

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021624\
 Data File : BN029840.D
 Acq On : 16 Feb 2024 23:13
 Operator : MA/JU
 Sample : P1439-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-195-GW-800-802

Quant Time: Feb 17 00:38:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 23:52:05 2024
 Response via : Initial Calibration

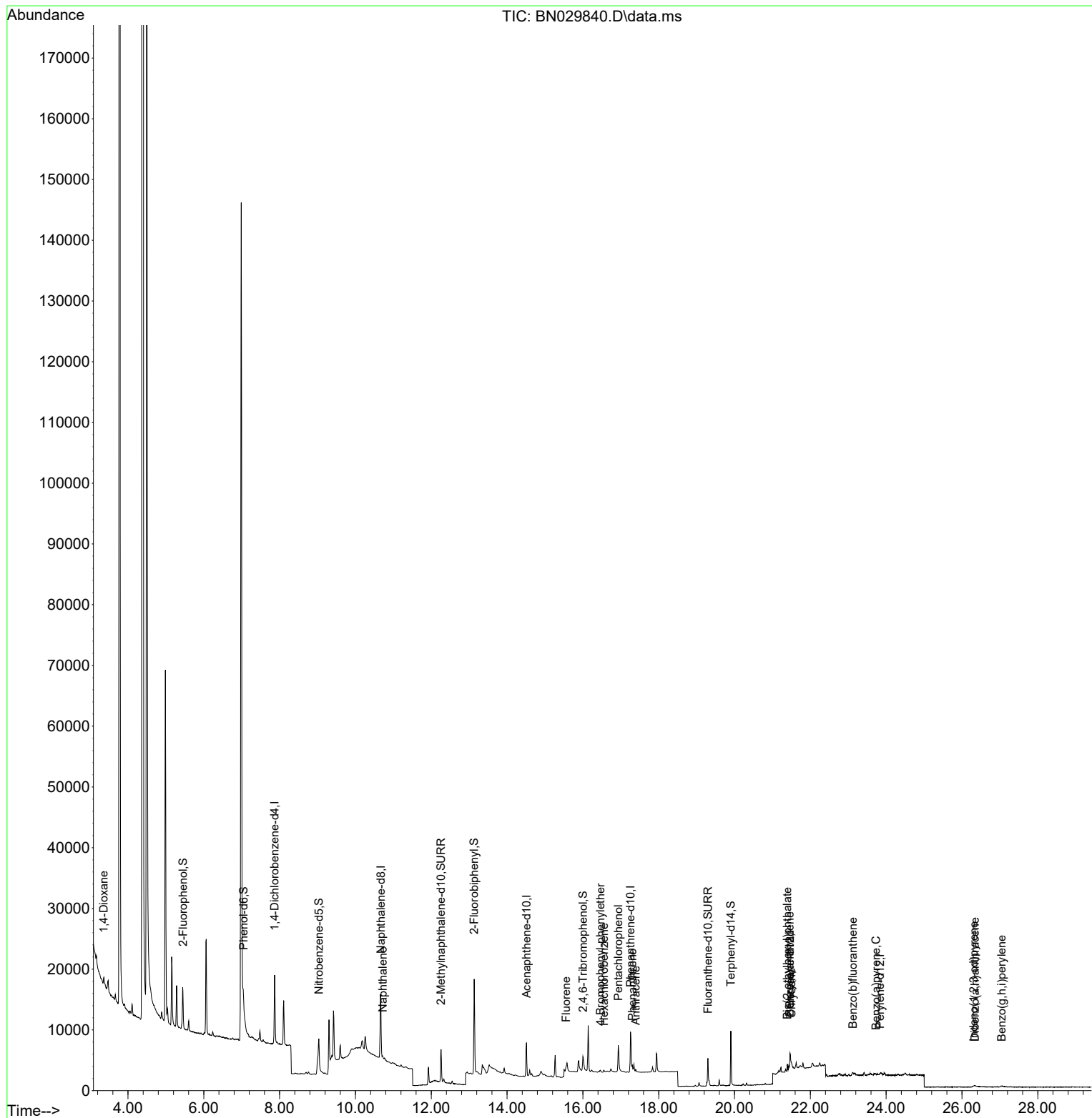
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	5525	0.400	ng	0.00
7) Naphthalene-d8	10.669	136	15481	0.400	ng	# 0.00
13) Acenaphthene-d10	14.511	164	3110	0.400	ng	0.00
19) Phenanthrene-d10	17.255	188	10497	0.400	ng	# 0.00
29) Chrysene-d12	21.465	240	4420	0.400	ng	0.00
35) Perylene-d12	23.841	264	545	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.449	112	5402	0.407	ng	0.00
5) Phenol-d6	7.046	99	3662	0.239	ng	0.00
8) Nitrobenzene-d5	9.035	82	5140	0.399	ng	0.00
11) 2-Methylnaphthalene-d10	12.257	152	7212	0.342	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	1285	1.288	ng	0.00
15) 2-Fluorobiphenyl	13.132	172	13544	1.014	ng	0.00
27) Fluoranthene-d10	19.299	212	5545	0.218	ng	0.00
31) Terphenyl-d14	19.903	244	9329	0.850	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.362	88	1000	0.129	ng	# 41
9) Naphthalene	10.722	128	965	0.022	ng	# 67
18) Fluorene	15.555	166	532	0.043	ng	# 78
21) 4-Bromophenyl-phenylether	16.461	248	142	0.023	ng	# 86
22) Hexachlorobenzene	16.560	284	289	0.038	ng	93
24) Pentachlorophenol	16.933	266	436	0.180	ng	# 1
25) Phenanthrene	17.305	178	1175	0.038	ng	# 94
26) Anthracene	17.392	178	530	0.020	ng	96
32) Benzo(a)anthracene	21.456	228	434	0.029	ng	# 64
33) Chrysene	21.501	228	867	0.051	ng	# 75
34) Bis(2-ethylhexyl)phtha...	21.394	149	1136	0.110	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.309	276	219	0.100	ng	# 63
37) Benzo(b)fluoranthene	23.125	252	804	0.413	ng	# 1
39) Benzo(a)pyrene	23.730	252	212	0.125	ng	# 1
40) Dibenzo(a,h)anthracene	26.338	278	165	0.095	ng	# 1
41) Benzo(g,h,i)perylene	27.045	276	473	0.223	ng	# 18

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

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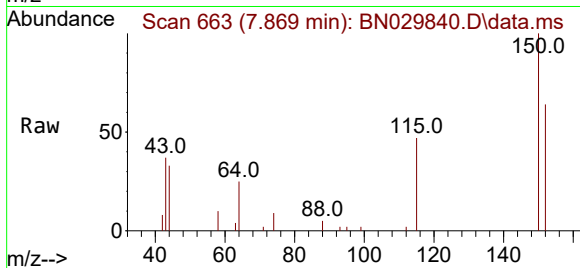
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
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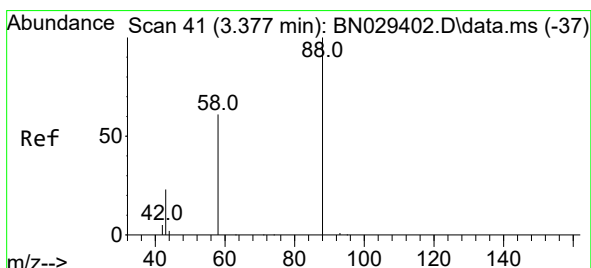
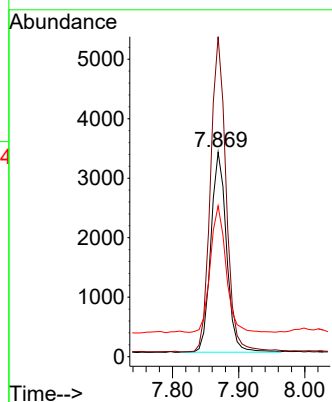
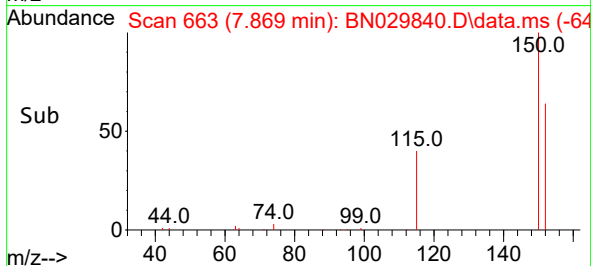


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.869 min Scan# 6
 Delta R.T. -0.000 min
 Lab File: BN029840.D
 Acq: 16 Feb 2024 23:13

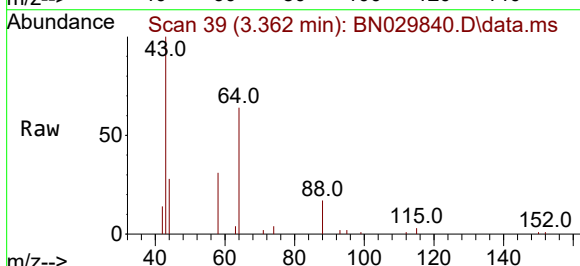
Instrument :
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 ClientSampleId :
 BP-VPB-195-GW-800-802



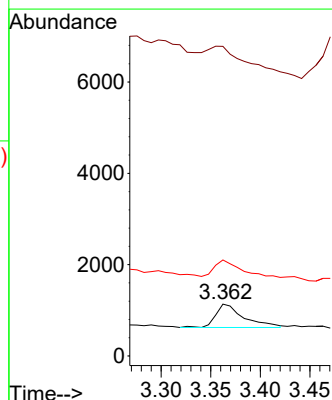
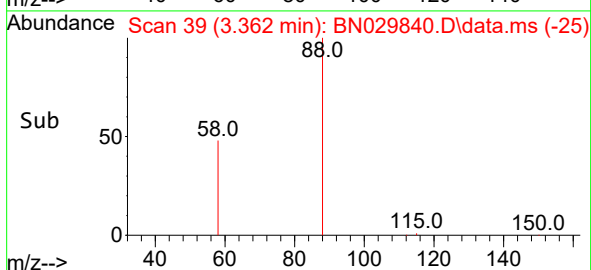
Tgt Ion:152 Resp: 5525
 Ion Ratio Lower Upper
 152 100
 150 156.5 123.0 184.4
 115 73.8 51.4 77.0



#2
 1,4-Dioxane
 Concen: 0.129 ng
 RT: 3.362 min Scan# 39
 Delta R.T. 0.000 min
 Lab File: BN029840.D
 Acq: 16 Feb 2024 23:13



Tgt Ion: 88 Resp: 1000
 Ion Ratio Lower Upper
 88 100
 43 129.5 23.3 34.9#
 58 69.3 53.8 80.6





#4

2-Fluorophenol

Concen: 0.407 ng

RT: 5.449 min Scan# 31

Delta R.T. 0.007 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

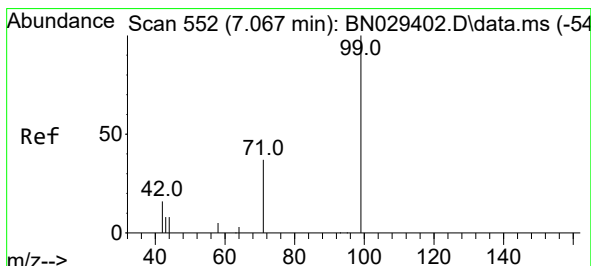
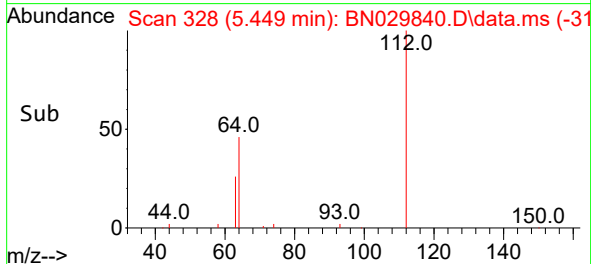
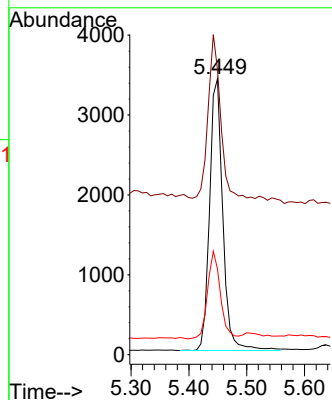
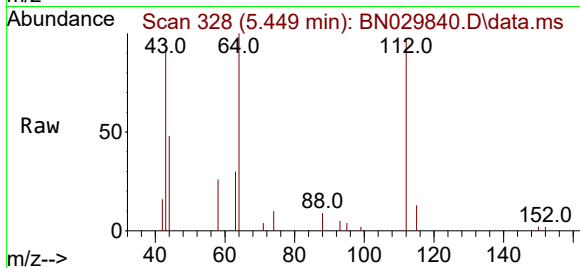
Tgt Ion:112 Resp: 5402

Ion Ratio Lower Upper

112 100

64 56.0 47.2 70.8

63 31.5 25.8 38.6



#5

Phenol-d6

Concen: 0.239 ng

RT: 7.046 min Scan# 549

Delta R.T. 0.007 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

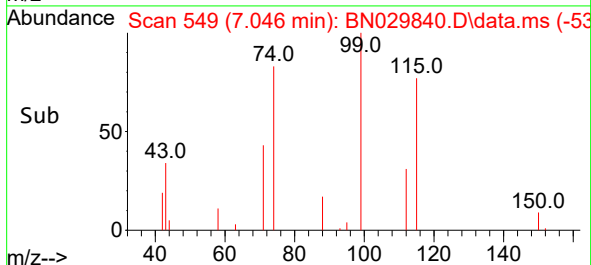
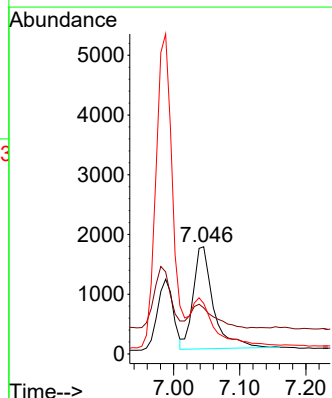
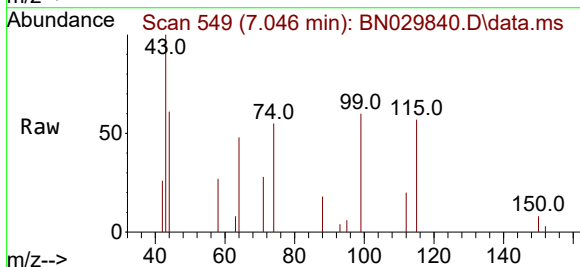
Tgt Ion: 99 Resp: 3662

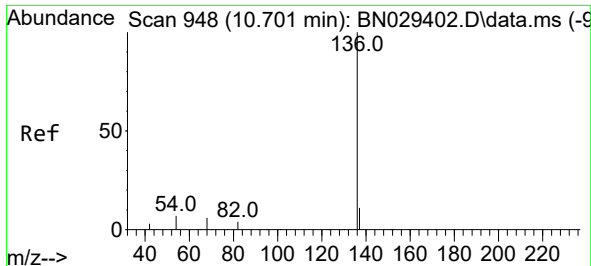
Ion Ratio Lower Upper

99 100

42 26.3 16.9 25.3#

71 53.2 30.0 45.0#

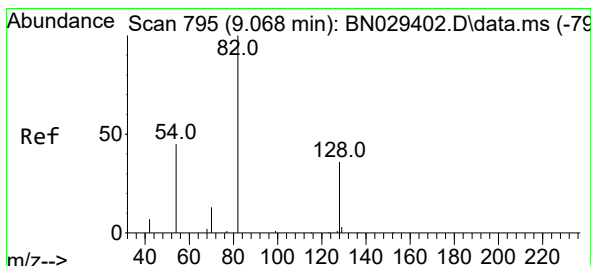
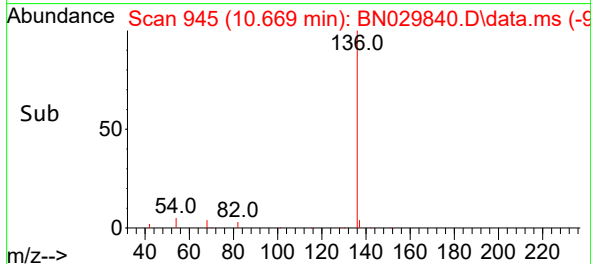
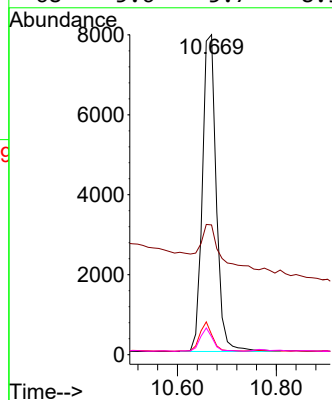
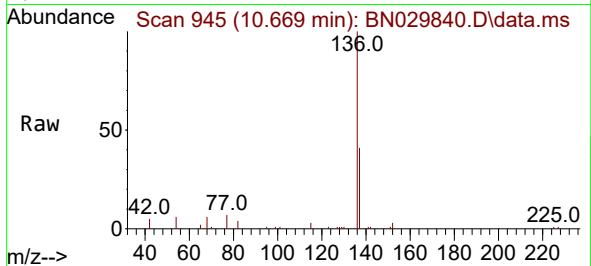




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.669 min Scan# 948
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

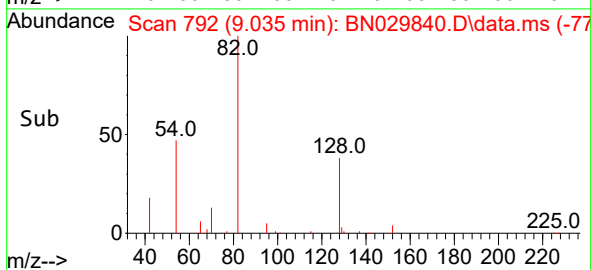
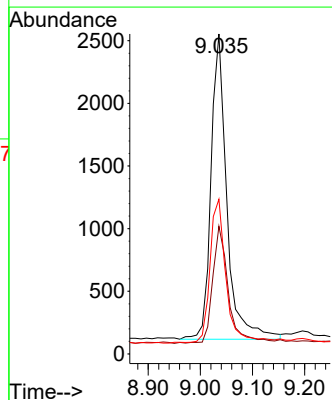
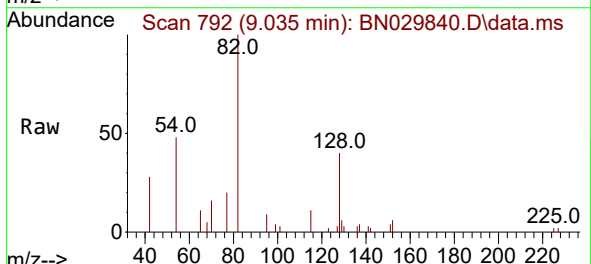
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802

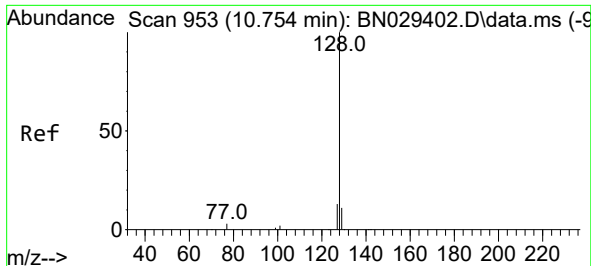
Tgt Ion:	136	Resp:	15481
Ion Ratio	Lower	Upper	
136	100		
137	40.5	9.7	14.5#
54	6.3	6.6	10.0#
68	5.6	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 9.035 min Scan# 792
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:	82	Resp:	5140
Ion Ratio	Lower	Upper	
82	100		
128	39.9	31.6	47.4
54	48.4	38.2	57.4

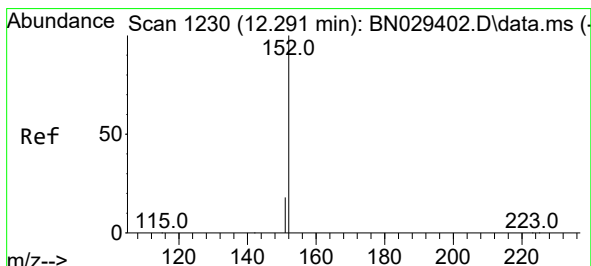
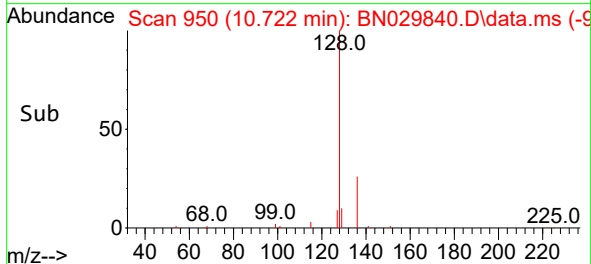
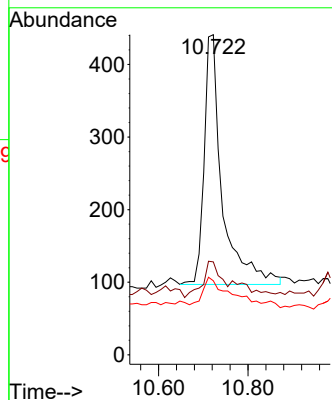
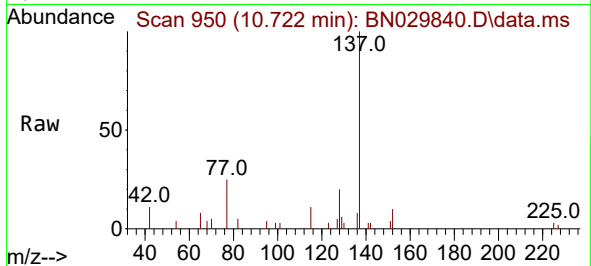




#9
Naphthalene
Concen: 0.022 ng
RT: 10.722 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

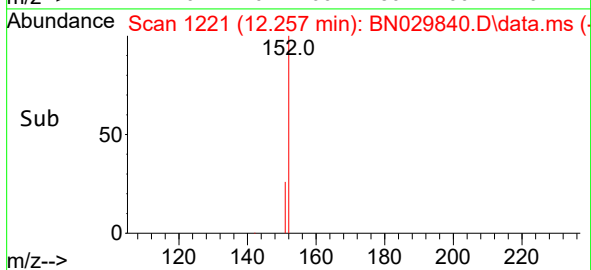
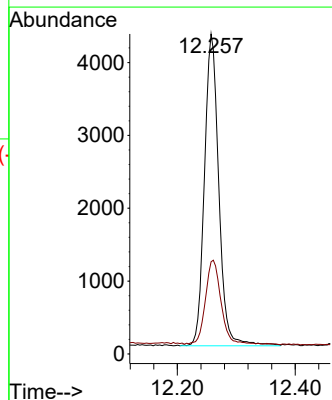
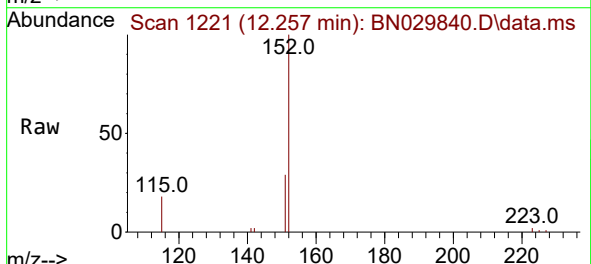
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802

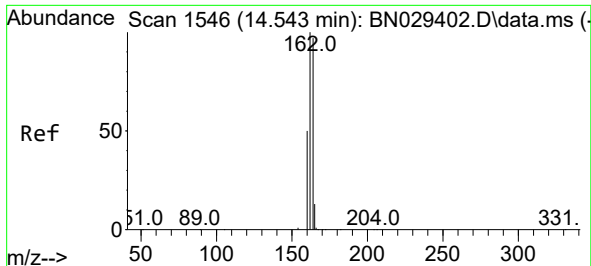
Tgt Ion:128 Resp: 965
Ion Ratio Lower Upper
128 100
129 29.0 9.5 14.3#
127 23.1 10.8 16.2#



#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 12.257 min Scan# 1221
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:152 Resp: 7212
Ion Ratio Lower Upper
152 100
151 29.1 17.1 25.7#

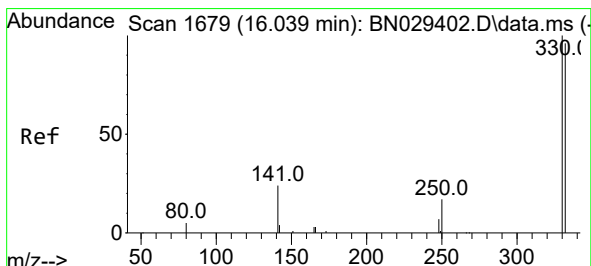
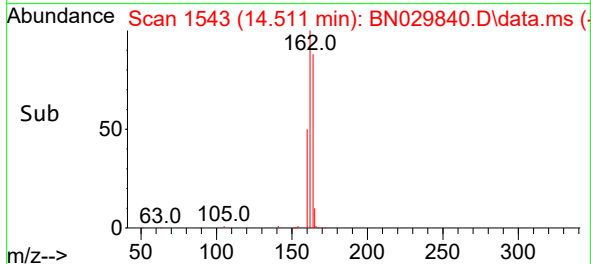
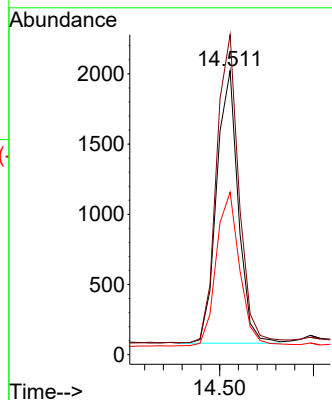
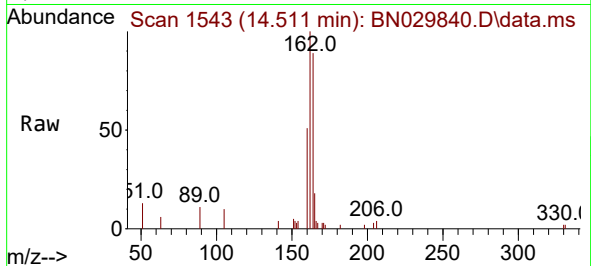




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.511 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

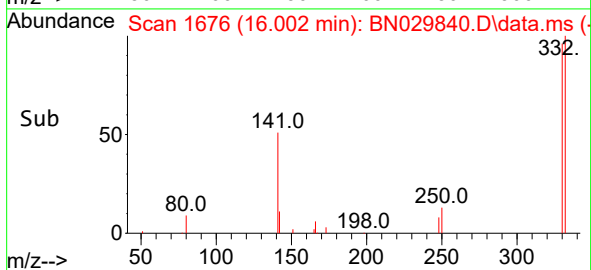
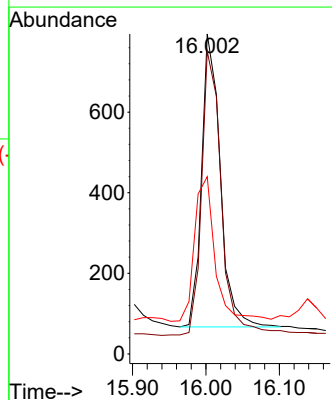
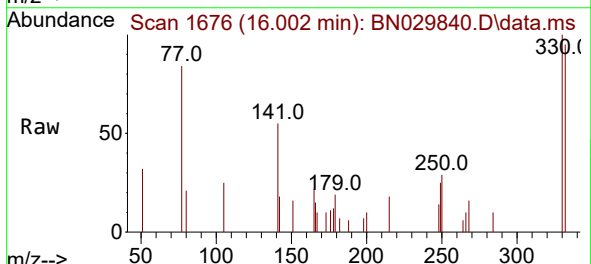
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BP-VPB-195-GW-800-802

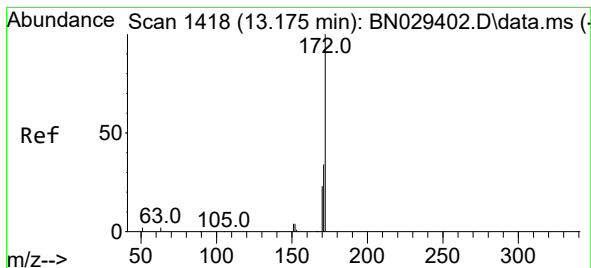
Tgt Ion:164 Resp: 3110
Ion Ratio Lower Upper
164 100
162 112.7 82.6 123.8
160 57.2 41.5 62.3



#14
2,4,6-Tribromophenol
Concen: 1.288 ng
RT: 16.002 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:330 Resp: 1285
Ion Ratio Lower Upper
330 100
332 101.8 76.0 114.0
141 54.2 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 1.014 ng

RT: 13.132 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

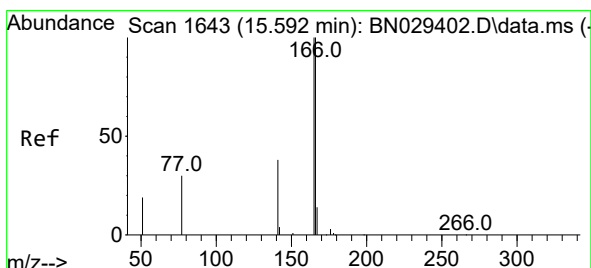
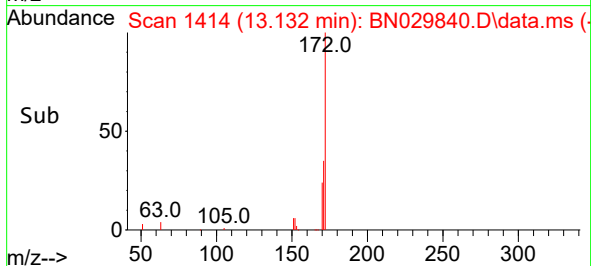
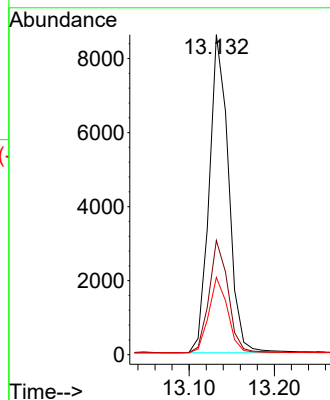
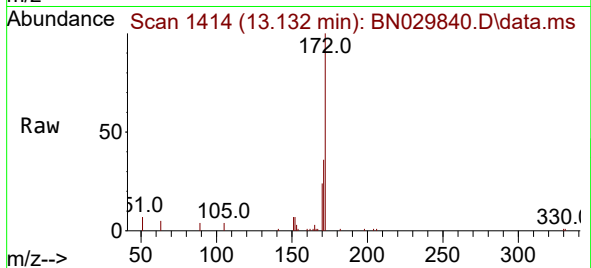
Tgt Ion:172 Resp: 13544

Ion Ratio Lower Upper

172 100

171 35.7 28.0 42.0

170 24.2 18.7 28.1



#18

Fluorene

Concen: 0.043 ng

RT: 15.555 min Scan# 1640

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

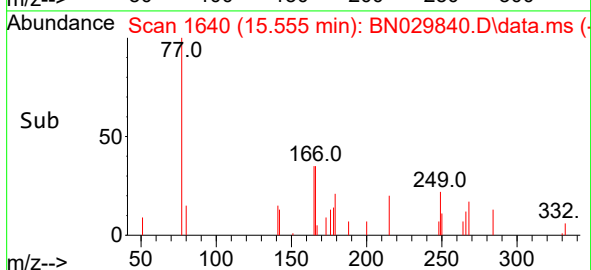
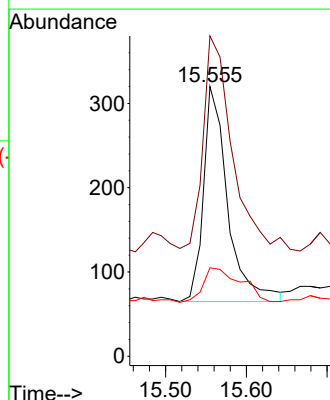
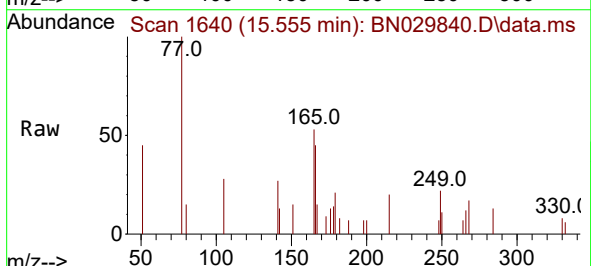
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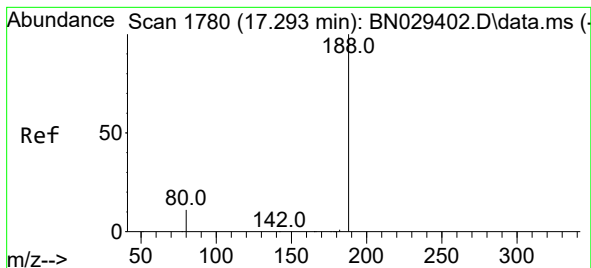
Ion Ratio Lower Upper

166 100

165 121.4 79.9 119.9#

167 25.9 11.3 16.9#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

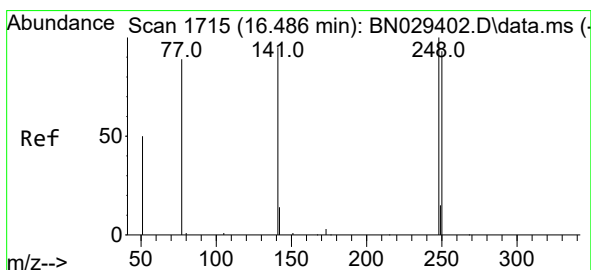
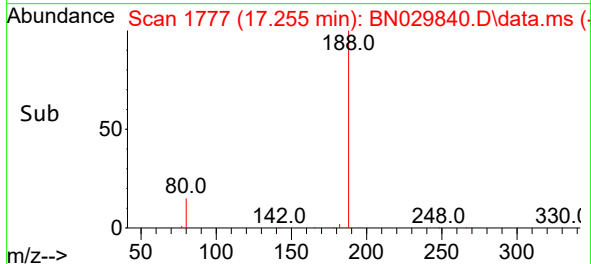
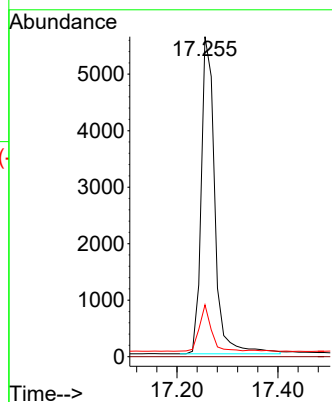
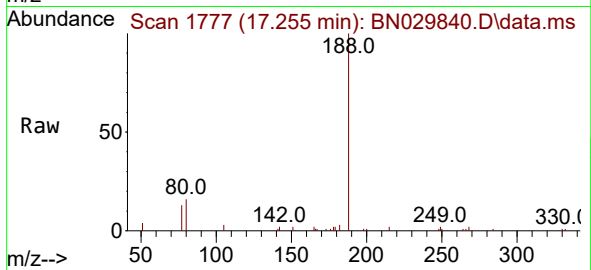
Tgt Ion:188 Resp: 10497

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 16.2 10.0 15.0#



#21

4-Bromophenyl-phenylether

Concen: 0.023 ng

RT: 16.461 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

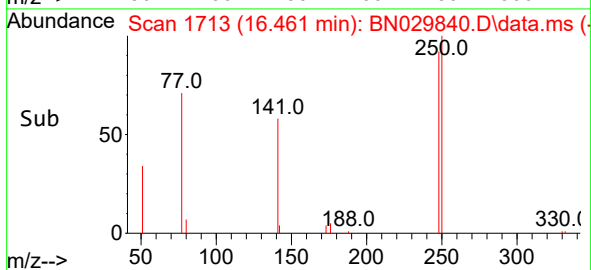
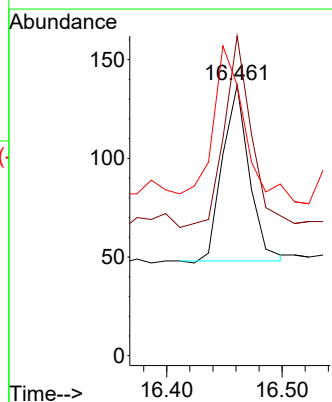
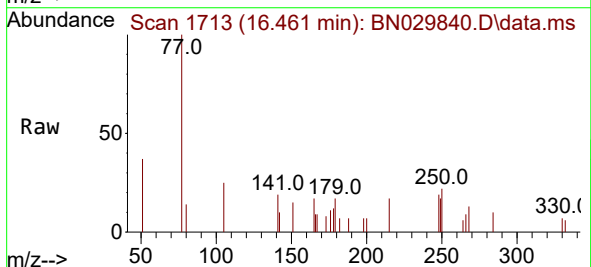
Tgt Ion:248 Resp: 142

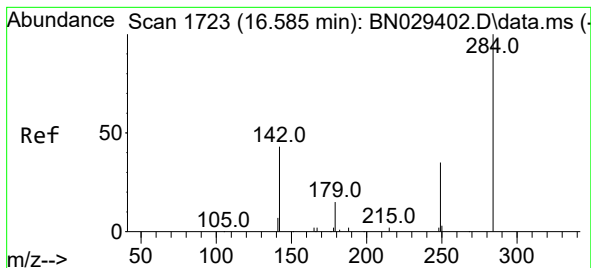
Ion Ratio Lower Upper

248 100

250 118.2 75.0 112.4#

141 100.0 77.0 115.6





#22

Hexachlorobenzene

Concen: 0.038 ng

RT: 16.560 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

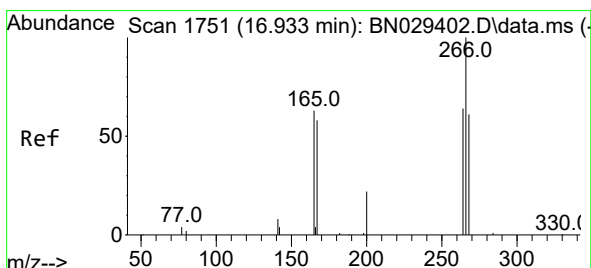
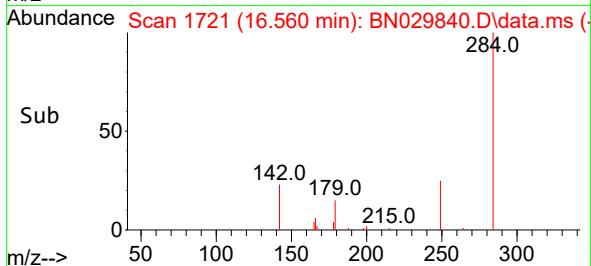
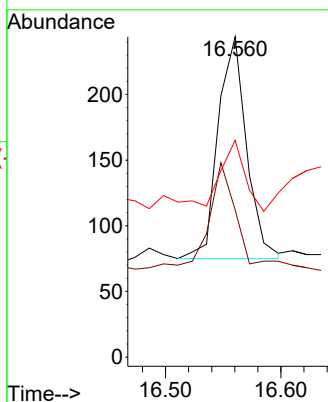
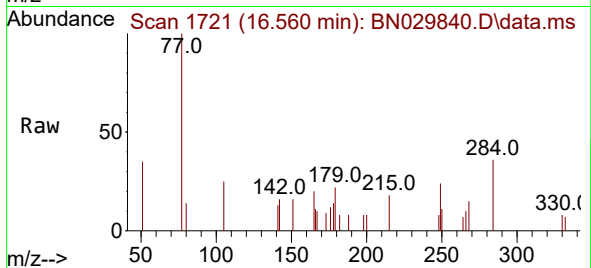
Tgt Ion:284 Resp: 289

Ion Ratio Lower Upper

284 100

142 45.0 39.4 59.2

249 29.1 26.9 40.3



#24

Pentachlorophenol

Concen: 0.180 ng

RT: 16.933 min Scan# 1751

Delta R.T. 0.025 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

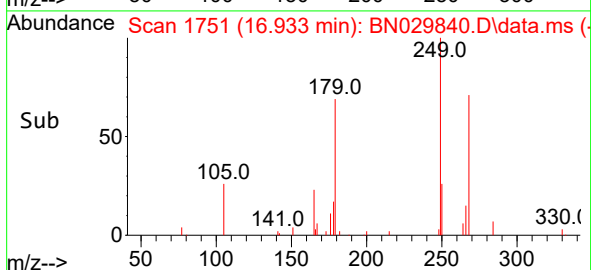
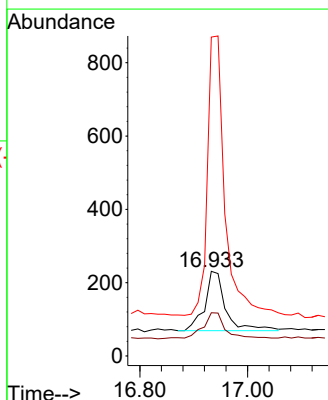
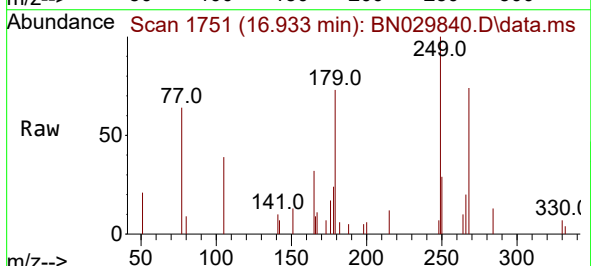
Tgt Ion:266 Resp: 436

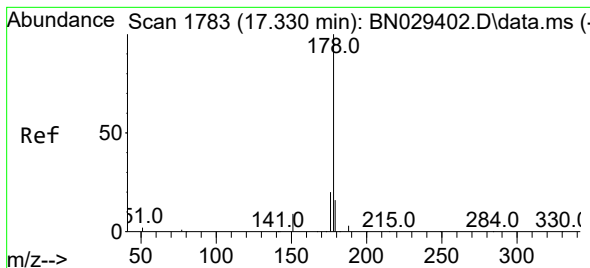
Ion Ratio Lower Upper

266 100

264 48.4 50.8 76.2#

268 391.5 51.5 77.3#





#25

Phenanthrene

Concen: 0.038 ng

RT: 17.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN029840.D

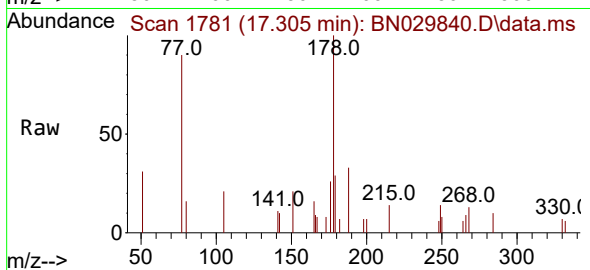
Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802



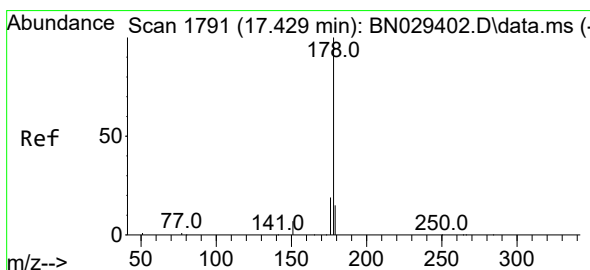
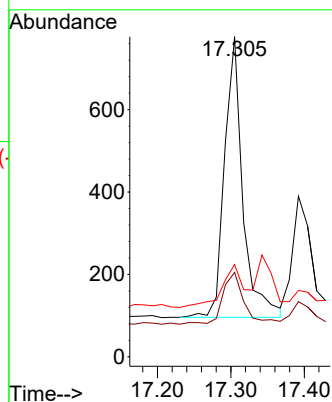
Tgt Ion:178 Resp: 1175

Ion Ratio Lower Upper

178 100

176 21.8 15.8 23.6

179 19.1 12.6 19.0#



#26

Anthracene

Concen: 0.020 ng

RT: 17.392 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

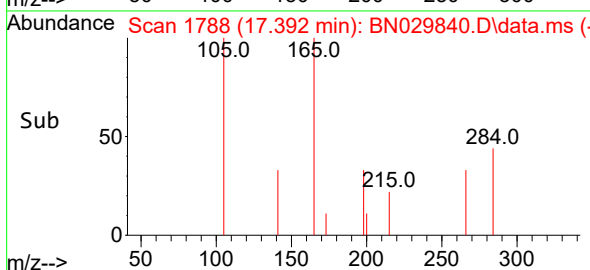
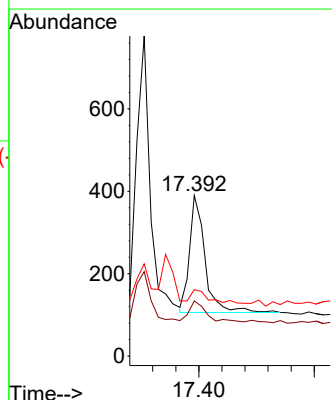
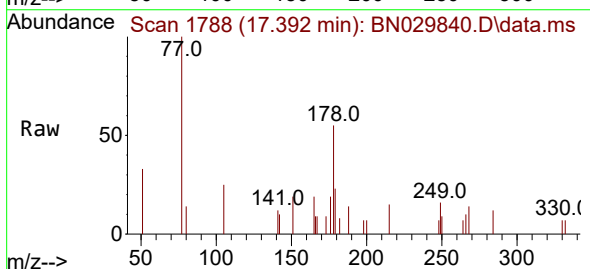
Tgt Ion:178 Resp: 530

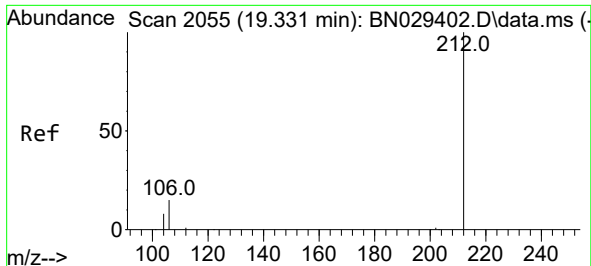
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 12.5 12.3 18.5

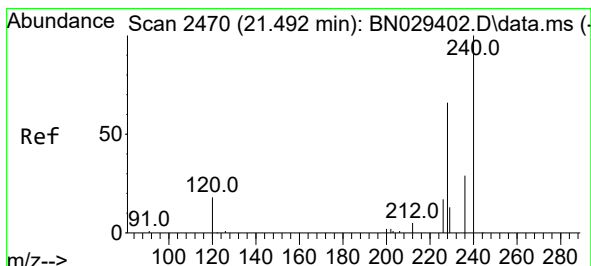
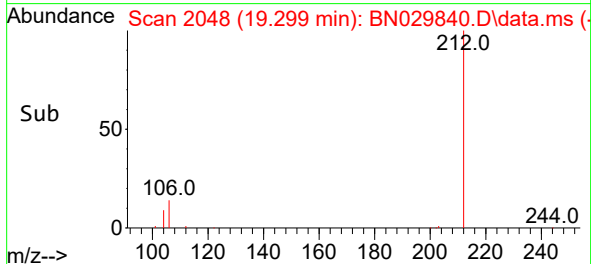
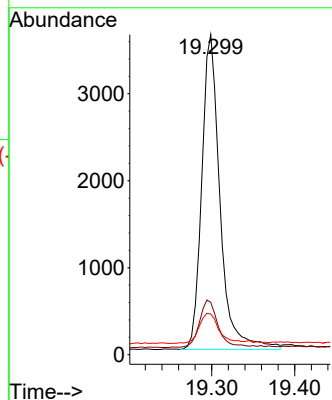
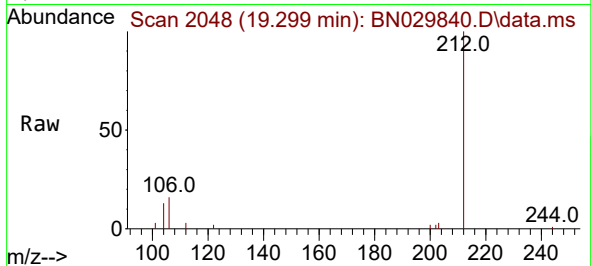




#27
Fluoranthene-d10
Concen: 0.218 ng
RT: 19.299 min Scan# 2048
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

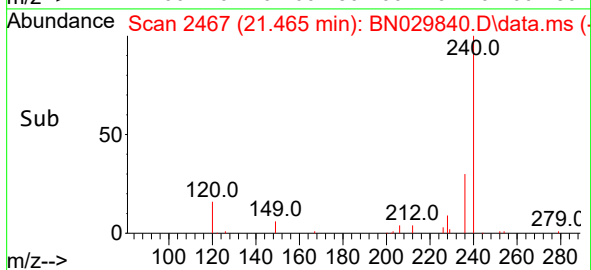
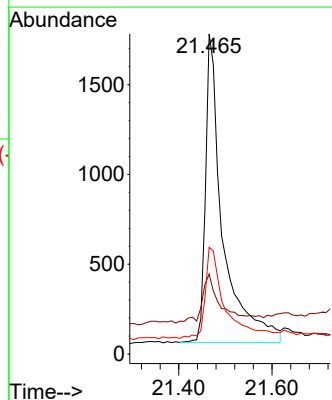
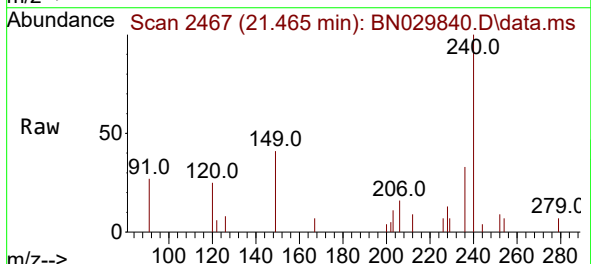
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802

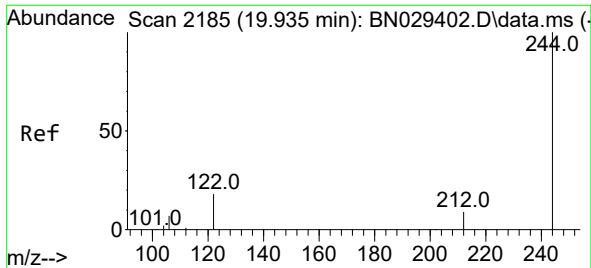
Tgt Ion:212 Resp: 5545
Ion Ratio Lower Upper
212 100
106 15.3 13.2 19.8
104 11.0 7.7 11.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.465 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:240 Resp: 4420
Ion Ratio Lower Upper
240 100
120 24.9 16.7 25.1
236 33.3 23.9 35.9

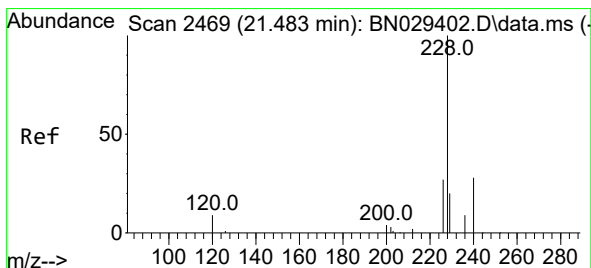
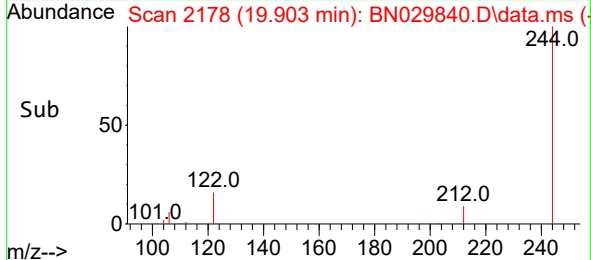
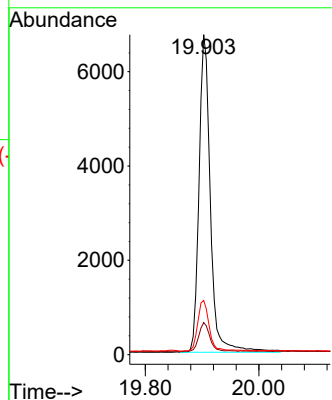
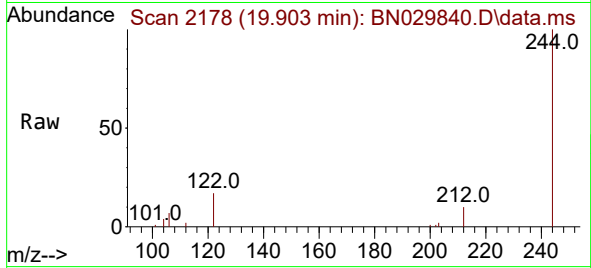




#31
Terphenyl-d14
Concen: 0.850 ng
RT: 19.903 min Scan# 2185
Delta R.T. -0.005 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

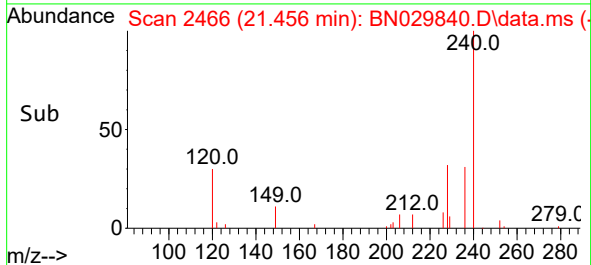
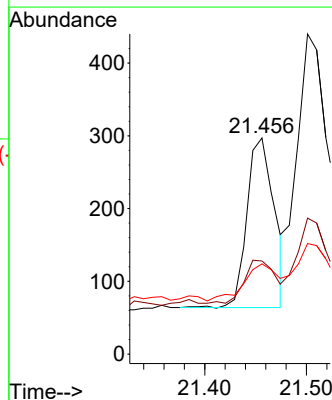
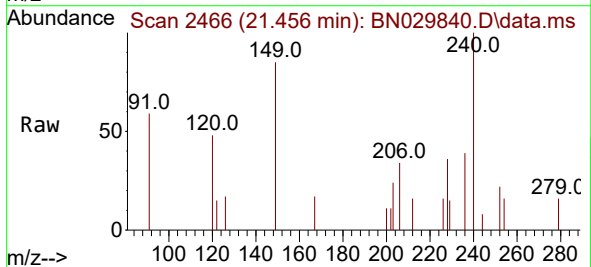
Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802

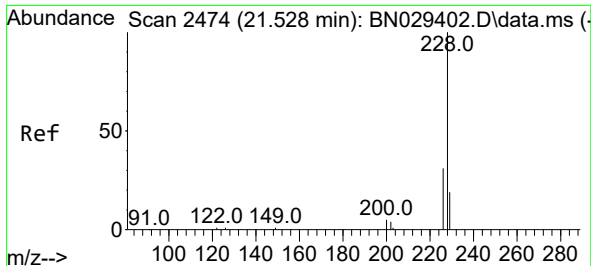
Tgt Ion:244 Resp: 9329
Ion Ratio Lower Upper
244 100
212 10.1 8.2 12.4
122 16.9 15.6 23.4



#32
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.009 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:228 Resp: 434
Ion Ratio Lower Upper
228 100
226 43.1 22.2 33.4#
229 41.8 16.5 24.7#





#33

Chrysene

Concen: 0.051 ng

RT: 21.501 min Scan# 2471

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

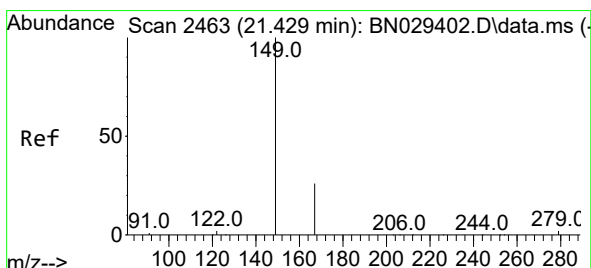
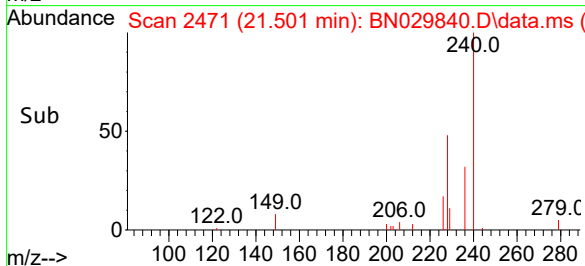
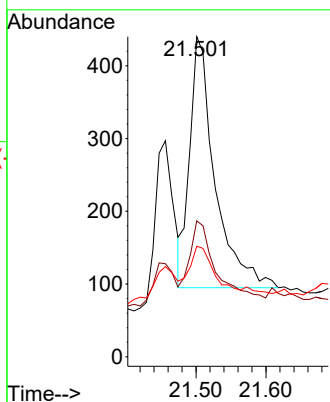
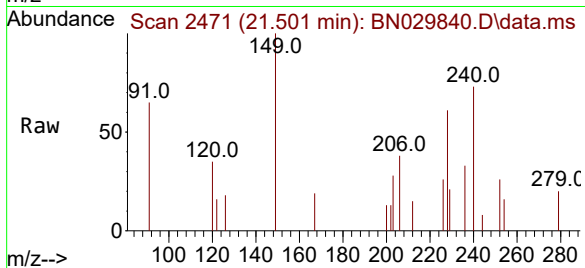
Tgt Ion:228 Resp: 867

Ion Ratio Lower Upper

228 100

226 42.5 24.9 37.3#

229 34.5 15.9 23.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.110 ng

RT: 21.394 min Scan# 2459

Delta R.T. 0.000 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

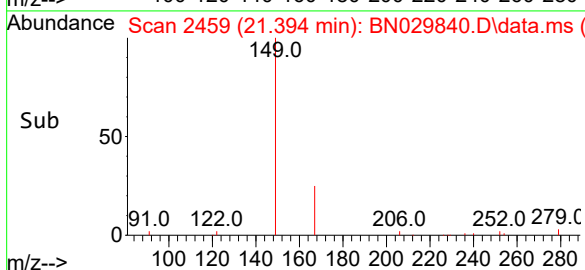
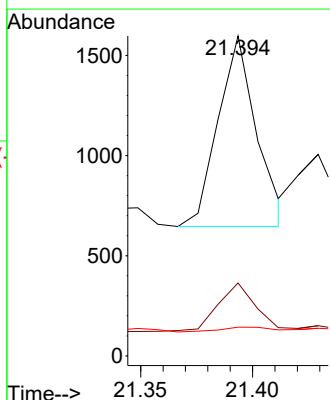
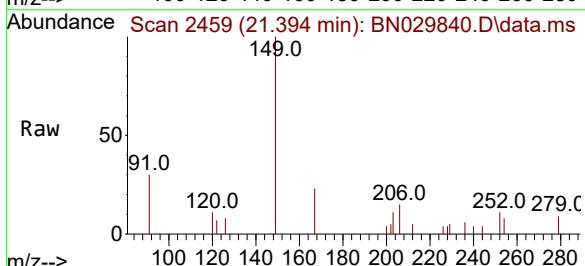
Tgt Ion:149 Resp: 1136

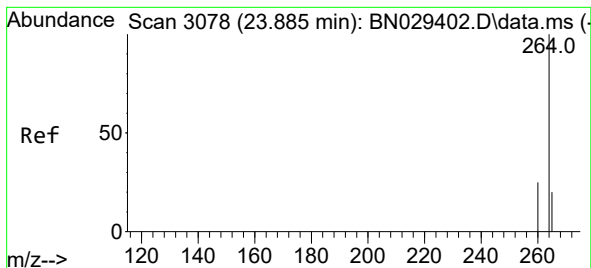
Ion Ratio Lower Upper

149 100

167 26.1 20.1 30.1

279 3.9 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.841 min Scan# 3078

Delta R.T. 0.009 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

Instrument :

BNA_N

ClientSampleId :

BP-VPB-195-GW-800-802

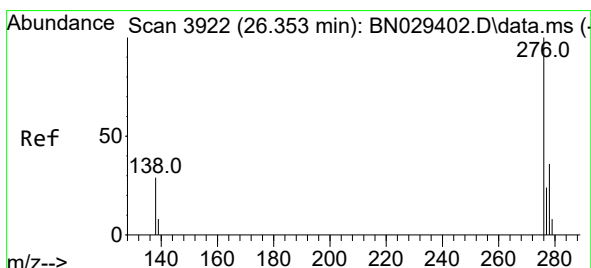
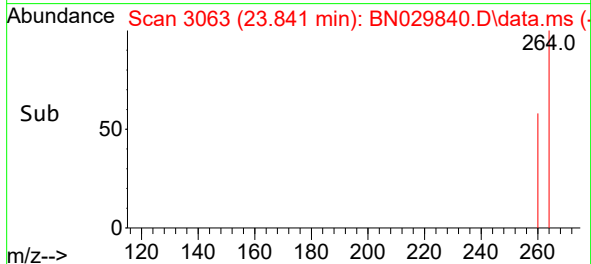
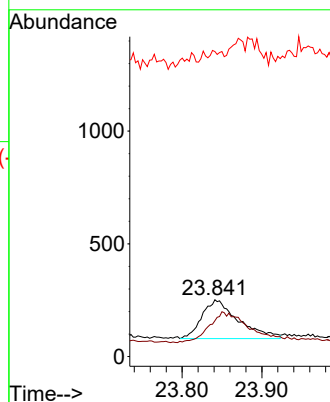
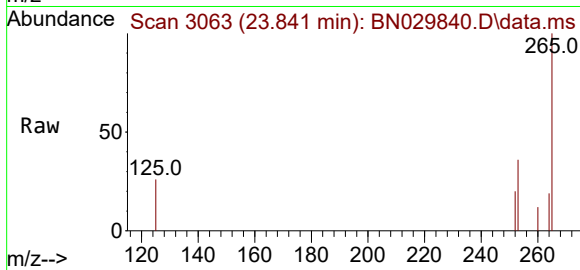
Tgt Ion:264 Resp: 545

Ion Ratio Lower Upper

264 100

260 63.1 21.2 31.8#

265 536.9 41.5 62.3#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.100 ng

RT: 26.309 min Scan# 3907

Delta R.T. 0.029 min

Lab File: BN029840.D

Acq: 16 Feb 2024 23:13

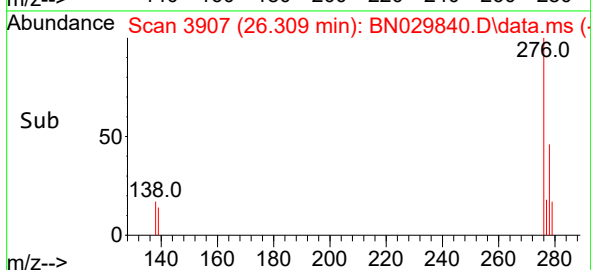
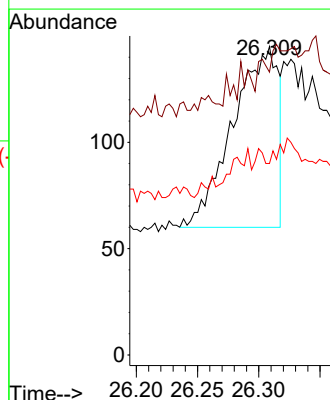
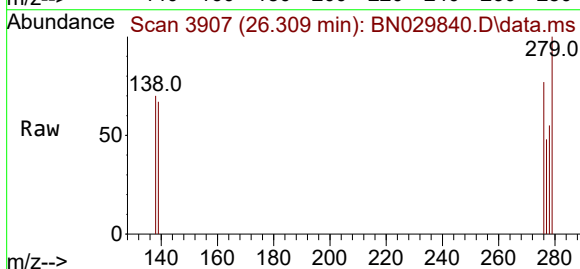
Tgt Ion:276 Resp: 219

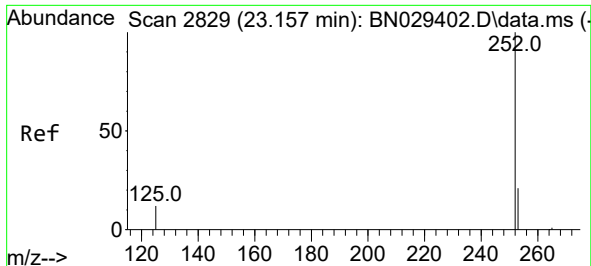
Ion Ratio Lower Upper

276 100

138 3.7 20.5 30.7#

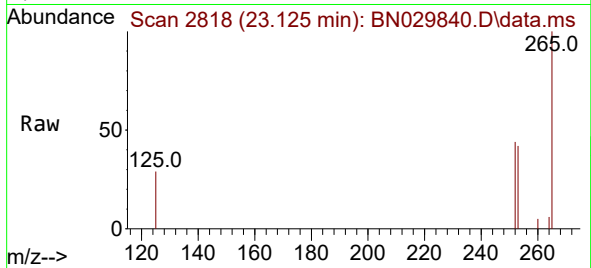
277 7.3 17.0 25.4#



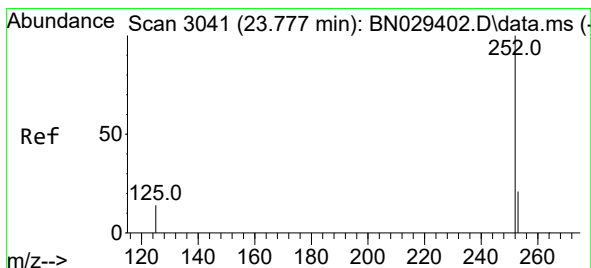
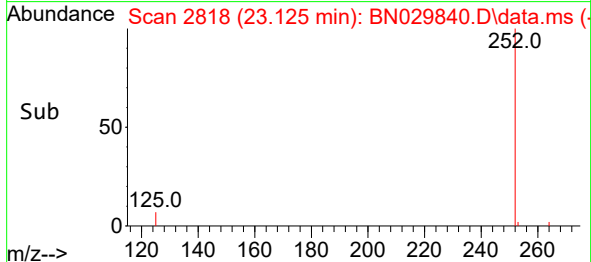
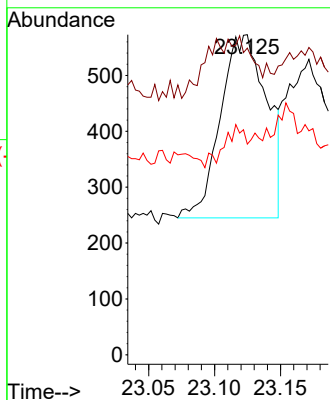


#37
Benzo(b)fluoranthene
Concen: 0.413 ng
RT: 23.125 min Scan# 21
Delta R.T. 0.015 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802

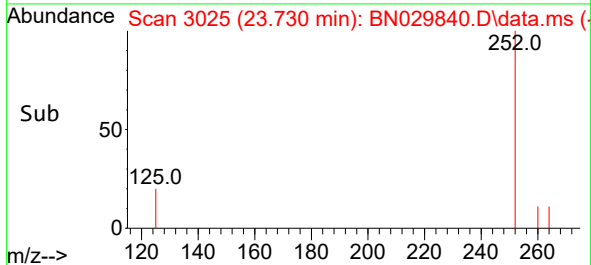
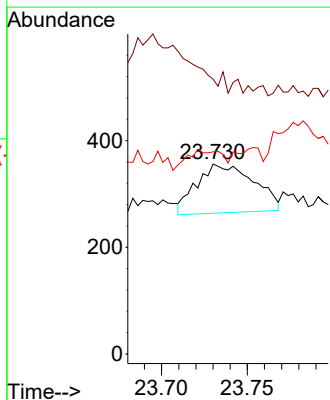
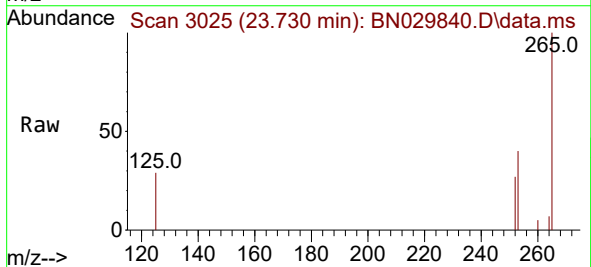


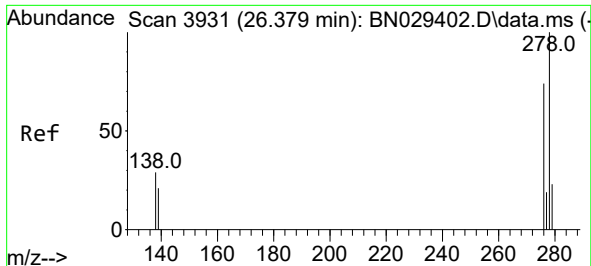
Tgt Ion:252 Resp: 804
Ion Ratio Lower Upper
252 100
253 95.8 21.7 32.5#
125 65.8 13.3 19.9#



#39
Benzo(a)pyrene
Concen: 0.125 ng
RT: 23.730 min Scan# 3025
Delta R.T. 0.003 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

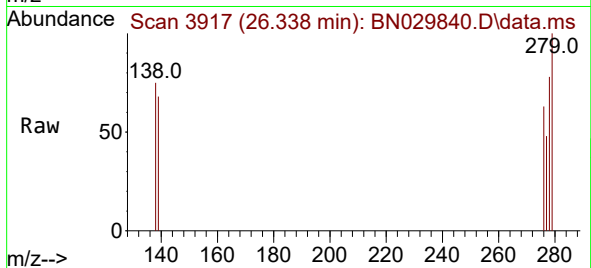
Tgt Ion:252 Resp: 212
Ion Ratio Lower Upper
252 100
253 144.7 24.9 37.3#
125 106.5 16.6 25.0#



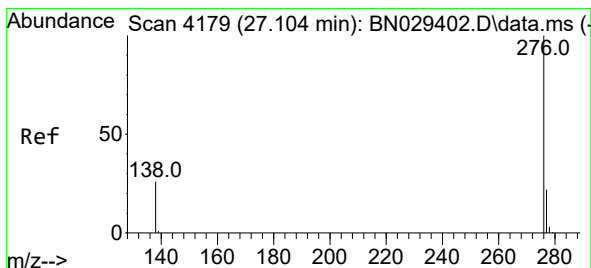
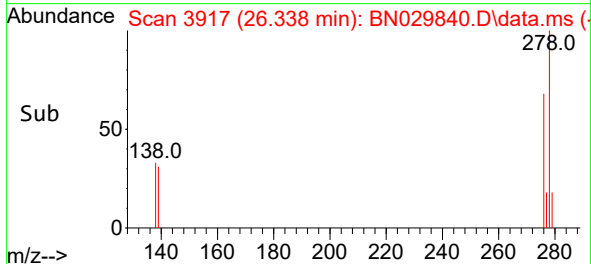
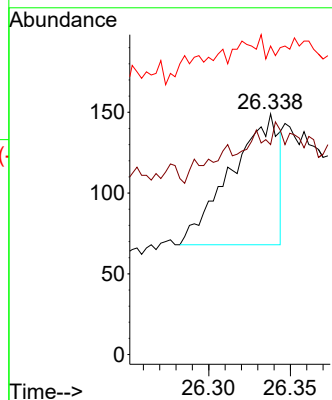


#40
Dibenzo(a,h)anthracene
Concen: 0.095 ng
RT: 26.338 min Scan# 3917
Delta R.T. 0.026 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Instrument :
BNA_N
ClientSampleId :
BP-VPB-195-GW-800-802



Tgt Ion:278 Resp: 165
Ion Ratio Lower Upper
278 100
139 87.2 20.4 30.6#
279 128.2 25.0 37.6#



#41
Benzo(g,h,i)perylene
Concen: 0.223 ng
RT: 27.045 min Scan# 4159
Delta R.T. 0.018 min
Lab File: BN029840.D
Acq: 16 Feb 2024 23:13

Tgt Ion:276 Resp: 473
Ion Ratio Lower Upper
276 100
277 57.1 19.4 29.2#
138 80.6 23.5 35.3#

