

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028239.D
 Acq On : 11 Oct 2023 19:02
 Operator : MA/JU
 Sample : 04810-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW10A-GW-678-680

Quant Time: Oct 12 04:05:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 12 04:03:12 2023
 Response via : Initial Calibration

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

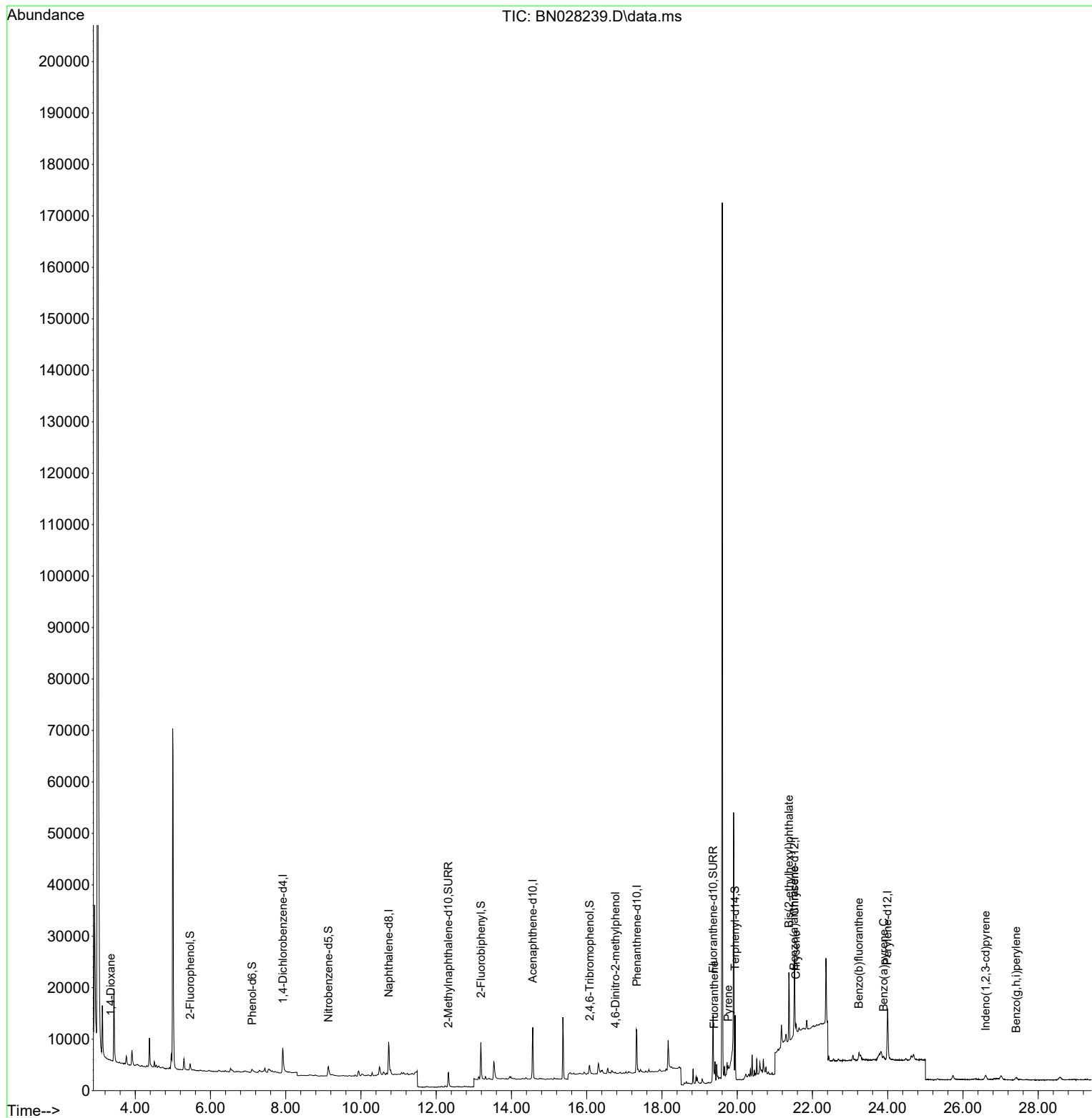
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	2816	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	9606	0.400	ng	# 0.00
13) Acenaphthene-d10	14.566	164	6059	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	13588	0.400	ng	# 0.01
29) Chrysene-d12	21.524	240	13832	0.400	ng	0.00
35) Perylene-d12	23.996	264	14165	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	1215	0.145	ng	0.00
5) Phenol-d6	7.106	99	975	0.092	ng	0.01
8) Nitrobenzene-d5	9.134	82	2473	0.303	ng	0.01
11) 2-Methylnaphthalene-d10	12.324	152	4563	0.321	ng	0.00
14) 2,4,6-Tribromophenol	16.078	330	1237	0.446	ng	0.00
15) 2-Fluorobiphenyl	13.187	172	6802	0.312	ng	0.00
27) Fluoranthene-d10	19.360	212	13621	0.399	ng	0.00
31) Terphenyl-d14	19.946	244	12110	0.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.350	88	118	0.037	ng	# 25
20) 4,6-Dinitro-2-methylph...	16.760	198	5	0.028	ng	# 1
28) Fluoranthene	19.388	202	1241	0.029	ng	# 64
30) Pyrene	19.760	202	1194	0.024	ng	# 77
32) Benzo(a)anthracene	21.507	228	1589	0.034	ng	# 55
33) Chrysene	21.560	228	1704	0.038	ng	# 66
34) Bis(2-ethylhexyl)phtha...	21.372	149	12304	0.397	ng	99
36) Indeno(1,2,3-cd)pyrene	26.604	276	1358	0.029	ng	# 85
37) Benzo(b)fluoranthene	23.236	252	2676	0.058	ng	# 1
39) Benzo(a)pyrene	23.888	252	1022	0.024	ng	# 1
41) Benzo(g,h,i)perylene	27.413	276	1256	0.031	ng	# 9

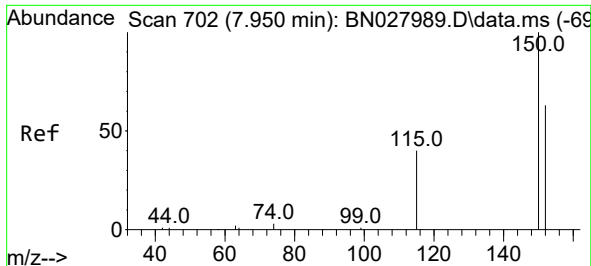
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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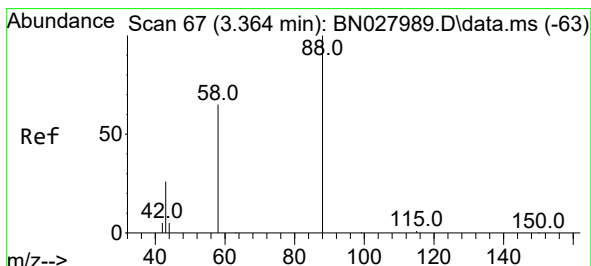
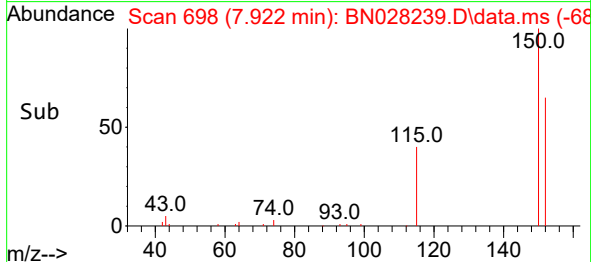
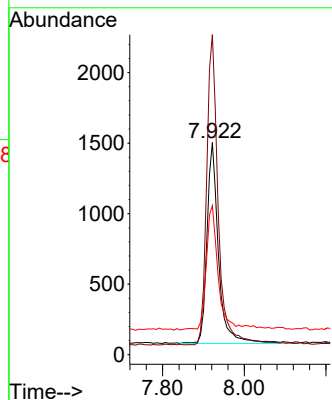
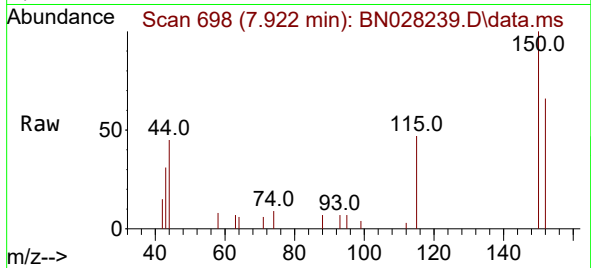




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.922 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028239.D
 Acq: 11 Oct 2023 19:02

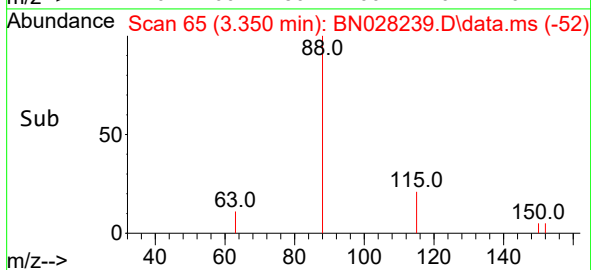
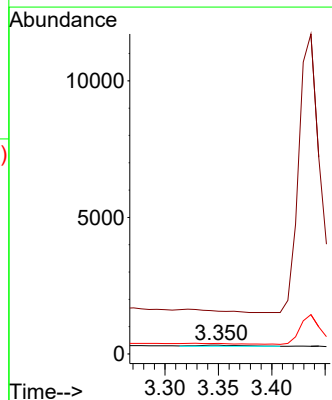
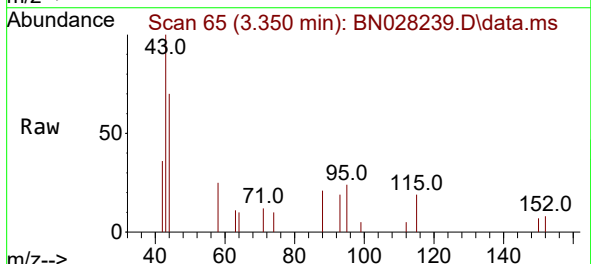
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW10A-GW-678-680

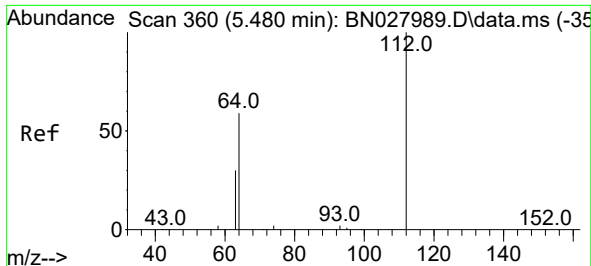
Tgt Ion:152 Resp: 2816
 Ion Ratio Lower Upper
 152 100
 150 150.9 125.6 188.4
 115 70.2 54.8 82.2



#2
 1,4-Dioxane
 Concen: 0.037 ng
 RT: 3.350 min Scan# 65
 Delta R.T. -0.007 min
 Lab File: BN028239.D
 Acq: 11 Oct 2023 19:02

Tgt Ion: 88 Resp: 118
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.6 36.8#
 58 0.0 53.8 80.6#

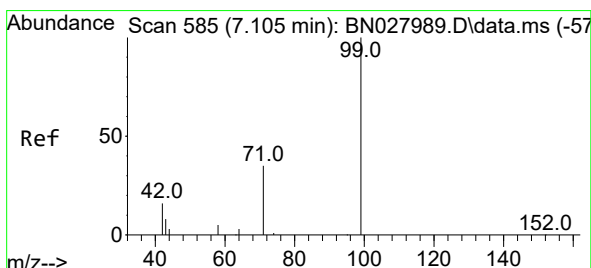
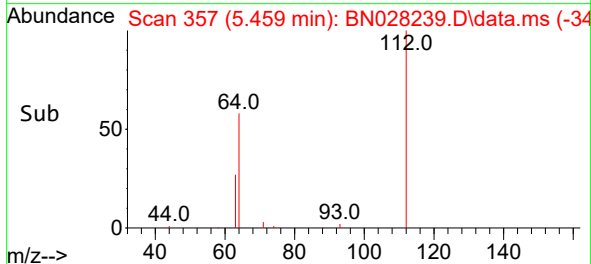
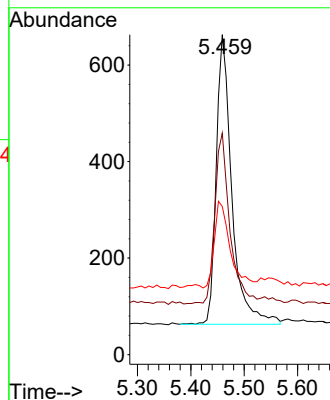
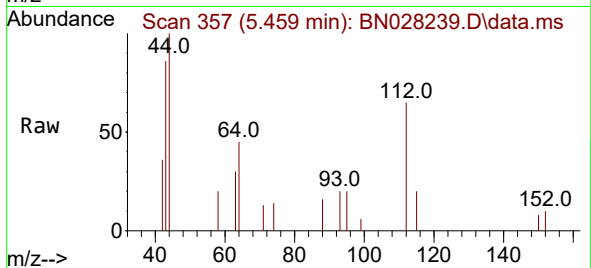




#4
2-Fluorophenol
Concen: 0.145 ng
RT: 5.459 min Scan# 311
Delta R.T. -0.007 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

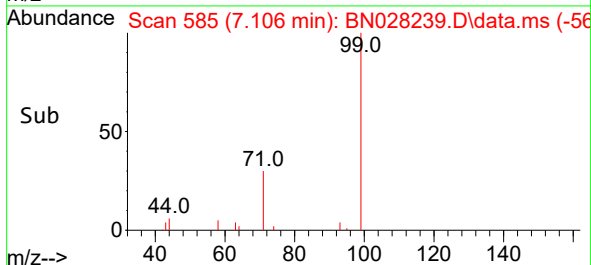
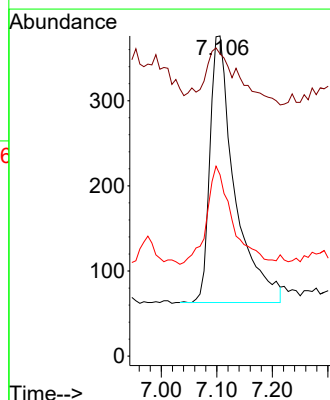
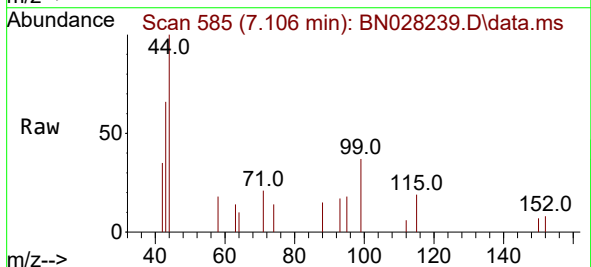
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW10A-GW-678-680

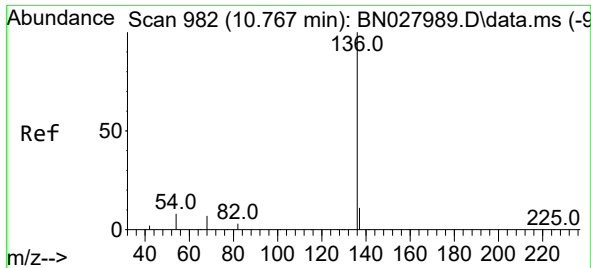
Tgt Ion:112 Resp: 1215
Ion Ratio Lower Upper
112 100
64 56.8 45.0 67.6
63 30.5 23.4 35.0



#5
Phenol-d6
Concen: 0.092 ng
RT: 7.106 min Scan# 585
Delta R.T. 0.014 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion: 99 Resp: 975
Ion Ratio Lower Upper
99 100
42 28.9 14.6 22.0#
71 37.5 28.3 42.5

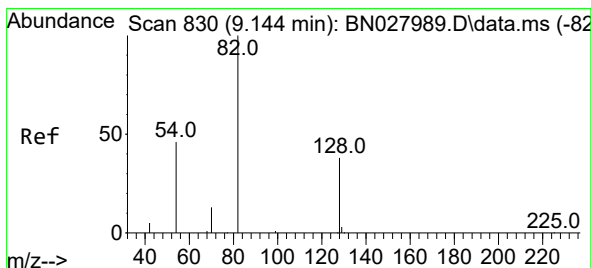
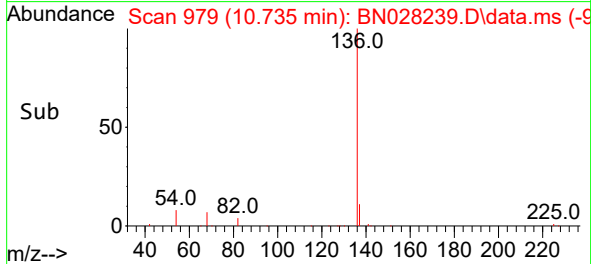
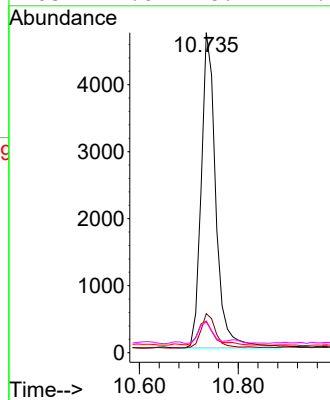
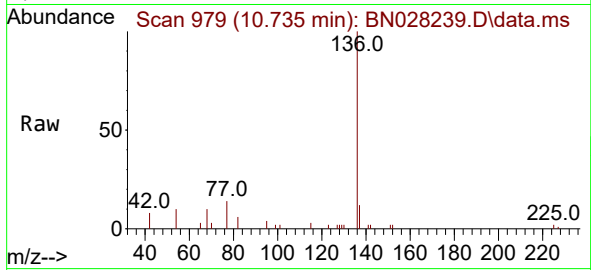




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

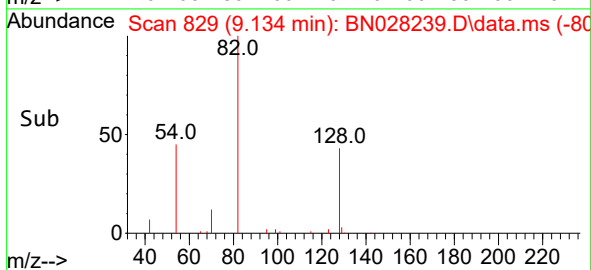
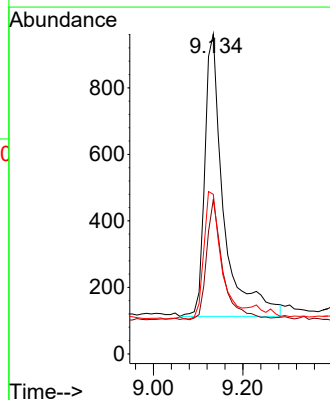
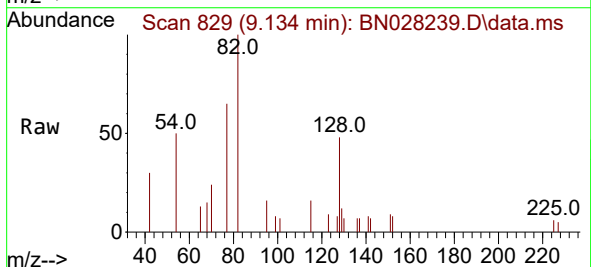
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW10A-GW-678-680

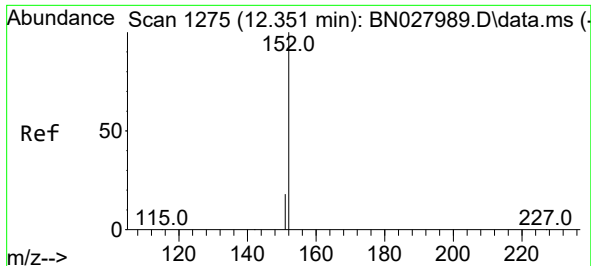
Tgt Ion:136 Resp: 9606
Ion Ratio Lower Upper
136 100
137 12.2 9.4 14.0
54 9.9 7.0 10.6
68 9.6 6.4 9.6#



#8
Nitrobenzene-d5
Concen: 0.303 ng
RT: 9.134 min Scan# 829
Delta R.T. 0.011 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion: 82 Resp: 2473
Ion Ratio Lower Upper
82 100
128 48.2 32.7 49.1
54 49.9 38.7 58.1

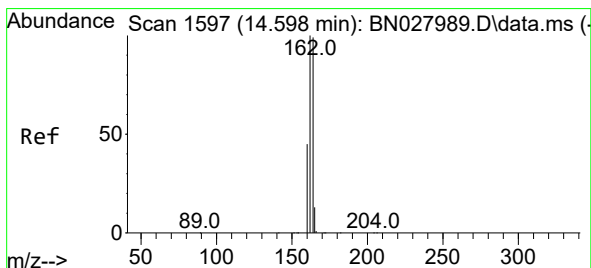
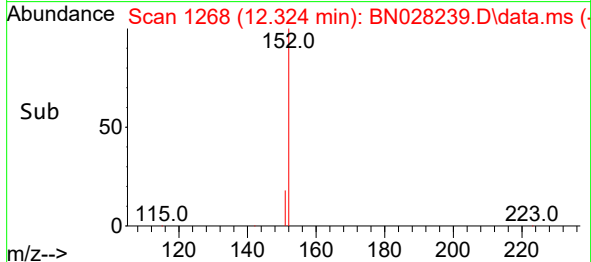
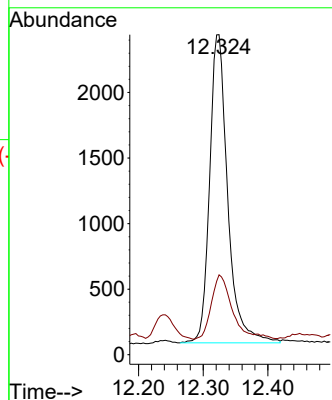
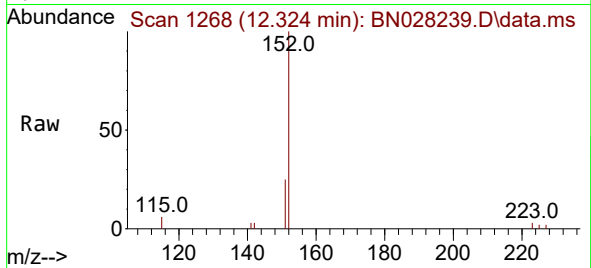




#11
2-Methylnaphthalene-d10
Concen: 0.321 ng
RT: 12.324 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

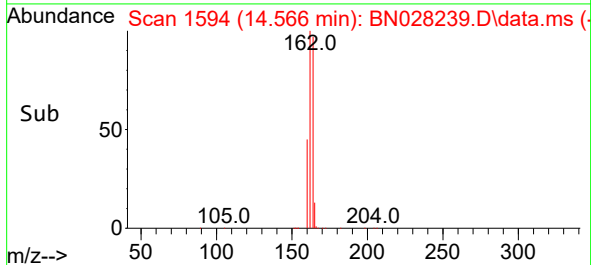
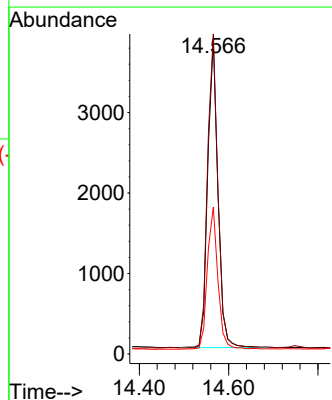
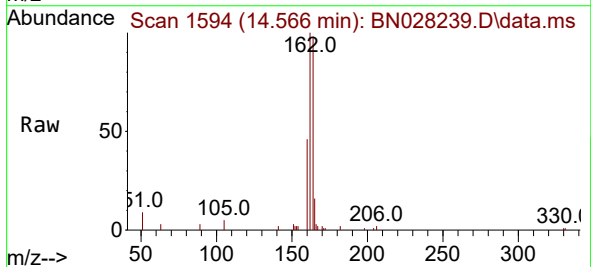
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW10A-GW-678-680

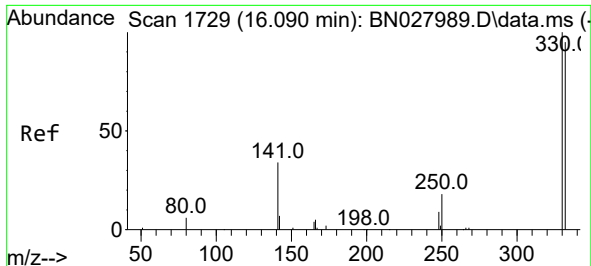
Tgt Ion:152 Resp: 4563
Ion Ratio Lower Upper
152 100
151 24.1 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion:164 Resp: 6059
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 46.8 36.4 54.6

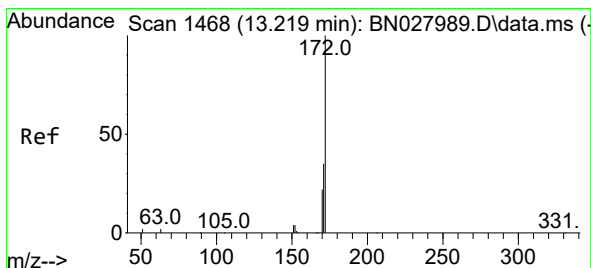
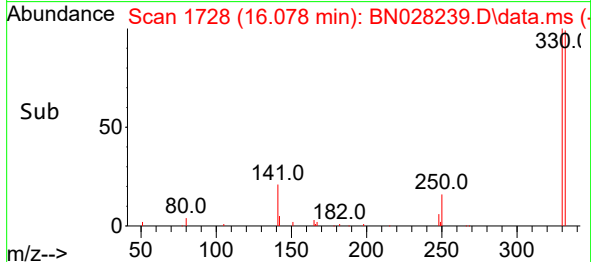
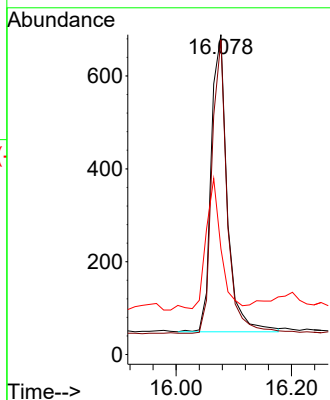
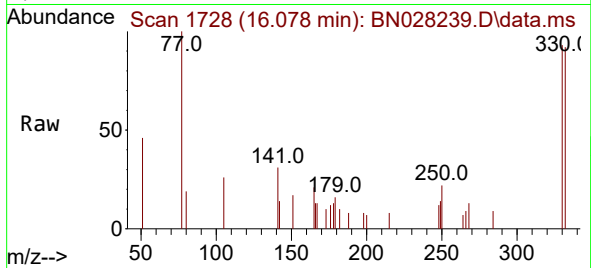




#14
2,4,6-Tribromophenol
Concen: 0.446 ng
RT: 16.078 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

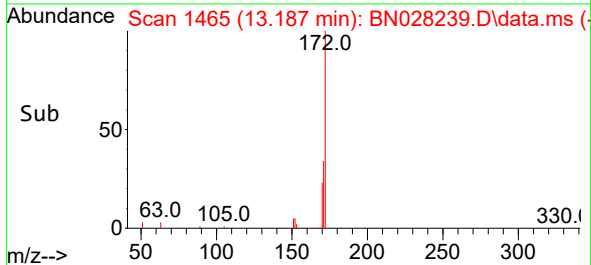
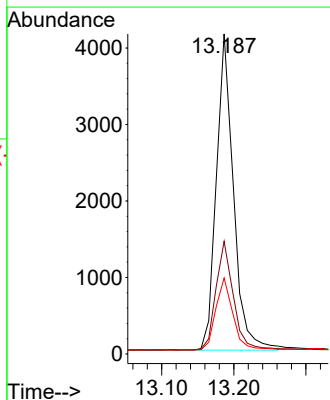
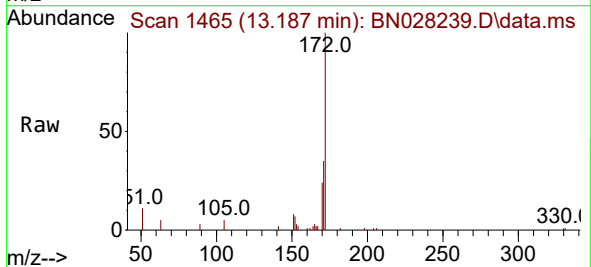
Instrument :
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ClientSampleId :
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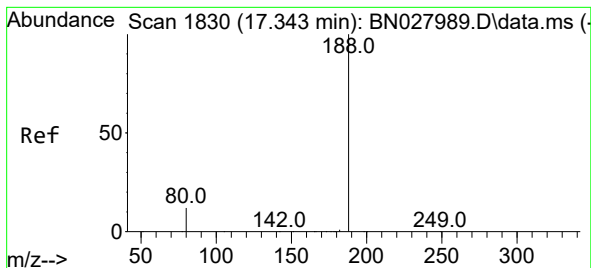
Tgt Ion:330 Resp: 1237
Ion Ratio Lower Upper
330 100
332 93.2 78.1 117.1
141 38.6 33.4 50.2



#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.187 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion:172 Resp: 6802
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.8 18.4 27.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.331 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN028239.D

Acq: 11 Oct 2023 19:02

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW10A-GW-678-680

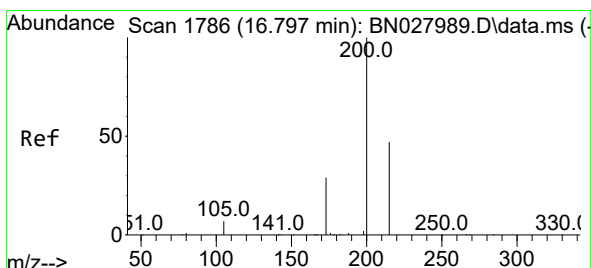
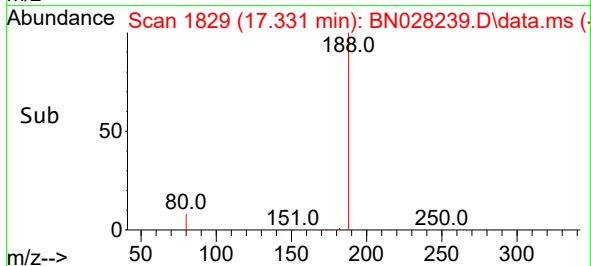
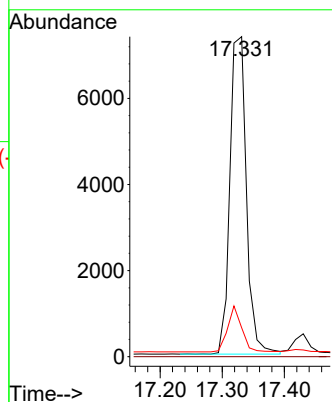
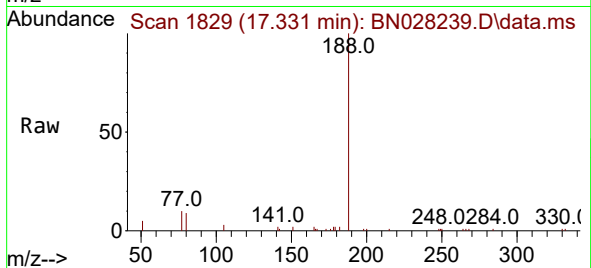
Tgt Ion:188 Resp: 13588

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.028 ng

RT: 16.760 min Scan# 1783

Delta R.T. -0.025 min

Lab File: BN028239.D

Acq: 11 Oct 2023 19:02

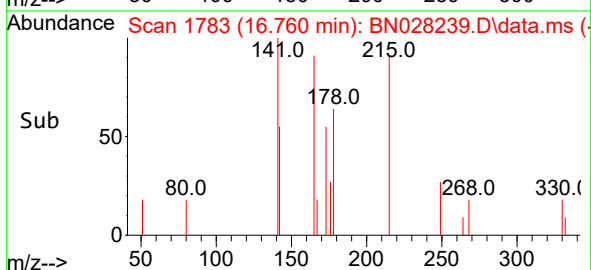
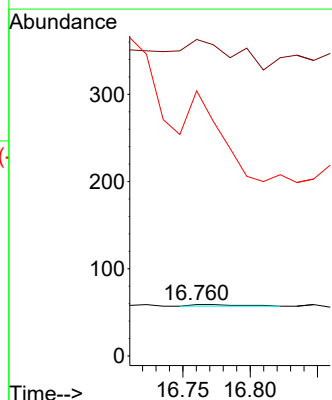
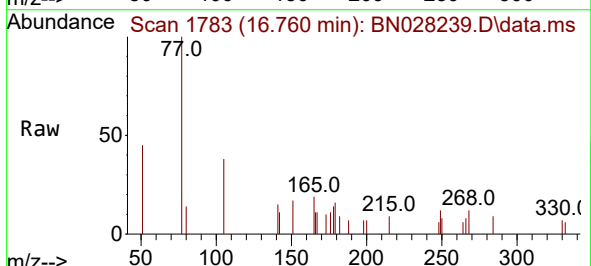
Tgt Ion:198 Resp: 5

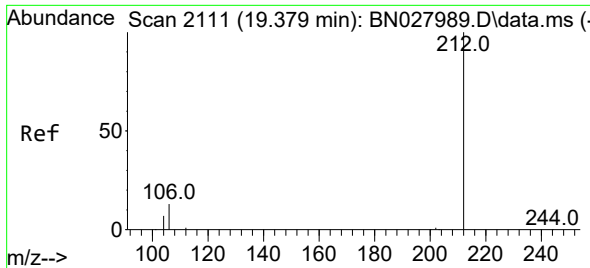
Ion Ratio Lower Upper

198 100

51 615.3 180.7 271.1#

105 515.3 222.2 333.2#

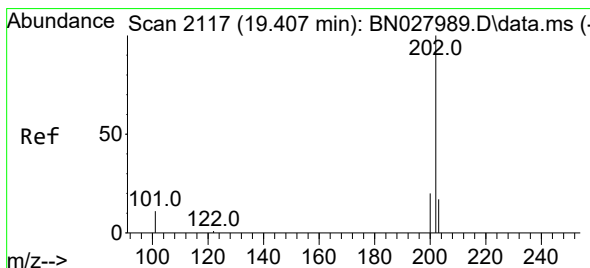
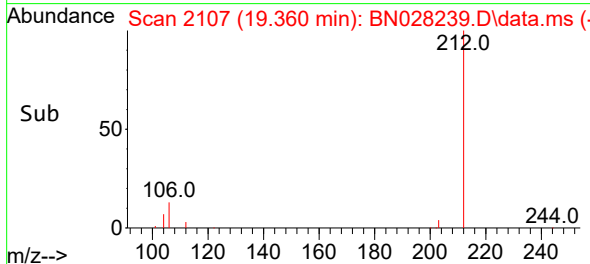
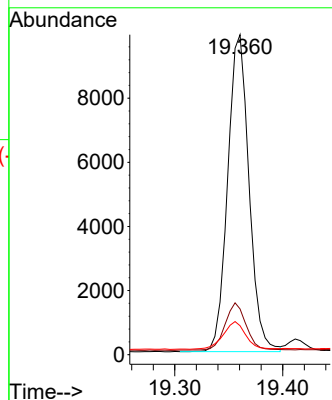
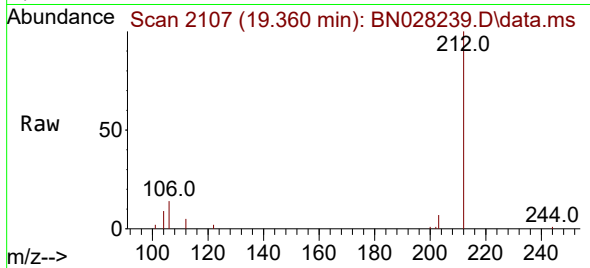




#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.360 min Scan# 2111
Delta R.T. 0.005 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

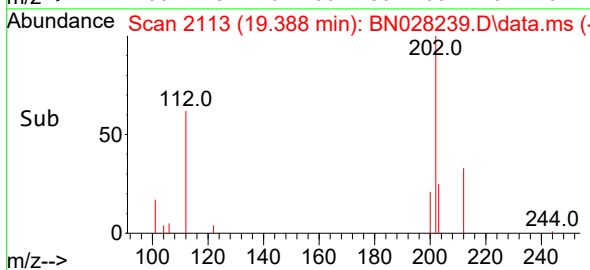
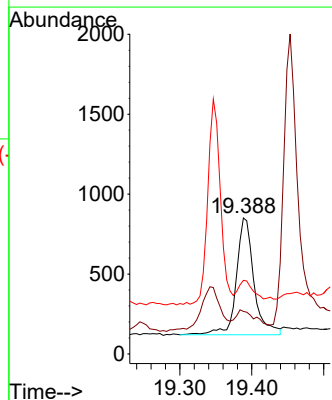
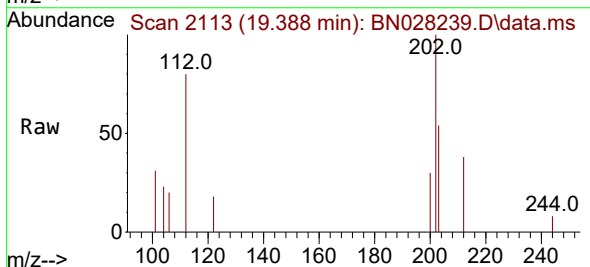
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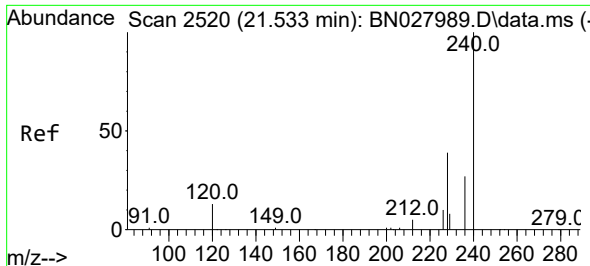
Tgt Ion:212 Resp: 13621
Ion Ratio Lower Upper
212 100
106 15.0 11.3 16.9
104 9.2 6.4 9.6



#28
Fluoranthene
Concen: 0.029 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.005 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion:202 Resp: 1241
Ion Ratio Lower Upper
202 100
101 0.0 9.8 14.6#
203 0.0 13.8 20.8#

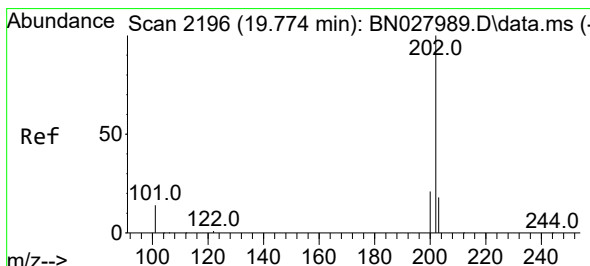
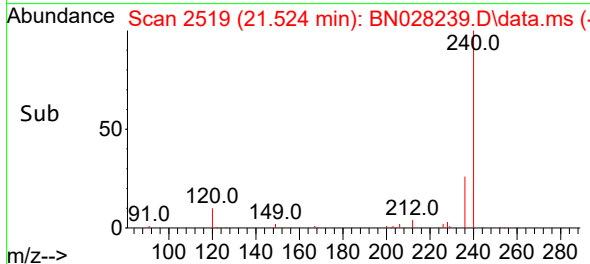
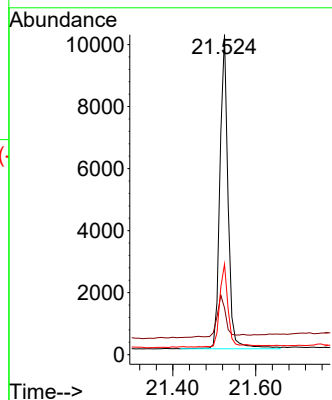
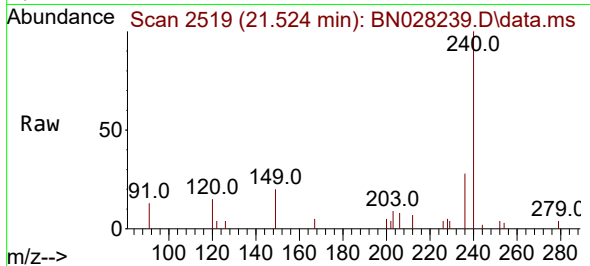




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 2119
Delta R.T. 0.009 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

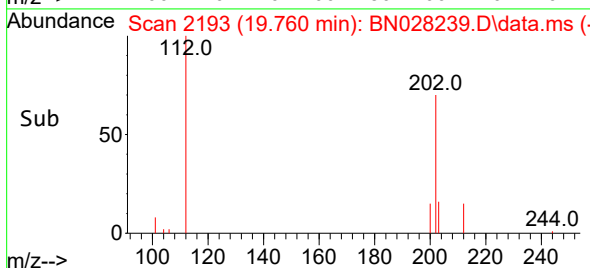
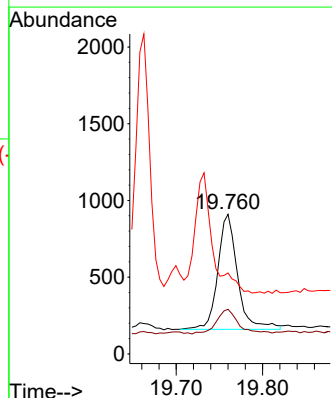
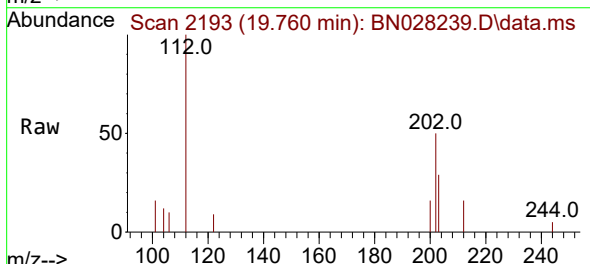
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW10A-GW-678-680

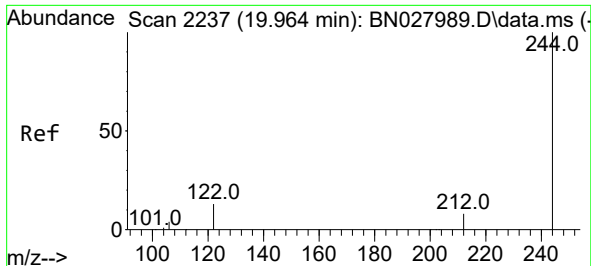
Tgt Ion:240 Resp: 13832
Ion Ratio Lower Upper
240 100
120 14.6 13.8 20.6
236 28.3 22.6 33.8



#30
Pyrene
Concen: 0.024 ng
RT: 19.760 min Scan# 2193
Delta R.T. 0.009 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion:202 Resp: 1194
Ion Ratio Lower Upper
202 100
200 23.9 16.5 24.7
203 0.0 14.7 22.1#

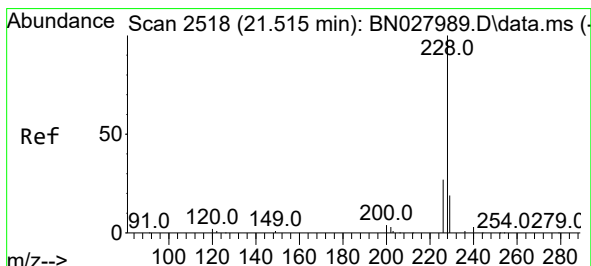
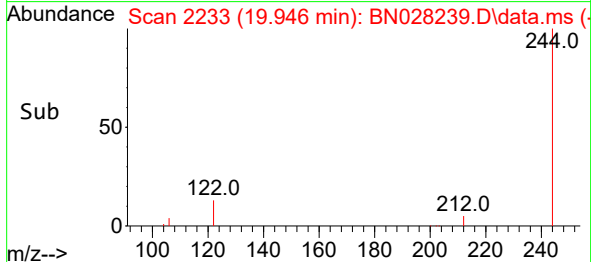
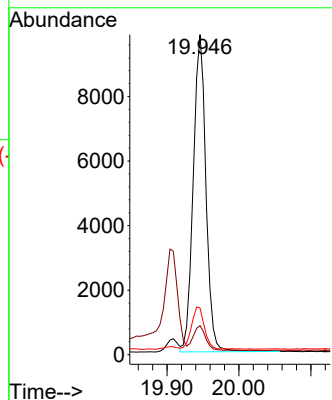
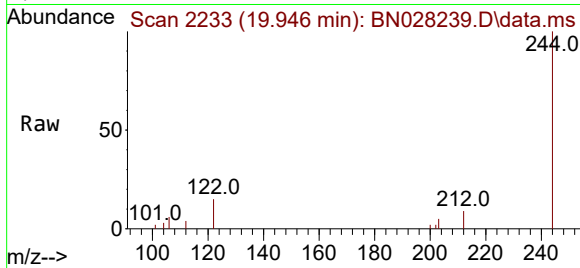




#31
 Terphenyl-d14
 Concen: 0.375 ng
 RT: 19.946 min Scan# 2110
 Delta R.T. 0.005 min
 Lab File: BN028239.D
 Acq: 11 Oct 2023 19:02

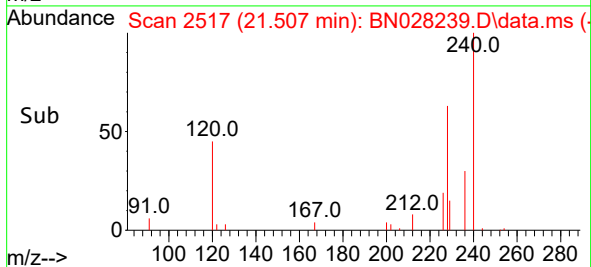
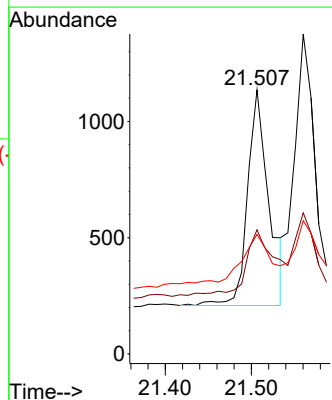
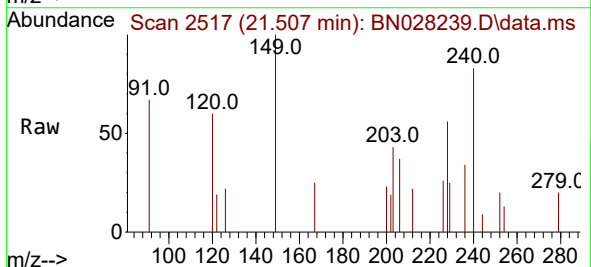
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW10A-GW-678-680

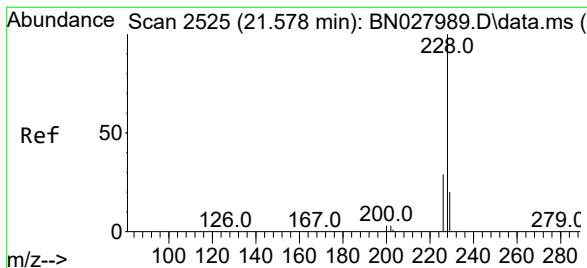
Tgt Ion:244 Resp: 12110
 Ion Ratio Lower Upper
 244 100
 212 9.0 6.6 9.8
 122 14.6 11.4 17.0



#32
 Benzo(a)anthracene
 Concen: 0.034 ng
 RT: 21.507 min Scan# 2517
 Delta R.T. 0.009 min
 Lab File: BN028239.D
 Acq: 11 Oct 2023 19:02

Tgt Ion:228 Resp: 1589
 Ion Ratio Lower Upper
 228 100
 226 47.0 22.0 33.0#
 229 45.3 16.0 24.0#





#33

Chrysene

Concen: 0.038 ng

RT: 21.560 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028239.D

Acq: 11 Oct 2023 19:02

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW10A-GW-678-680

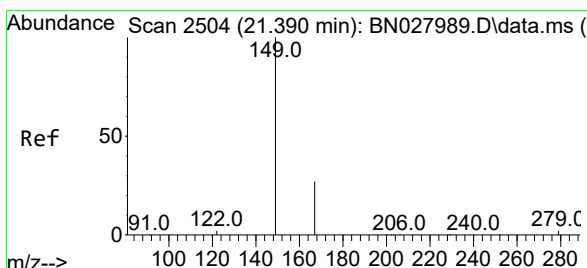
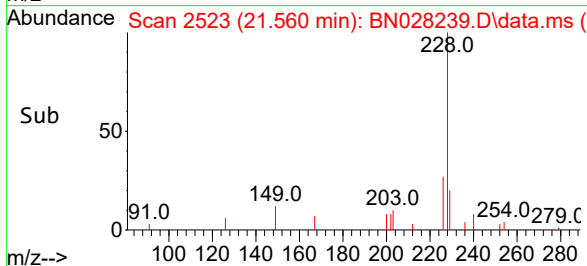
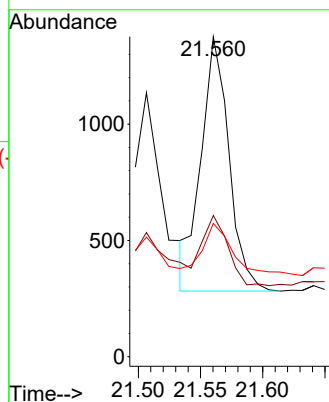
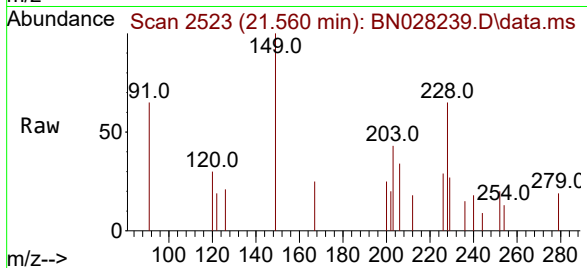
Tgt Ion:228 Resp: 1704

Ion Ratio Lower Upper

228 100

226 44.1 23.8 35.8#

229 41.6 16.6 25.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.397 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028239.D

Acq: 11 Oct 2023 19:02

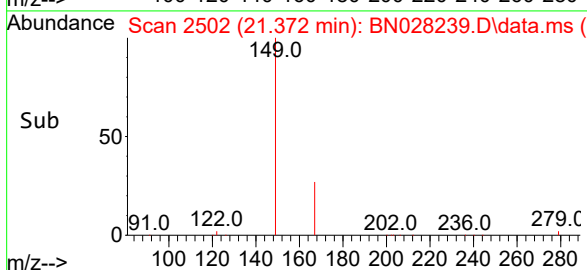
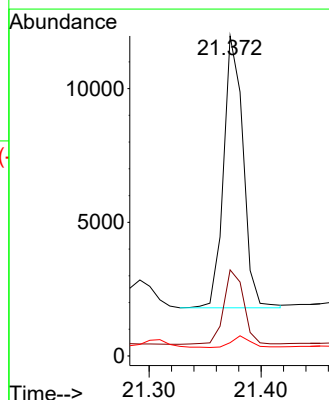
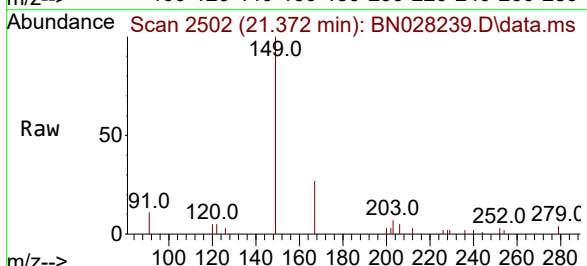
Tgt Ion:149 Resp: 12304

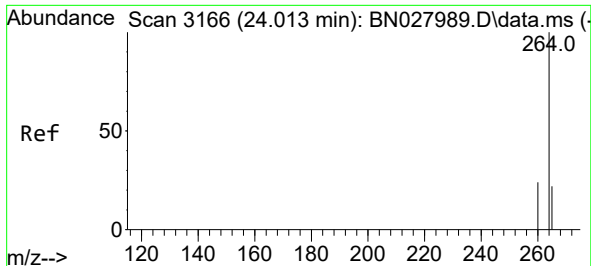
Ion Ratio Lower Upper

149 100

167 28.0 22.1 33.1

279 4.2 3.4 5.0

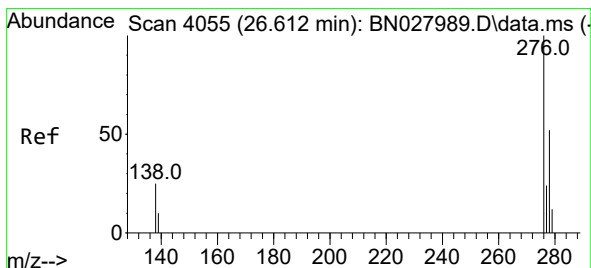
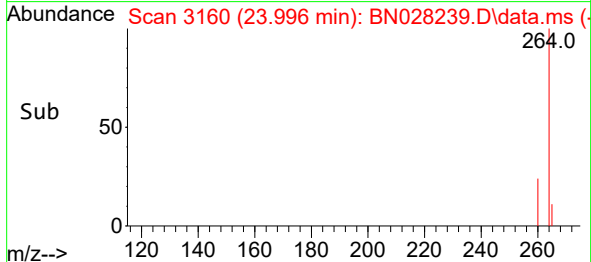
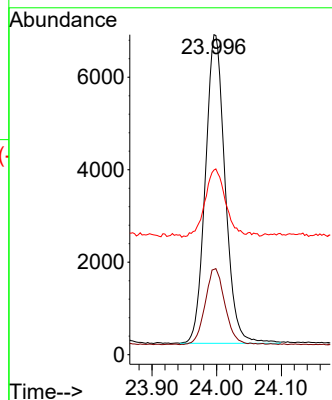
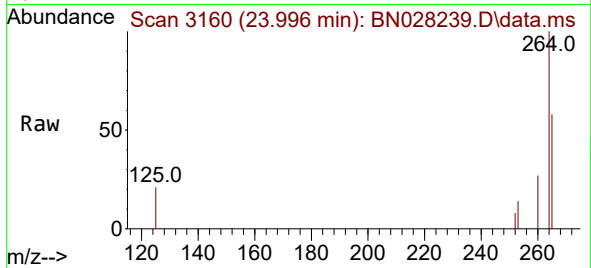




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.996 min Scan# 3166
Delta R.T. 0.021 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

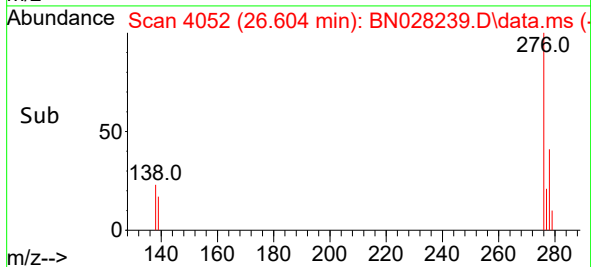
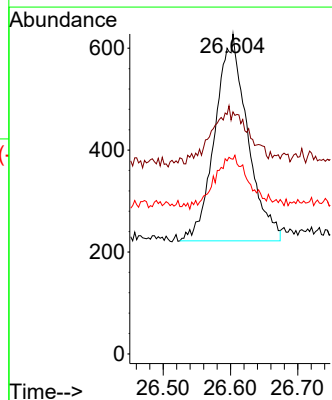
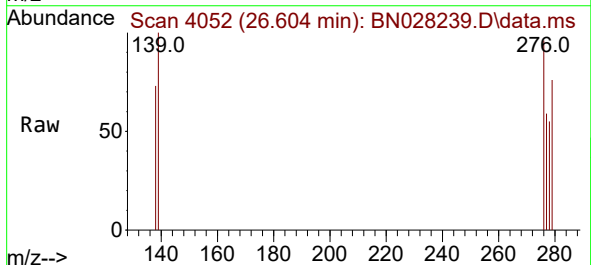
Instrument :
BNA_N
ClientSampleId :
BP-VPB-RW10A-GW-678-680

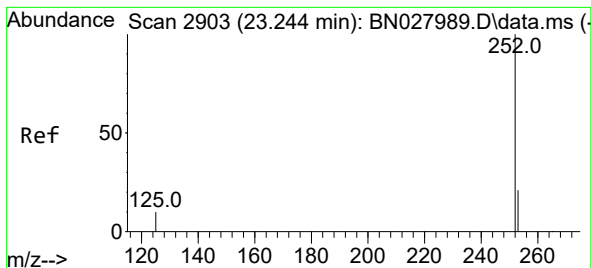
Tgt Ion:264 Resp: 14165
Ion Ratio Lower Upper
264 100
260 26.6 20.2 30.4
265 57.7 54.8 82.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.029 ng
RT: 26.604 min Scan# 4052
Delta R.T. 0.047 min
Lab File: BN028239.D
Acq: 11 Oct 2023 19:02

Tgt Ion:276 Resp: 1358
Ion Ratio Lower Upper
276 100
138 13.0 20.9 31.3#
277 22.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.058 ng

RT: 23.236 min Scan# 2900

Delta R.T. 0.023 min

Lab File: BN028239.D

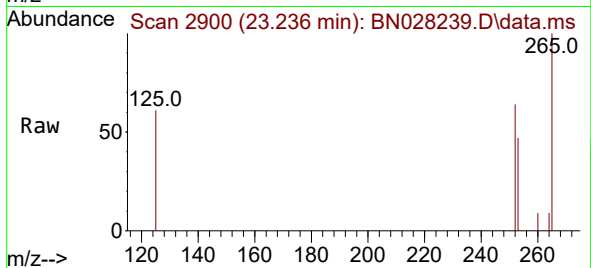
Acq: 11 Oct 2023 19:02

Instrument :

BNA_N

ClientSampleId :

BP-VPB-RW10A-GW-678-680



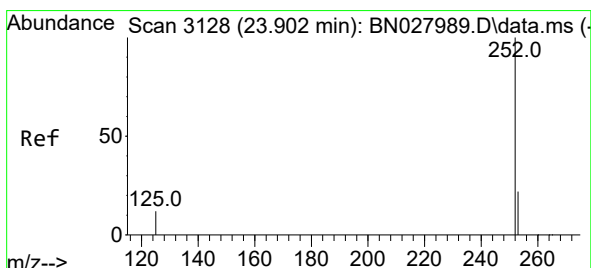
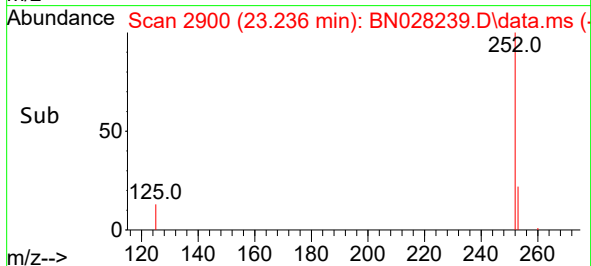
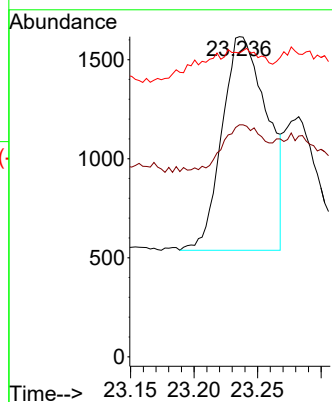
Tgt Ion:252 Resp: 2676

Ion Ratio Lower Upper

252 100

253 72.5 22.9 34.3#

125 94.9 13.8 20.8#



#39

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.888 min Scan# 3123

Delta R.T. 0.023 min

Lab File: BN028239.D

Acq: 11 Oct 2023 19:02

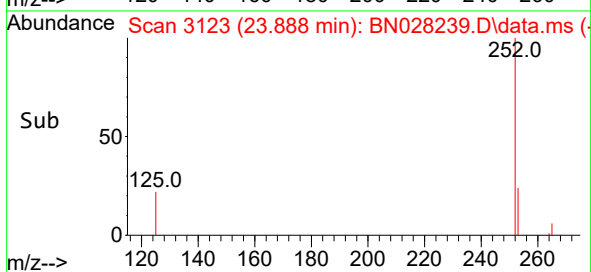
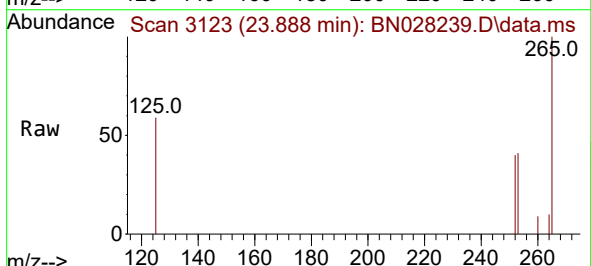
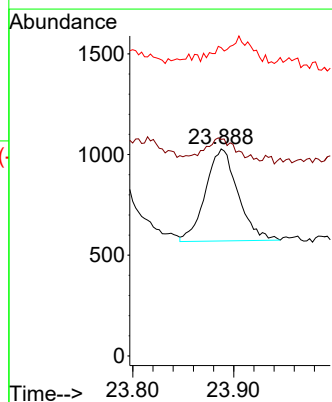
Tgt Ion:252 Resp: 1022

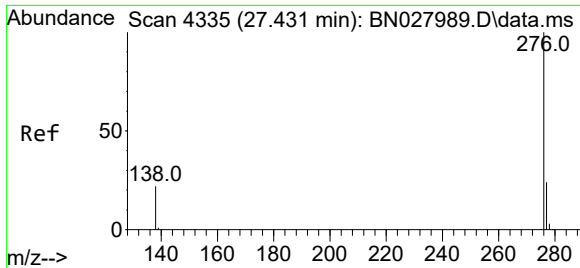
Ion Ratio Lower Upper

252 100

253 104.7 25.0 37.4#

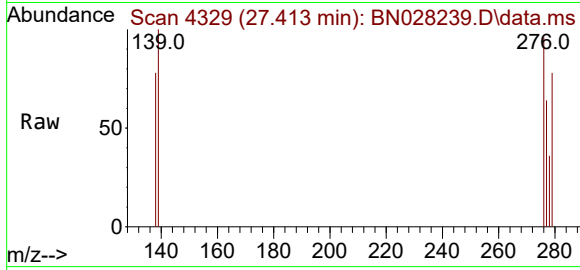
125 148.9 16.6 24.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.031 ng
 RT: 27.413 min Scan# 41
 Delta R.T. 0.047 min
 Lab File: BN028239.D
 Acq: 11 Oct 2023 19:02

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-RW10A-GW-678-680



Tgt Ion:276 Resp: 1256
 Ion Ratio Lower Upper
 276 100
 277 67.0 22.1 33.1#
 138 80.5 20.8 31.2#

