

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028237.D
 Acq On : 11 Oct 2023 17:49
 Operator : MA/JU
 Sample : 04793-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20231005

Quant Time: Oct 12 04:05:14 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)

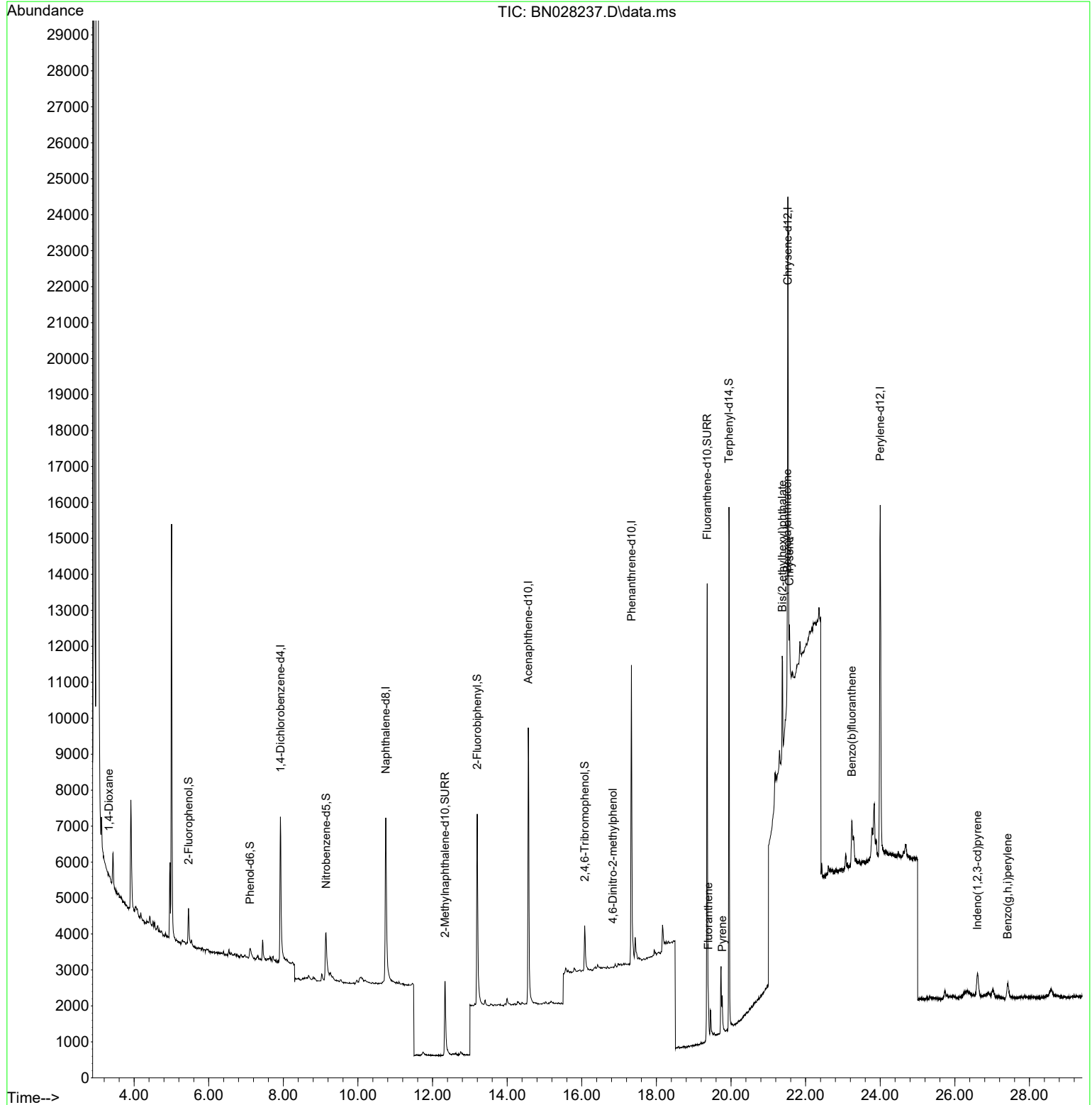
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	2796	0.400	ng	0.00
7) Naphthalene-d8	10.746	136	8839	0.400	ng	0.01
13) Acenaphthene-d10	14.566	164	5565	0.400	ng	0.00
19) Phenanthrene-d10	17.331	188	12770	0.400	ng	0.01
29) Chrysene-d12	21.524	240	13701	0.400	ng	0.00
35) Perylene-d12	23.999	264	14824	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.459	112	1046	0.125	ng	0.00
5) Phenol-d6	7.113	99	657	0.062	ng	0.02
8) Nitrobenzene-d5	9.145	82	2284	0.304	ng	0.02
11) 2-Methylnaphthalene-d10	12.332	152	4346	0.332	ng	0.00
14) 2,4,6-Tribromophenol	16.078	330	925	0.363	ng	0.00
15) 2-Fluorobiphenyl	13.197	172	6319	0.315	ng	0.01
27) Fluoranthene-d10	19.360	212	14676	0.458	ng	0.00
31) Terphenyl-d14	19.946	244	15018	0.470	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.328	88	120	0.038	ng	# 25
20) 4,6-Dinitro-2-methylph...	16.835	198	4	0.024	ng	# 1
28) Fluoranthene	19.393	202	1101	0.028	ng	# 95
30) Pyrene	19.765	202	1098	0.022	ng	# 91
32) Benzo(a)anthracene	21.507	228	1288	0.028	ng	# 43
33) Chrysene	21.569	228	1727	0.038	ng	# 56
34) Bis(2-ethylhexyl)phtha...	21.372	149	2927	0.095	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.604	276	1094	0.022	ng	# 80
37) Benzo(b)fluoranthene	23.241	252	2339	0.049	ng	# 1
41) Benzo(g,h,i)perylene	27.416	276	1093	0.026	ng	# 4

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

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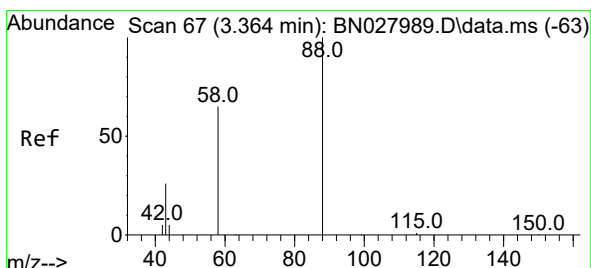
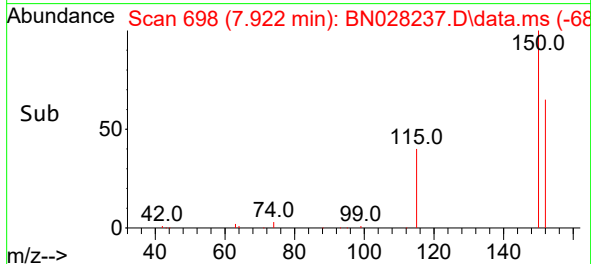
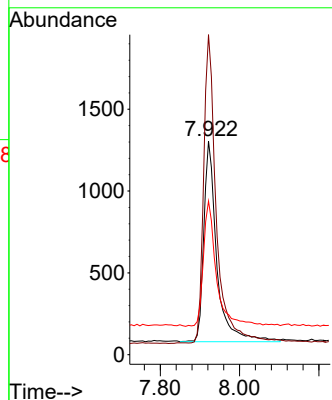
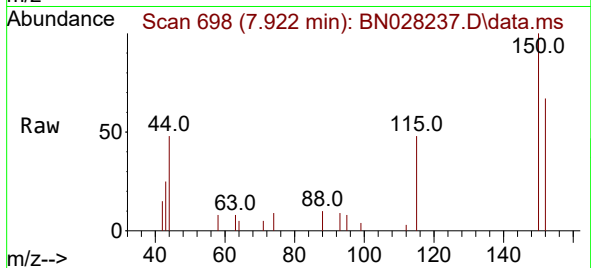




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.922 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN028237.D
 Acq: 11 Oct 2023 17:49

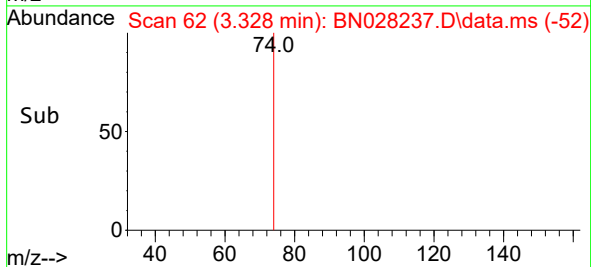
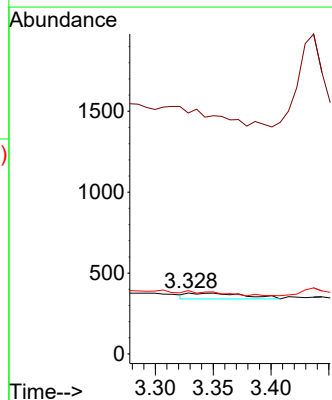
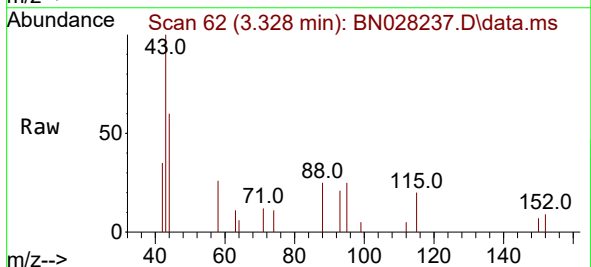
Instrument :
 BNA_N
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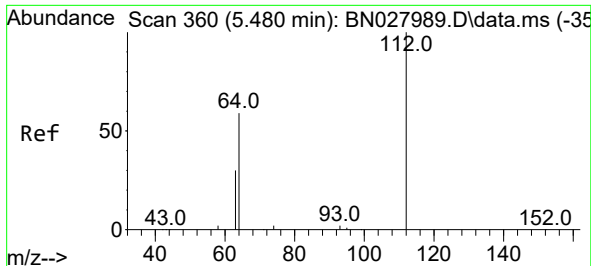
Tgt Ion:152 Resp: 2796
 Ion Ratio Lower Upper
 152 100
 150 149.8 125.6 188.4
 115 71.9 54.8 82.2



#2
 1,4-Dioxane
 Concen: 0.038 ng
 RT: 3.328 min Scan# 62
 Delta R.T. -0.029 min
 Lab File: BN028237.D
 Acq: 11 Oct 2023 17:49

Tgt Ion: 88 Resp: 120
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.6 36.8#
 58 0.0 53.8 80.6#

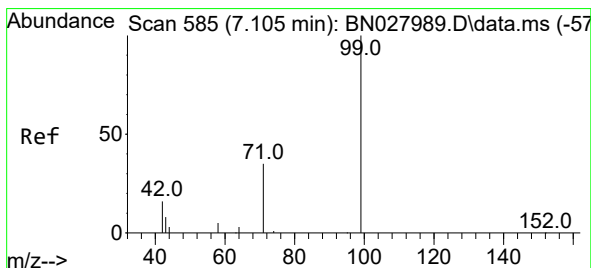
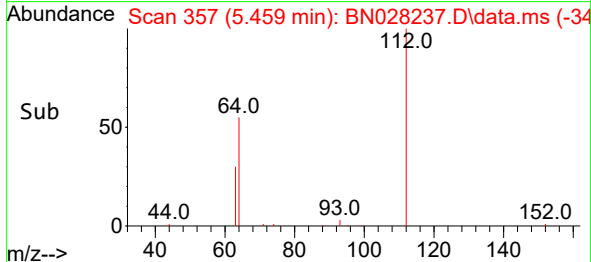
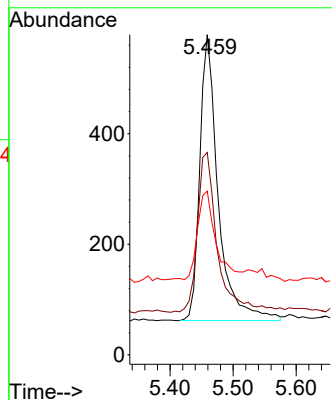
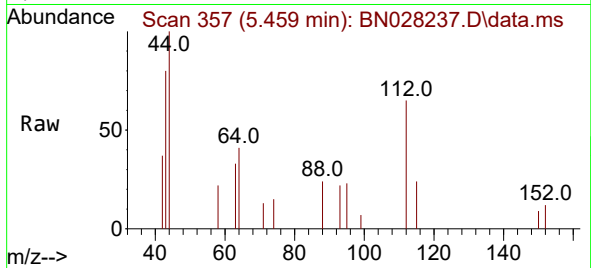




#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.459 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

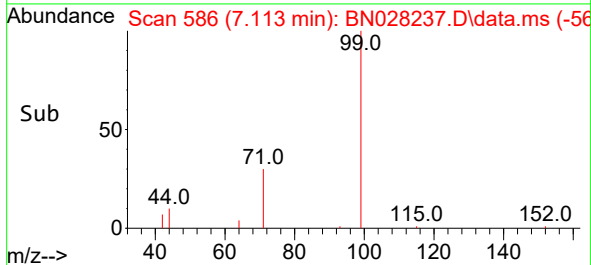
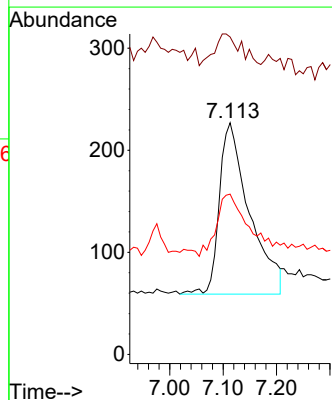
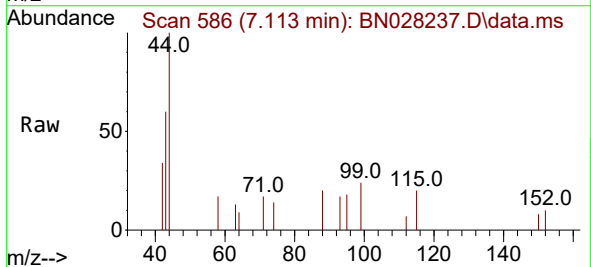
Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

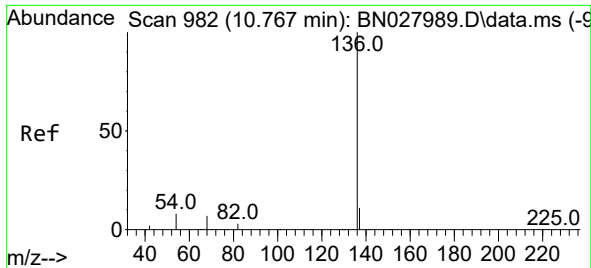
Tgt Ion:112 Resp: 1046
Ion Ratio Lower Upper
112 100
64 61.2 45.0 67.6
63 30.8 23.4 35.0



#5
Phenol-d6
Concen: 0.062 ng
RT: 7.113 min Scan# 586
Delta R.T. 0.022 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion: 99 Resp: 657
Ion Ratio Lower Upper
99 100
42 15.5 14.6 22.0
71 39.7 28.3 42.5

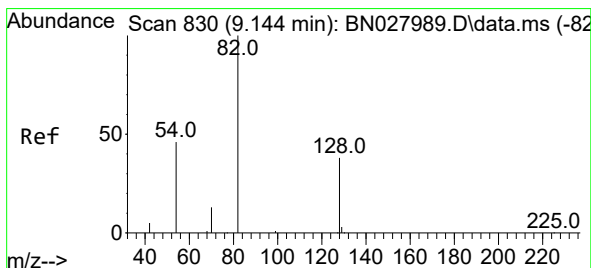
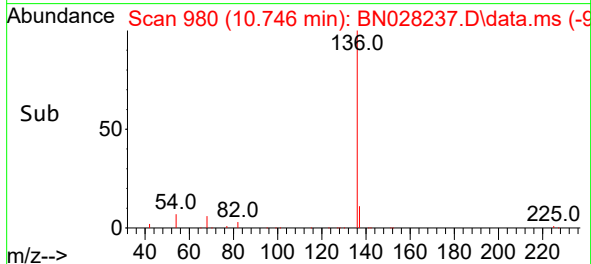
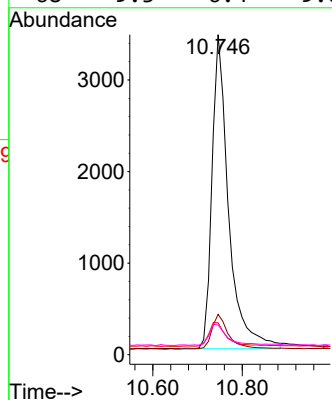
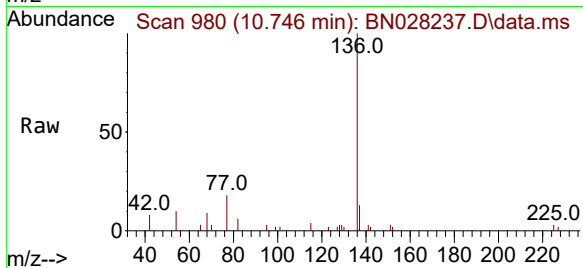




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.746 min Scan# 982
Delta R.T. 0.011 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

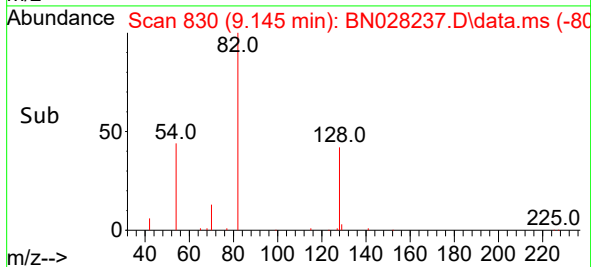
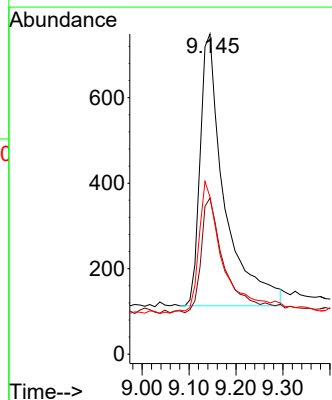
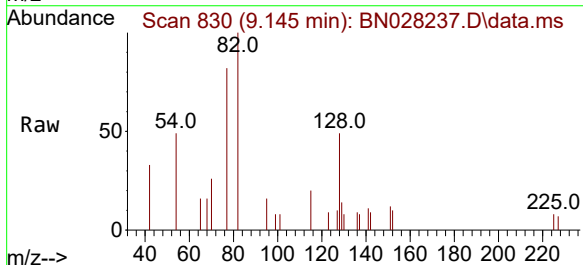
Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

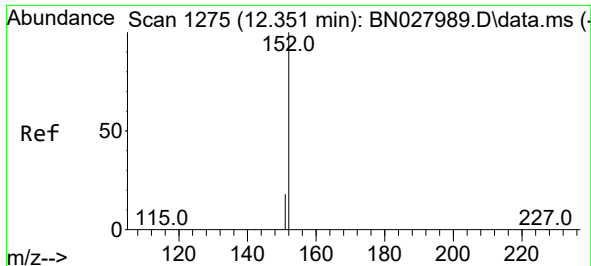
Tgt Ion:	136	Resp:	8839
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.4	14.0
54	10.0	7.0	10.6
68	9.3	6.4	9.6



#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 9.145 min Scan# 830
Delta R.T. 0.021 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion:	82	Resp:	2284
Ion	Ratio	Lower	Upper
82	100		
128	48.7	32.7	49.1
54	49.1	38.7	58.1

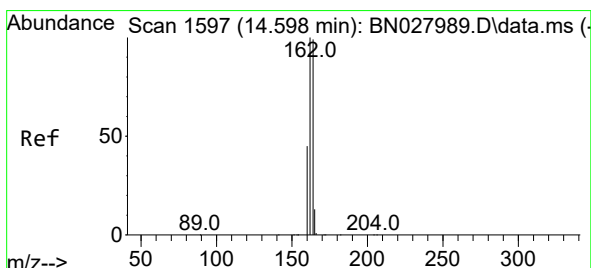
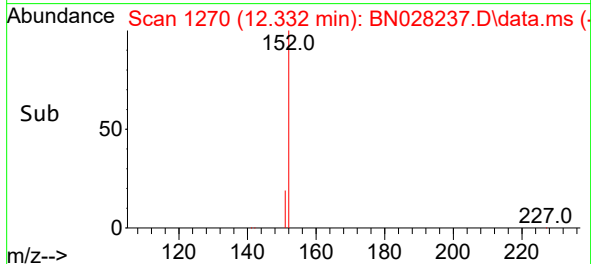
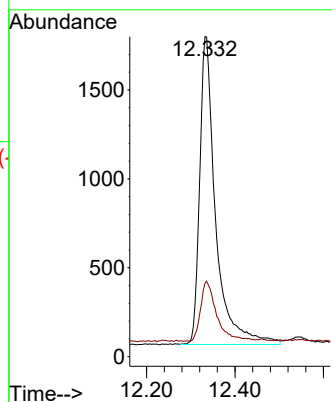
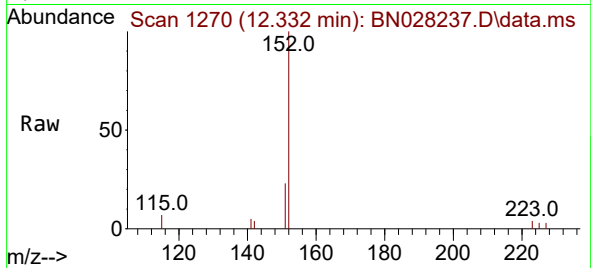




#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.332 min Scan# 11
Delta R.T. 0.008 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

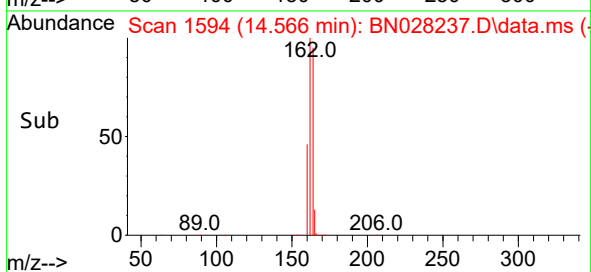
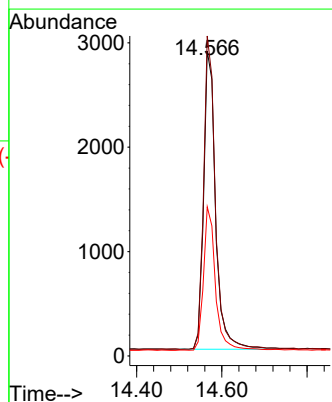
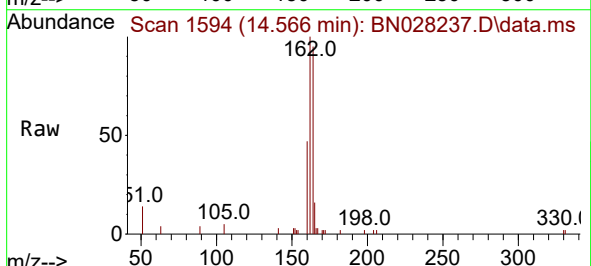
Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

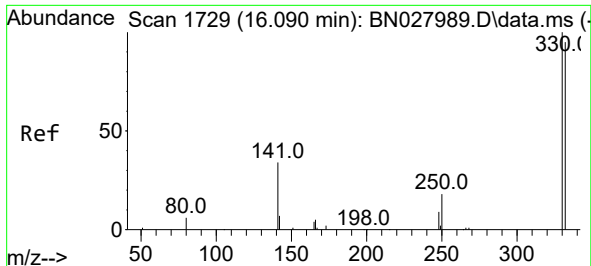
Tgt Ion:152 Resp: 4346
Ion Ratio Lower Upper
152 100
151 19.5 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

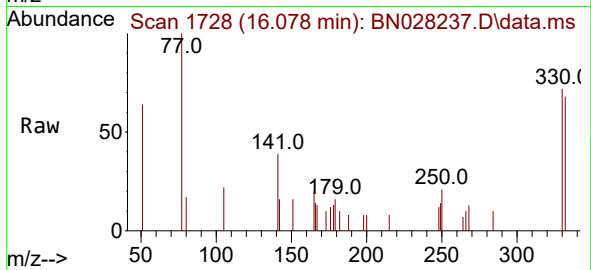
Tgt Ion:164 Resp: 5565
Ion Ratio Lower Upper
164 100
162 104.9 80.8 121.2
160 48.9 36.4 54.6



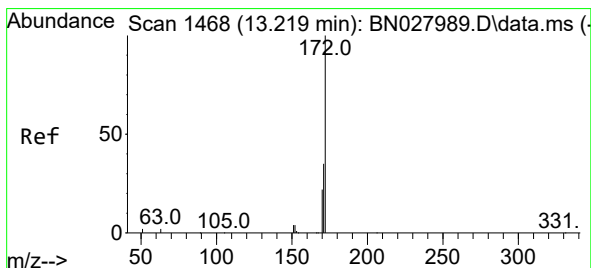
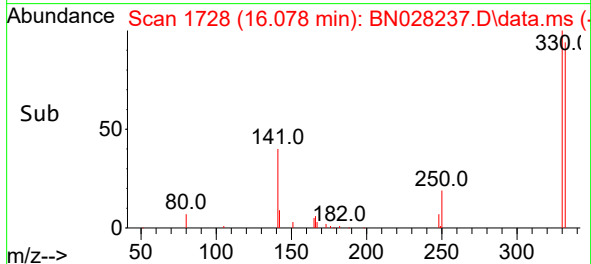
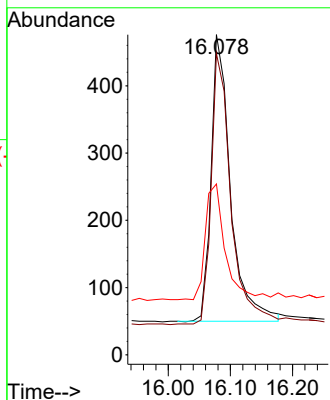


#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 16.078 min Scan# 1729
Delta R.T. 0.000 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

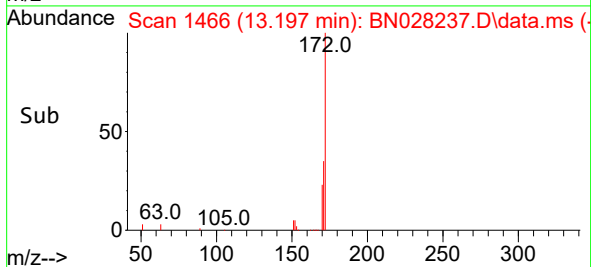
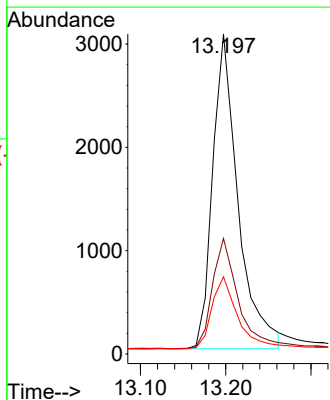
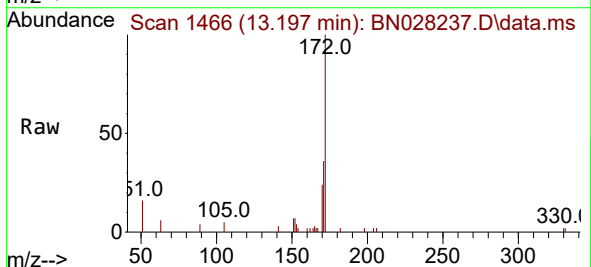


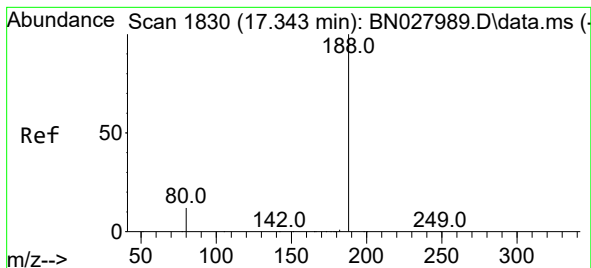
Tgt Ion:330 Resp: 925
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 41.4 33.4 50.2



#15
2-Fluorobiphenyl
Concen: 0.315 ng
RT: 13.197 min Scan# 1466
Delta R.T. 0.011 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion:172 Resp: 6319
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.1 18.4 27.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.331 min Scan# 1829

Delta R.T. 0.012 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

Instrument :

BNA_N

ClientSampleId :

SP-303-20231005

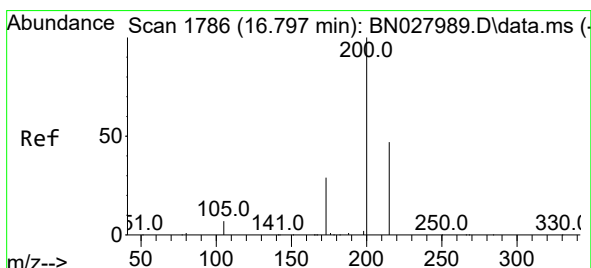
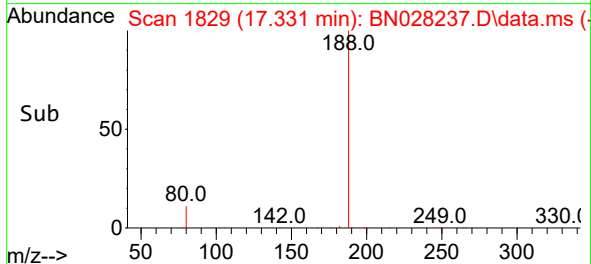
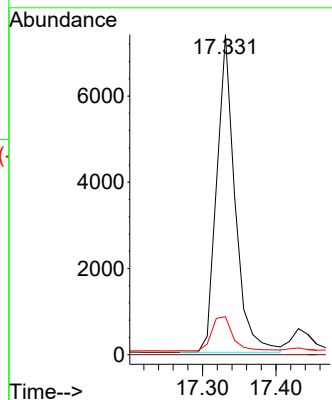
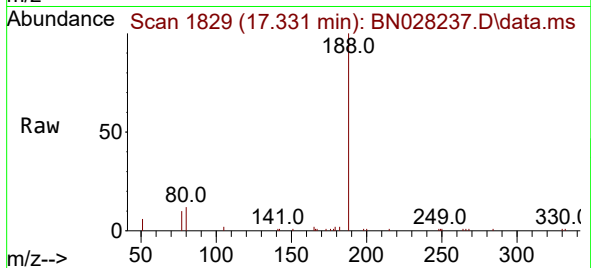
Tgt Ion:188 Resp: 12770

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.8 10.2 15.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.024 ng

RT: 16.835 min Scan# 1789

Delta R.T. 0.050 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

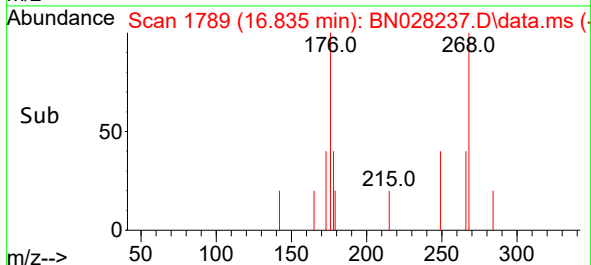
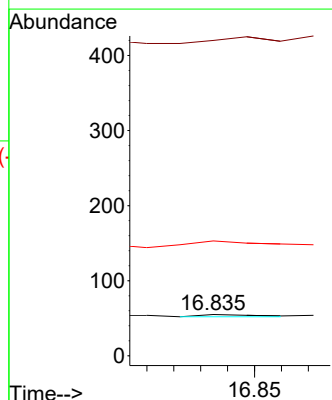
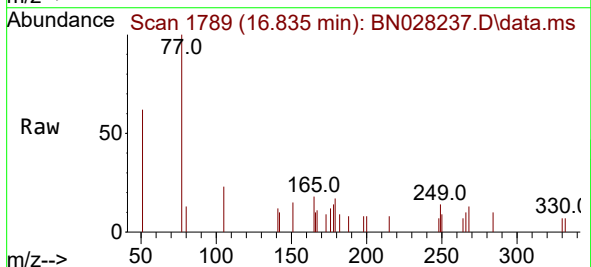
Tgt Ion:198 Resp: 4

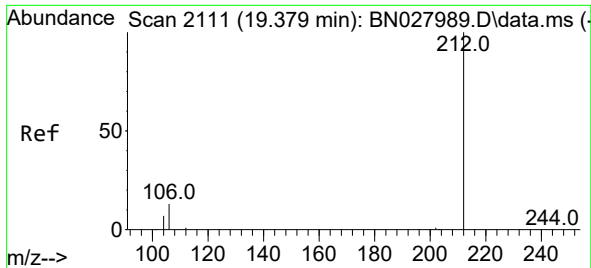
Ion Ratio Lower Upper

198 100

51 763.6 180.7 271.1#

105 278.2 222.2 333.2

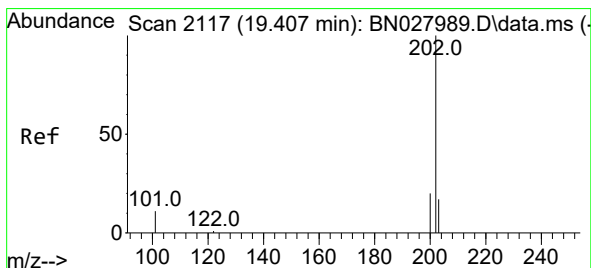
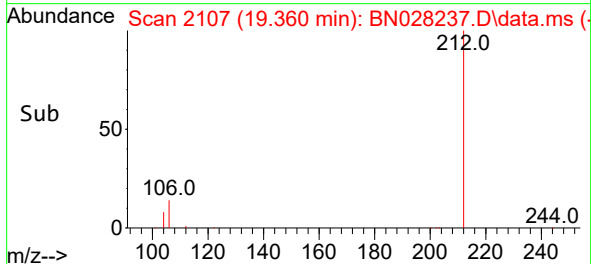
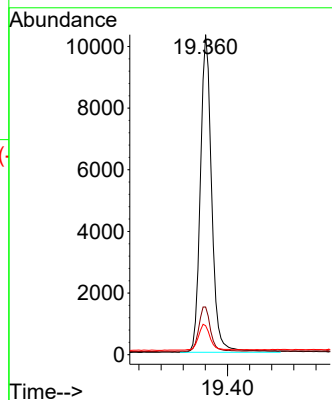
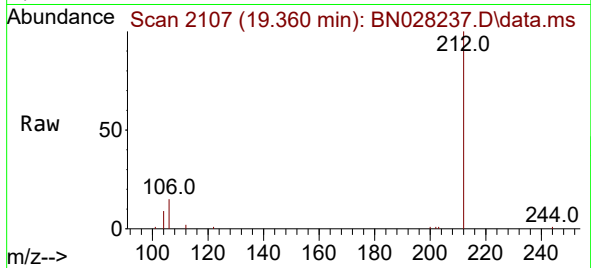




#27
Fluoranthene-d10
Concen: 0.458 ng
RT: 19.360 min Scan# 2111
Delta R.T. 0.005 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

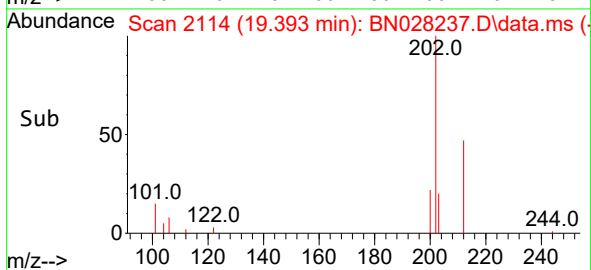
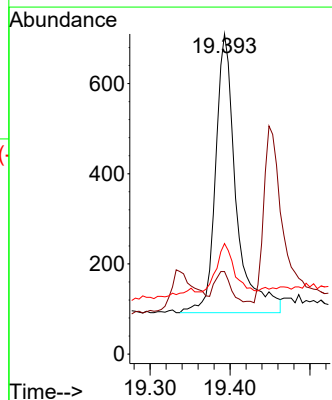
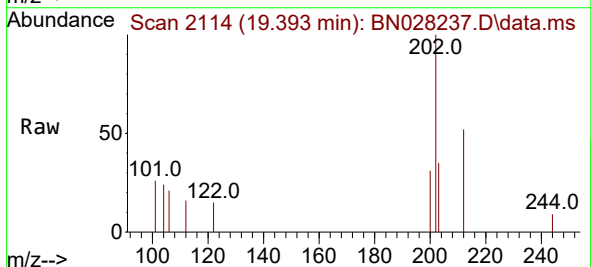
Instrument :
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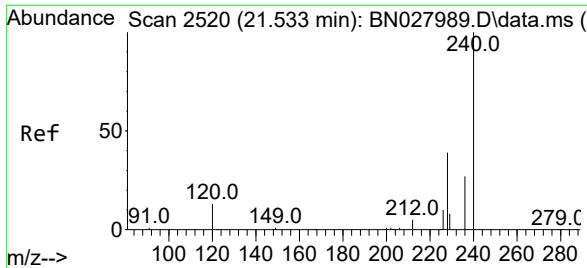
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Ion Ratio Lower Upper
212 100
106 14.6 11.3 16.9
104 8.3 6.4 9.6



#28
Fluoranthene
Concen: 0.028 ng
RT: 19.393 min Scan# 2114
Delta R.T. 0.009 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion:202 Resp: 1101
Ion Ratio Lower Upper
202 100
101 9.7 9.8 14.6#
203 15.3 13.8 20.8

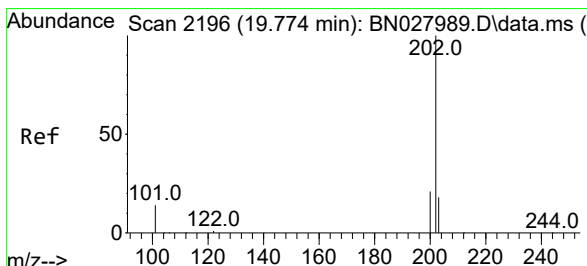
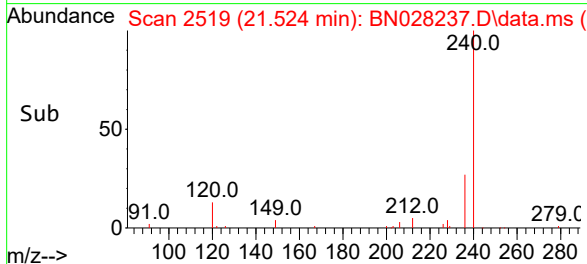
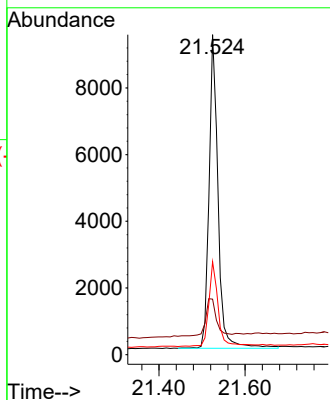
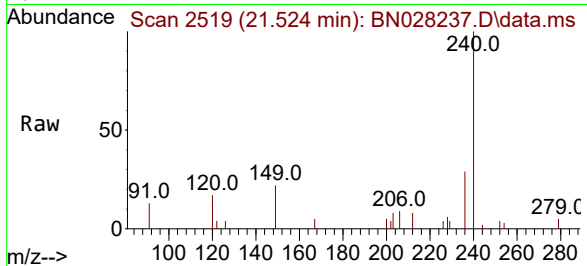




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.524 min Scan# 21519
Delta R.T. 0.009 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

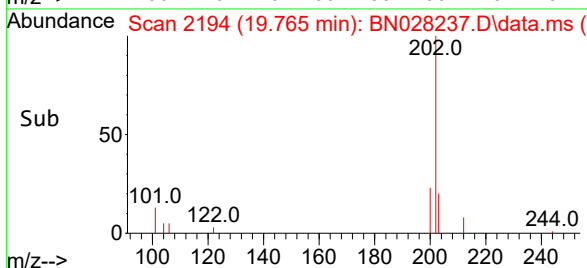
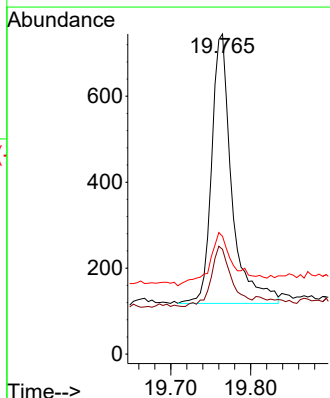
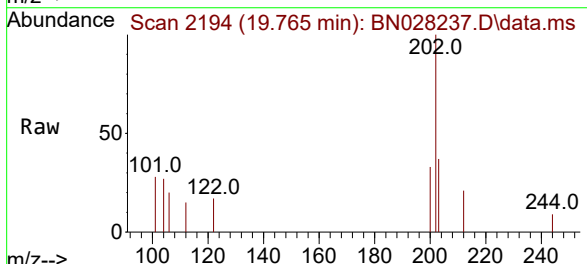
Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

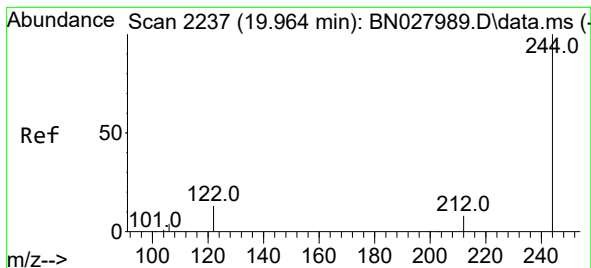
Tgt Ion:240 Resp: 13701
Ion Ratio Lower Upper
240 100
120 17.4 13.8 20.6
236 29.0 22.6 33.8



#30
Pyrene
Concen: 0.022 ng
RT: 19.765 min Scan# 2194
Delta R.T. 0.014 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion:202 Resp: 1098
Ion Ratio Lower Upper
202 100
200 22.6 16.5 24.7
203 25.0 14.7 22.1#





#31

Terphenyl-d14

Concen: 0.470 ng

RT: 19.946 min Scan# 21

Delta R.T. 0.005 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

Instrument :

BNA_N

ClientSampleId :

SP-303-20231005

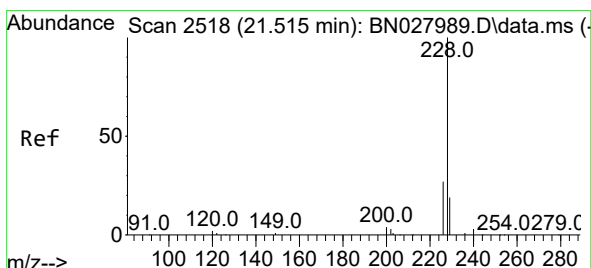
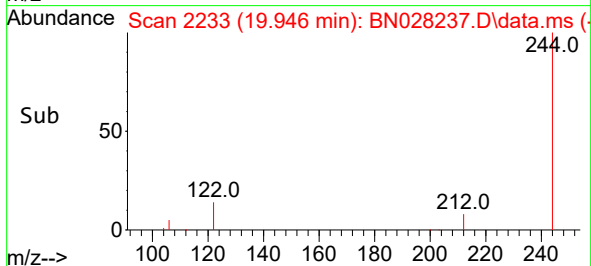
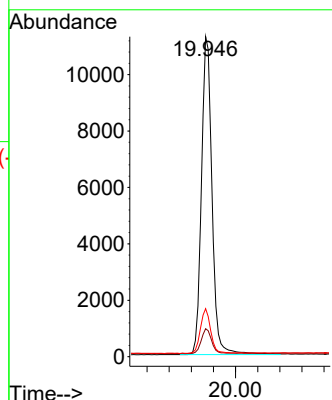
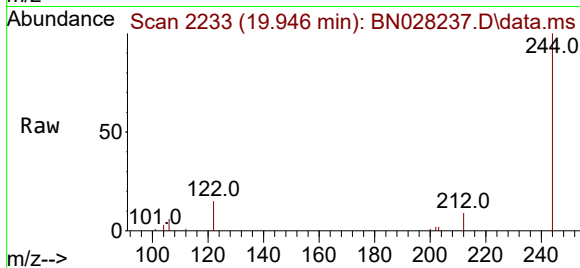
Tgt Ion:244 Resp: 15018

Ion Ratio Lower Upper

244 100

212 8.8 6.6 9.8

122 15.0 11.4 17.0



#32

Benzo(a)anthracene

Concen: 0.028 ng

RT: 21.507 min Scan# 2517

Delta R.T. 0.009 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

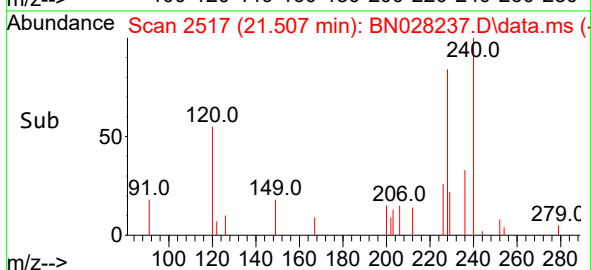
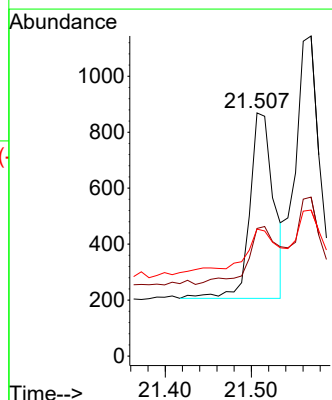
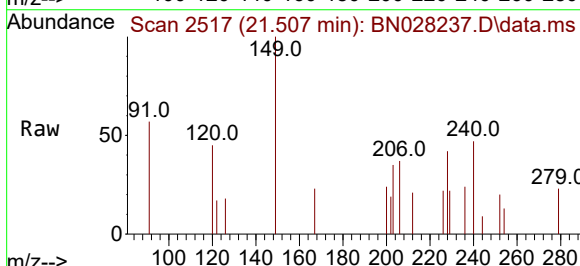
Tgt Ion:228 Resp: 1288

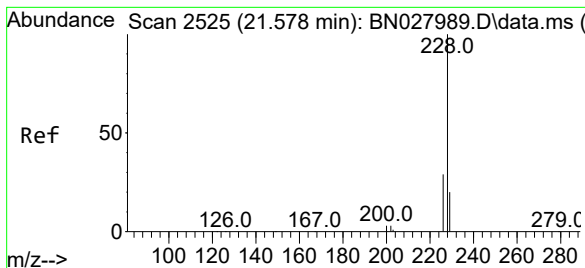
Ion Ratio Lower Upper

228 100

226 52.5 22.0 33.0#

229 52.2 16.0 24.0#





#33

Chrysene

Concen: 0.038 ng

RT: 21.569 min Scan# 21569

Delta R.T. 0.018 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

Instrument :

BNA_N

ClientSampleId :

SP-303-20231005

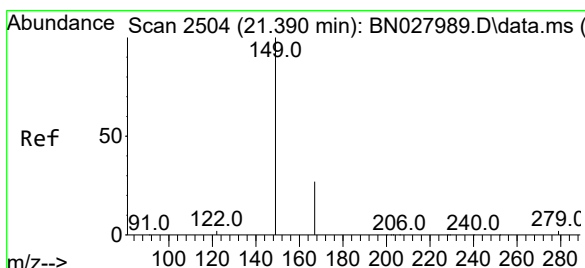
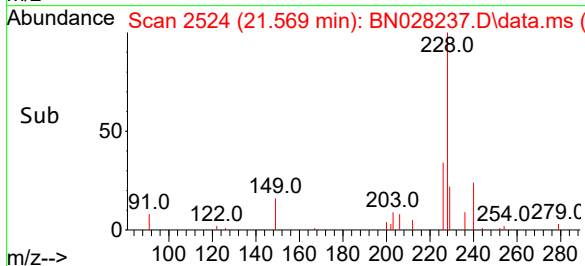
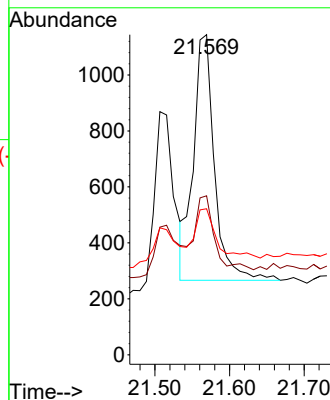
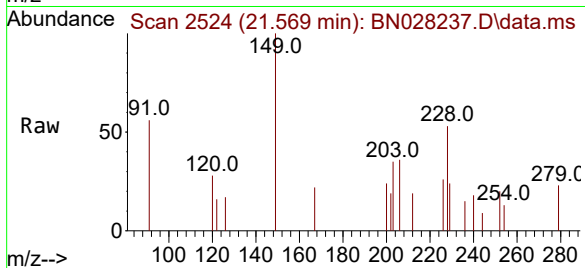
Tgt Ion:228 Resp: 1727

Ion Ratio Lower Upper

228 100

226 49.7 23.8 35.8#

229 45.6 16.6 25.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.095 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

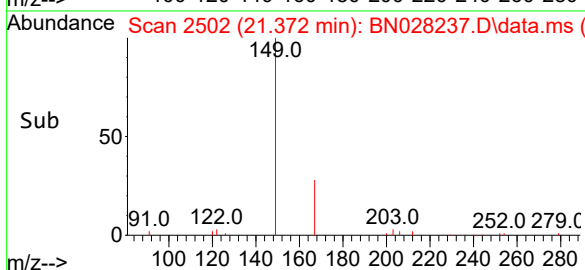
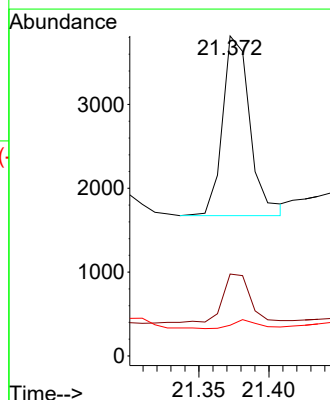
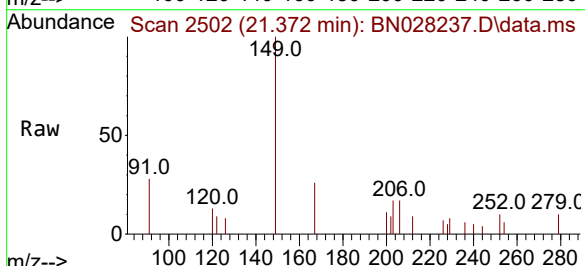
Tgt Ion:149 Resp: 2927

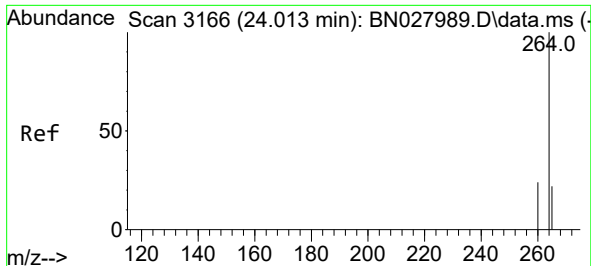
Ion Ratio Lower Upper

149 100

167 28.7 22.1 33.1

279 4.7 3.4 5.0

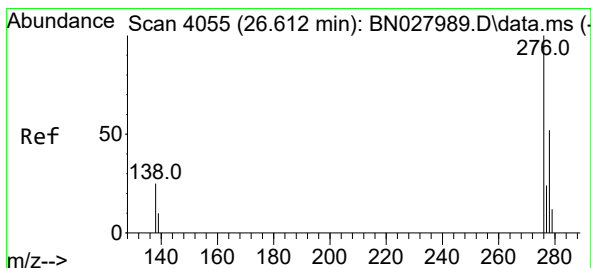
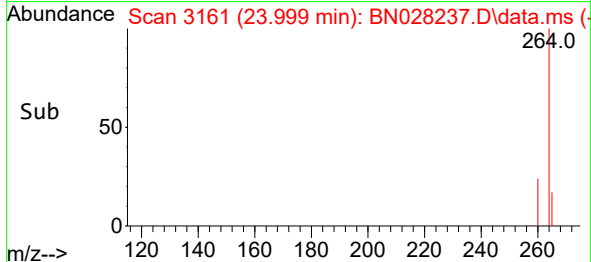
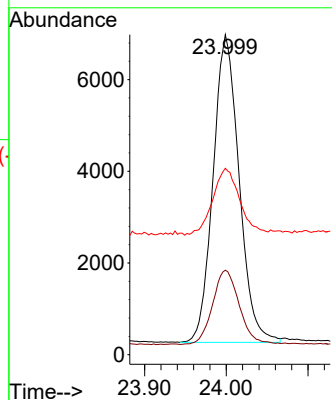
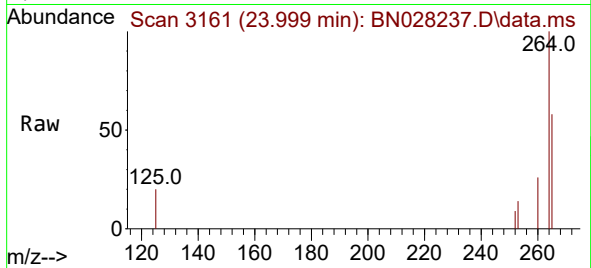




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.999 min Scan# 3161
Delta R.T. 0.023 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

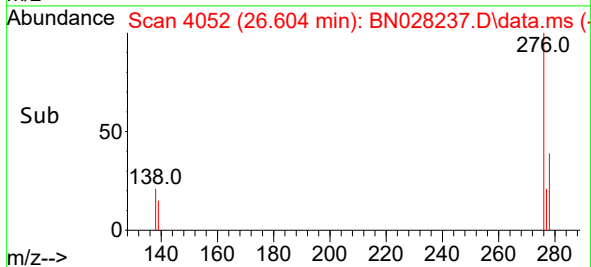
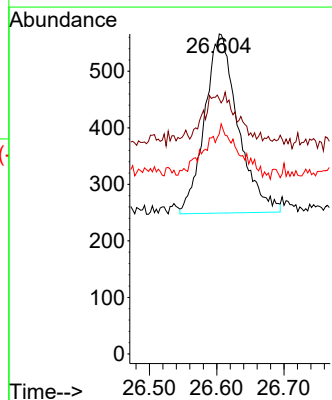
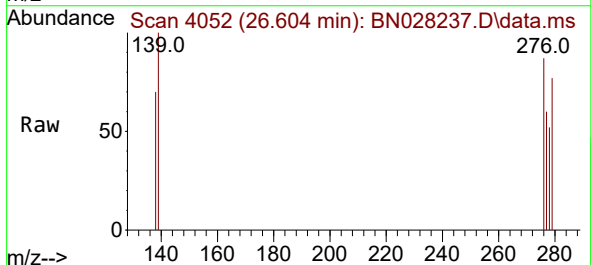
Instrument :
BNA_N
ClientSampleId :
SP-303-20231005

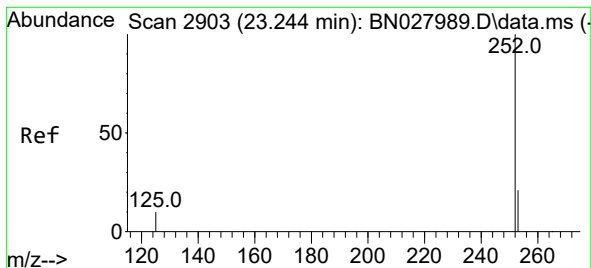
Tgt Ion:264 Resp: 14824
Ion Ratio Lower Upper
264 100
260 26.4 20.2 30.4
265 58.2 54.8 82.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 26.604 min Scan# 4052
Delta R.T. 0.047 min
Lab File: BN028237.D
Acq: 11 Oct 2023 17:49

Tgt Ion:276 Resp: 1094
Ion Ratio Lower Upper
276 100
138 12.5 20.9 31.3#
277 18.6 19.8 29.6#





#37

Benzo(b)fluoranthene

Concen: 0.049 ng

RT: 23.241 min Scan# 2903

Delta R.T. 0.029 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

Instrument :

BNA_N

ClientSampleId :

SP-303-20231005

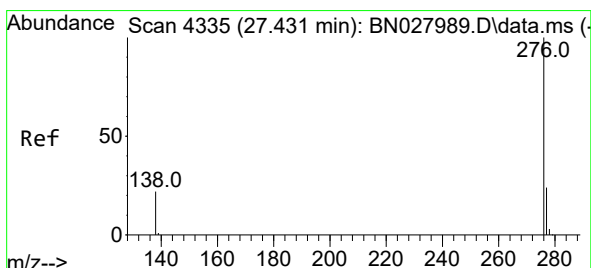
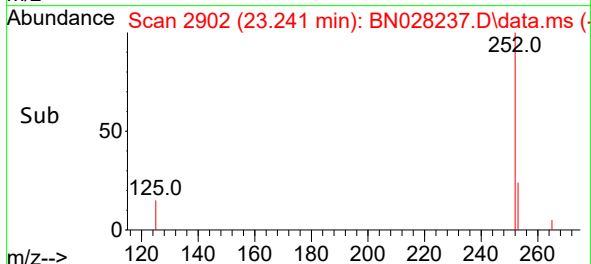
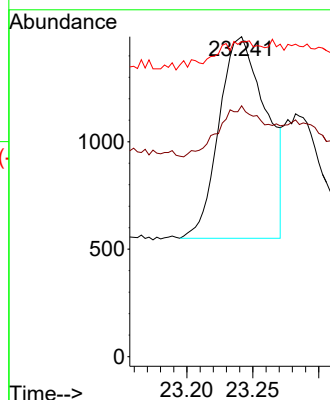
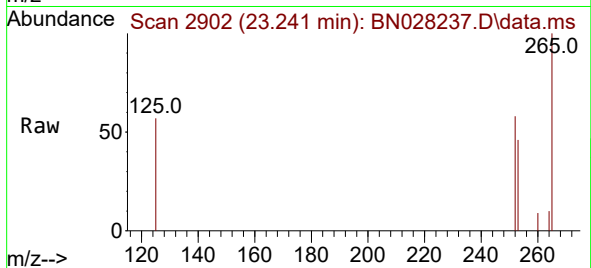
Tgt Ion:252 Resp: 2339

Ion Ratio Lower Upper

252 100

253 78.4 22.9 34.3#

125 98.5 13.8 20.8#



#41

Benzo(g,h,i)perylene

Concen: 0.026 ng

RT: 27.416 min Scan# 4330

Delta R.T. 0.050 min

Lab File: BN028237.D

Acq: 11 Oct 2023 17:49

Tgt Ion:276 Resp: 1093

Ion Ratio Lower Upper

276 100

277 70.9 22.1 33.1#

138 82.2 20.8 31.2#

