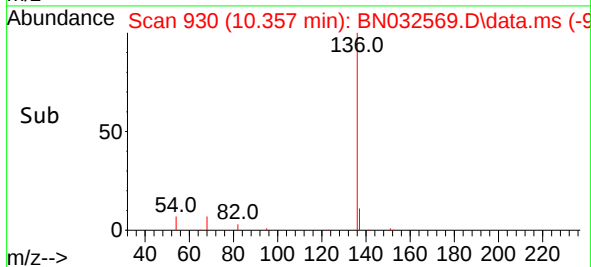
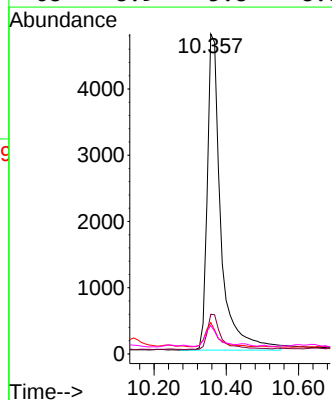
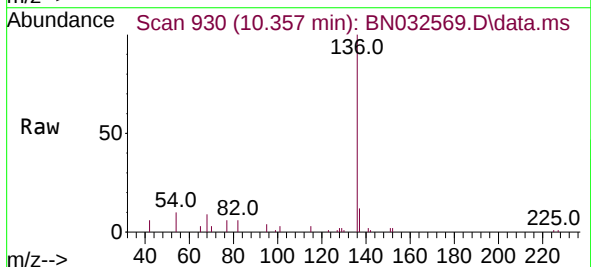
Instrument :
BNA_N
ClientSampleId :
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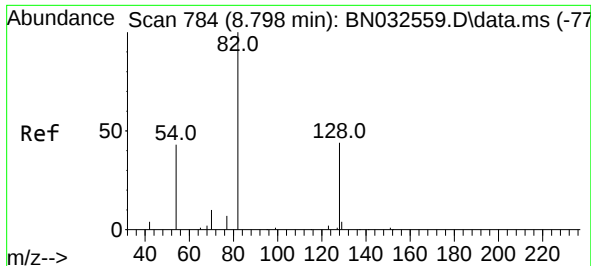
Tgt Ion: 93 Resp: 7
Ion Ratio Lower Upper
93 100
63 57.1 54.1 81.1
95 42.9 30.5 45.7



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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#

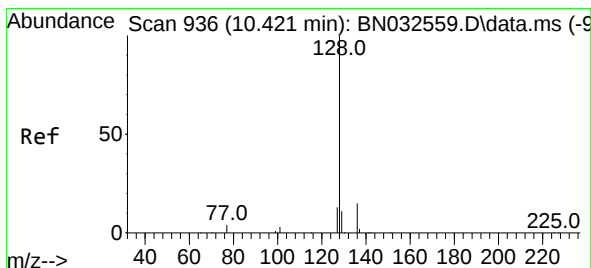
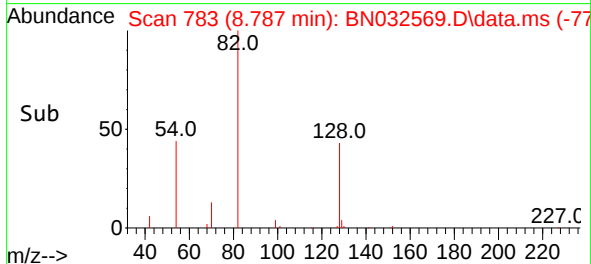
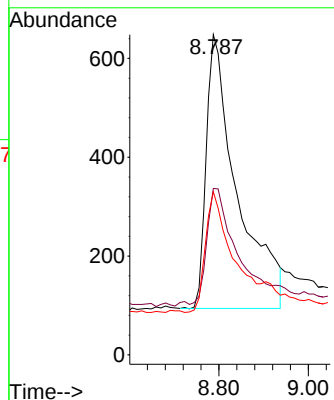
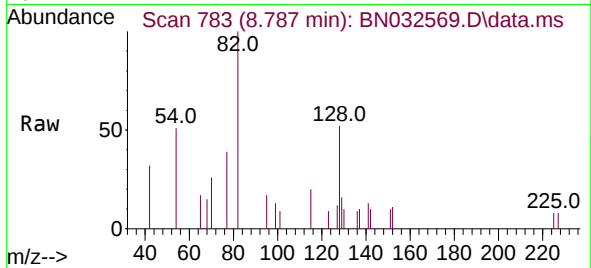




#8
Nitrobenzene-d5
Concen: 0.285 ng
RT: 8.787 min Scan# 783
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

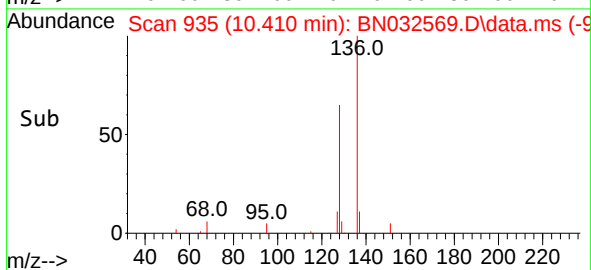
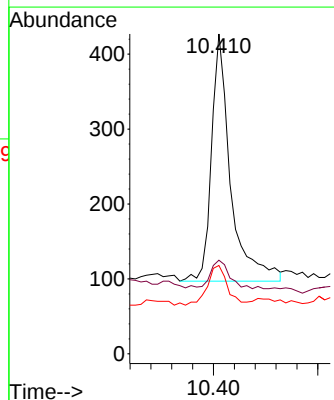
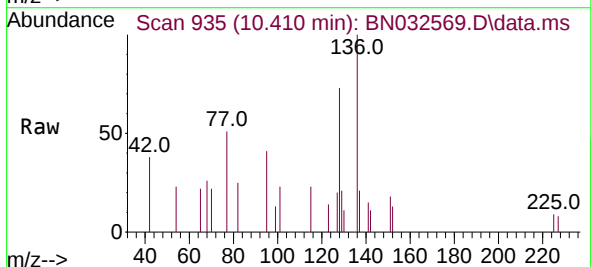
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

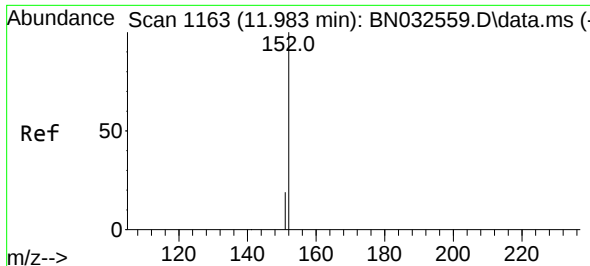
Tgt Ion: 82 Resp: 2655
Ion Ratio Lower Upper
82 100
128 52.0 43.4 65.2
54 50.9 40.2 60.2



#9
Naphthalene
Concen: 0.025 ng
RT: 10.410 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

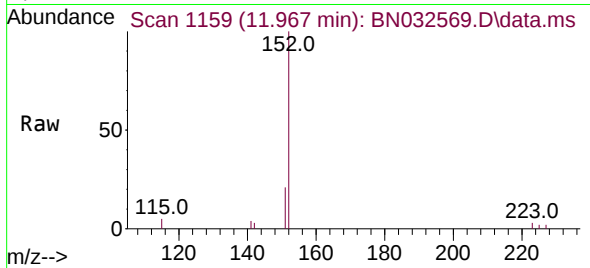
Tgt Ion: 128 Resp: 840
Ion Ratio Lower Upper
128 100
129 29.3 10.2 15.4#
127 27.6 11.4 17.0#



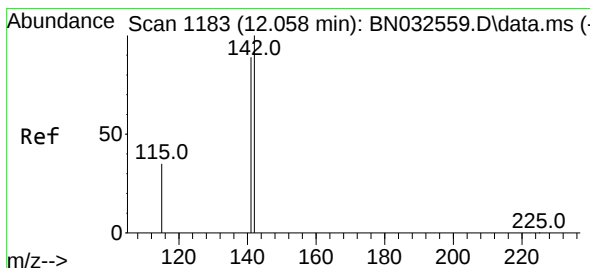
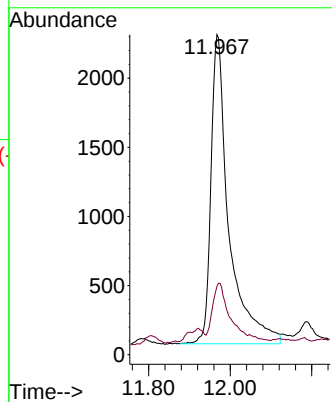
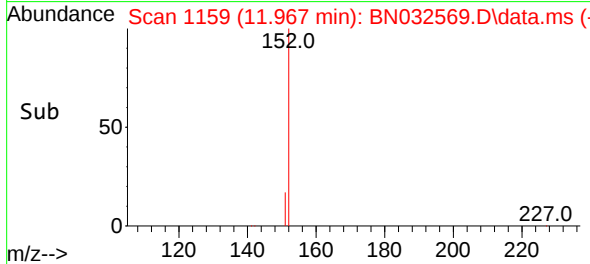


#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 11.967 min Scan# 1163
Delta R.T. -0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

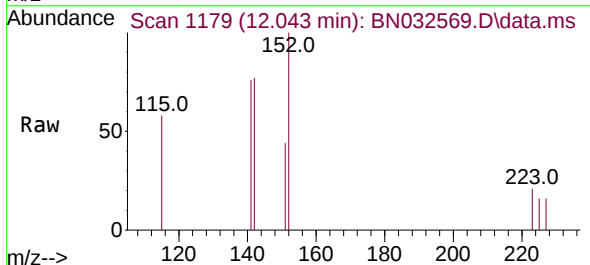
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720



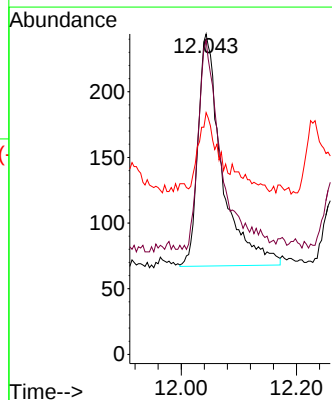
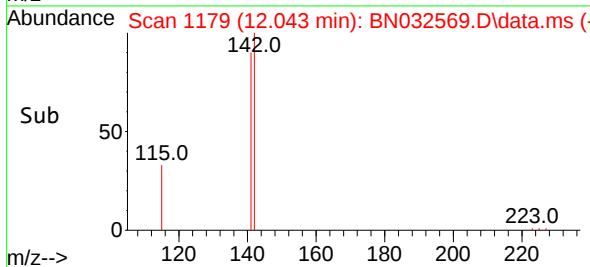
Tgt Ion:152 Resp: 6808
Ion Ratio Lower Upper
152 100
151 15.0 16.4 24.6#

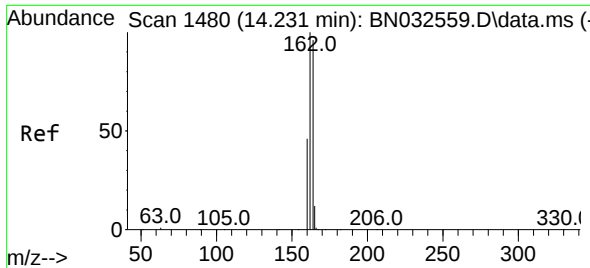


#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.043 min Scan# 1179
Delta R.T. -0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04



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#

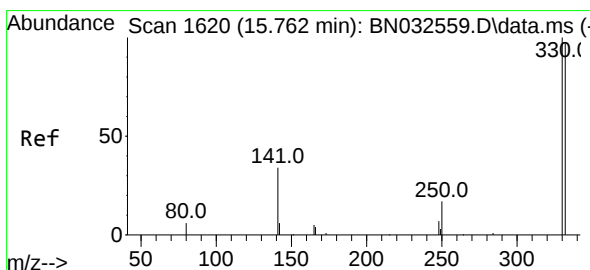
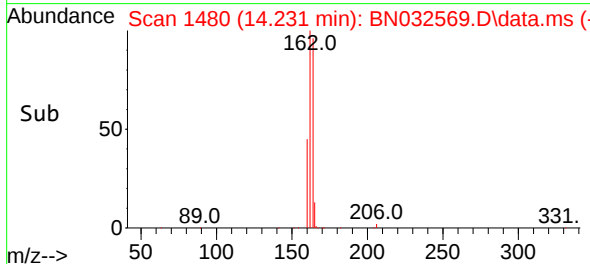
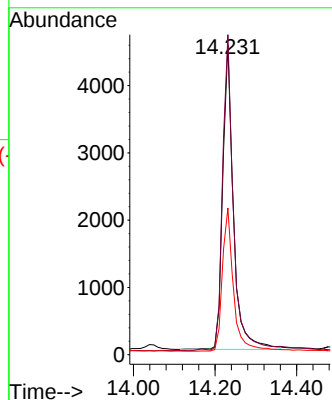
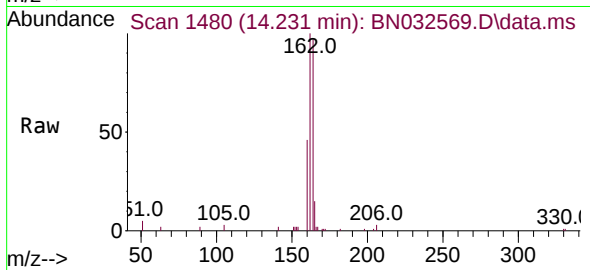




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.231 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

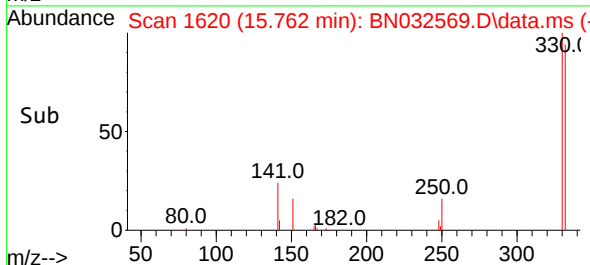
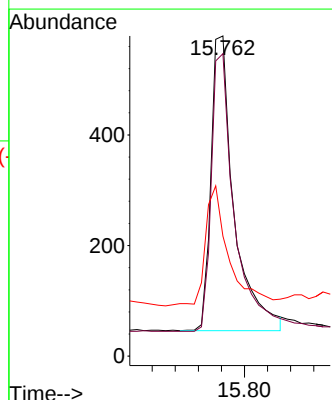
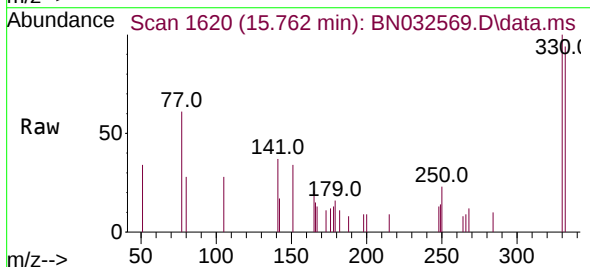
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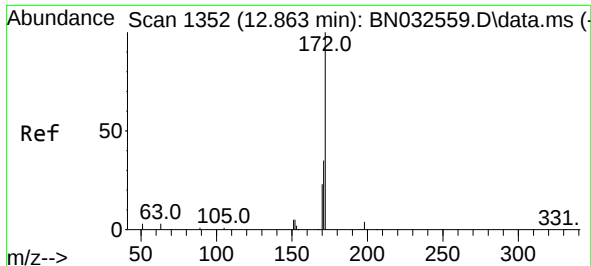
Tgt Ion:164	Resp:	8309
Ion	Ratio	Lower Upper
164	100	
162	103.2	83.2 124.8
160	47.3	38.6 57.8



#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.762 min Scan# 1620
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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

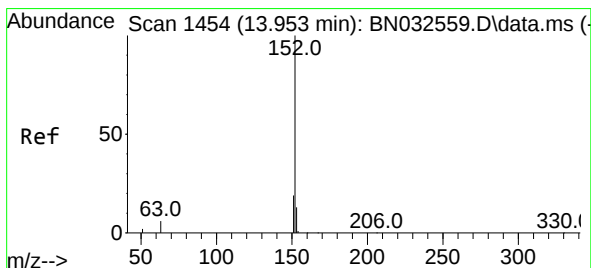
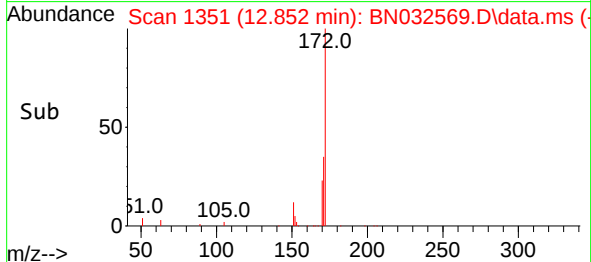
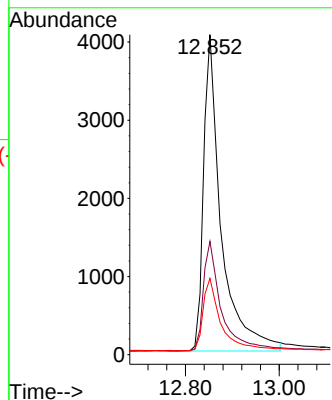
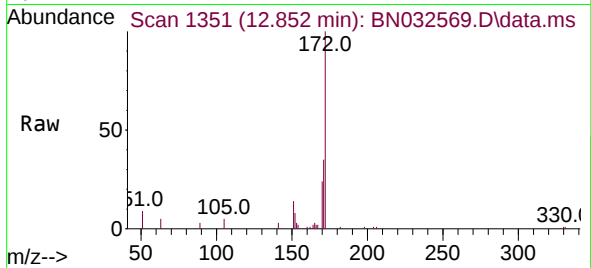




#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 12.852 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

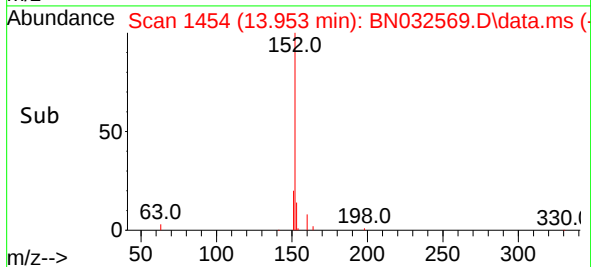
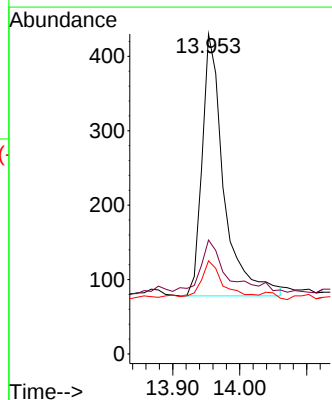
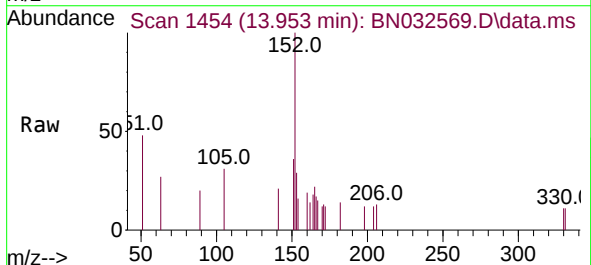
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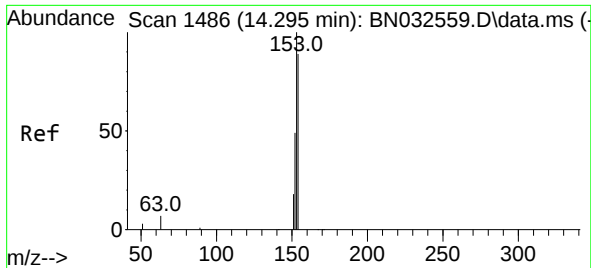
Tgt Ion:172 Resp: 10564
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.9 19.2 28.8



#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

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

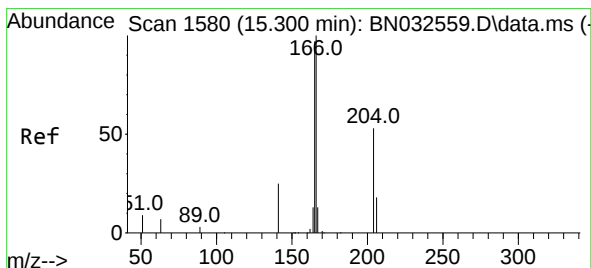
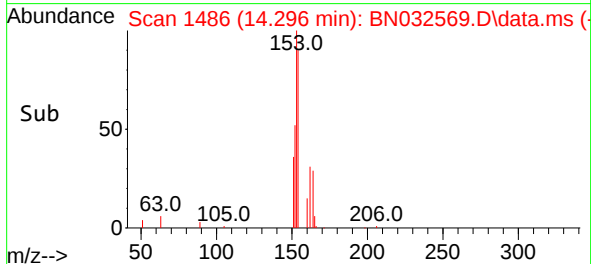
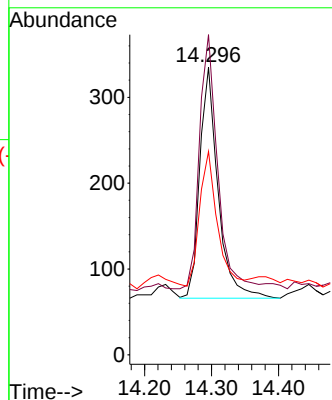
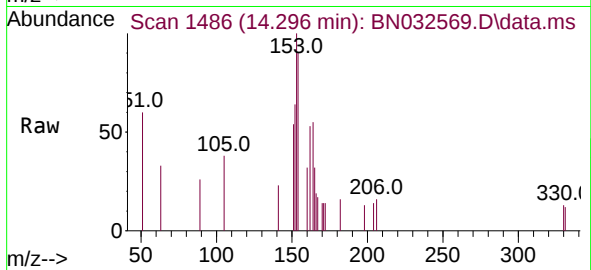




#17
Acenaphthene
Concen: 0.021 ng
RT: 14.296 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

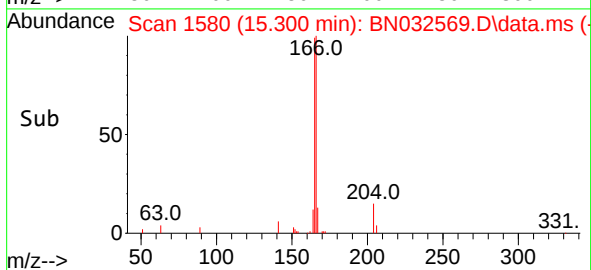
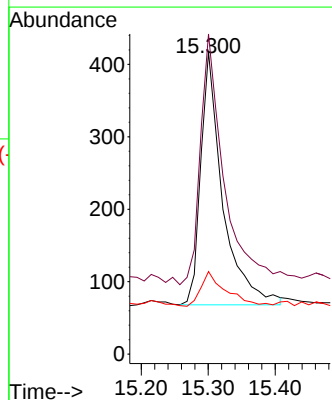
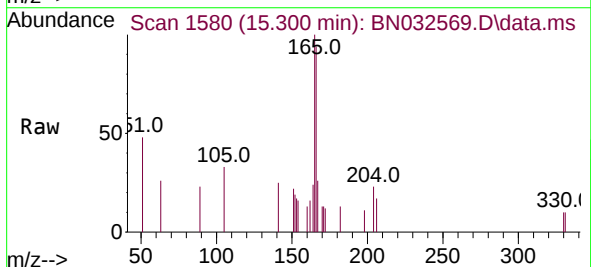
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

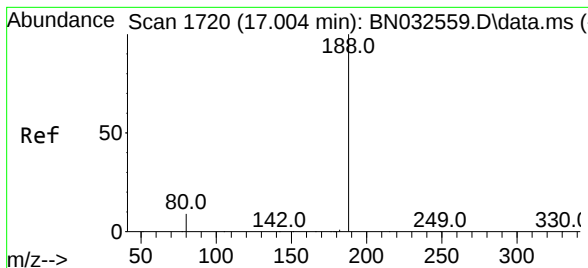
Tgt Ion:	154	Resp:	511
Ion	Ratio	Lower	Upper
154	100		
153	110.4	90.9	136.3
152	54.4	44.4	66.6



#18
Fluorene
Concen: 0.024 ng
RT: 15.300 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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# 1

Delta R.T. -0.012 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720

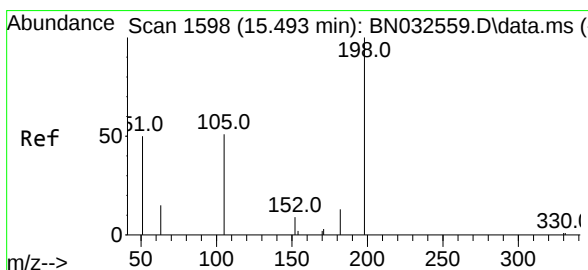
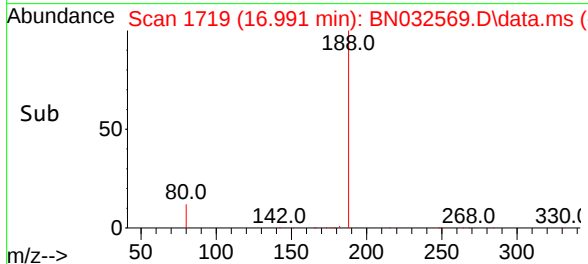
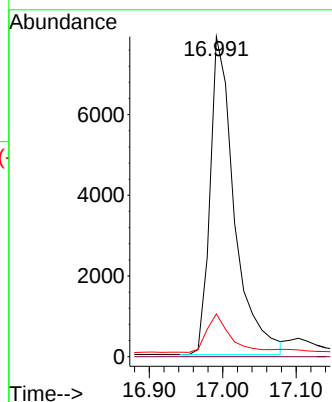
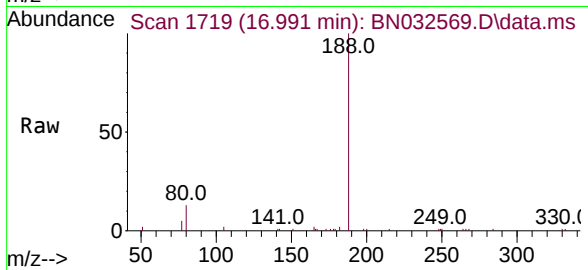
Tgt Ion:188 Resp: 18092

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.4 7.8 11.6#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.200 ng

RT: 15.461 min Scan# 1595

Delta R.T. -0.032 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

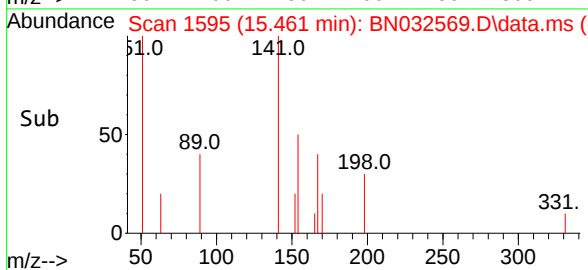
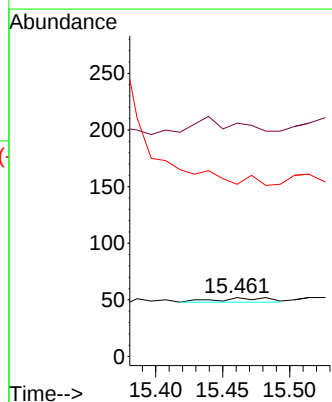
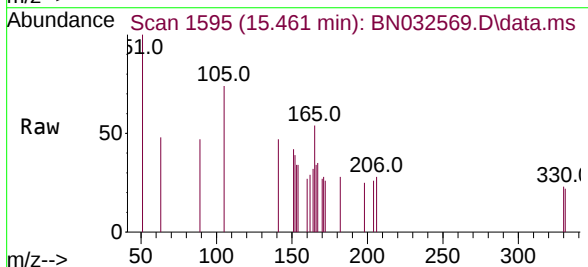
Tgt Ion:198 Resp: 10

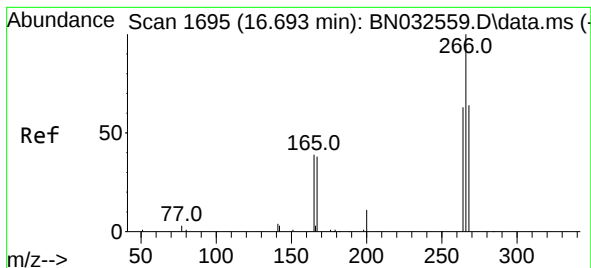
Ion Ratio Lower Upper

198 100

51 396.2 123.4 185.2#

105 292.3 79.5 119.3#





#24

Pentachlorophenol

Concen: 0.174 ng

RT: 16.706 min Scan# 1696

Delta R.T. 0.013 min

Lab File: BN032569.D

Acq: 09 Jul 2024 03:04

Instrument :

BNA_N

ClientSampleId :

BP-VPB-189-GW-718-720

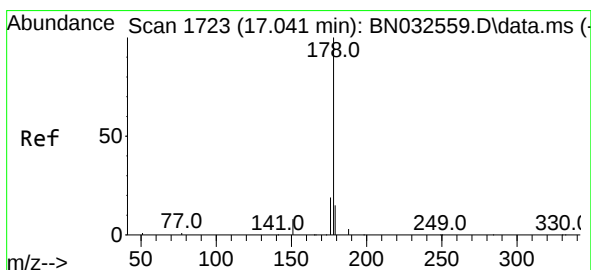
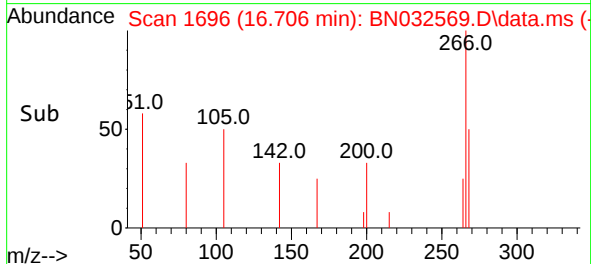
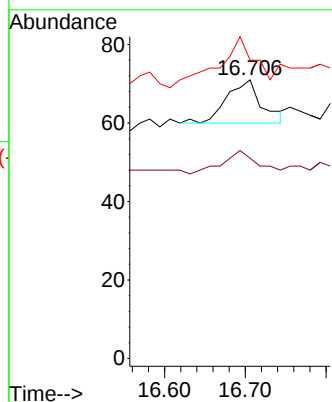
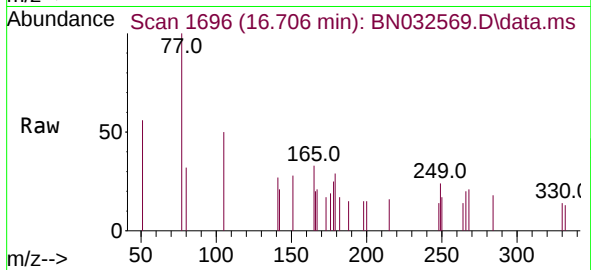
Tgt Ion:266 Resp: 33

Ion Ratio Lower Upper

266 100

264 54.5 49.6 74.4

268 127.3 52.2 78.2#



#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

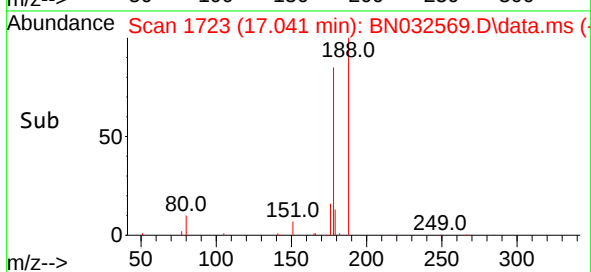
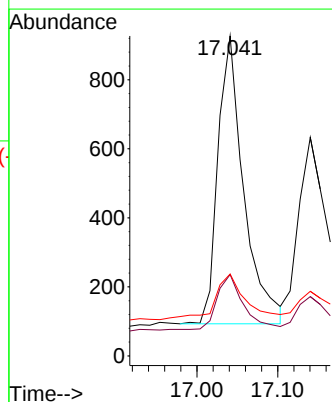
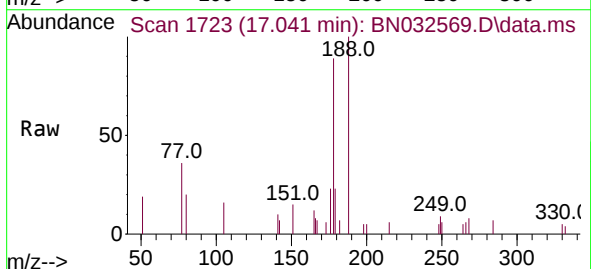
Tgt Ion:178 Resp: 1850

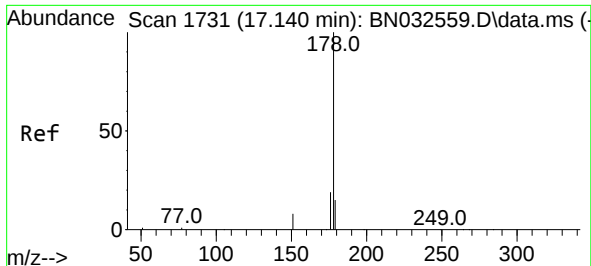
Ion Ratio Lower Upper

178 100

176 20.2 15.2 22.8

179 18.8 12.2 18.4#

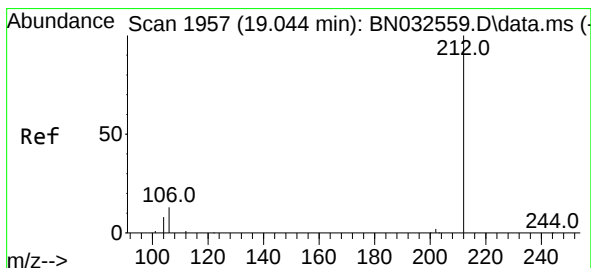
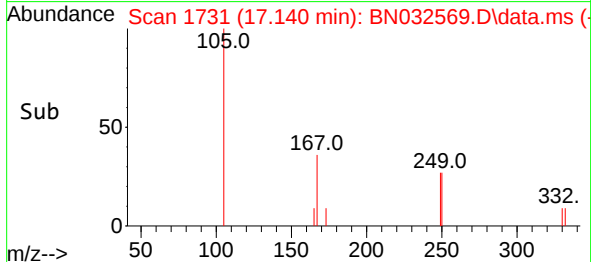
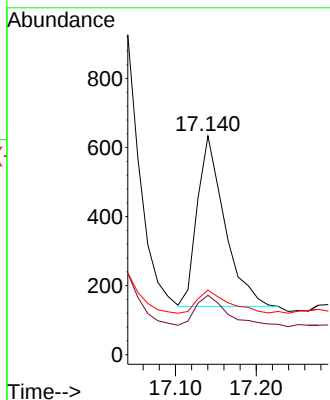
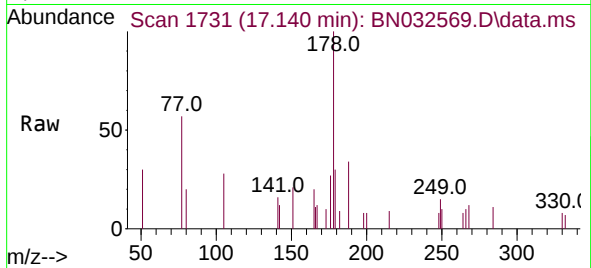




#26
 Anthracene
 Concen: 0.029 ng
 RT: 17.140 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN032569.D
 Acq: 09 Jul 2024 03:04

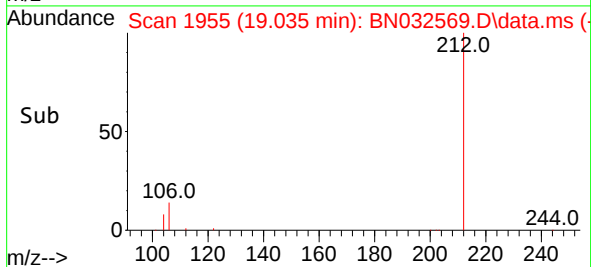
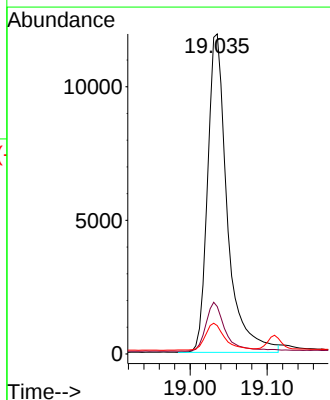
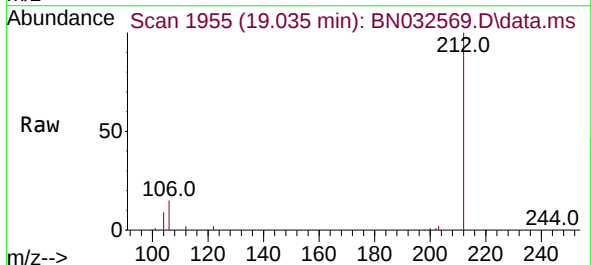
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-189-GW-718-720

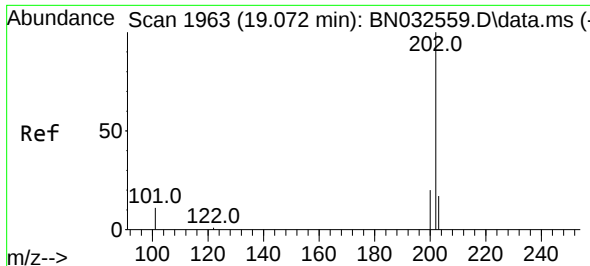
Tgt Ion:178 Resp: 1162
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.4
 179 15.1 11.9 17.9



#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

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

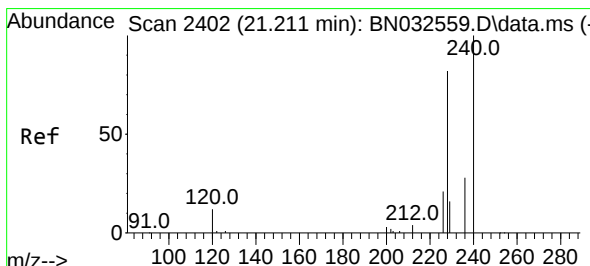
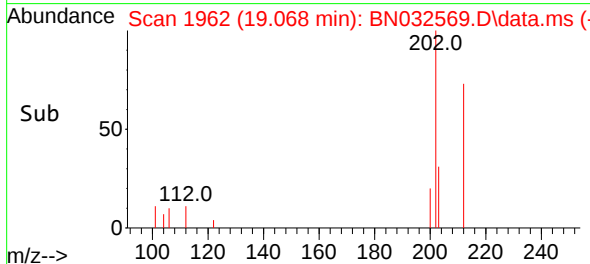
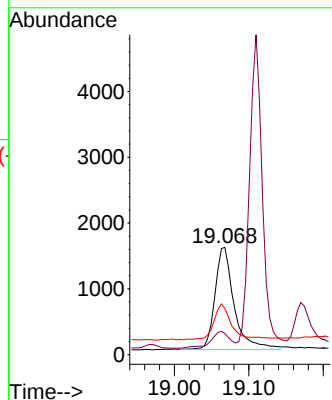
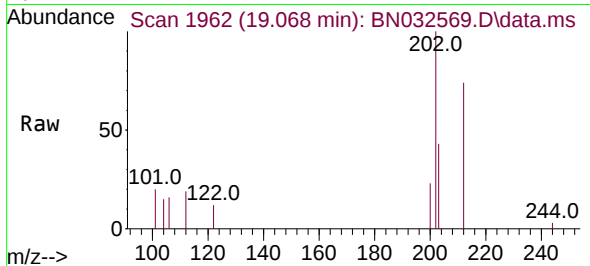




#28
Fluoranthene
Concen: 0.047 ng
RT: 19.068 min Scan# 1962
Delta R.T. -0.005 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

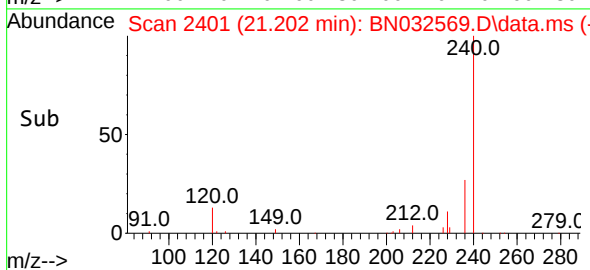
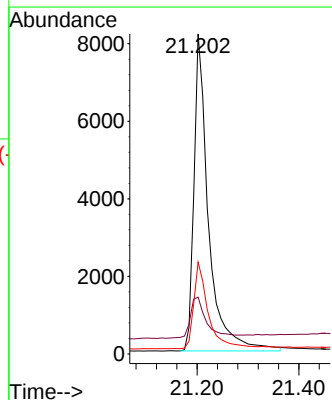
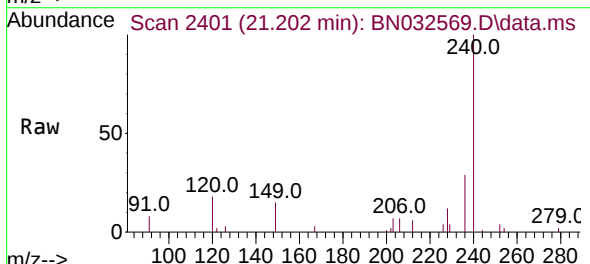
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

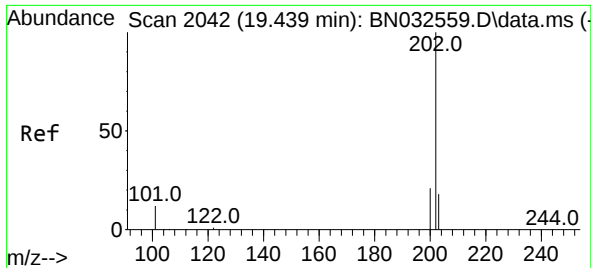
Tgt Ion:202 Resp: 2773
Ion Ratio Lower Upper
202 100
101 16.3 9.5 14.3#
203 33.1 13.8 20.6#



#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

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

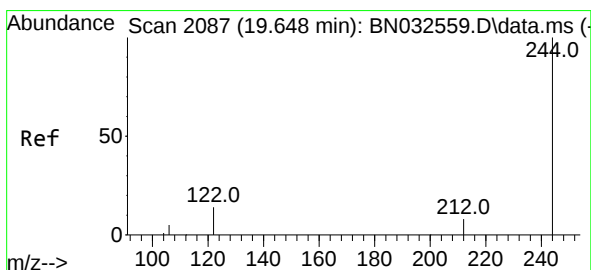
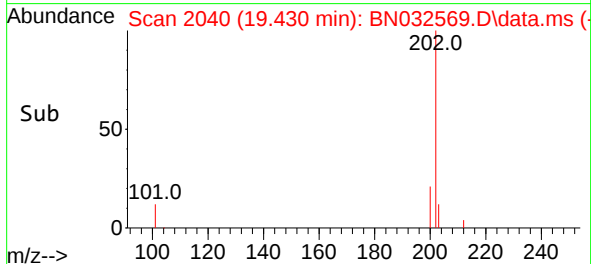
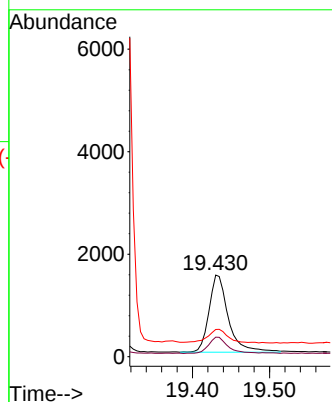
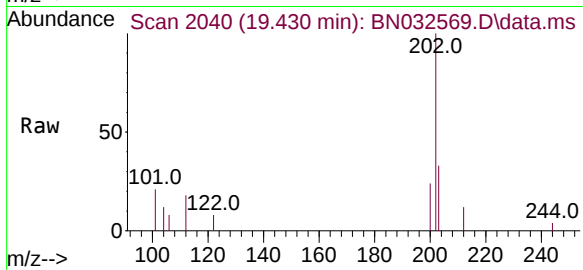




#30
Pyrene
Concen: 0.040 ng
RT: 19.430 min Scan# 2042
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

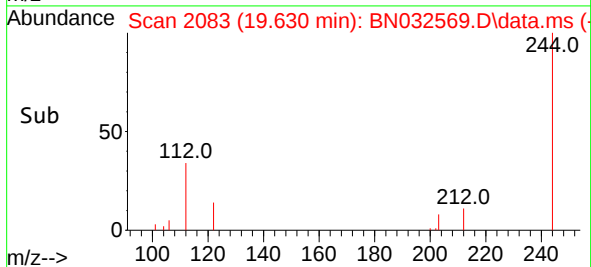
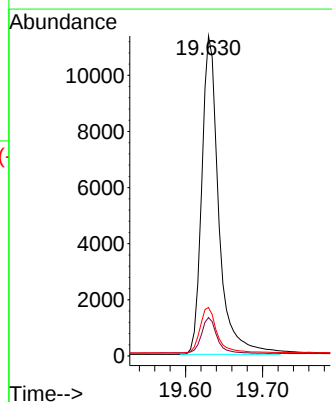
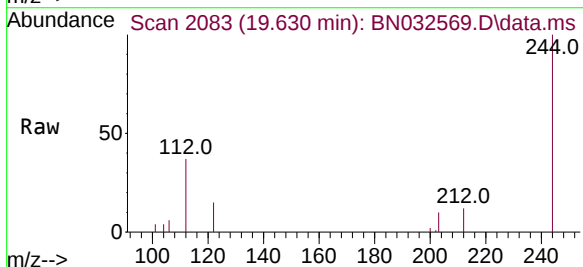
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

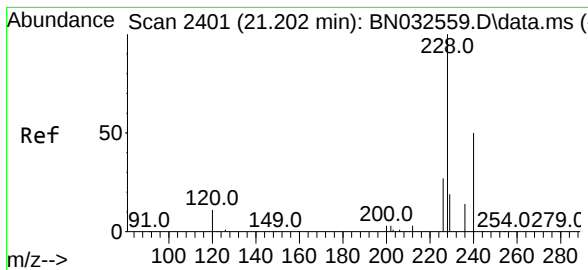
Tgt Ion:202 Resp: 2632
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 18.7 14.4 21.6



#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

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

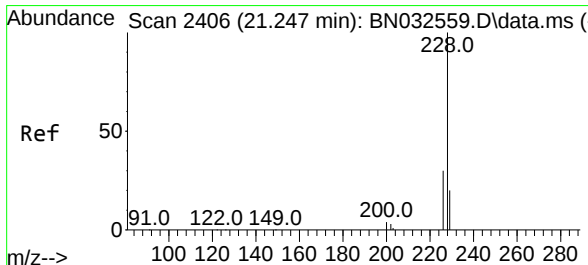
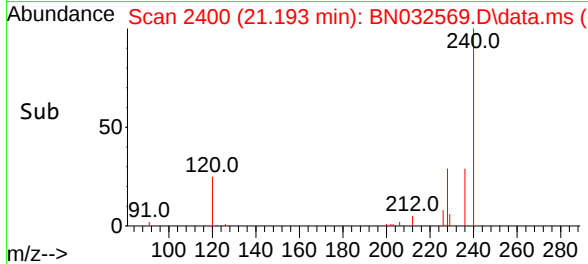
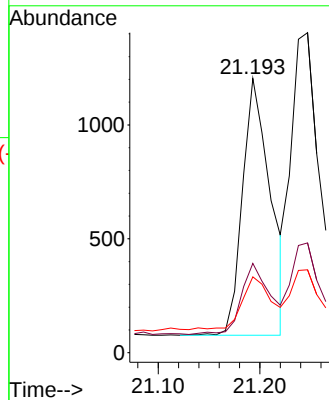
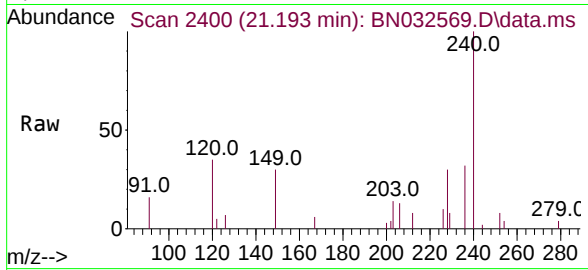




#32
Benzo(a)anthracene
Concen: 0.040 ng
RT: 21.193 min Scan# 2400
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

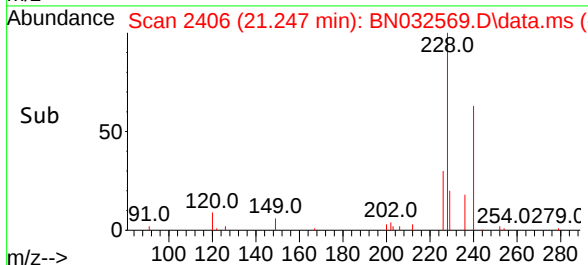
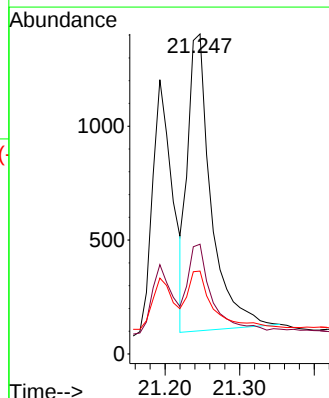
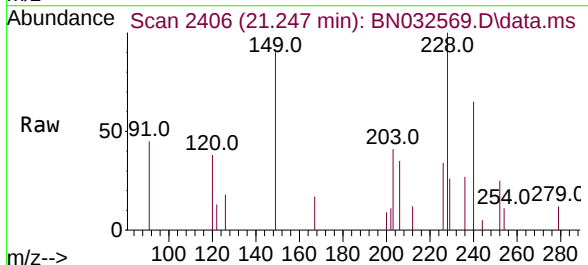
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

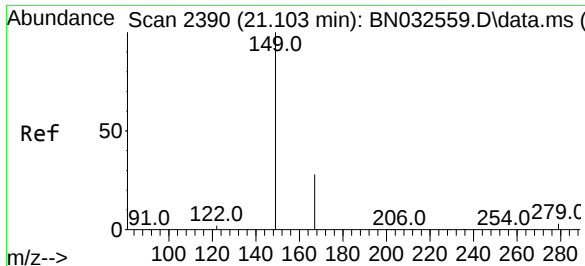
Tgt Ion:228 Resp: 2140
Ion Ratio Lower Upper
228 100
226 32.6 21.7 32.5#
229 27.7 16.0 24.0#



#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

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#

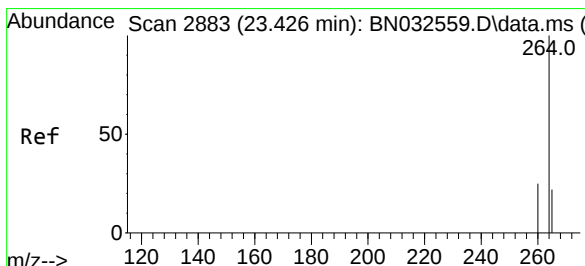
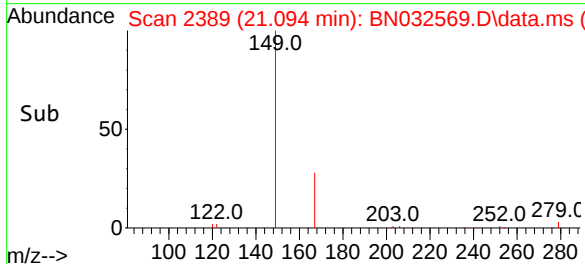
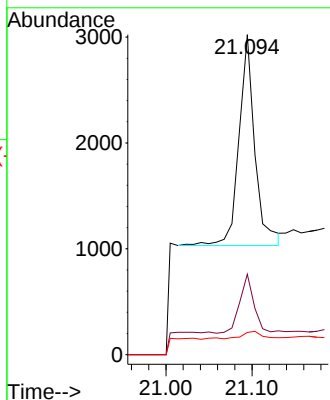
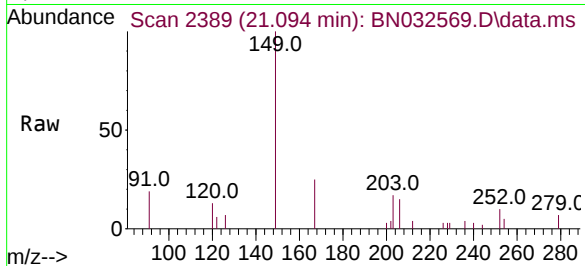




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.071 ng
RT: 21.094 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

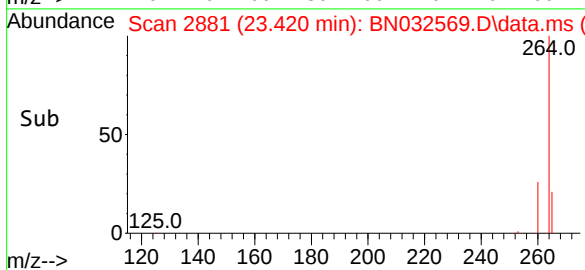
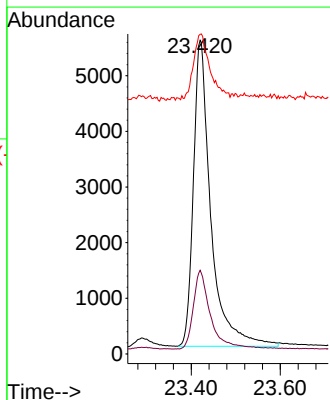
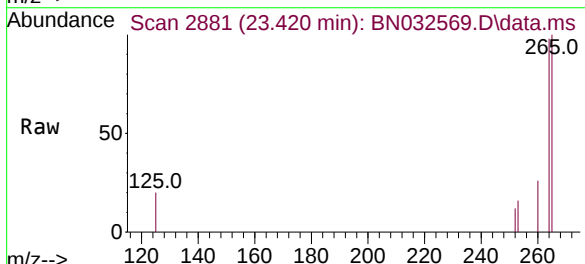
Instrument :
BNA_N
ClientSampleId :
BP-VPB-189-GW-718-720

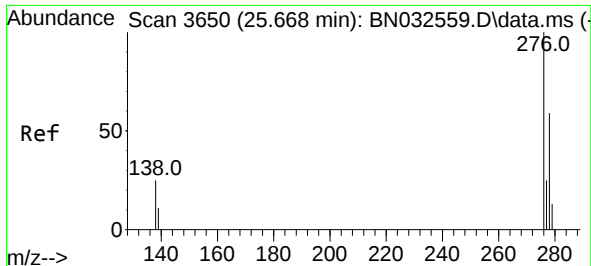
Tgt Ion:149 Resp: 2577
Ion Ratio Lower Upper
149 100
167 25.9 21.6 32.4
279 2.7 3.0 4.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.420 min Scan# 2881
Delta R.T. -0.006 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

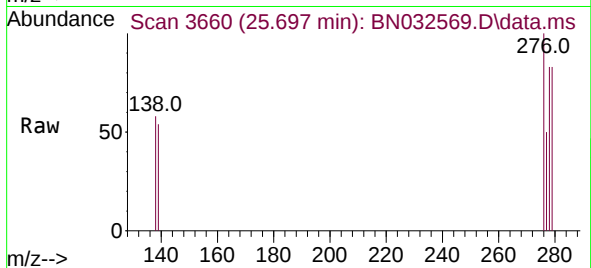
Tgt Ion:264 Resp: 14982
Ion Ratio Lower Upper
264 100
260 26.7 21.0 31.6
265 101.9 76.6 115.0



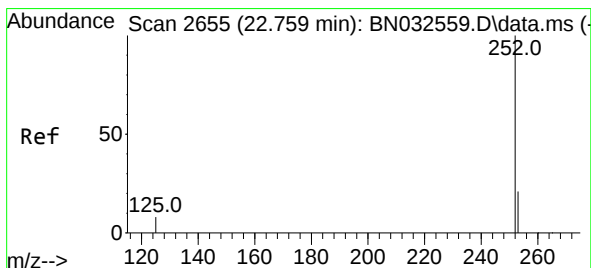
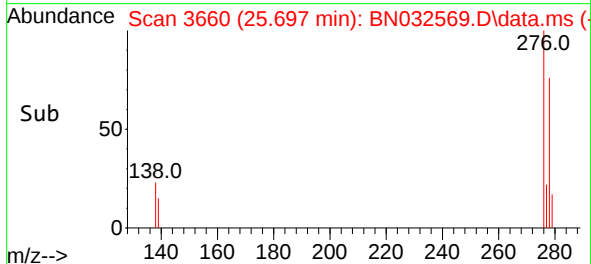
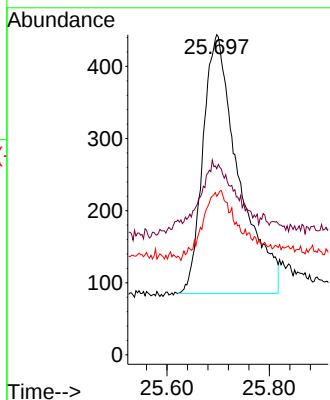


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.030 ng
RT: 25.697 min Scan# 3660
Delta R.T. 0.029 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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

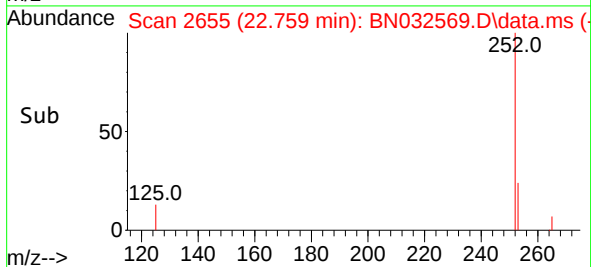
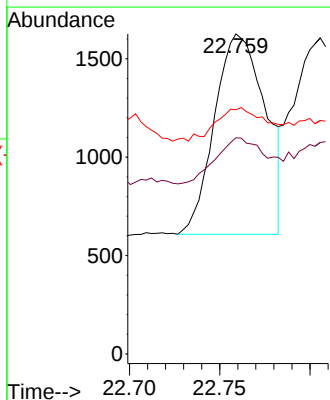
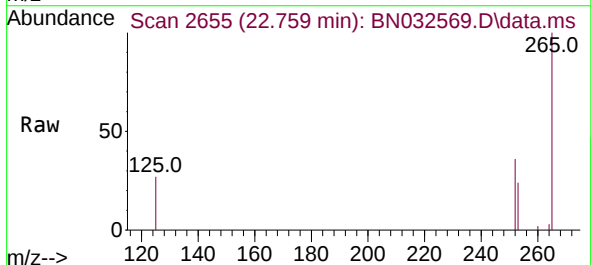


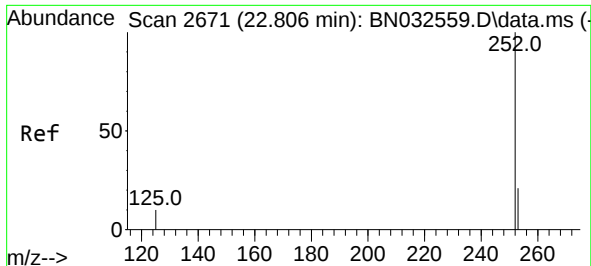
Tgt Ion:276 Resp: 1730
Ion Ratio Lower Upper
276 100
138 9.0 21.4 32.0#
277 11.2 19.9 29.9#



#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

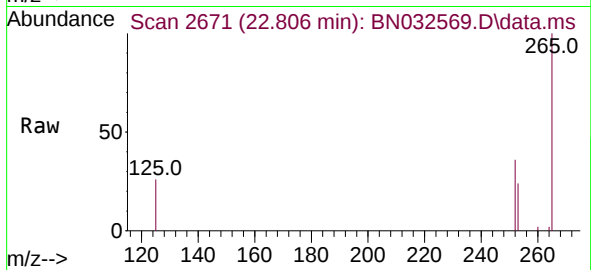
Tgt Ion:252 Resp: 1991
Ion Ratio Lower Upper
252 100
253 67.5 22.2 33.4#
125 76.3 15.4 23.0#



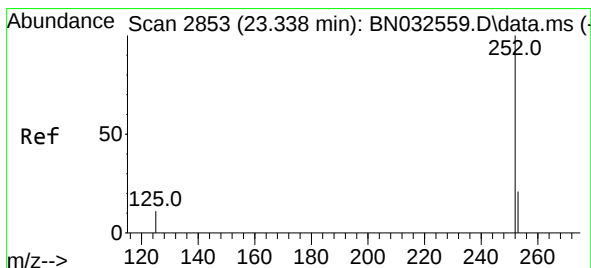
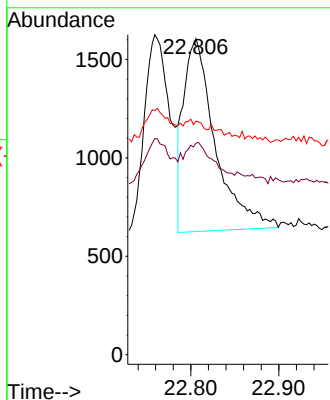


#38
Benzo(k)fluoranthene
Concen: 0.043 ng
RT: 22.806 min Scan# 2671
Delta R.T. 0.000 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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

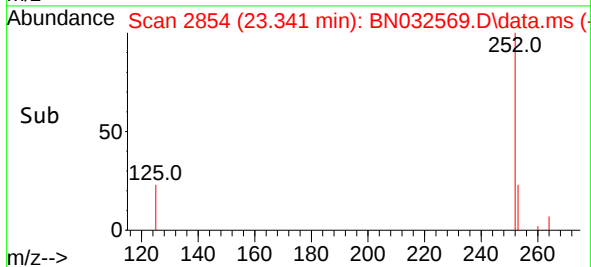
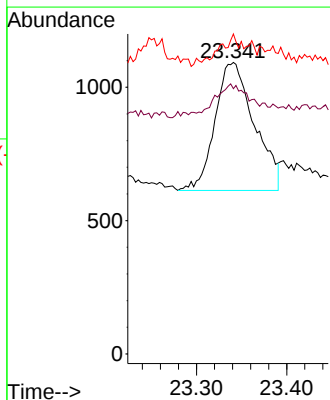
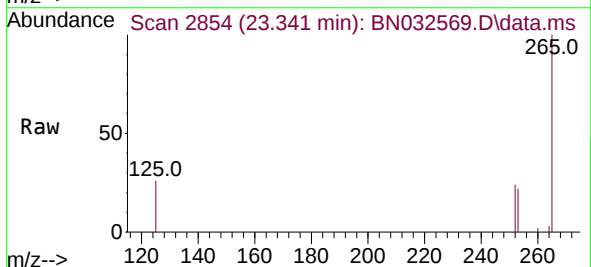


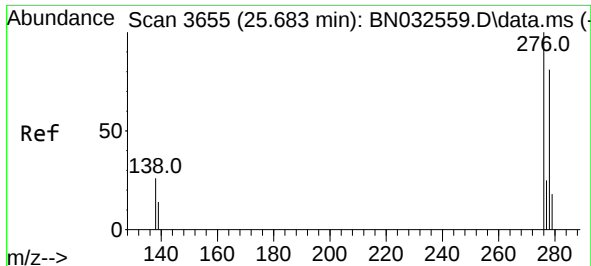
Tgt Ion:252 Resp: 2454
Ion Ratio Lower Upper
252 100
253 66.9 21.9 32.9#
125 73.8 15.3 22.9#



#39
Benzo(a)pyrene
Concen: 0.031 ng
RT: 23.341 min Scan# 2854
Delta R.T. 0.003 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

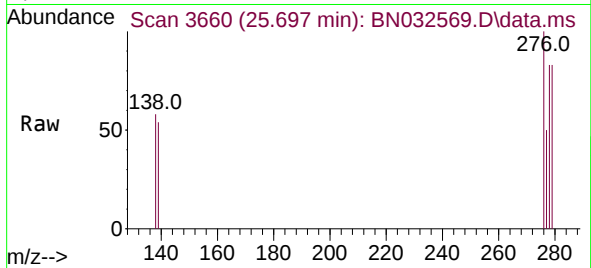
Tgt Ion:252 Resp: 1457
Ion Ratio Lower Upper
252 100
253 91.0 25.5 38.3#
125 109.8 20.7 31.1#



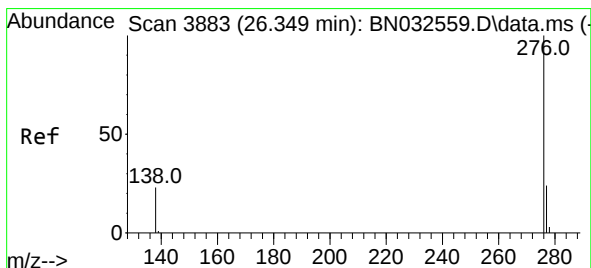
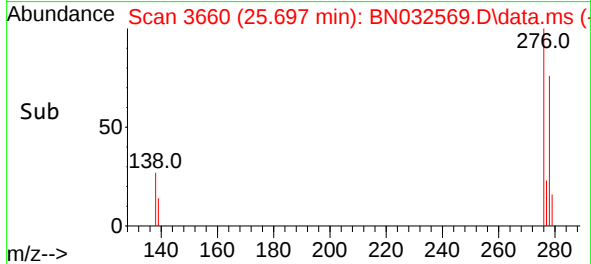
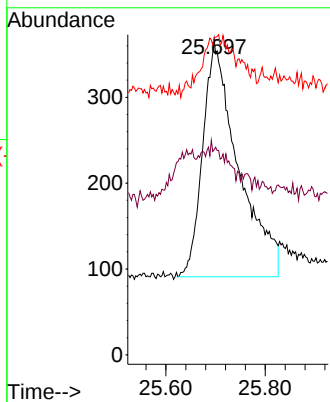


#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 25.697 min Scan# 3660
Delta R.T. 0.015 min
Lab File: BN032569.D
Acq: 09 Jul 2024 03:04

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#

