

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
 Data File : BN028253.D
 Acq On : 12 Oct 2023 04:03
 Operator : MA/JU
 Sample : 04805-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP-02

Quant Time: Oct 12 04:33:13 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)

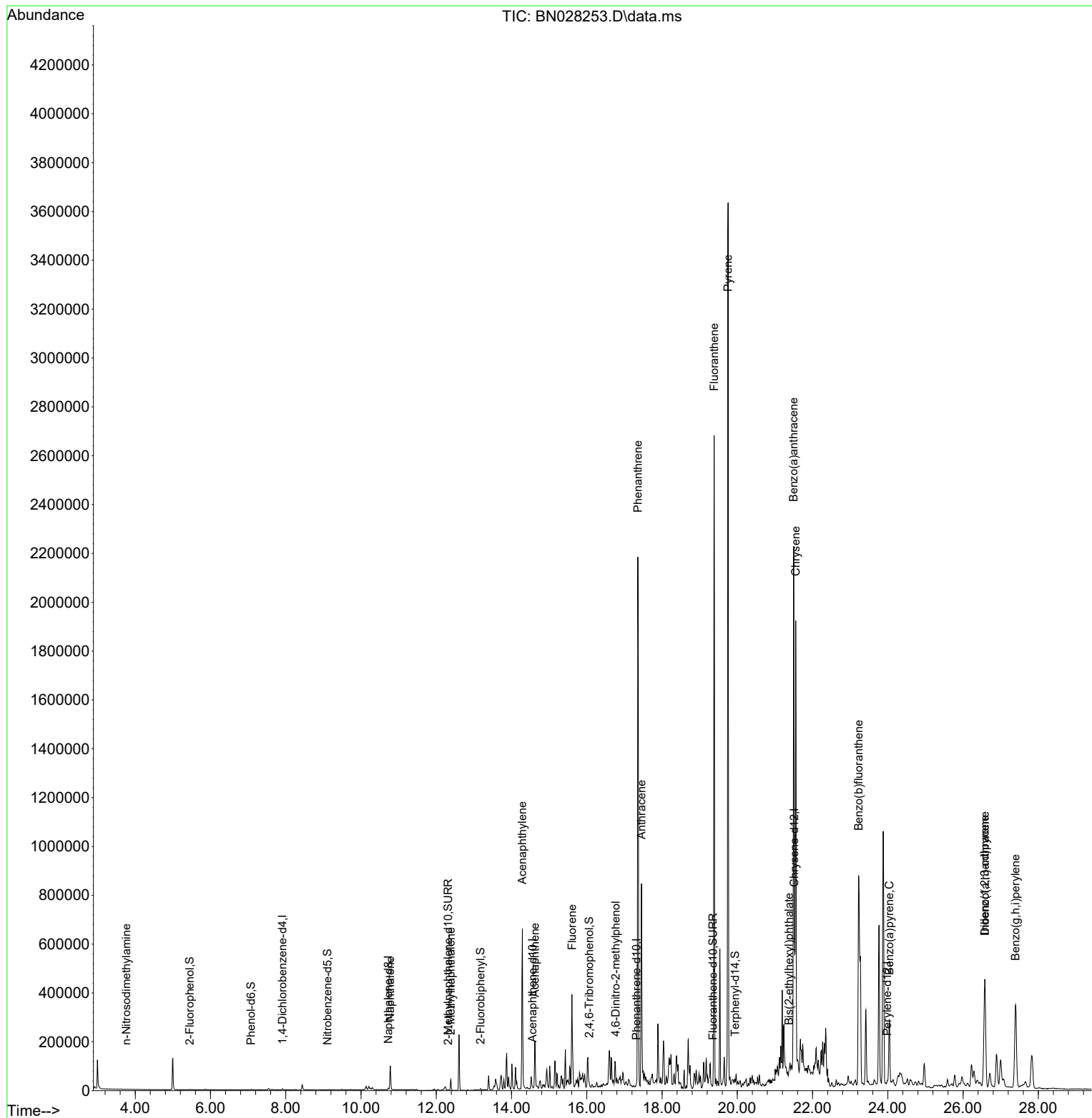
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.914	152	2429	0.400	ng	0.00
7) Naphthalene-d8	10.725	136	8706	0.400	ng	-0.01
13) Acenaphthene-d10	14.555	164	6630	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	12719	0.400	ng	0.00
29) Chrysene-d12	21.515	240	22691	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	24087	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.452	112	1871	0.258	ng	-0.01
5) Phenol-d6	7.077	99	2314	0.253	ng	-0.01
8) Nitrobenzene-d5	9.112	82	1833	0.247	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	2987	0.232	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	684	0.225	ng	-0.01
15) 2-Fluorobiphenyl	13.176	172	4307	0.180	ng	-0.01
27) Fluoranthene-d10	19.351	212	8729	0.273	ng	0.00
31) Terphenyl-d14	19.941	244	9034	0.171	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.762	42	68	0.022	ng	# 1
9) Naphthalene	10.778	128	127242	5.657	ng	99
12) 2-Methylnaphthalene	12.385	142	31507	2.002	ng	97
16) Acenaphthylene	14.288	152	723839	24.645	ng	99
17) Acenaphthene	14.619	154	96449	5.152	ng	95
18) Fluorene	15.606	166	287387	11.819	ng	# 92
20) 4,6-Dinitro-2-methylph...	16.773	198	651	3.851	ng	# 15
25) Phenanthrene	17.356	178	2392955	69.786	ng	99
26) Anthracene	17.455	178	916149	28.267	ng	# 92
28) Fluoranthene	19.384	202	2374366	59.999	ng	99
30) Pyrene	19.755	202	3168911	38.085	ng	97
32) Benzo(a)anthracene	21.497	228	1889417	24.470	ng	97
33) Chrysene	21.551	228	1615091	21.705	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	7638	0.150	ng	98
36) Indeno(1,2,3-cd)pyrene	26.577	276	779457	9.621	ng	97
37) Benzo(b)fluoranthene	23.224	252	1712766	22.017	ng	# 88
39) Benzo(a)pyrene	24.039	252	340528	4.629	ng	92
40) Dibenzo(a,h)anthracene	26.580	278	240252	3.625	ng	98
41) Benzo(g,h,i)perylene	27.393	276	780627	11.475	ng	95

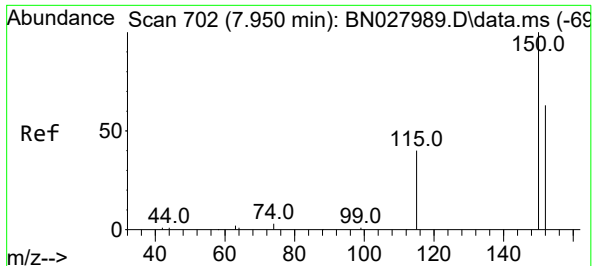
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101123\
Data File : BN028253.D
Acq On : 12 Oct 2023 04:03
Operator : MA/JU
Sample : 04805-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DUP-02

Quant Time: Oct 12 04:33:13 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

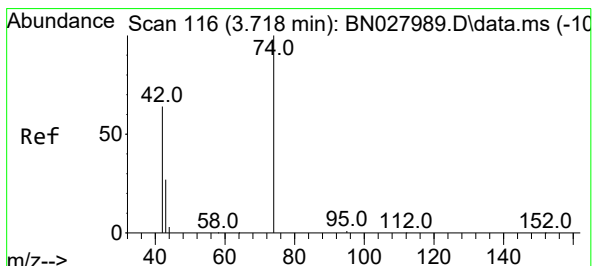
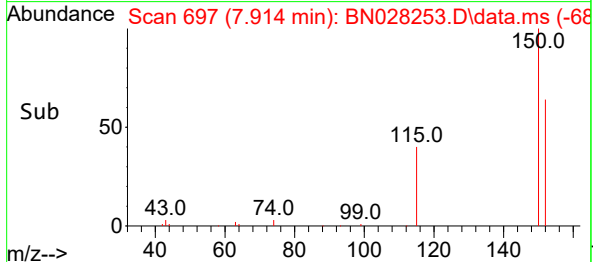
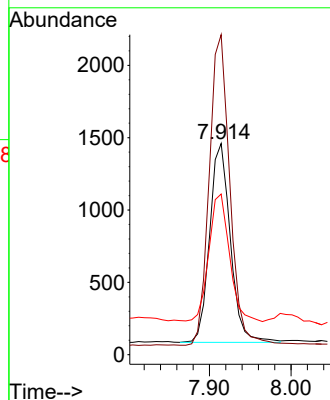
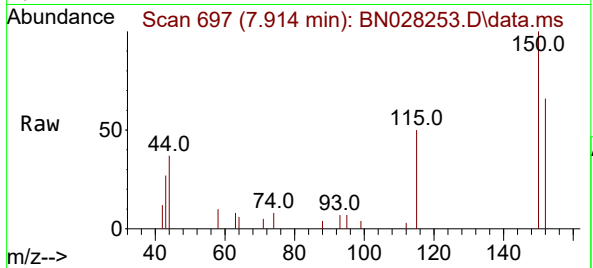




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.914 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

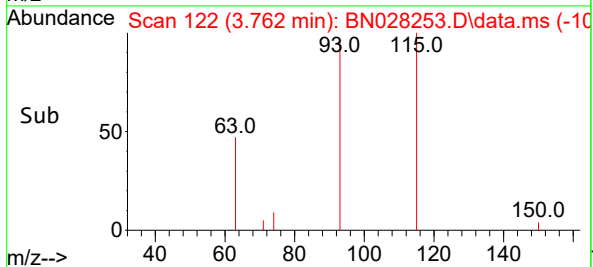
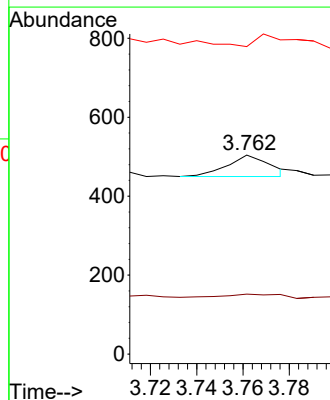
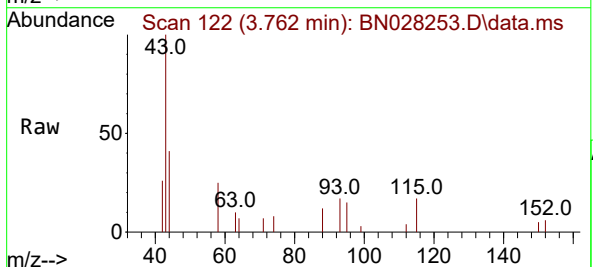
Instrument :
BNA_N
ClientSampleId :
DUP-02

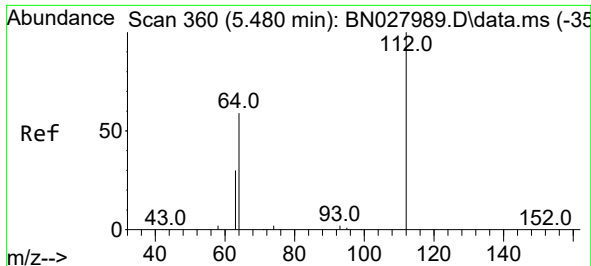
Tgt Ion:152 Resp: 2429
Ion Ratio Lower Upper
152 100
150 151.5 125.6 188.4
115 76.1 54.8 82.2



#3
n-Nitrosodimethylamine
Concen: 0.022 ng
RT: 3.762 min Scan# 122
Delta R.T. 0.050 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
74 13.2 115.9 173.9#
44 30.9 8.0 12.0#

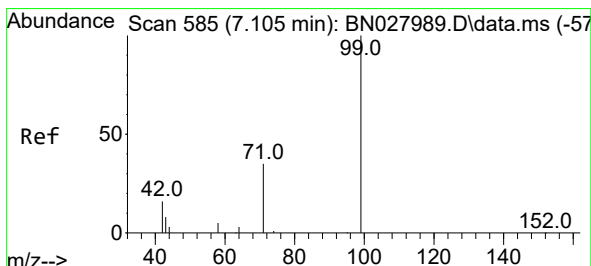
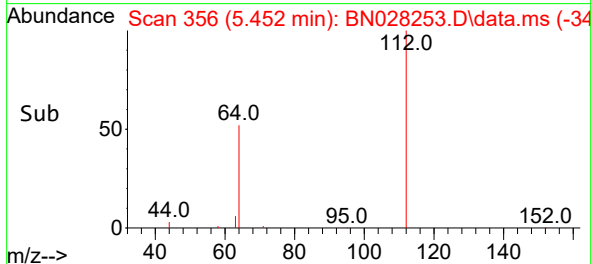
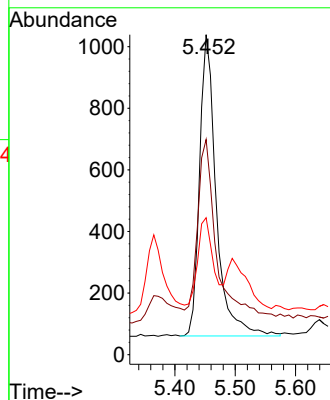
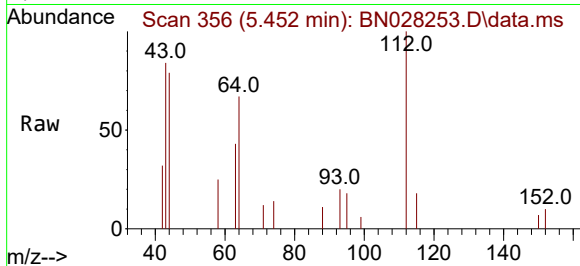




#4
2-Fluorophenol
Concen: 0.258 ng
RT: 5.452 min Scan# 311
Delta R.T. -0.015 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

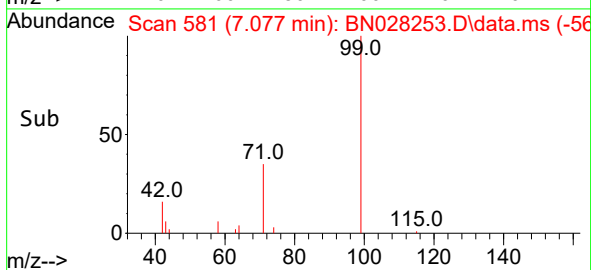
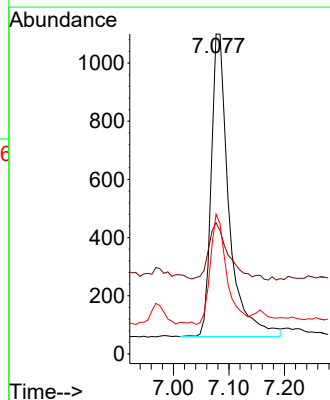
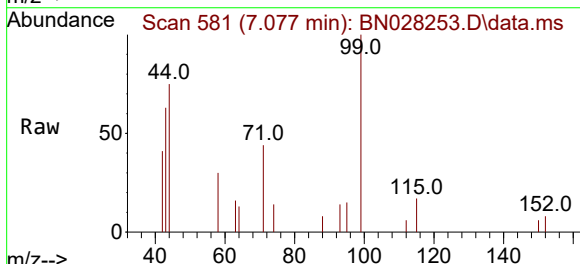
Instrument :
BNA_N
ClientSampleId :
DUP-02

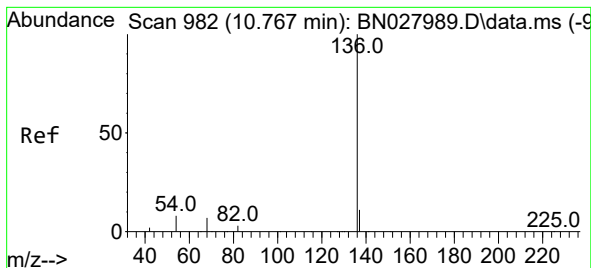
Tgt Ion:112 Resp: 1871
Ion Ratio Lower Upper
112 100
64 63.6 45.0 67.6
63 25.9 23.4 35.0



#5
Phenol-d6
Concen: 0.253 ng
RT: 7.077 min Scan# 581
Delta R.T. -0.015 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion: 99 Resp: 2314
Ion Ratio Lower Upper
99 100
42 21.4 14.6 22.0
71 33.7 28.3 42.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.725 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

Tgt Ion:136 Resp: 8706

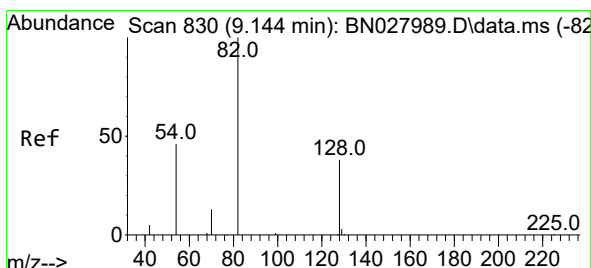
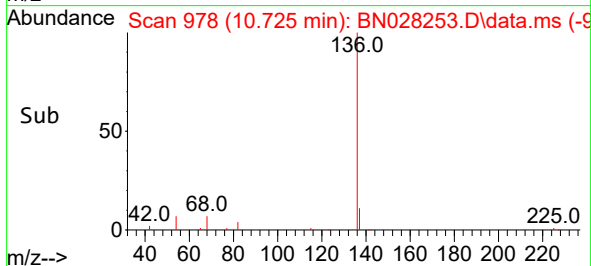
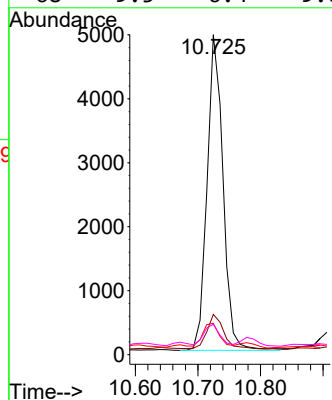
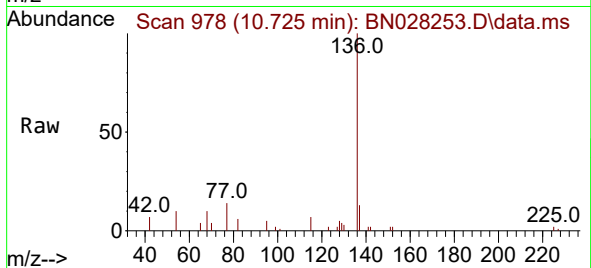
Ion Ratio Lower Upper

136 100

137 12.6 9.4 14.0

54 9.8 7.0 10.6

68 9.5 6.4 9.6



#8

Nitrobenzene-d5

Concen: 0.247 ng

RT: 9.112 min Scan# 827

Delta R.T. -0.011 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

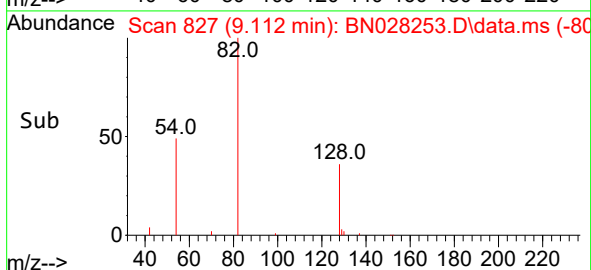
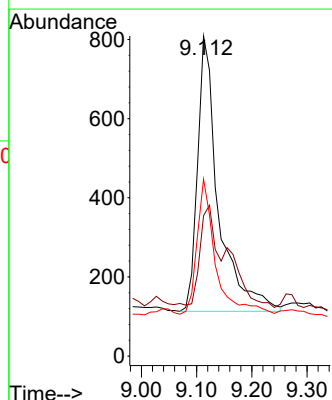
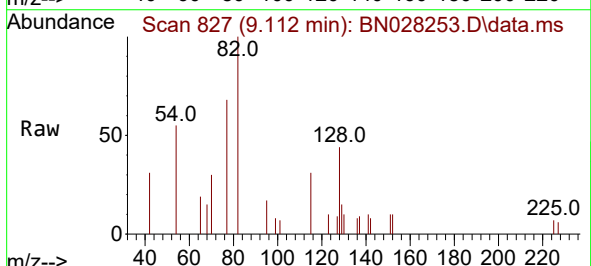
Tgt Ion: 82 Resp: 1833

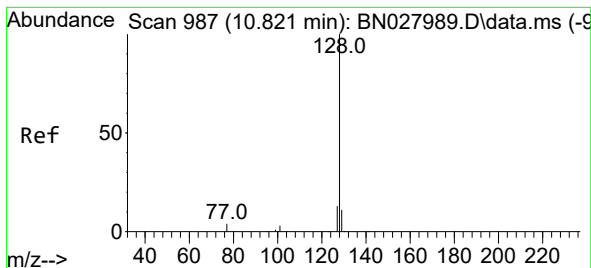
Ion Ratio Lower Upper

82 100

128 43.9 32.7 49.1

54 55.3 38.7 58.1





#9

Naphthalene

Concen: 5.657 ng

RT: 10.778 min Scan# 9

Delta R.T. -0.011 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

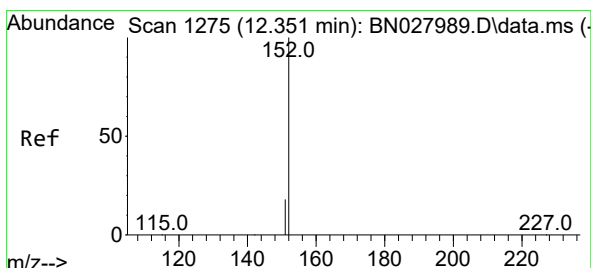
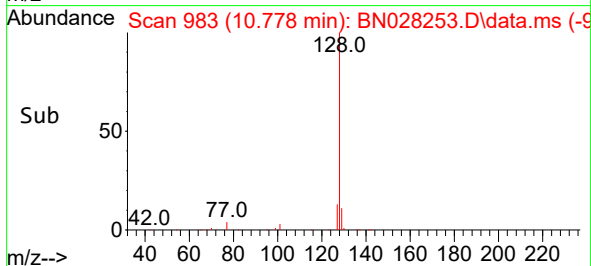
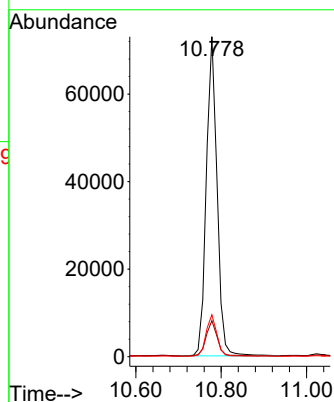
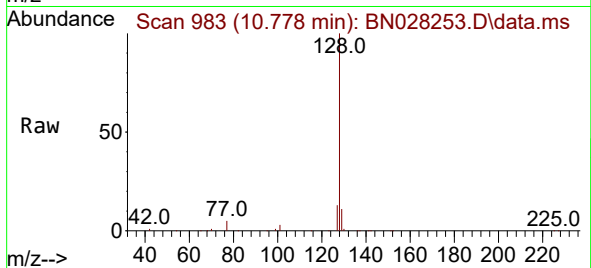
Tgt Ion:128 Resp: 127242

Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.2

127 13.1 10.9 16.3



#11

2-Methylnaphthalene-d10

Concen: 0.232 ng

RT: 12.313 min Scan# 1265

Delta R.T. -0.011 min

Lab File: BN028253.D

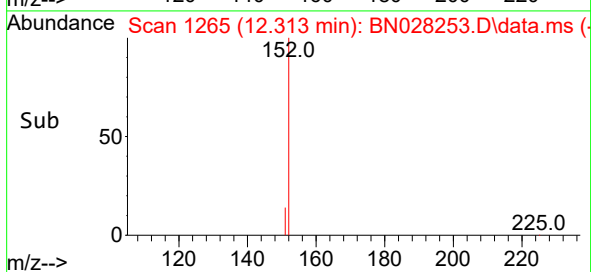
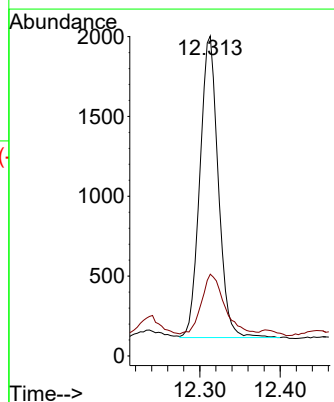
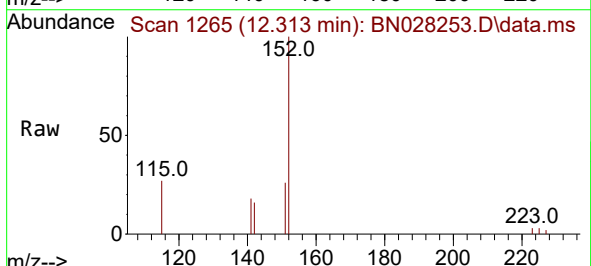
Acq: 12 Oct 2023 04:03

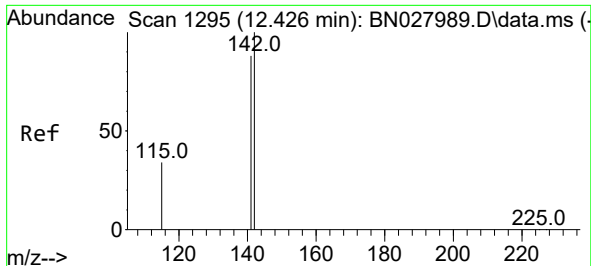
Tgt Ion:152 Resp: 2987

Ion Ratio Lower Upper

152 100

151 24.7 16.5 24.7

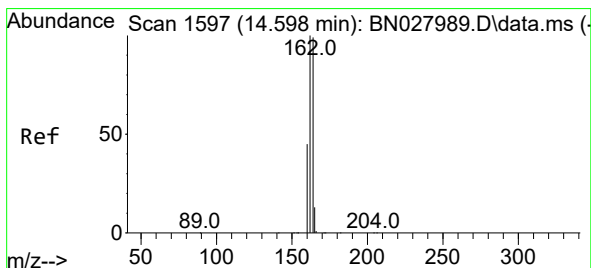
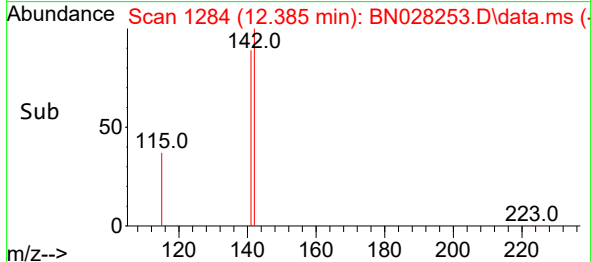
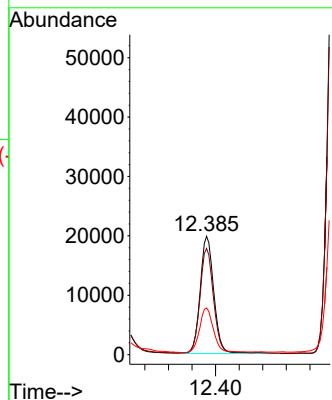
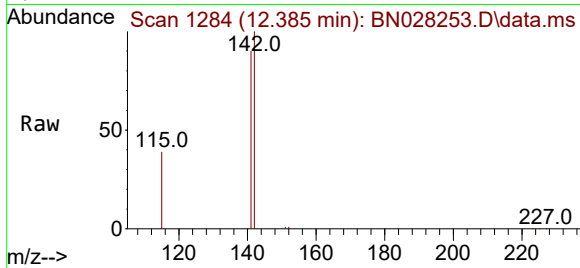




#12
2-Methylnaphthalene
Concen: 2.002 ng
RT: 12.385 min Scan# 11
Delta R.T. -0.015 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

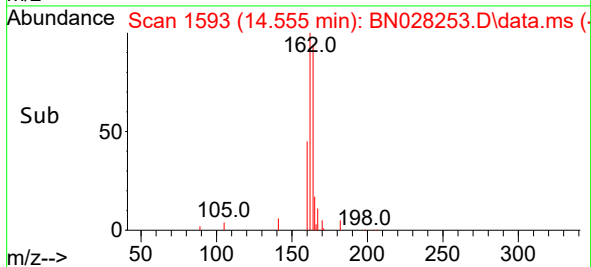
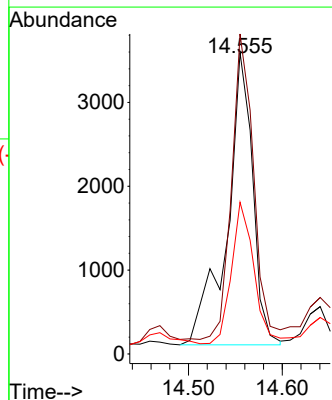
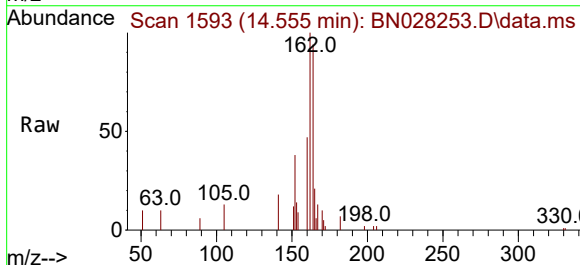
Instrument :
BNA_N
ClientSampleId :
DUP-02

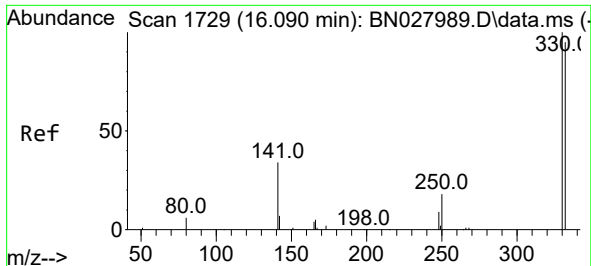
Tgt Ion:142 Resp: 31507
Ion Ratio Lower Upper
142 100
141 89.8 70.7 106.1
115 39.5 28.6 42.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.555 min Scan# 1593
Delta R.T. -0.011 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion:164 Resp: 6630
Ion Ratio Lower Upper
164 100
162 106.2 80.8 121.2
160 50.3 36.4 54.6

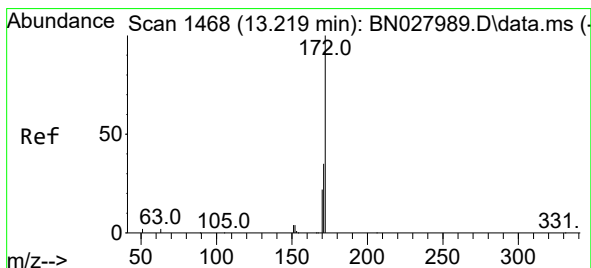
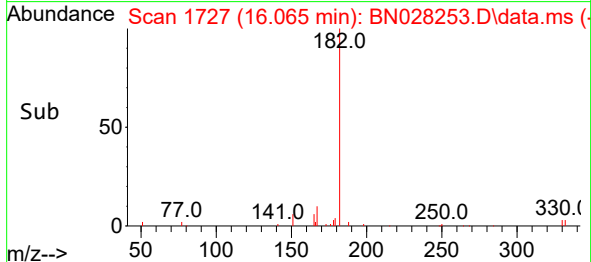
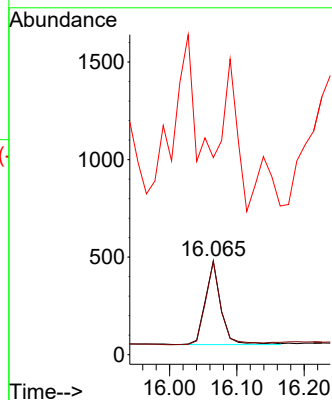
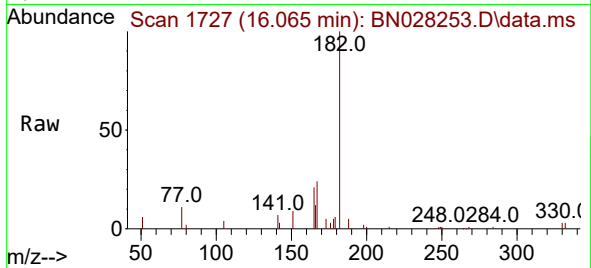




#14
2,4,6-Tribromophenol
Concen: 0.225 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.012 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

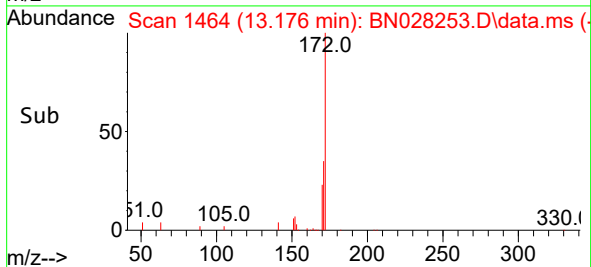
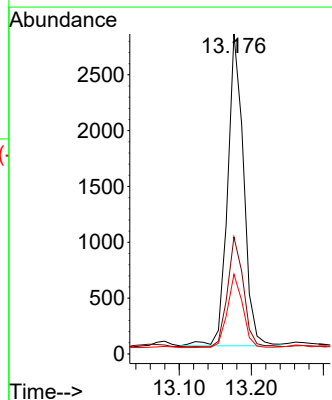
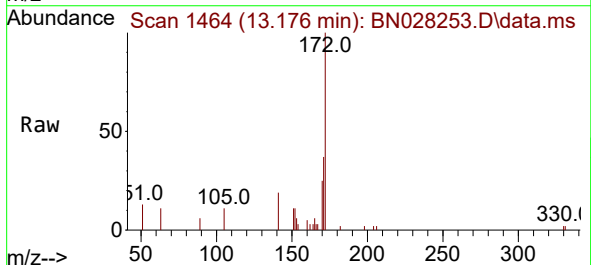
Instrument :
BNA_N
ClientSampleId :
DUP-02

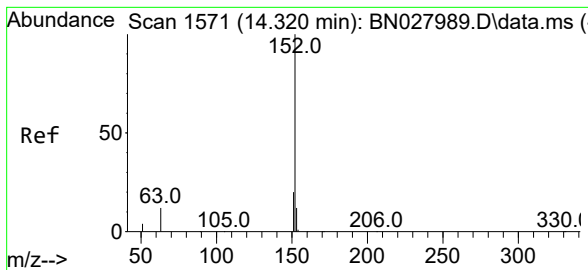
Tgt Ion:330 Resp: 684
Ion Ratio Lower Upper
330 100
332 99.6 78.1 117.1
141 0.0 33.4 50.2#



#15
2-Fluorobiphenyl
Concen: 0.180 ng
RT: 13.176 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion:172 Resp: 4307
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 24.9 18.4 27.6





#16

Acenaphthylene

Concen: 24.645 ng

RT: 14.288 min Scan# 1568

Delta R.T. -0.011 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

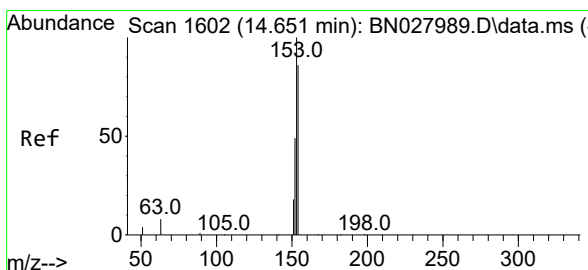
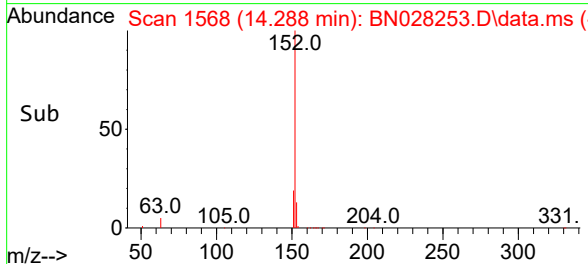
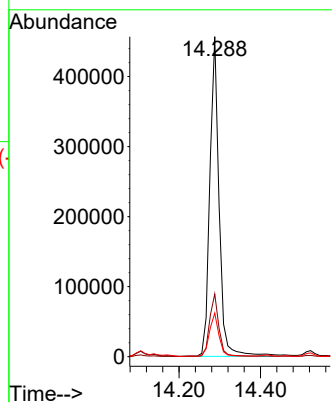
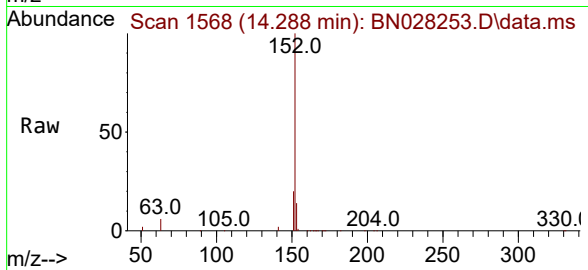
Tgt Ion:152 Resp: 723839

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 14.0 10.2 15.4



#17

Acenaphthene

Concen: 5.152 ng

RT: 14.619 min Scan# 1599

Delta R.T. -0.011 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

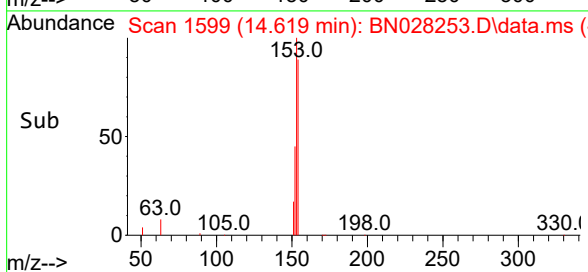
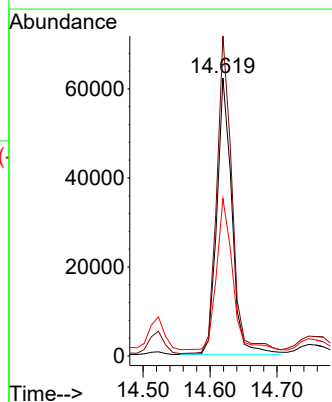
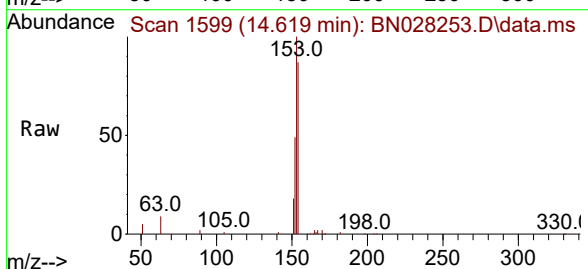
Tgt Ion:154 Resp: 96449

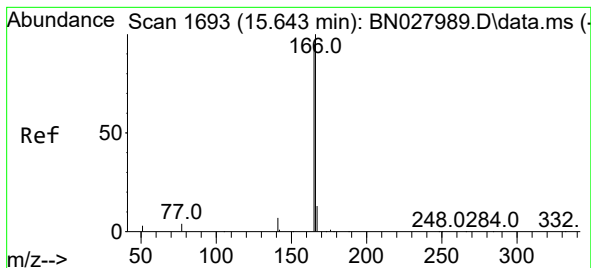
Ion Ratio Lower Upper

154 100

153 118.4 90.8 136.2

152 58.3 43.9 65.9





#18

Fluorene

Concen: 11.819 ng

RT: 15.606 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

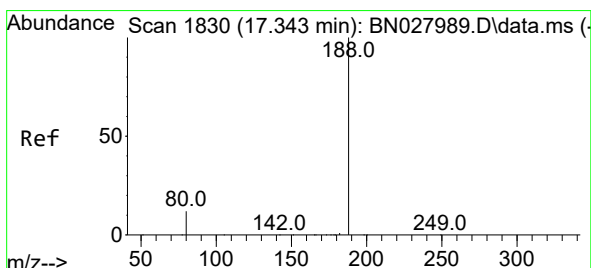
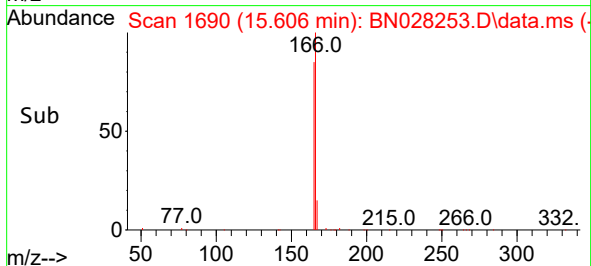
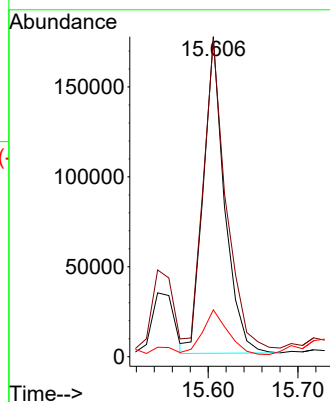
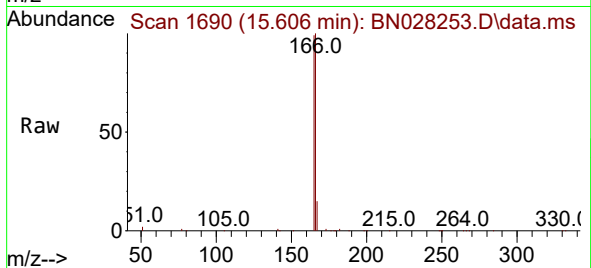
Tgt Ion:166 Resp: 287387

Ion Ratio Lower Upper

166 100

165 104.5 77.8 116.8

167 19.2 10.7 16.1#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.319 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

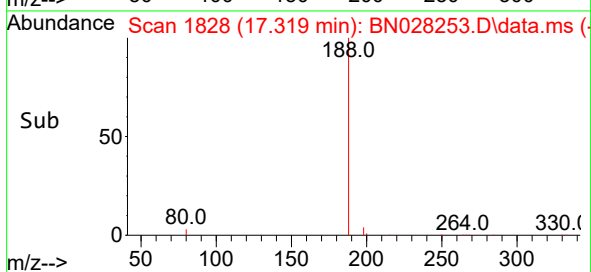
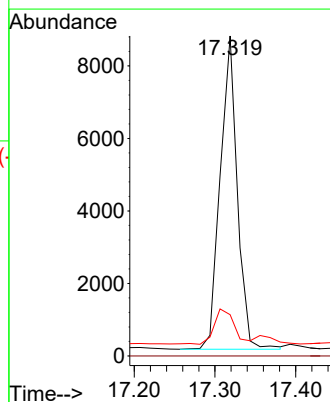
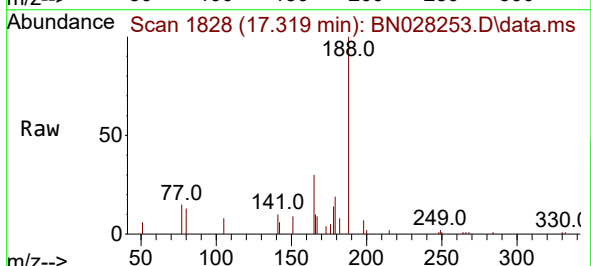
Tgt Ion:188 Resp: 12719

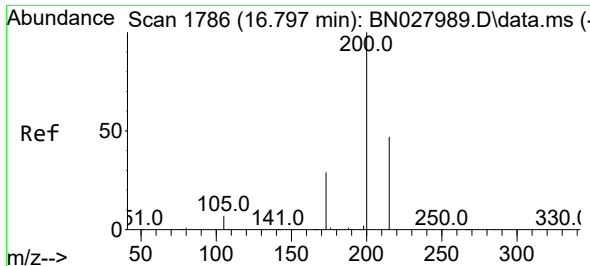
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 10.2 15.4





#20

4,6-Dinitro-2-methylphenol

Concen: 3.851 ng

RT: 16.773 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

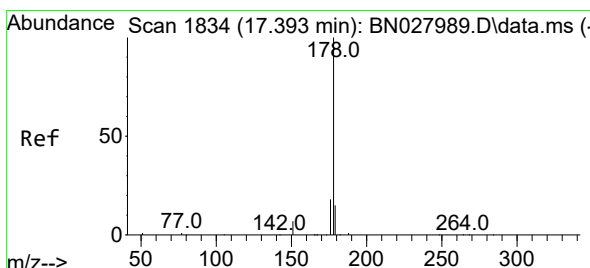
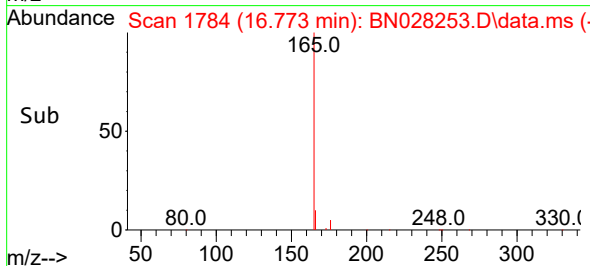
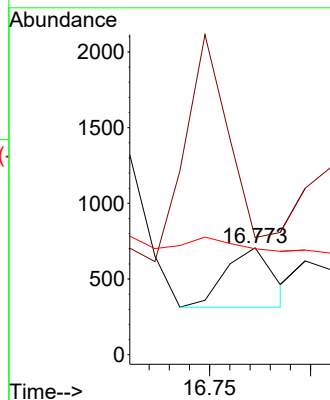
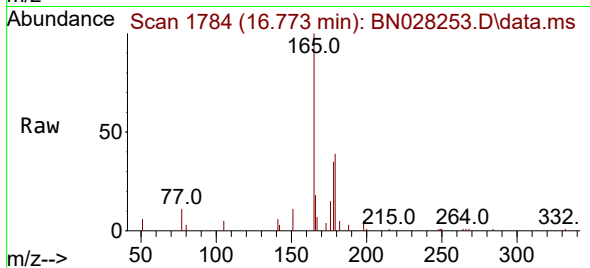
Tgt Ion:198 Resp: 651

Ion Ratio Lower Upper

198 100

51 109.6 180.7 271.1#

105 99.2 222.2 333.2#



#25

Phenanthrene

Concen: 69.786 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.012 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

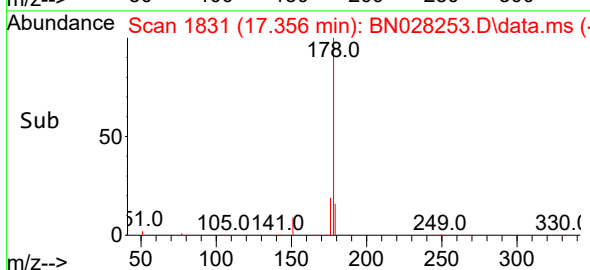
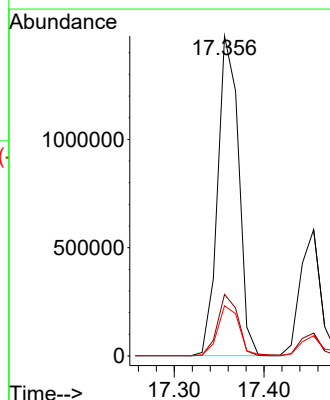
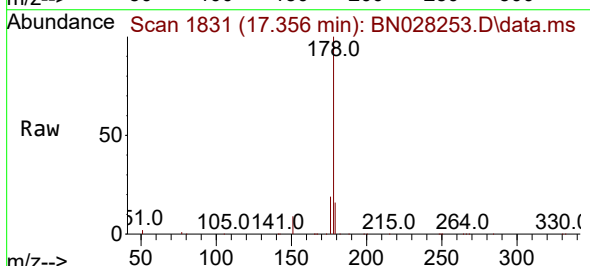
Tgt Ion:178 Resp: 2392955

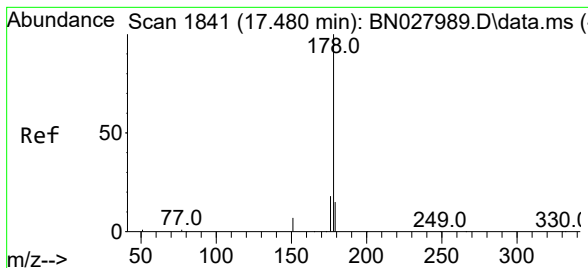
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.8 12.4 18.6





#26

Anthracene

Concen: 28.267 ng

RT: 17.455 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

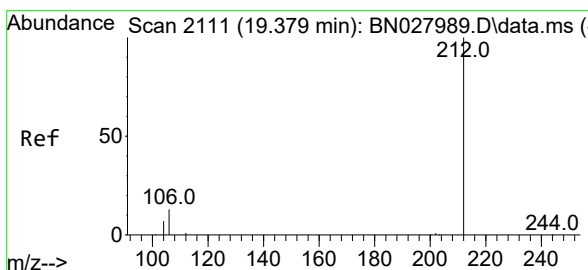
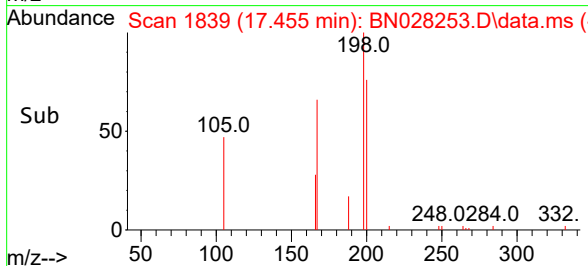
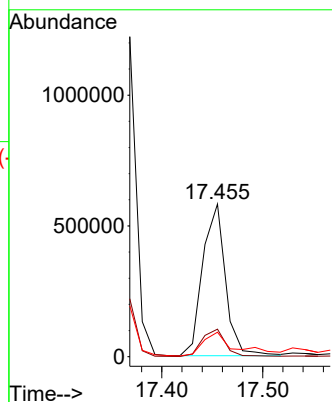
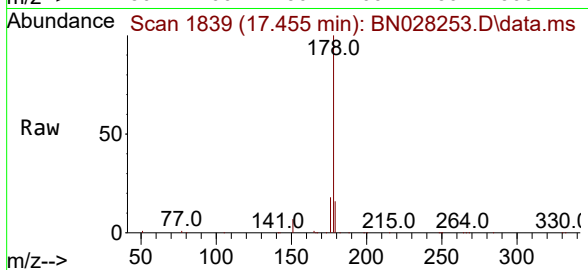
Tgt Ion:178 Resp: 916149

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 22.5 12.2 18.2#



#27

Fluoranthene-d10

Concen: 0.273 ng

RT: 19.351 min Scan# 2105

Delta R.T. -0.005 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

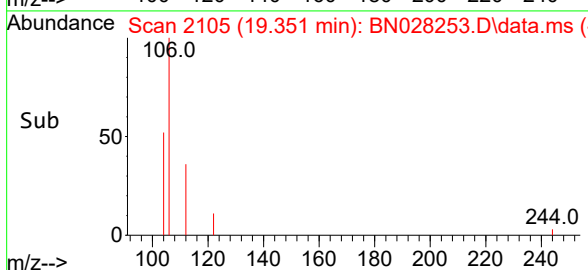
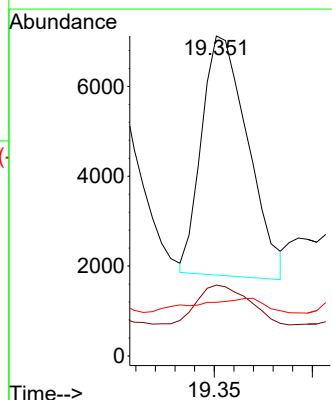
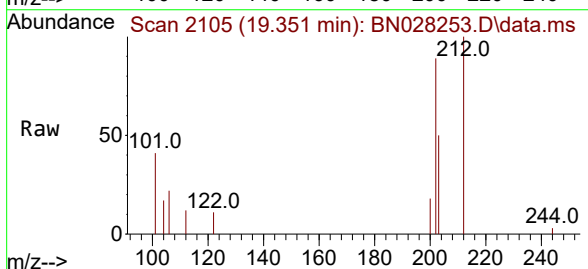
Tgt Ion:212 Resp: 8729

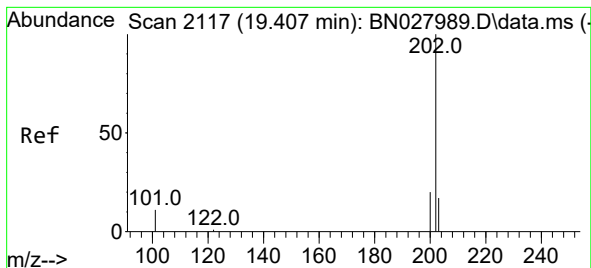
Ion Ratio Lower Upper

212 100

106 18.7 11.3 16.9#

104 10.4 6.4 9.6#





#28

Fluoranthene

Concen: 59.999 ng

RT: 19.384 min Scan# 2112

Delta R.T. -0.000 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02

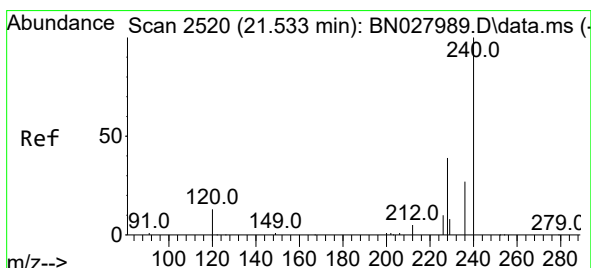
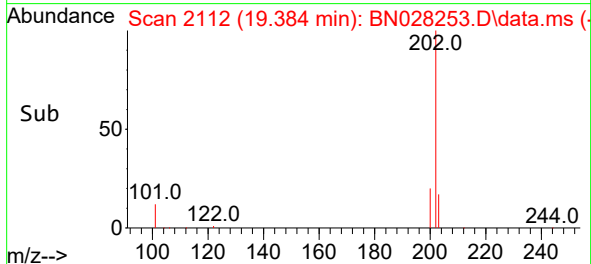
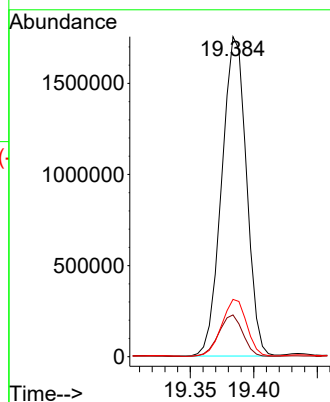
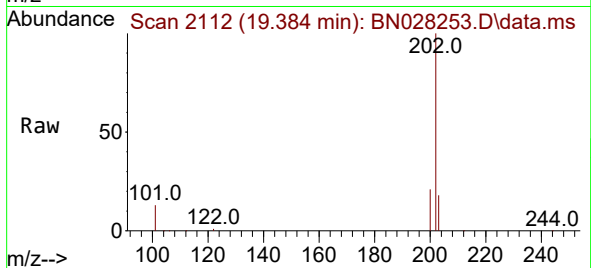
Tgt Ion:202 Resp: 2374366

Ion Ratio Lower Upper

202 100

101 12.7 9.8 14.6

203 17.9 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2518

Delta R.T. -0.000 min

Lab File: BN028253.D

Acq: 12 Oct 2023 04:03

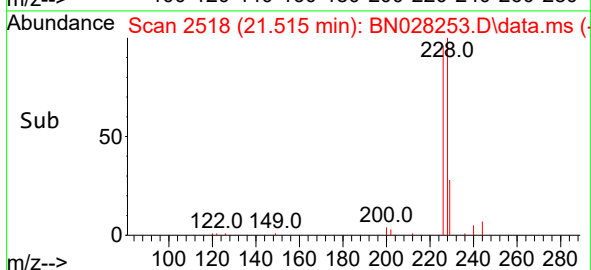
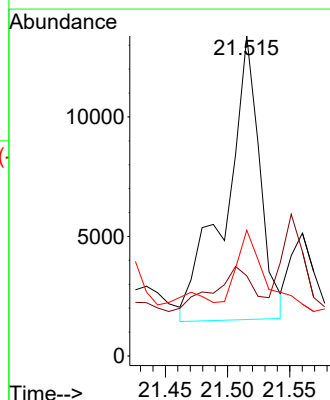
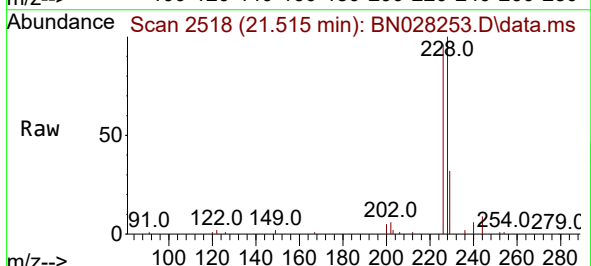
Tgt Ion:240 Resp: 22691

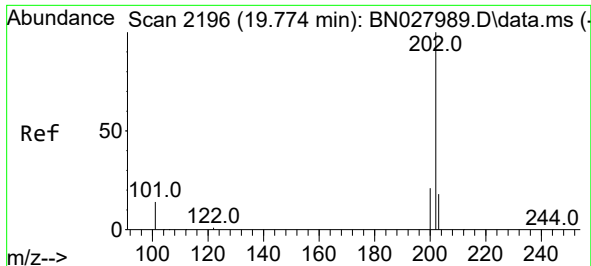
Ion Ratio Lower Upper

240 100

120 25.0 13.8 20.6#

236 39.3 22.6 33.8#

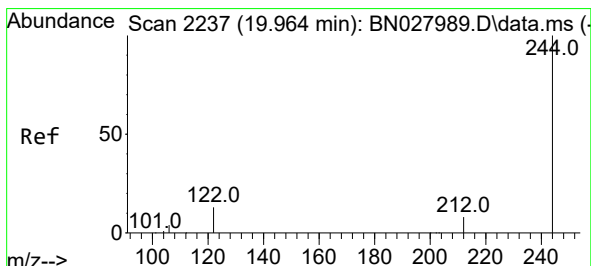
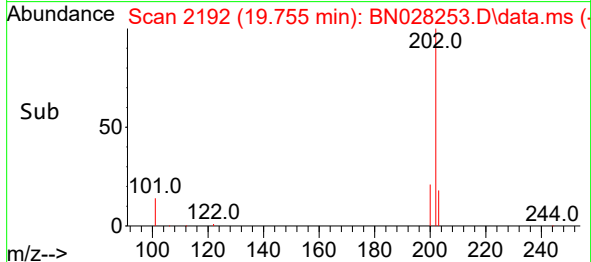
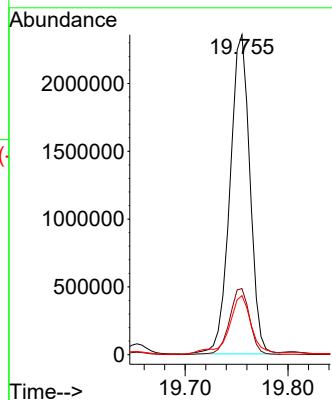
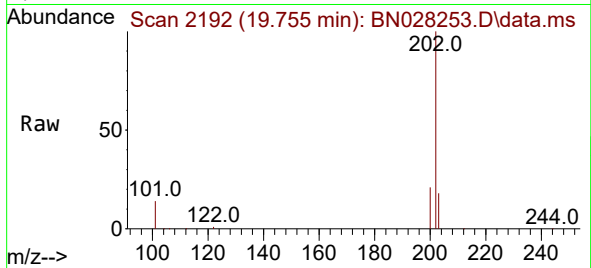




#30
Pyrene
Concen: 38.085 ng
RT: 19.755 min Scan# 2196
Delta R.T. 0.005 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

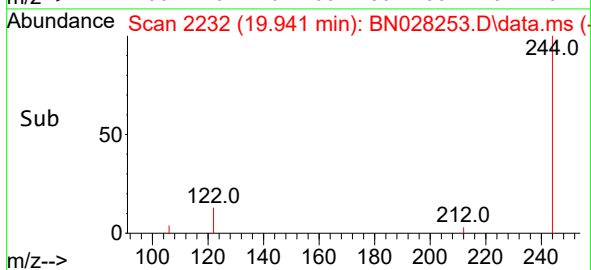
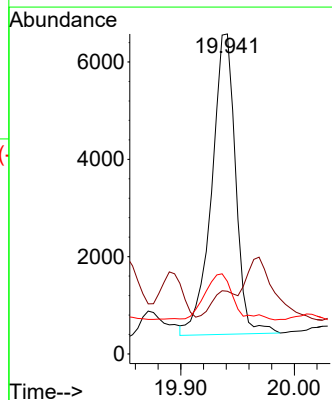
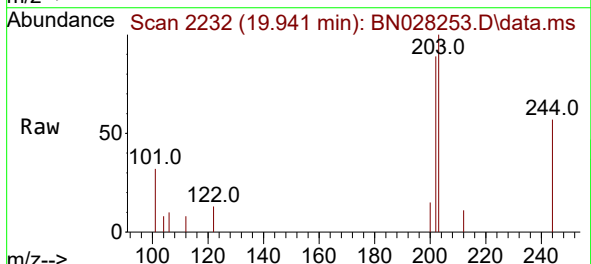
Instrument :
BNA_N
ClientSampleId :
DUP-02

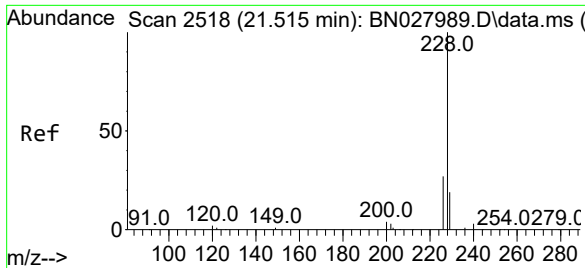
Tgt Ion:202 Resp: 3168911
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 20.6 14.7 22.1



#31
Terphenyl-d14
Concen: 0.171 ng
RT: 19.941 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion:244 Resp: 9034
Ion Ratio Lower Upper
244 100
212 19.6 6.6 9.8#
122 22.7 11.4 17.0#

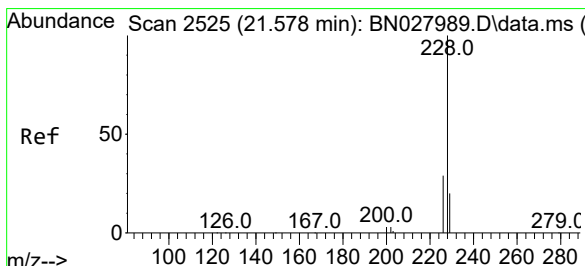
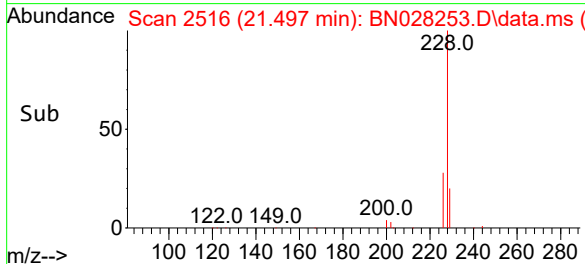
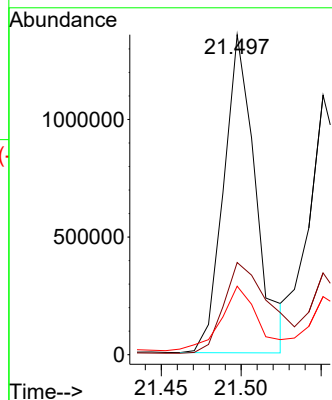
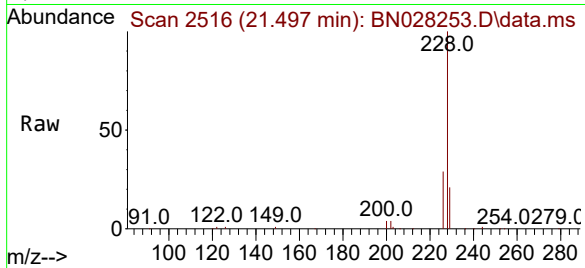




#32
Benzo(a)anthracene
Concen: 24.470 ng
RT: 21.497 min Scan# 21497
Delta R.T. -0.000 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

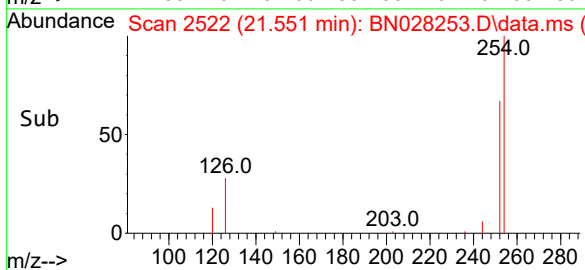
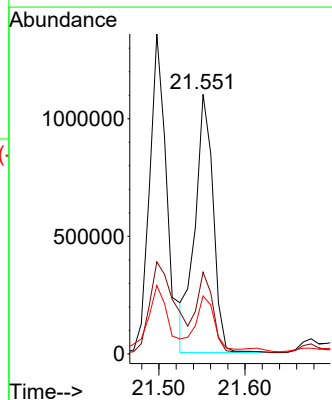
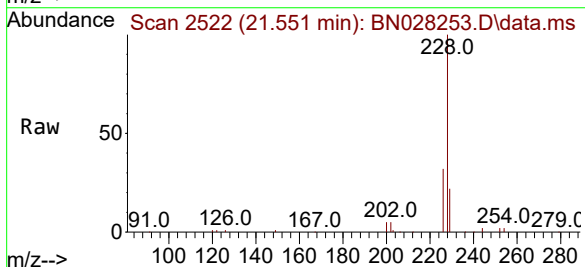
Instrument :
BNA_N
ClientSampleId :
DUP-02

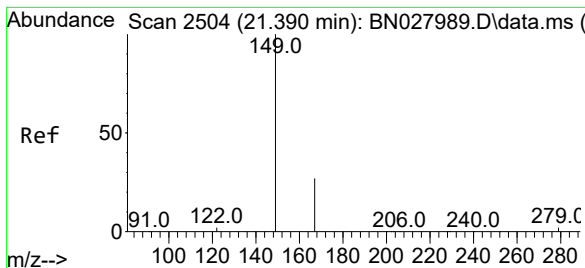
Tgt Ion:228 Resp: 1889417
Ion Ratio Lower Upper
228 100
226 28.8 22.0 33.0
229 21.4 16.0 24.0



#33
Chrysene
Concen: 21.705 ng
RT: 21.551 min Scan# 2522
Delta R.T. -0.000 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion:228 Resp: 1615091
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 22.4 16.6 25.0

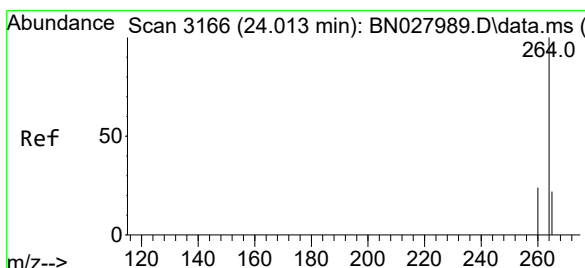
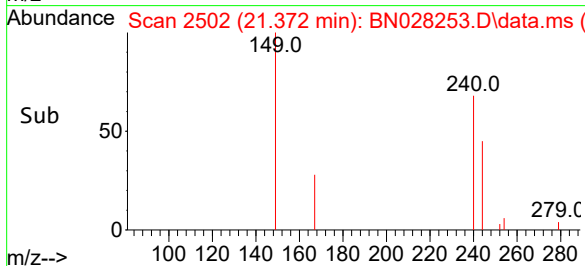
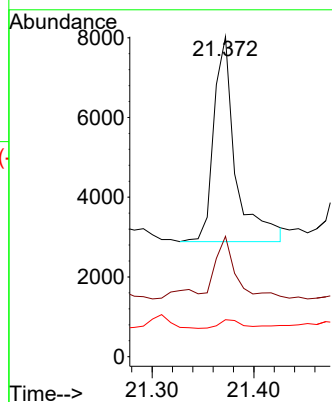
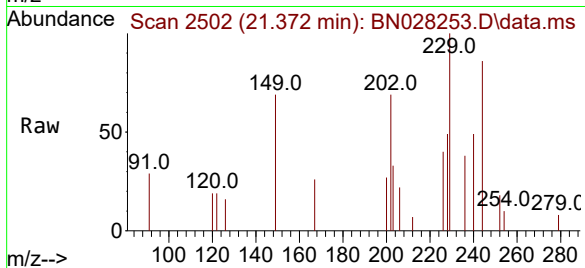




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.150 ng
 RT: 21.372 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN028253.D
 Acq: 12 Oct 2023 04:03

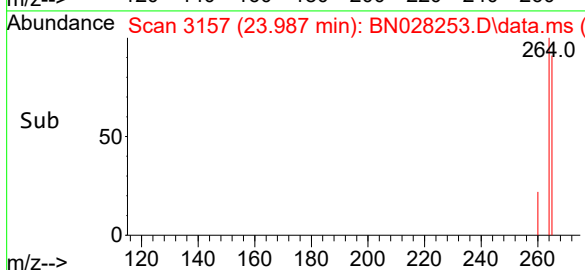
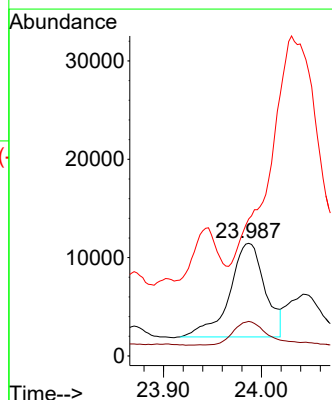
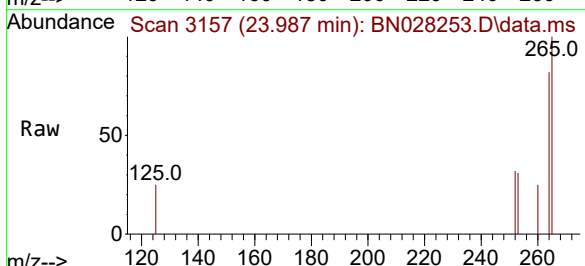
Instrument :
 BNA_N
 ClientSampleId :
 DUP-02

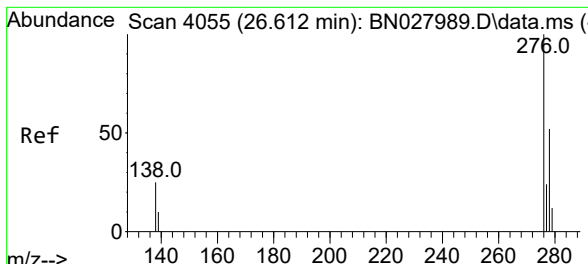
Tgt Ion:149 Resp: 7638
 Ion Ratio Lower Upper
 149 100
 167 26.2 22.1 33.1
 279 4.3 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.987 min Scan# 3157
 Delta R.T. 0.012 min
 Lab File: BN028253.D
 Acq: 12 Oct 2023 04:03

Tgt Ion:264 Resp: 24087
 Ion Ratio Lower Upper
 264 100
 260 30.6 20.2 30.4#
 265 121.5 54.8 82.2#



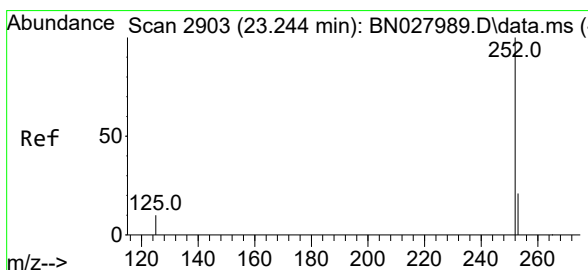
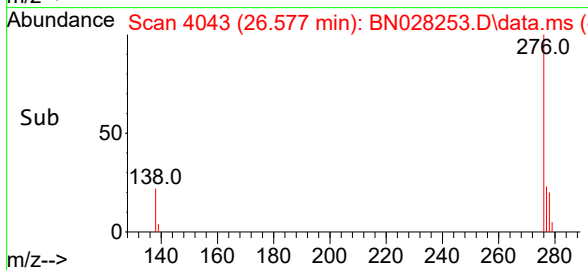
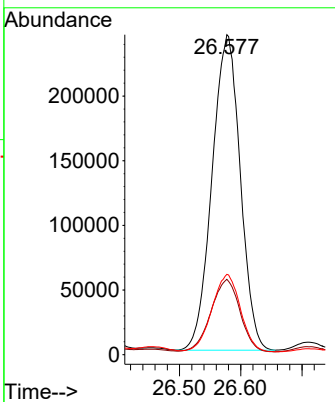
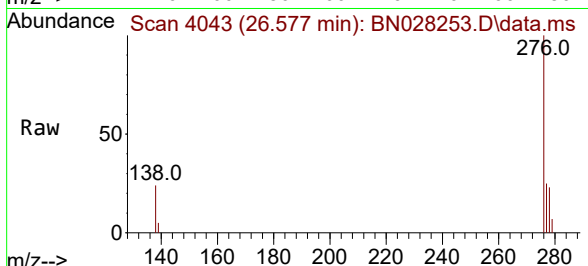


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 9.621 ng
 RT: 26.577 min Scan# 4055
 Delta R.T. 0.020 min
 Lab File: BN028253.D
 Acq: 12 Oct 2023 04:03

Instrument :
 BNA_N
 ClientSampleId :
 DUP-02

Tgt Ion:276 Resp: 779457

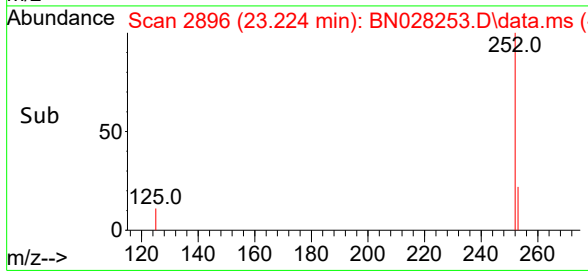
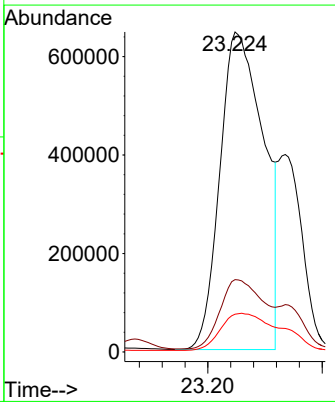
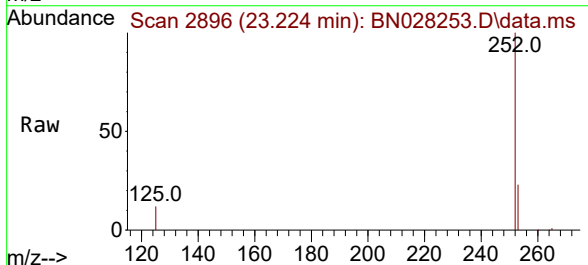
Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.9	31.3
277	24.8	19.8	29.6

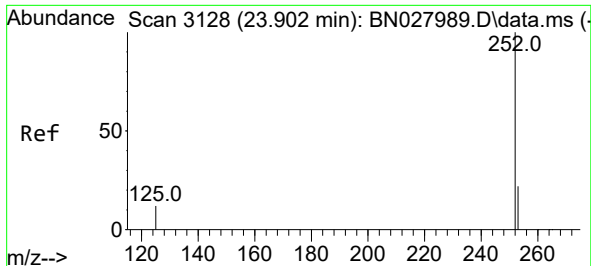


#37
 Benzo(b)fluoranthene
 Concen: 22.017 ng
 RT: 23.224 min Scan# 2896
 Delta R.T. 0.012 min
 Lab File: BN028253.D
 Acq: 12 Oct 2023 04:03

Tgt Ion:252 Resp: 1712766

Ion	Ratio	Lower	Upper
252	100		
253	22.6	22.9	34.3#
125	11.8	13.8	20.8#

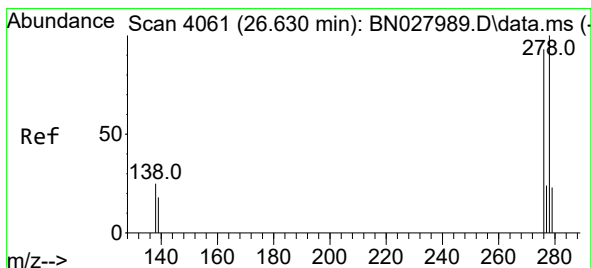
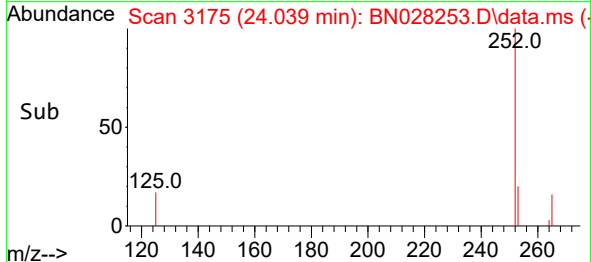
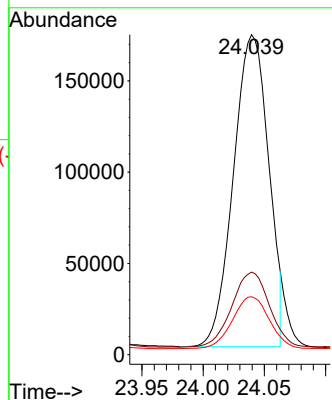
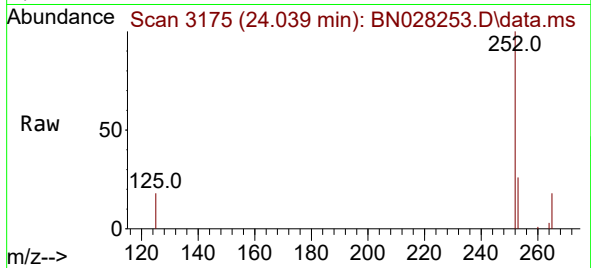




#39
Benzo(a)pyrene
Concen: 4.629 ng
RT: 24.039 min Scan# 31
Delta R.T. 0.175 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

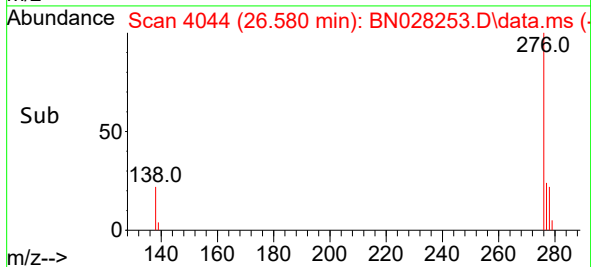
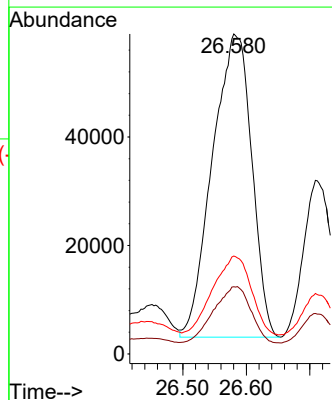
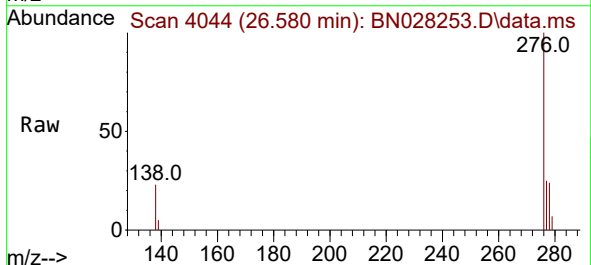
Instrument :
BNA_N
ClientSampleId :
DUP-02

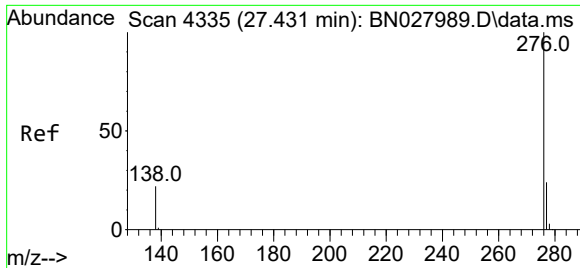
Tgt Ion:252 Resp: 340528
Ion Ratio Lower Upper
252 100
253 25.8 25.0 37.4
125 18.1 16.6 24.8



#40
Dibenzo(a,h)anthracene
Concen: 3.625 ng
RT: 26.580 min Scan# 4044
Delta R.T. 0.003 min
Lab File: BN028253.D
Acq: 12 Oct 2023 04:03

Tgt Ion:278 Resp: 240252
Ion Ratio Lower Upper
278 100
139 21.0 17.7 26.5
279 30.6 25.2 37.8





#41

Benzo(g,h,i)perylene

Concen: 11.475 ng

RT: 27.393 min Scan# 41

Delta R.T. 0.026 min

Lab File: BN028253.D

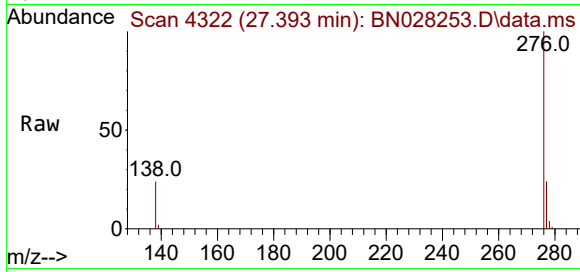
Acq: 12 Oct 2023 04:03

Instrument :

BNA_N

ClientSampleId :

DUP-02



Tgt Ion:276 Resp: 780627

Ion Ratio Lower Upper

276 100

277 24.4 22.1 33.1

138 23.7 20.8 31.2

