

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028214.D
 Acq On : 11 Oct 2023 02:22
 Operator : MA/JU
 Sample : 04693-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)

Quant Time: Oct 11 03:08:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 10 00:42:22 2023
 Response via : Initial Calibration

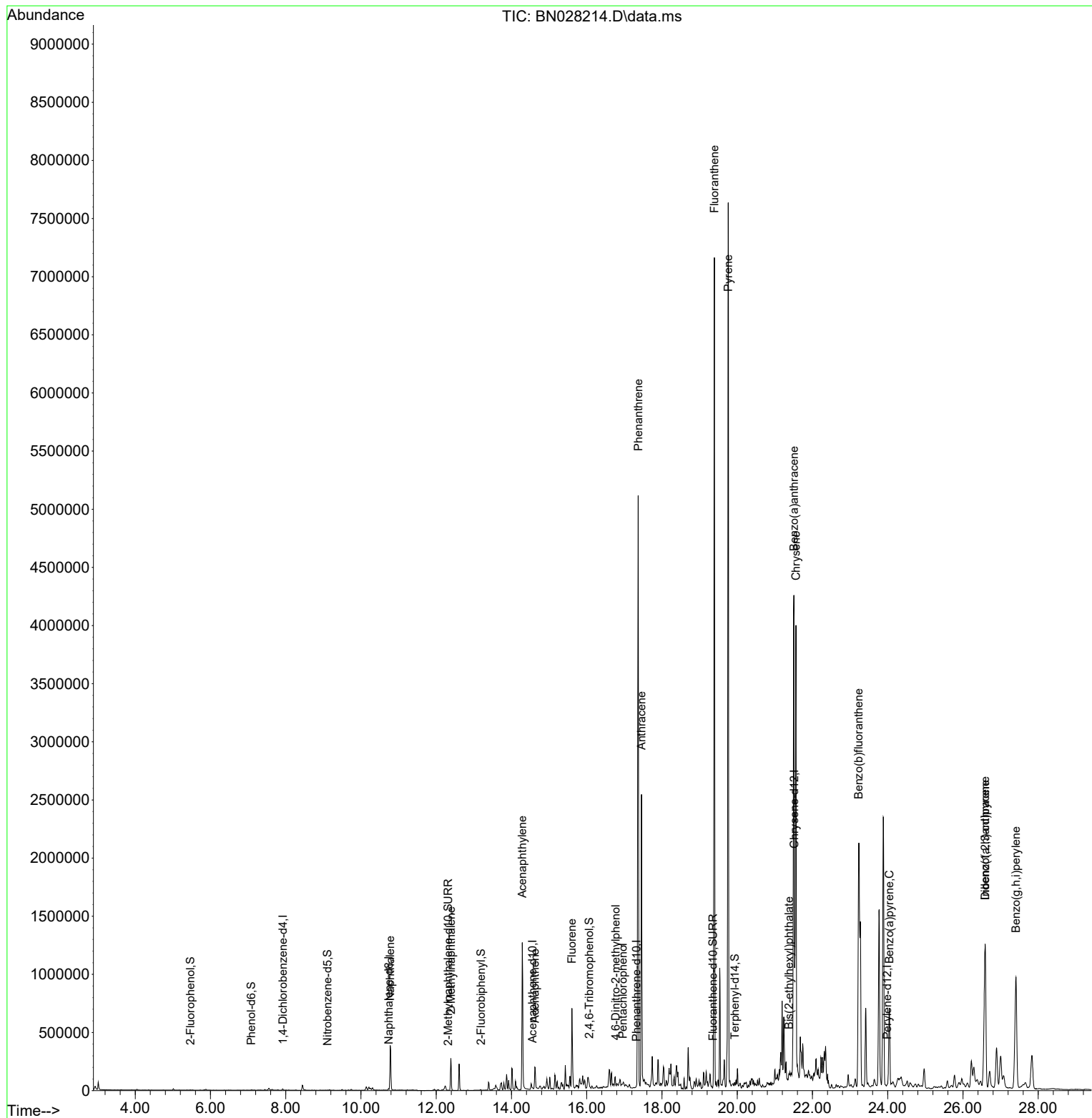
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	5285	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	16703	0.400	ng	# 0.00
13) Acenaphthene-d10	14.555	164	10533	0.400	ng	-0.01
19) Phenanthrene-d10	17.319	188	18024	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	25340	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	28665	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2438	0.155	ng	0.00
5) Phenol-d6	7.084	99	2738	0.138	ng	0.00
8) Nitrobenzene-d5	9.112	82	2327	0.164	ng	-0.01
11) 2-Methylnaphthalene-d10	12.313	152	3368	0.136	ng	-0.01
14) 2,4,6-Tribromophenol	16.065	330	624	0.129	ng	-0.01
15) 2-Fluorobiphenyl	13.187	172	4788	0.126	ng	0.00
27) Fluoranthene-d10	19.356	212	7059	0.156	ng	0.00
31) Terphenyl-d14	19.936	244	9672	0.164	ng	0.00
Target Compounds						
9) Naphthalene	10.778	128	513416	11.896	ng	99
12) 2-Methylnaphthalene	12.389	142	188946	6.259	ng	99
16) Acenaphthylene	14.288	152	1465926	31.417	ng	99
17) Acenaphthene	14.619	154	110484	3.714	ng	98
18) Fluorene	15.606	166	502232	13.001	ng	# 94
20) 4,6-Dinitro-2-methylph...	16.773	198	933	3.895	ng	# 17
24) Pentachlorophenol	16.959	266	95	0.020	ng	# 72
25) Phenanthrene	17.368	178	5271584	108.486	ng	99
26) Anthracene	17.455	178	2514368	54.744	ng	97
28) Fluoranthene	19.393	202	6696953	119.420	ng	97
30) Pyrene	19.760	202	7026437	75.619	ng	96
32) Benzo(a)anthracene	21.506	228	4050084	46.970	ng	93
33) Chrysene	21.560	228	3548321	42.701	ng	96
34) Bis(2-ethylhexyl)phtha...	21.372	149	30604	0.540	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.589	276	2225959	23.086	ng	98
37) Benzo(b)fluoranthene	23.230	252	4287112	46.308	ng	# 89
39) Benzo(a)pyrene	24.042	252	872806	9.970	ng	91
40) Dibenzo(a,h)anthracene	26.592	278	637164	8.078	ng	95
41) Benzo(g,h,i)perylene	27.408	276	2204609	27.230	ng	95

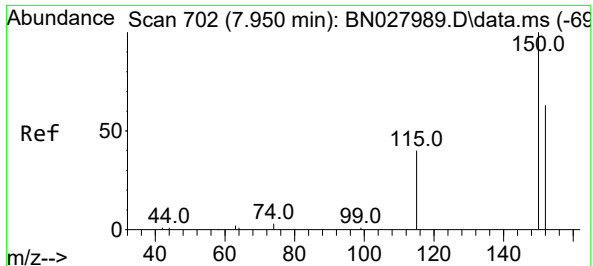
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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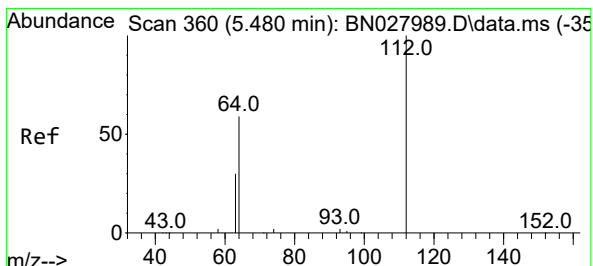
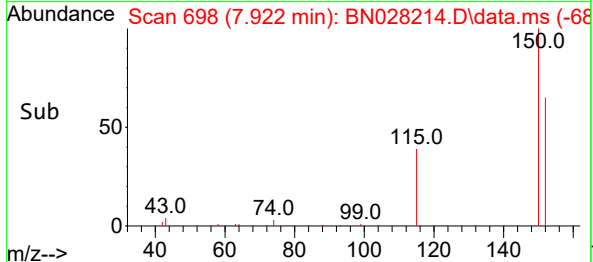
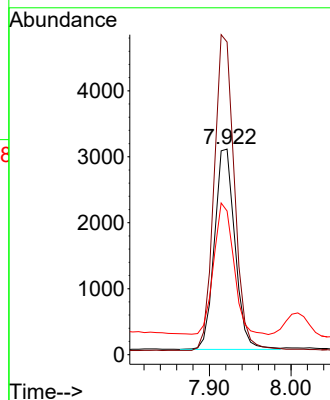
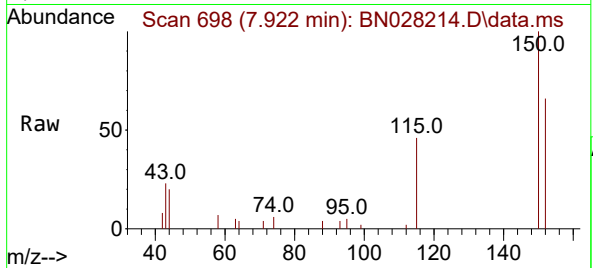




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

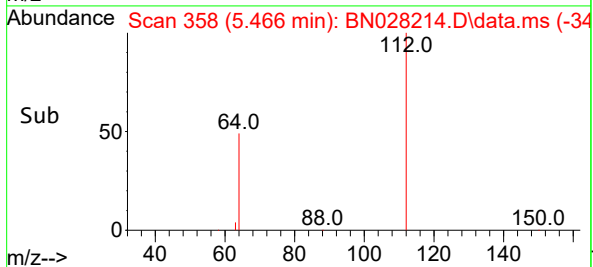
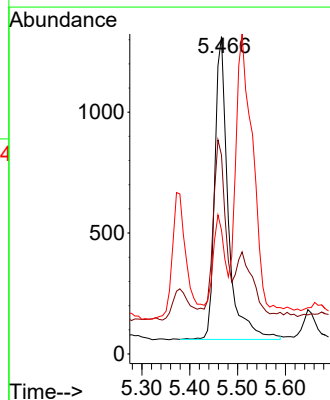
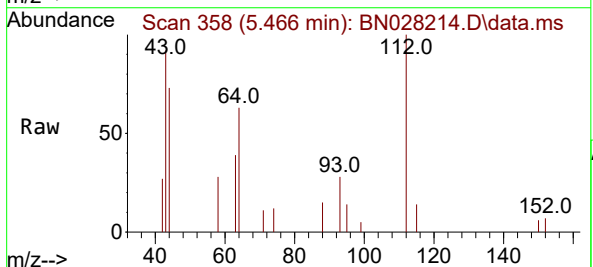
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

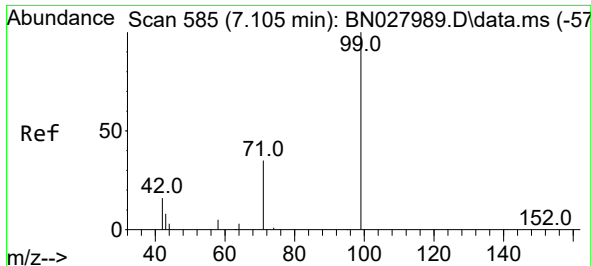
Tgt Ion:152 Resp: 5285
Ion Ratio Lower Upper
152 100
150 152.1 125.6 188.4
115 69.9 54.8 82.2



#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:112 Resp: 2438
Ion Ratio Lower Upper
112 100
64 49.6 45.0 67.6
63 24.7 23.4 35.0

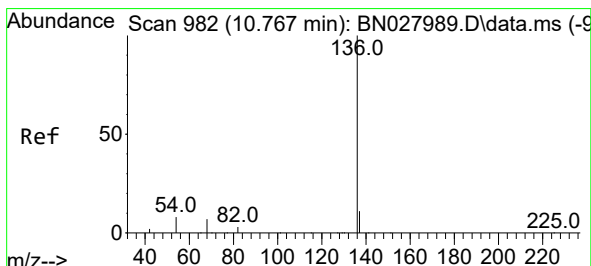
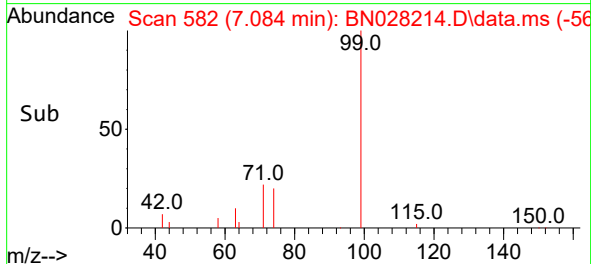
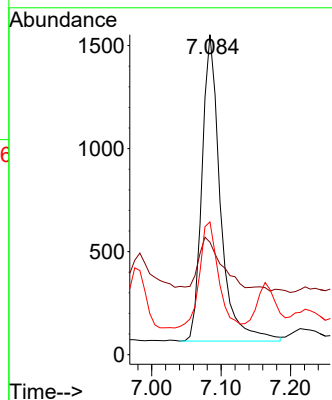
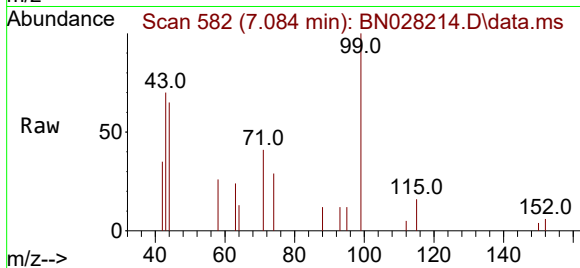




#5
Phenol-d6
Concen: 0.138 ng
RT: 7.084 min Scan# 582
Delta R.T. -0.007 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

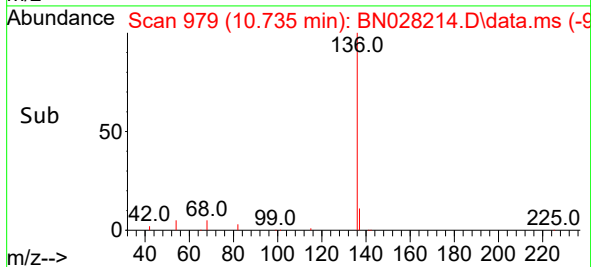
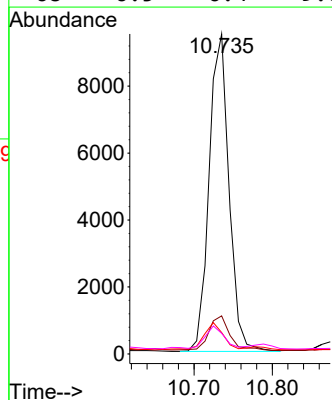
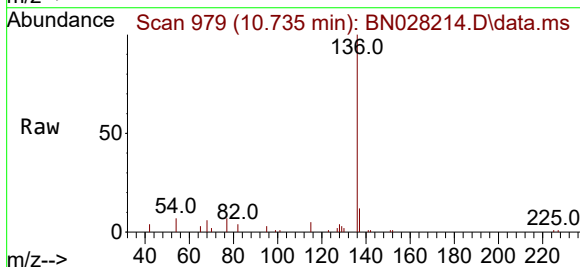
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

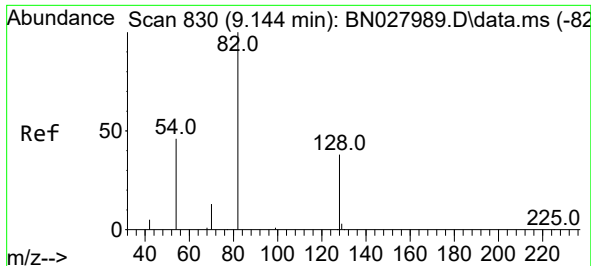
Tgt Ion: 99 Resp: 2738
Ion Ratio Lower Upper
99 100
42 18.8 14.6 22.0
71 35.2 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. 0.000 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion: 136 Resp: 16703
Ion Ratio Lower Upper
136 100
137 11.9 9.4 14.0
54 6.7 7.0 10.6#
68 6.5 6.4 9.6

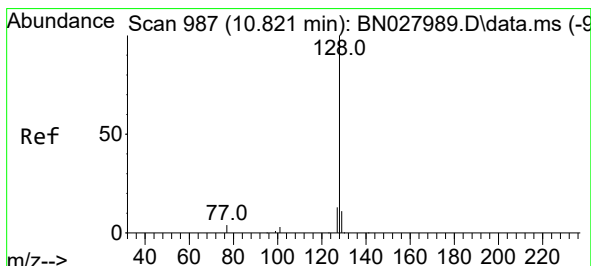
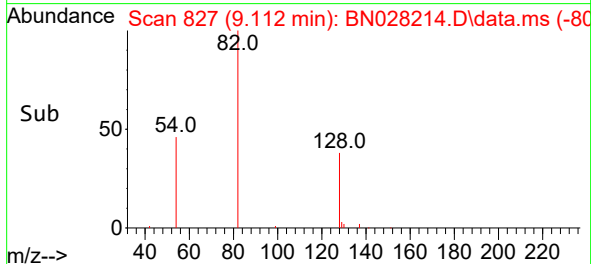
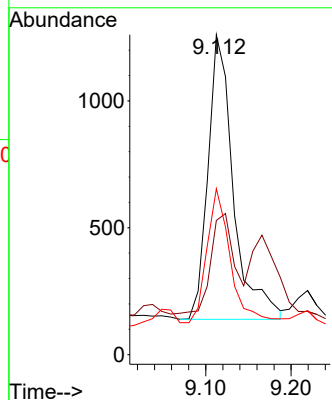
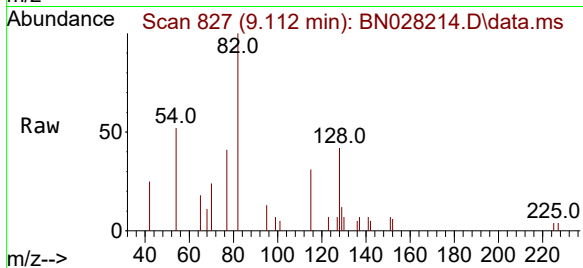




#8
Nitrobenzene-d5
Concen: 0.164 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

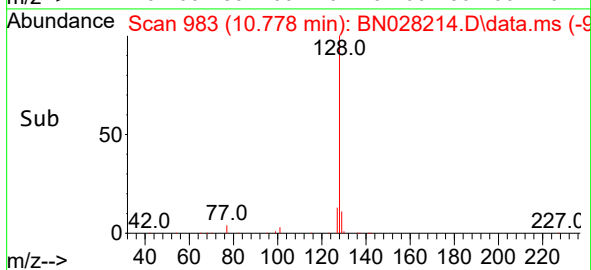
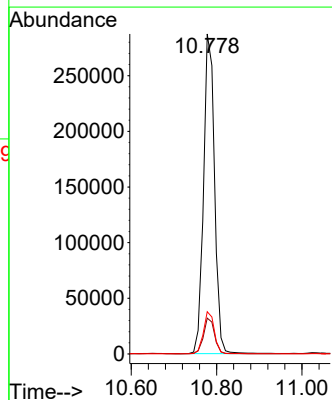
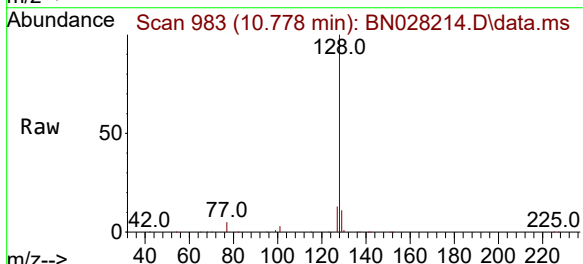
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

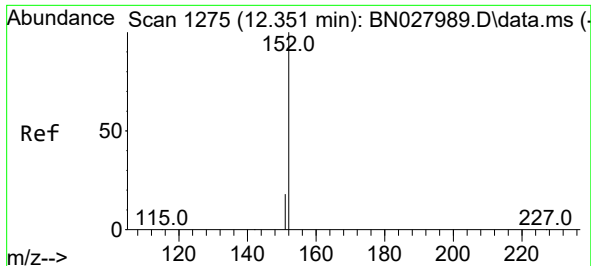
Tgt Ion: 82 Resp: 2327
Ion Ratio Lower Upper
82 100
128 42.0 32.7 49.1
54 51.9 38.7 58.1



#9
Naphthalene
Concen: 11.896 ng
RT: 10.778 min Scan# 983
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion: 128 Resp: 513416
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.2 10.9 16.3

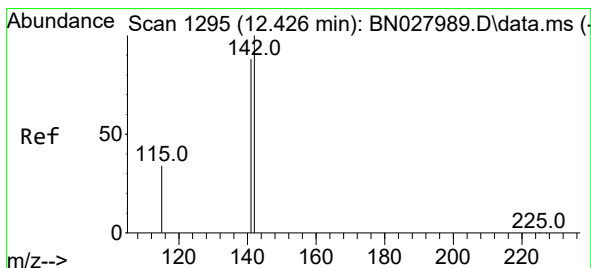
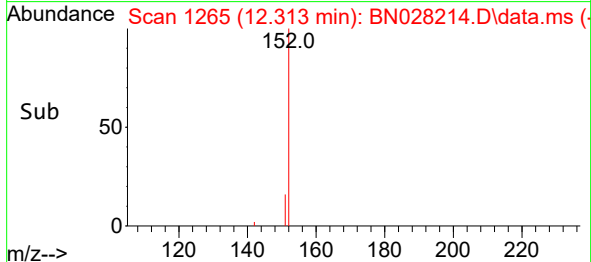
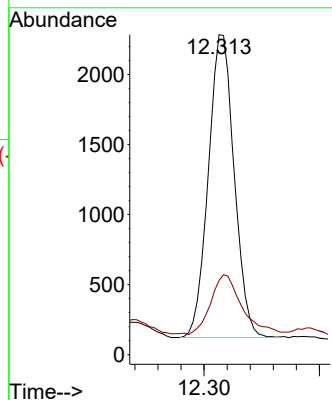
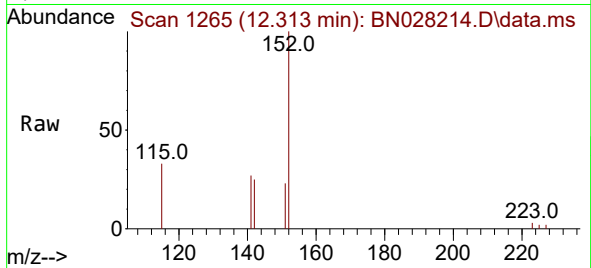




#11
2-Methylnaphthalene-d10
Concen: 0.136 ng
RT: 12.313 min Scan# 1265
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

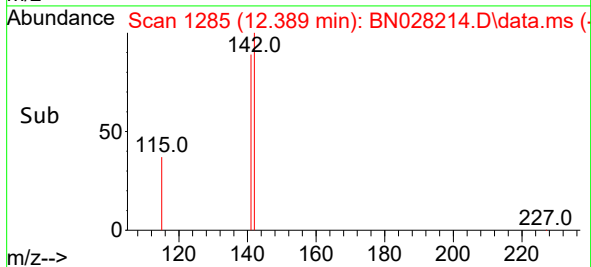
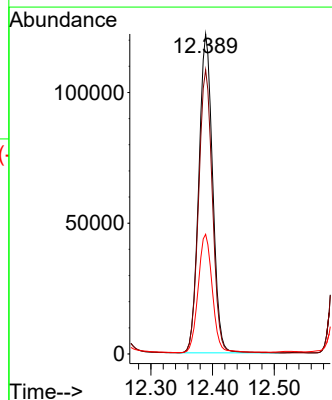
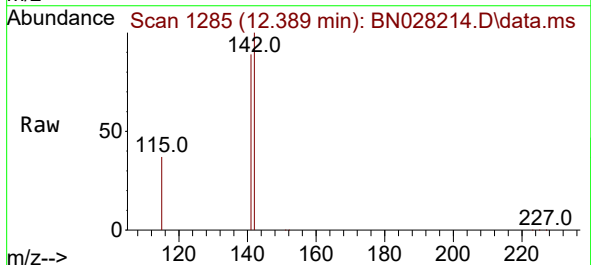
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

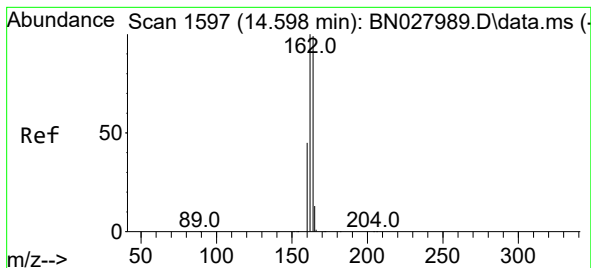
Tgt Ion:152 Resp: 3368
Ion Ratio Lower Upper
152 100
151 24.0 16.5 24.7



#12
2-Methylnaphthalene
Concen: 6.259 ng
RT: 12.389 min Scan# 1285
Delta R.T. -0.011 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:142 Resp: 188946
Ion Ratio Lower Upper
142 100
141 88.8 70.7 106.1
115 37.4 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: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

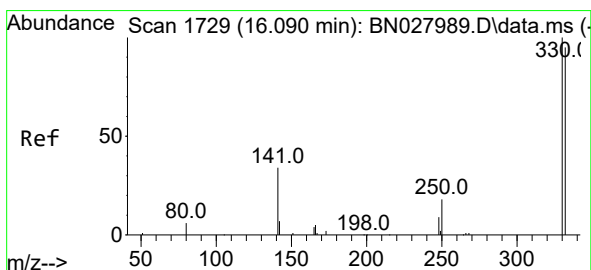
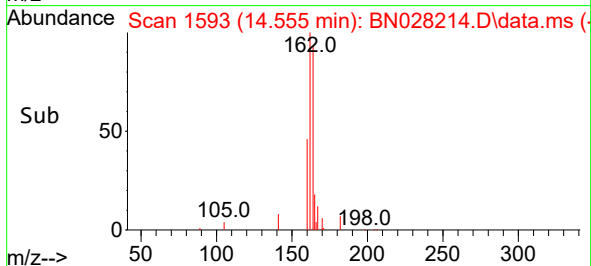
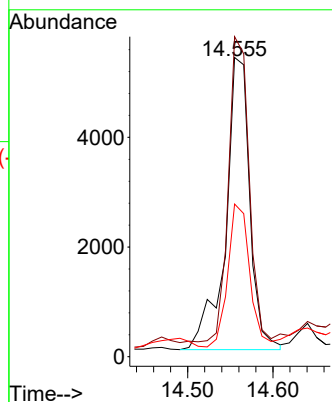
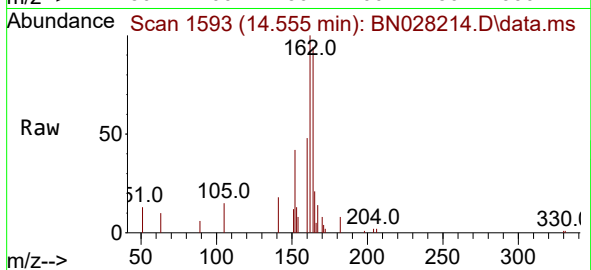
Tgt Ion:164 Resp: 10533

Ion Ratio Lower Upper

164 100

162 106.9 80.8 121.2

160 51.0 36.4 54.6



#14

2,4,6-Tribromophenol

Concen: 0.129 ng

RT: 16.065 min Scan# 1727

Delta R.T. -0.012 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

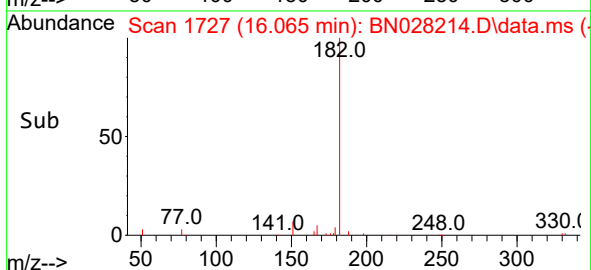
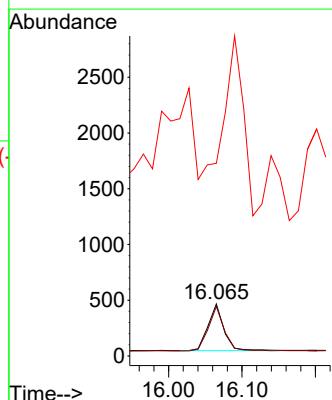
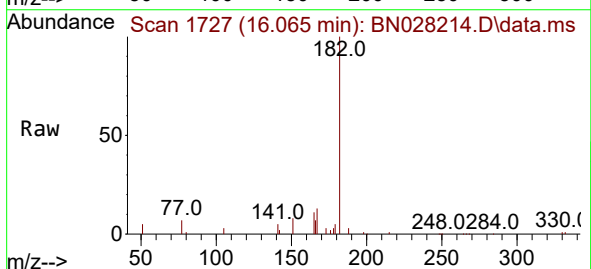
Tgt Ion:330 Resp: 624

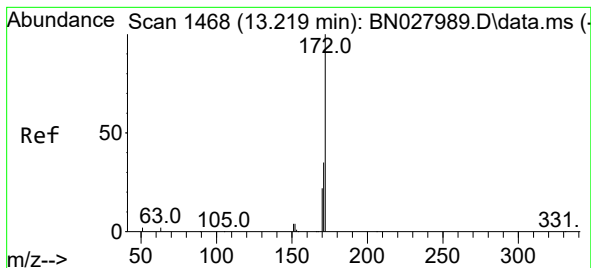
Ion Ratio Lower Upper

330 100

332 95.7 78.1 117.1

141 0.0 33.4 50.2#





#15

2-Fluorobiphenyl

Concen: 0.126 ng

RT: 13.187 min Scan# 1465

Delta R.T. -0.000 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

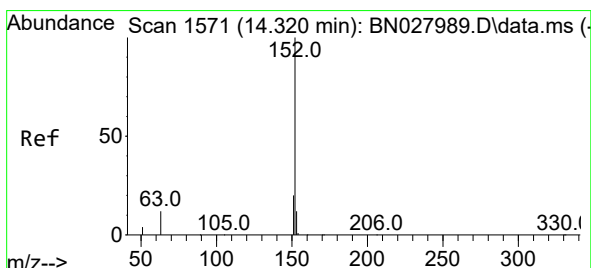
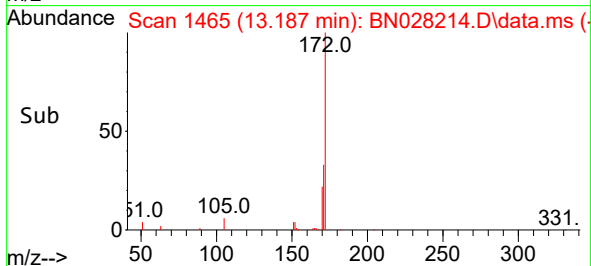
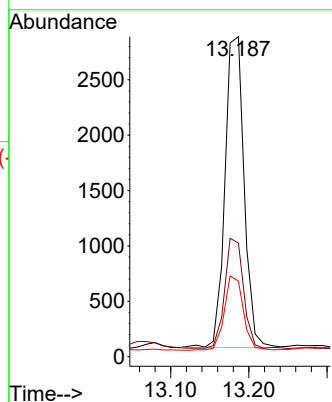
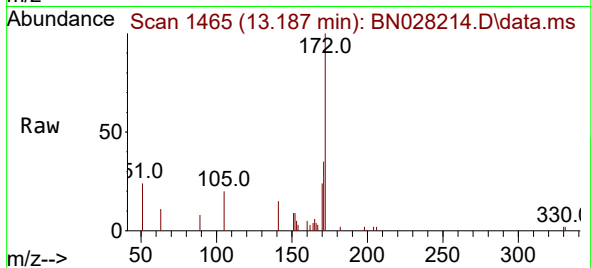
Tgt Ion:172 Resp: 4788

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.6 18.4 27.6



#16

Acenaphthylene

Concen: 31.417 ng

RT: 14.288 min Scan# 1568

Delta R.T. -0.011 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

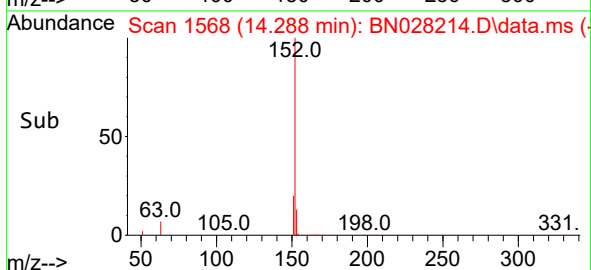
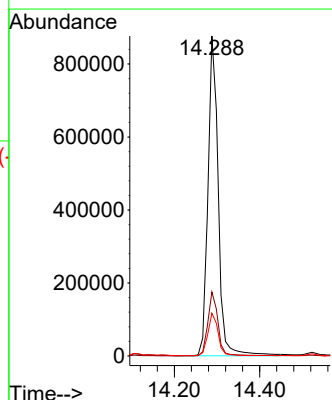
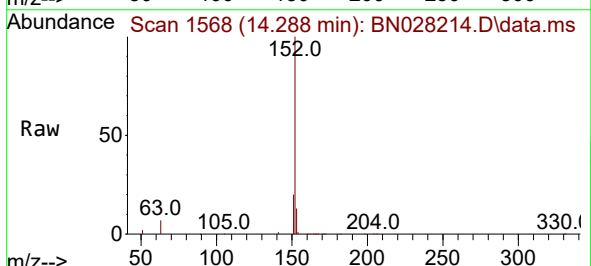
Tgt Ion:152 Resp: 1465926

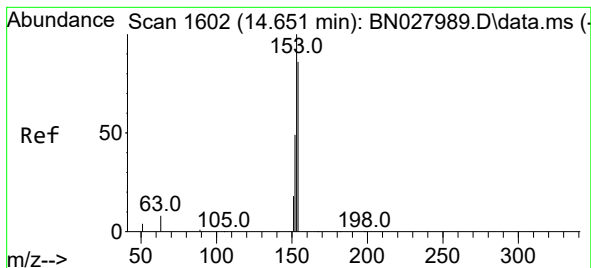
Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.3 10.2 15.4





#17

Acenaphthene

Concen: 3.714 ng

RT: 14.619 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

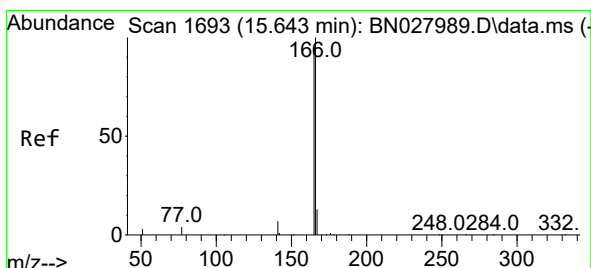
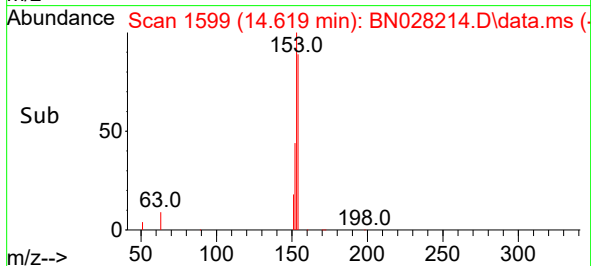
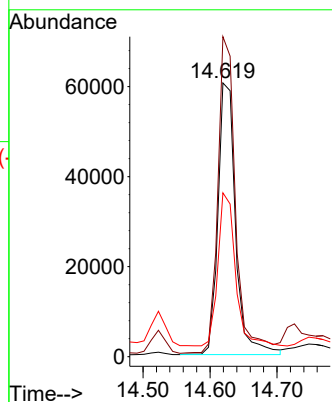
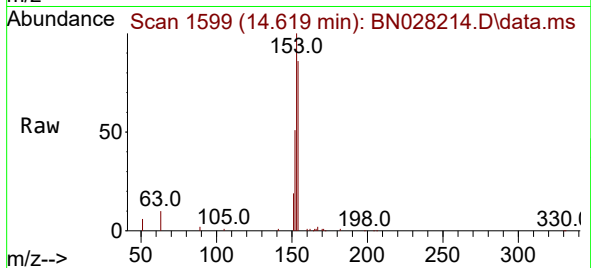
Tgt Ion:154 Resp: 110484

Ion Ratio Lower Upper

154 100

153 115.7 90.8 136.2

152 56.0 43.9 65.9



#18

Fluorene

Concen: 13.001 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.012 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

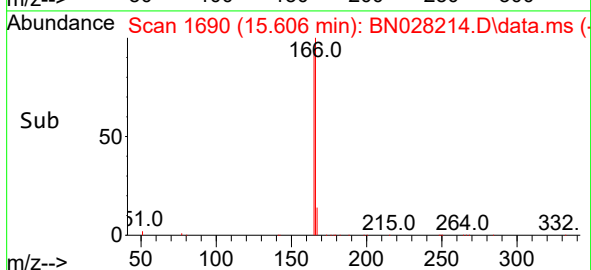
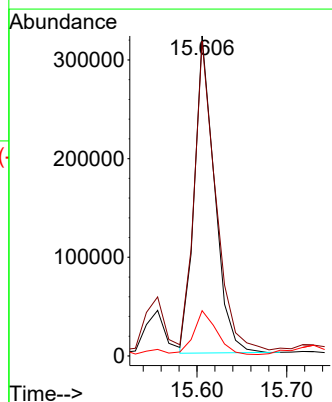
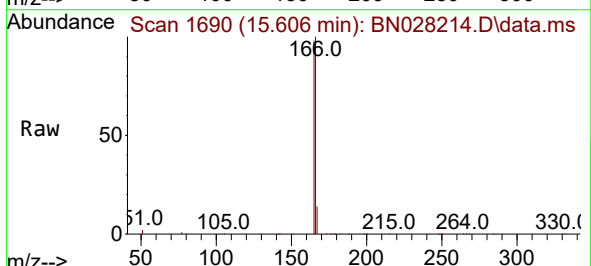
Tgt Ion:166 Resp: 502232

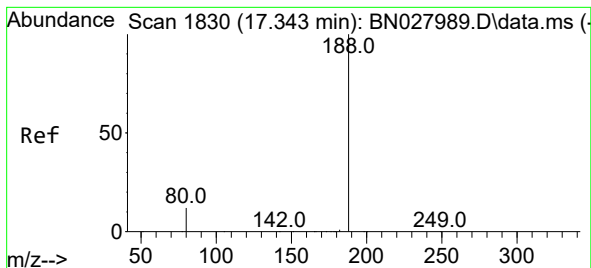
Ion Ratio Lower Upper

166 100

165 103.1 77.8 116.8

167 17.2 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: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

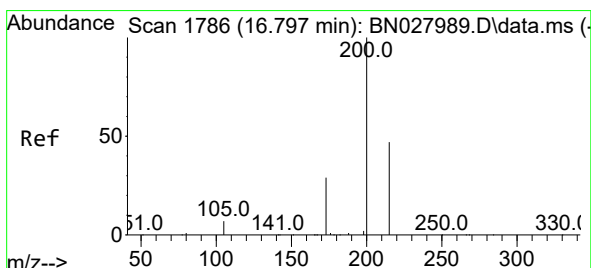
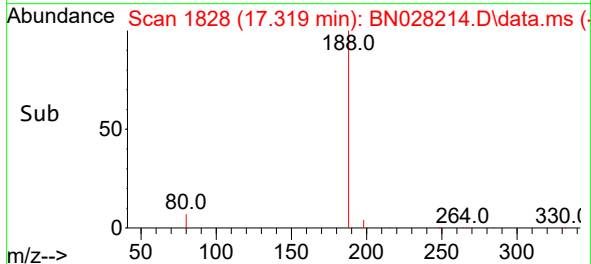
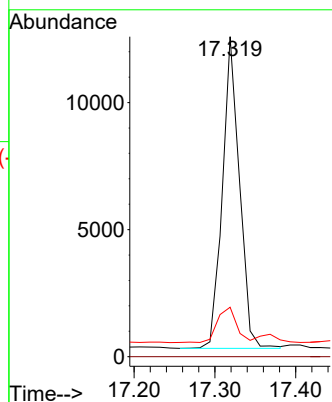
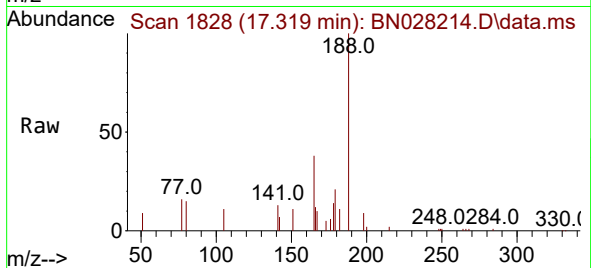
Tgt Ion:188 Resp: 18024

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.5 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 3.895 ng

RT: 16.773 min Scan# 1784

Delta R.T. -0.012 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

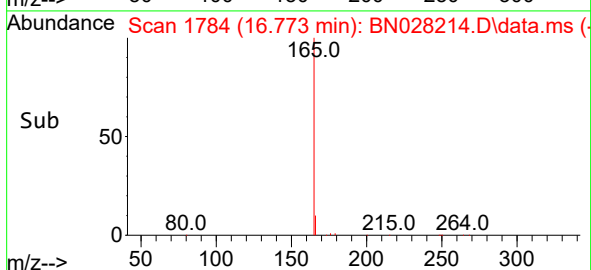
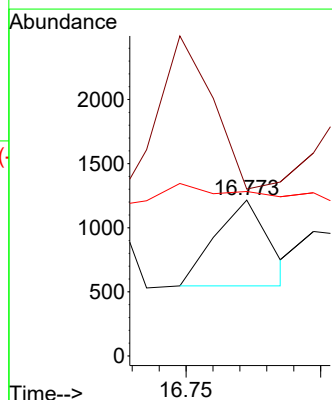
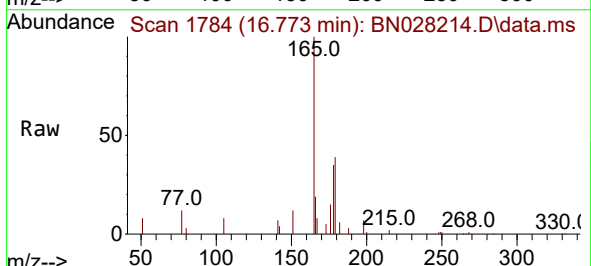
Tgt Ion:198 Resp: 933

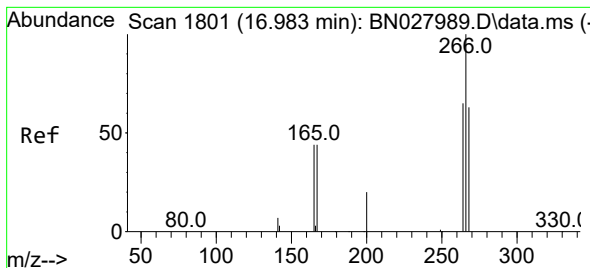
Ion Ratio Lower Upper

198 100

51 107.1 180.7 271.1#

105 105.5 222.2 333.2#





#24

Pentachlorophenol

Concen: 0.020 ng

RT: 16.959 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

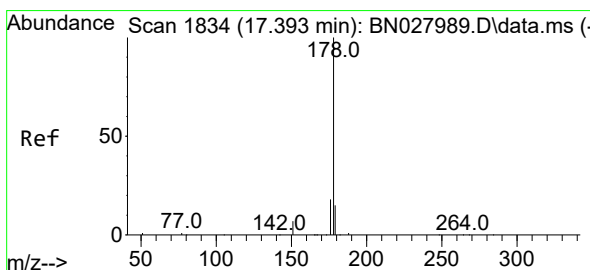
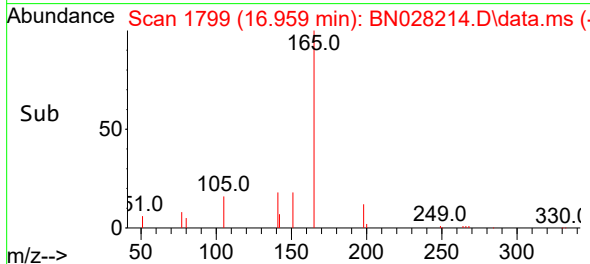
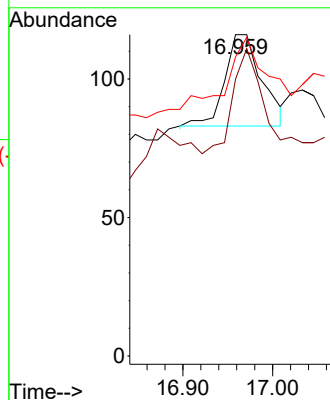
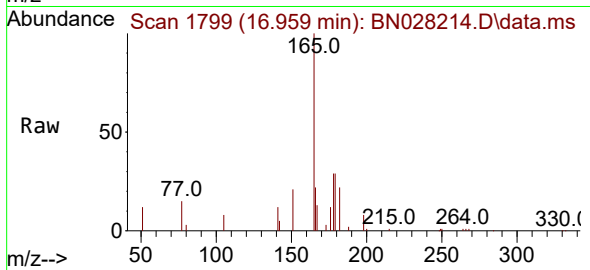
Tgt Ion:266 Resp: 95

Ion Ratio Lower Upper

266 100

264 96.8 52.7 79.1#

268 84.2 56.2 84.2



#25

Phenanthrene

Concen: 108.486 ng

RT: 17.368 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

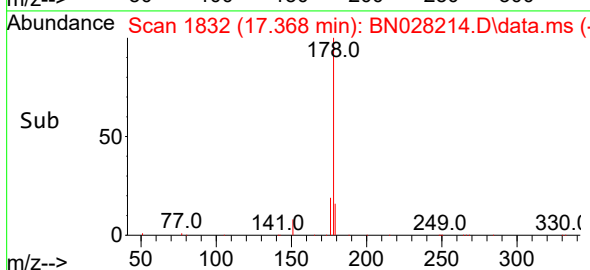
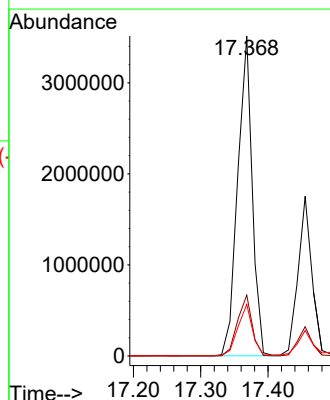
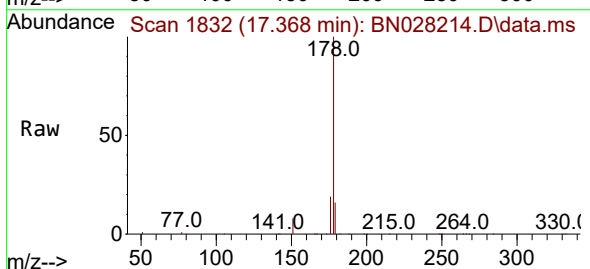
Tgt Ion:178 Resp: 5271584

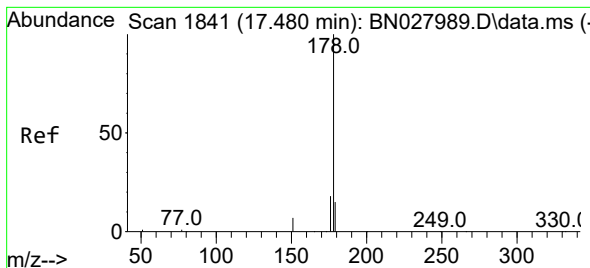
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 16.1 12.4 18.6





#26

Anthracene

Concen: 54.744 ng

RT: 17.455 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

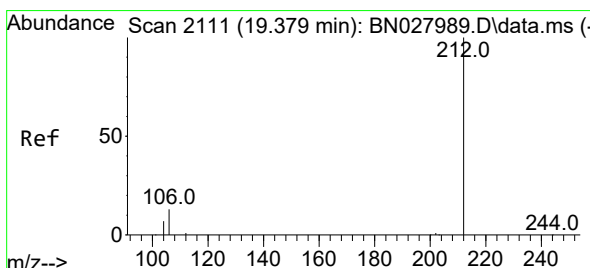
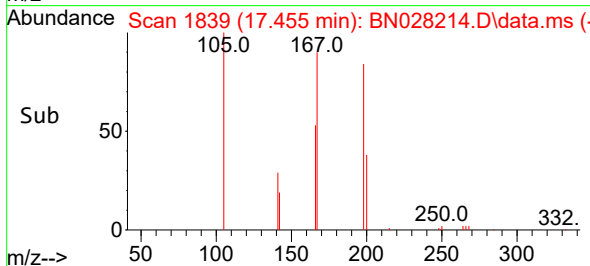
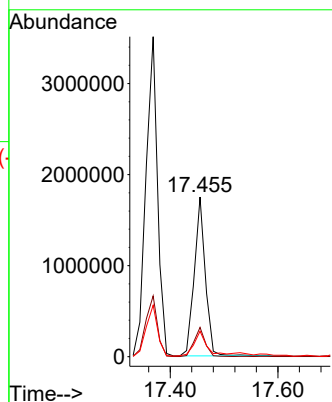
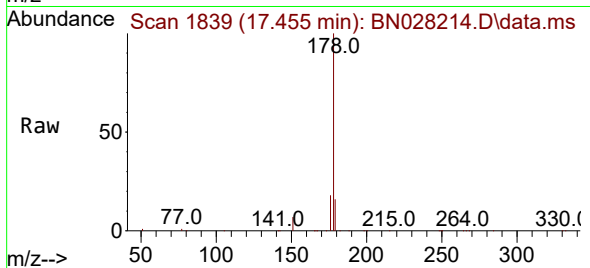
Tgt Ion:178 Resp: 2514368

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 17.9 12.2 18.2



#27

Fluoranthene-d10

Concen: 0.156 ng

RT: 19.356 min Scan# 2106

Delta R.T. -0.000 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

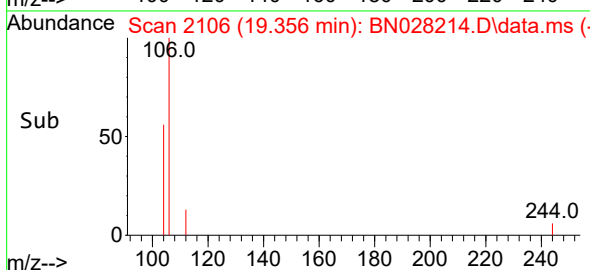
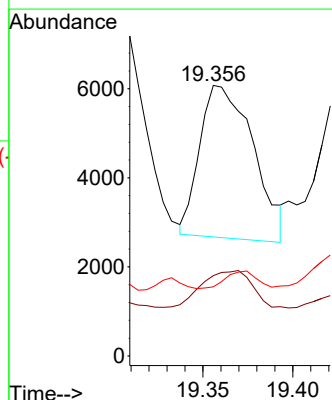
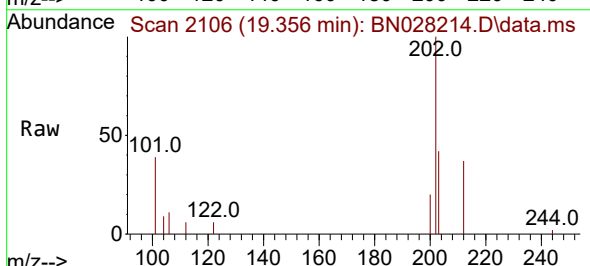
Tgt Ion:212 Resp: 7059

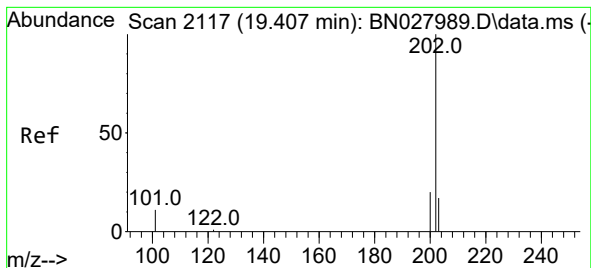
Ion Ratio Lower Upper

212 100

106 23.1 11.3 16.9#

104 7.1 6.4 9.6





#28

Fluoranthene

Concen: 119.420 ng

RT: 19.393 min Scan# 2114

Delta R.T. 0.009 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

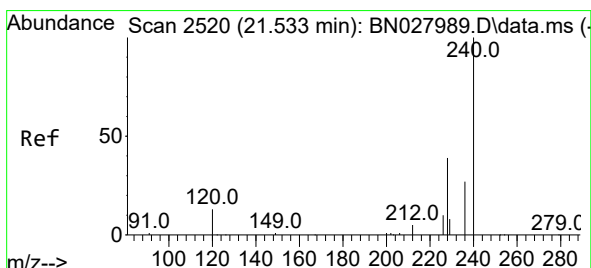
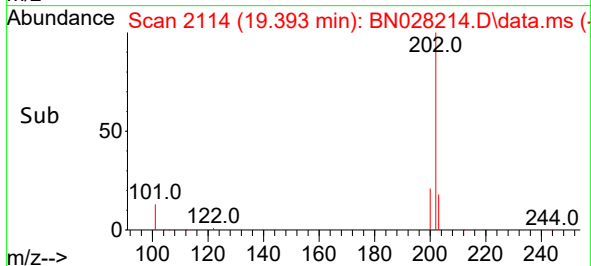
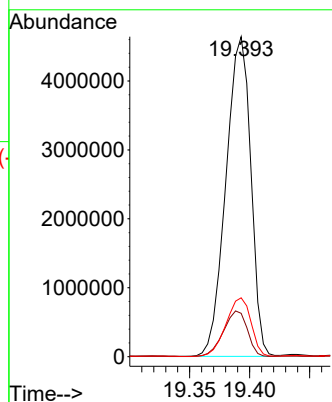
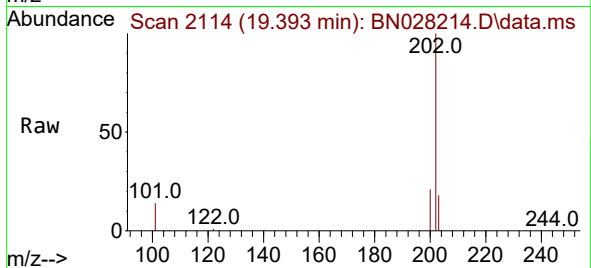
Tgt Ion:202 Resp: 6696953

Ion Ratio Lower Upper

202 100

101 13.8 9.8 14.6

203 18.4 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: BN028214.D

Acq: 11 Oct 2023 02:22

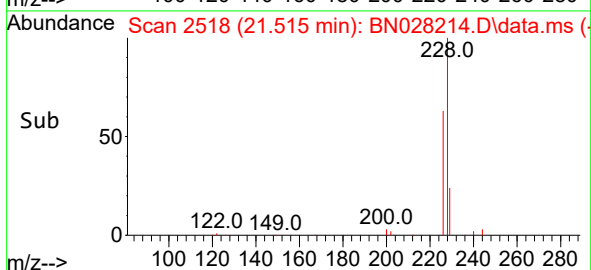
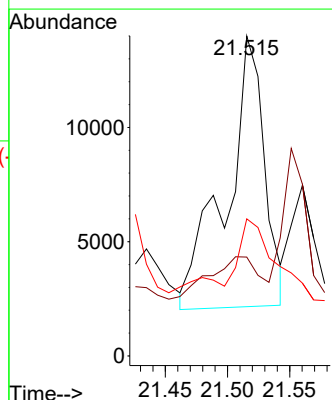
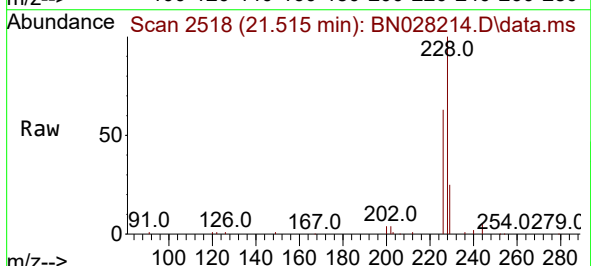
Tgt Ion:240 Resp: 25340

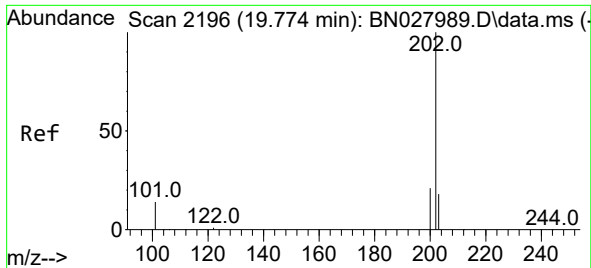
Ion Ratio Lower Upper

240 100

120 30.9 13.8 20.6#

236 42.9 22.6 33.8#

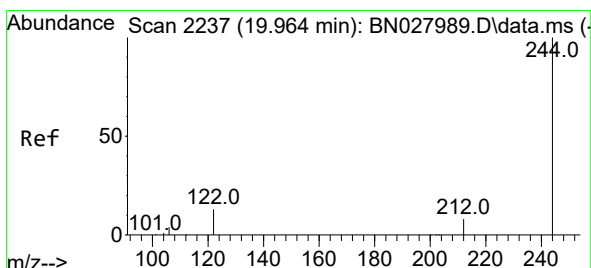
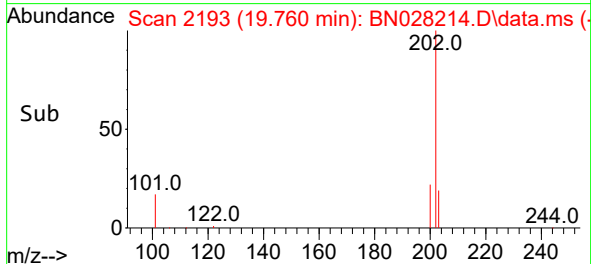
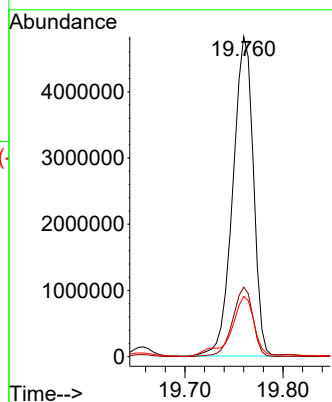
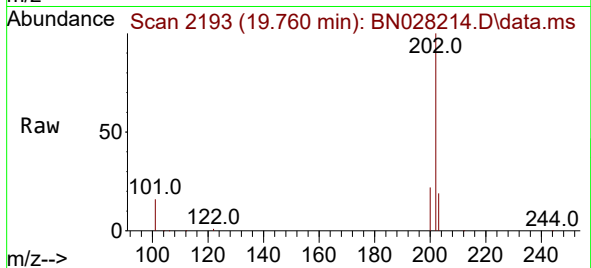




#30
Pyrene
Concen: 75.619 ng
RT: 19.760 min Scan# 2196
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

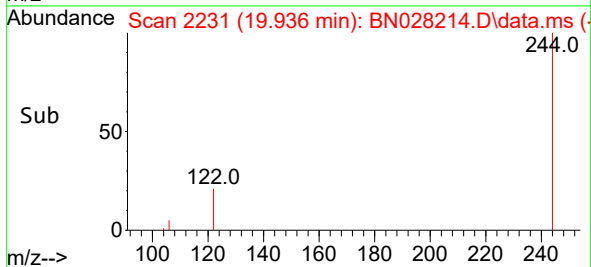
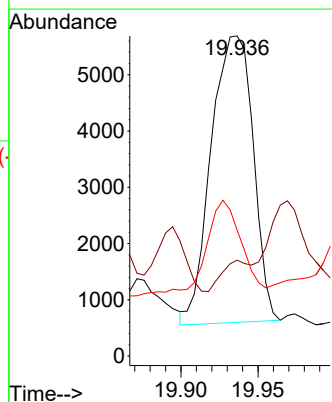
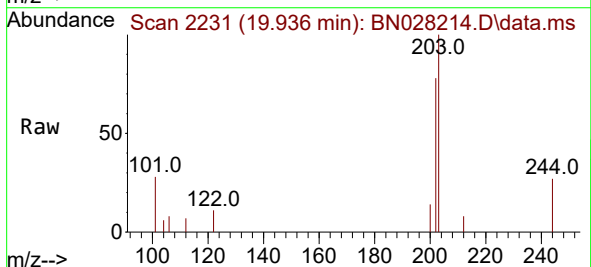
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

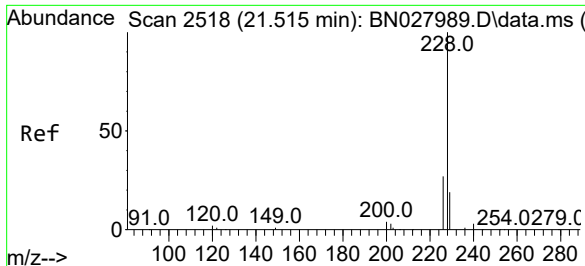
Tgt Ion:202 Resp: 7026437
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 21.0 14.7 22.1



#31
Terphenyl-d14
Concen: 0.164 ng
RT: 19.936 min Scan# 2231
Delta R.T. -0.005 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:244 Resp: 9672
Ion Ratio Lower Upper
244 100
212 29.9 6.6 9.8#
122 39.3 11.4 17.0#

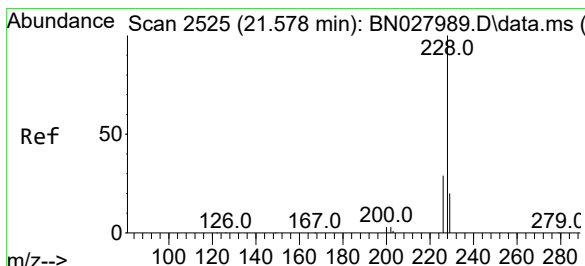
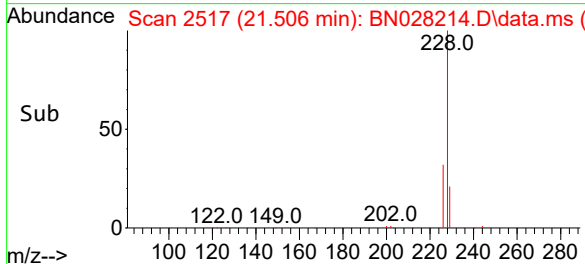
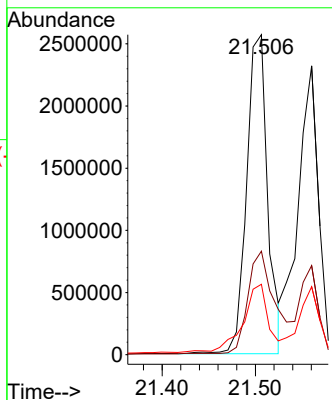
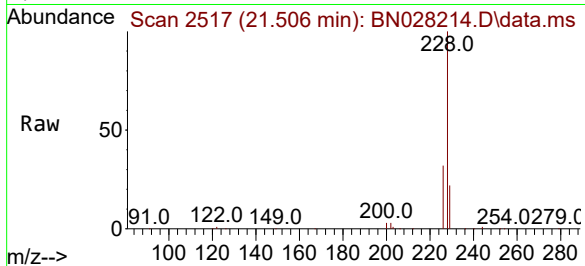




#32
Benzo(a)anthracene
Concen: 46.970 ng
RT: 21.506 min Scan# 21506
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

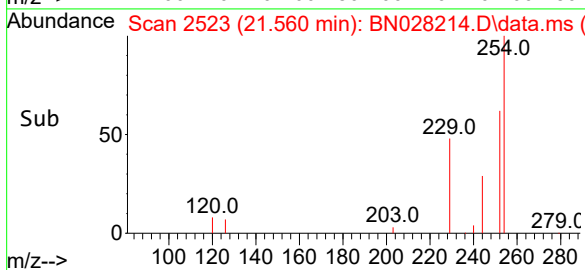
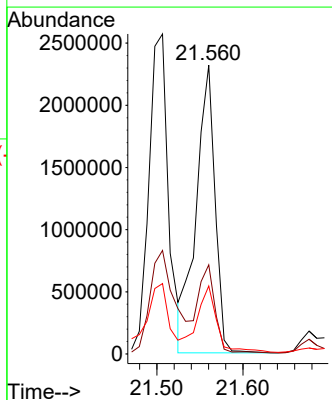
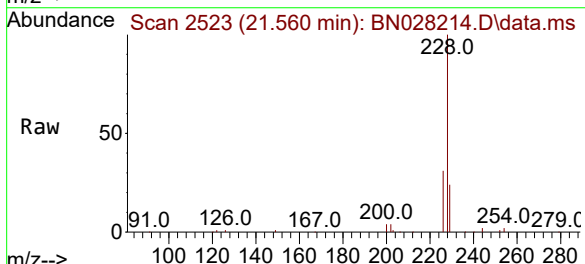
Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

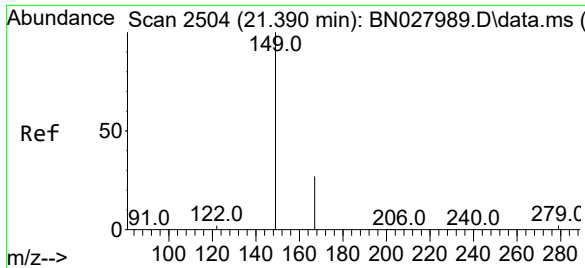
Tgt Ion:228 Resp: 4050084
Ion Ratio Lower Upper
228 100
226 32.4 22.0 33.0
229 22.0 16.0 24.0



#33
Chrysene
Concen: 42.701 ng
RT: 21.560 min Scan# 2523
Delta R.T. 0.009 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Tgt Ion:228 Resp: 3548321
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 23.6 16.6 25.0

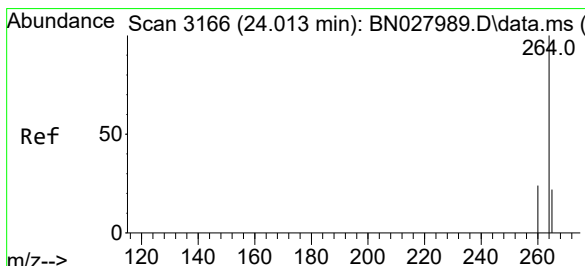
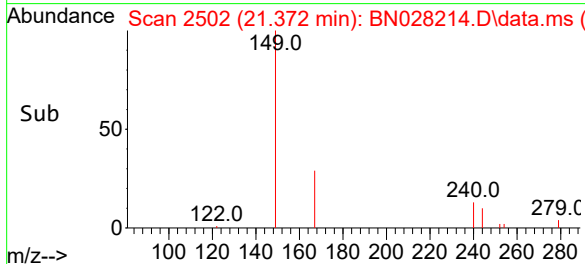
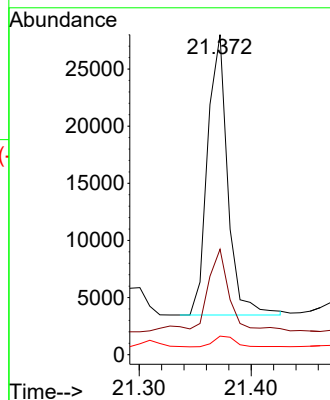
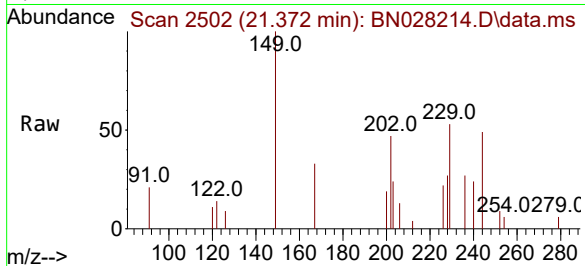




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.540 ng
 RT: 21.372 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

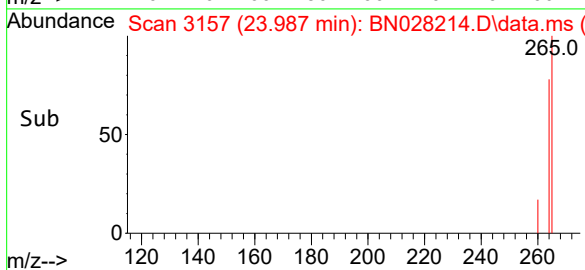
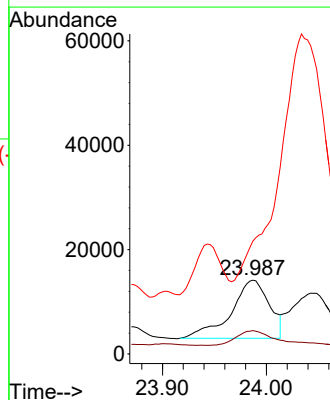
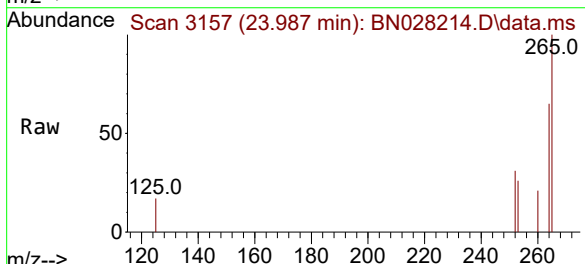
Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)

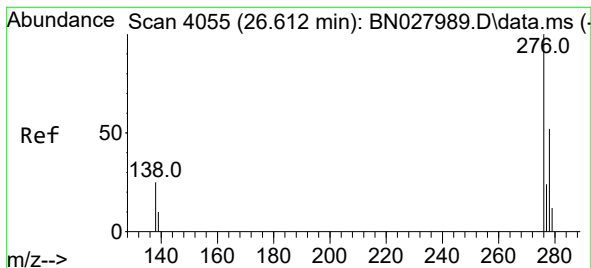
Tgt Ion:149 Resp: 30604
 Ion Ratio Lower Upper
 149 100
 167 33.8 22.1 33.1#
 279 4.2 3.4 5.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.987 min Scan# 3157
 Delta R.T. 0.012 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

Tgt Ion:264 Resp: 28665
 Ion Ratio Lower Upper
 264 100
 260 31.7 20.2 30.4#
 265 152.8 54.8 82.2#





#36

Indeno(1,2,3-cd)pyrene

Concen: 23.086 ng

RT: 26.589 min Scan# 4055

Delta R.T. 0.032 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

Instrument :

BNA_N

ClientSampleId :

S-1(0-5)

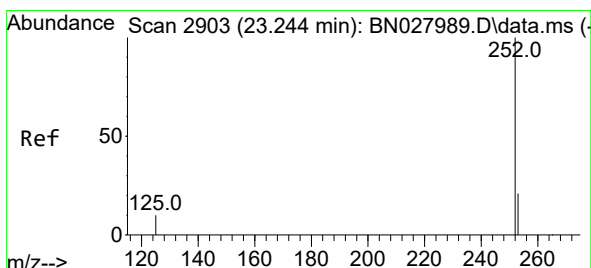
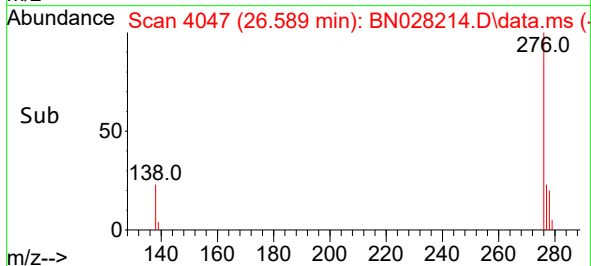
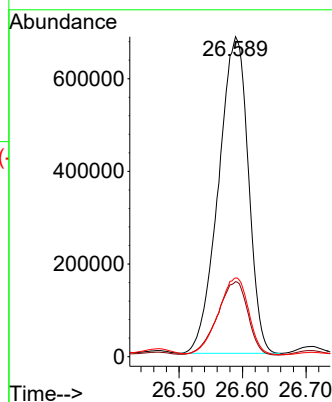
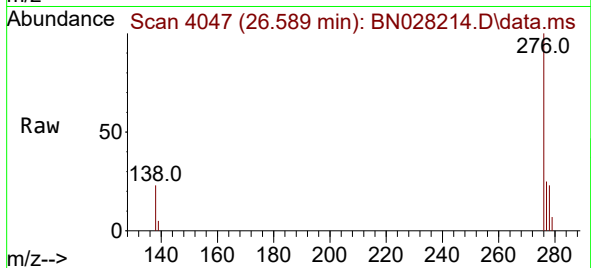
Tgt Ion:276 Resp: 2225959

Ion Ratio Lower Upper

276 100

138 23.7 20.9 31.3

277 24.7 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 46.308 ng

RT: 23.230 min Scan# 2898

Delta R.T. 0.018 min

Lab File: BN028214.D

Acq: 11 Oct 2023 02:22

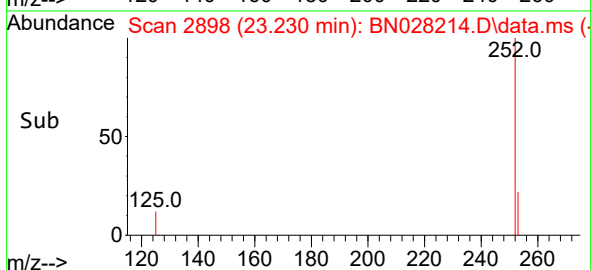
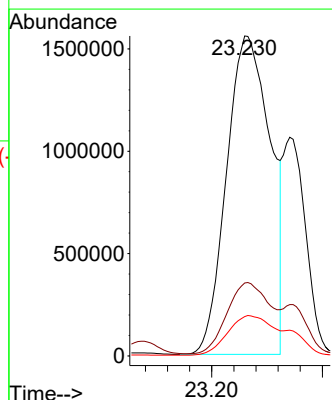
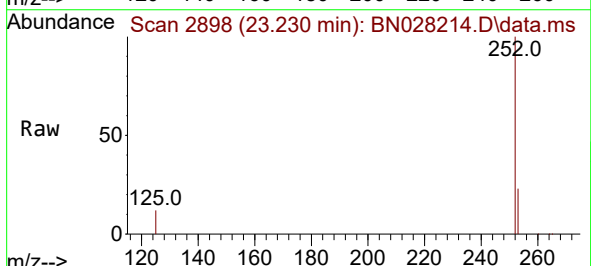
Tgt Ion:252 Resp: 4287112

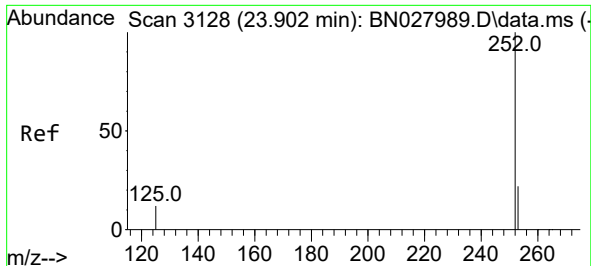
Ion Ratio Lower Upper

252 100

253 22.8 22.9 34.3#

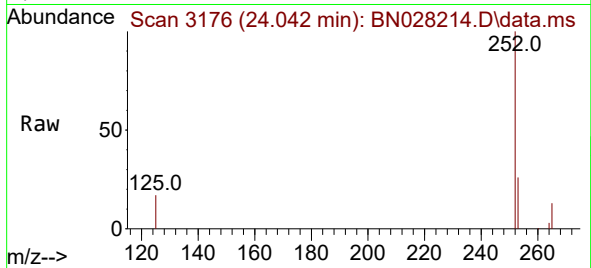
125 12.3 13.8 20.8#



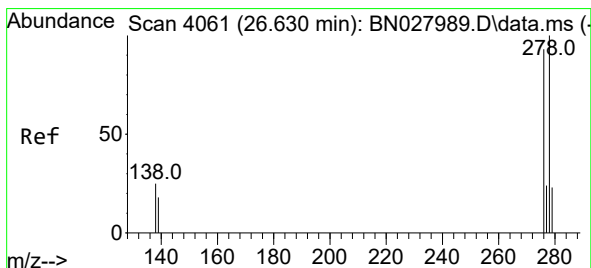
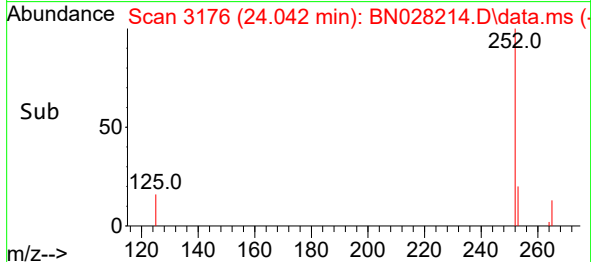
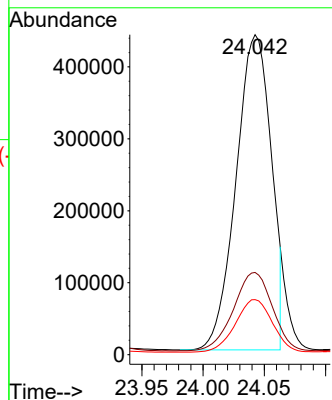


#39
Benzo(a)pyrene
Concen: 9.970 ng
RT: 24.042 min Scan# 31
Delta R.T. 0.178 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

Instrument :
BNA_N
ClientSampleId :
S-1(0-5)

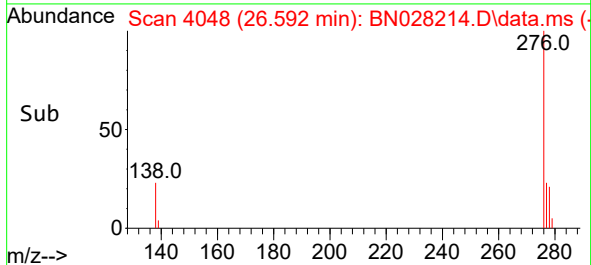
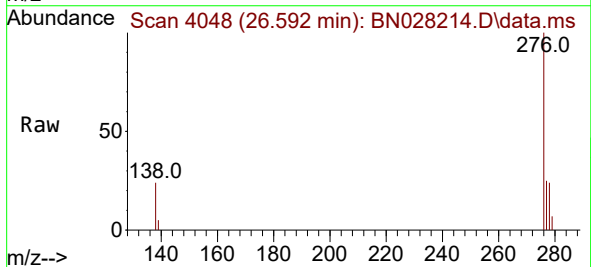
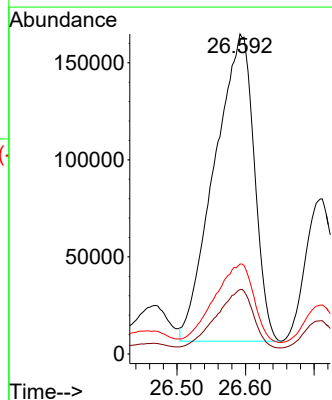


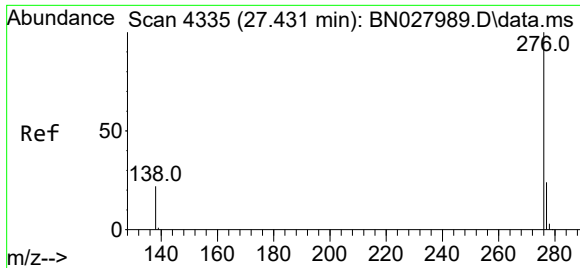
Tgt Ion:252 Resp: 872806
Ion Ratio Lower Upper
252 100
253 25.7 25.0 37.4
125 17.2 16.6 24.8



#40
Dibenzo(a,h)anthracene
Concen: 8.078 ng
RT: 26.592 min Scan# 4048
Delta R.T. 0.015 min
Lab File: BN028214.D
Acq: 11 Oct 2023 02:22

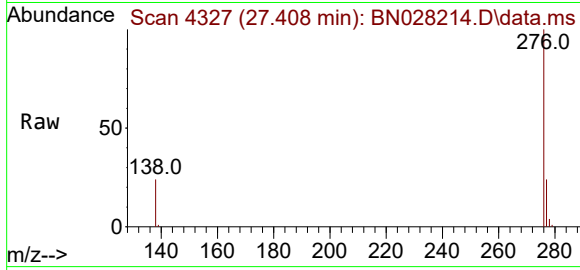
Tgt Ion:278 Resp: 637164
Ion Ratio Lower Upper
278 100
139 20.1 17.7 26.5
279 28.1 25.2 37.8





#41
 Benzo(g,h,i)perylene
 Concen: 27.230 ng
 RT: 27.408 min Scan# 41
 Delta R.T. 0.041 min
 Lab File: BN028214.D
 Acq: 11 Oct 2023 02:22

Instrument :
 BNA_N
 ClientSampleId :
 S-1(0-5)



Tgt Ion:276 Resp: 2204609
 Ion Ratio Lower Upper
 276 100
 277 24.4 22.1 33.1
 138 24.2 20.8 31.2

