

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028223.D
 Acq On : 11 Oct 2023 07:46
 Operator : MA/JU
 Sample : 04767-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-3(10-15)

Quant Time: Oct 11 08:14:51 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

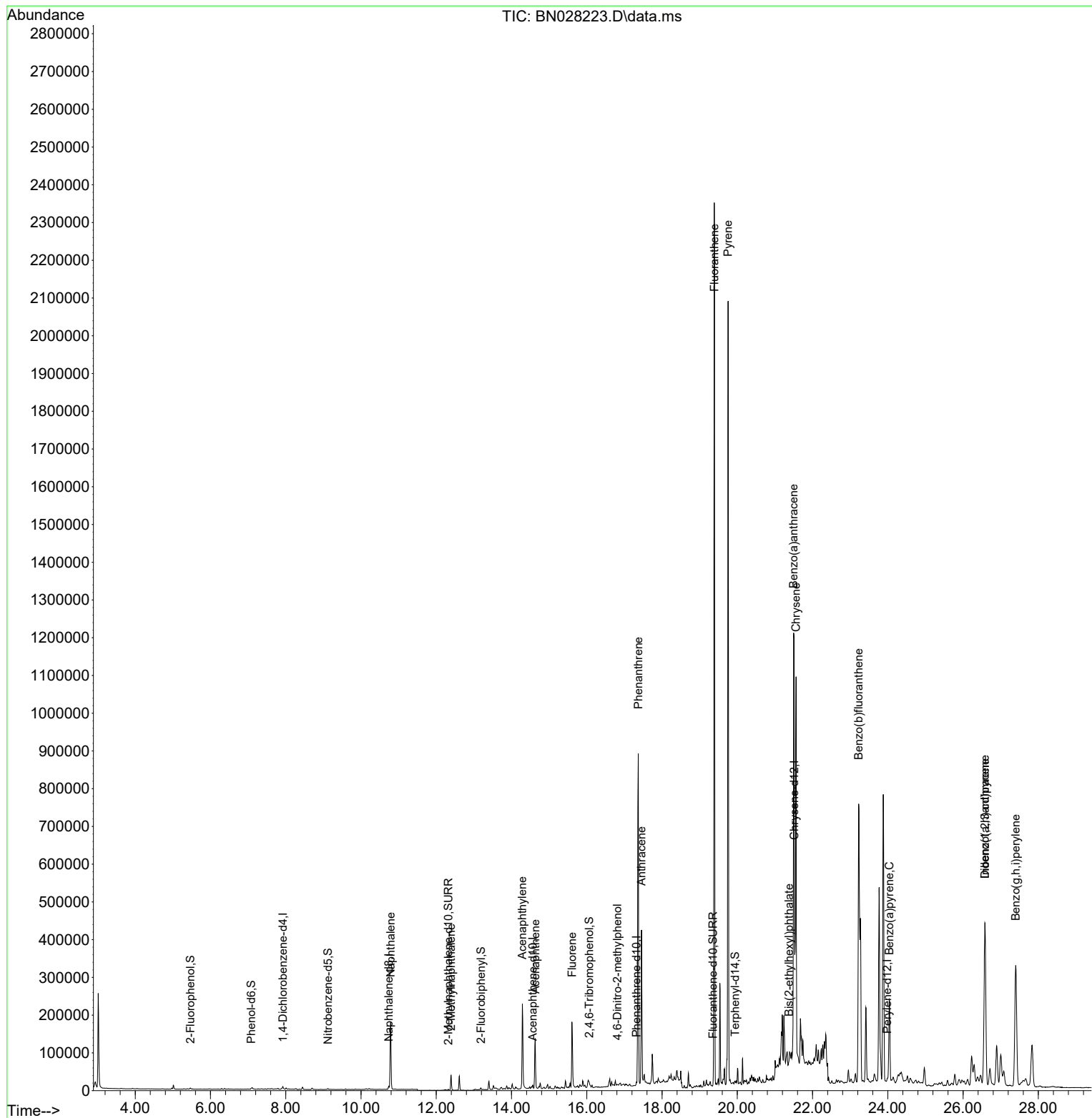
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3489	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11147	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	5942	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	11729	0.400	ng	# 0.00
29) Chrysene-d12	21.515	240	11191	0.400	ng	# 0.00
35) Perylene-d12	23.987	264	15753	0.400	ng	# 0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2805	0.270	ng	0.00
5) Phenol-d6	7.084	99	3142	0.239	ng	0.00
8) Nitrobenzene-d5	9.123	82	2881	0.304	ng	0.00
11) 2-Methylnaphthalene-d10	12.320	152	3335	0.202	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	591	0.217	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	4494	0.210	ng	0.00
27) Fluoranthene-d10	19.356	212	5357	0.182	ng	0.00
31) Terphenyl-d14	19.941	244	5796	0.222	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	243229	8.445	ng	98
12) 2-Methylnaphthalene	12.392	142	28971	1.438	ng	99
16) Acenaphthylene	14.288	152	285050	10.829	ng	99
17) Acenaphthene	14.630	154	73030	4.352	ng	99
18) Fluorene	15.606	166	144429	6.627	ng	95
20) 4,6-Dinitro-2-methylph...	16.810	198	449	2.880	ng	92
25) Phenanthrene	17.368	178	977688	30.919	ng	100
26) Anthracene	17.455	178	391668	13.104	ng	97
28) Fluoranthene	19.388	202	2104439	57.667	ng	99
30) Pyrene	19.755	202	1795690	43.759	ng	99
32) Benzo(a)anthracene	21.497	228	1127133	29.598	ng	98
33) Chrysene	21.560	228	949621	25.876	ng	97
34) Bis(2-ethylhexyl)phtha...	21.372	149	1490	0.059	ng	# 1
36) Indeno(1,2,3-cd)pyrene	26.580	276	757657	14.299	ng	97
37) Benzo(b)fluoranthene	23.227	252	1359956	26.730	ng	# 89
39) Benzo(a)pyrene	24.039	252	287556	5.977	ng	94
40) Dibenzo(a,h)anthracene	26.583	278	208622	4.813	ng	99
41) Benzo(g,h,i)perylene	27.399	276	737279	16.571	ng	95

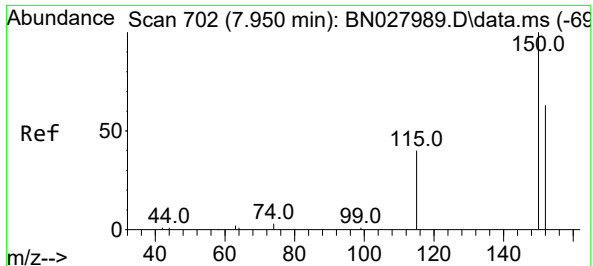
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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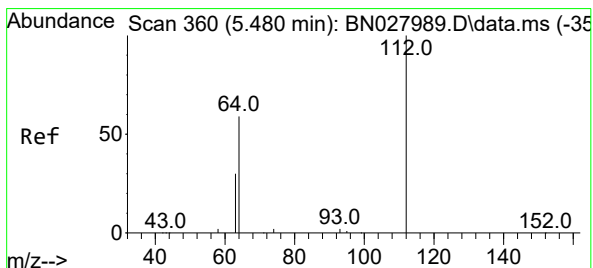
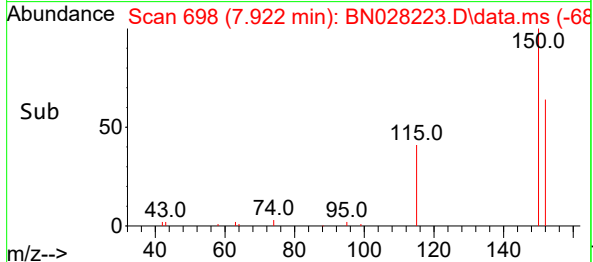
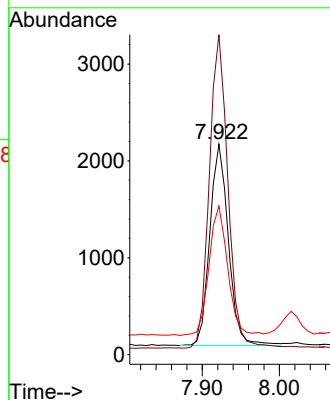
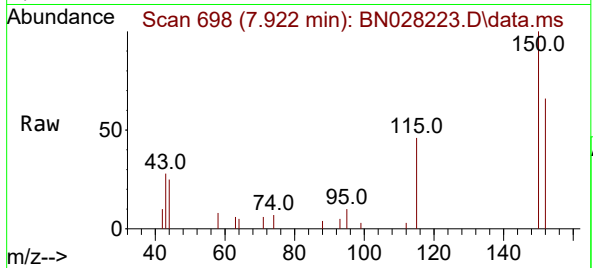




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

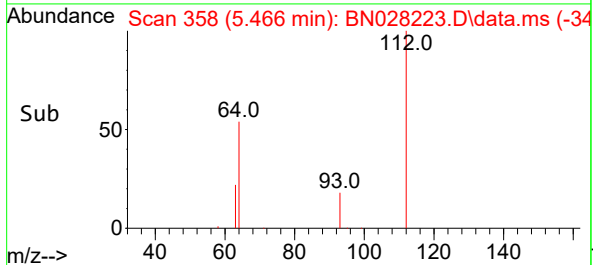
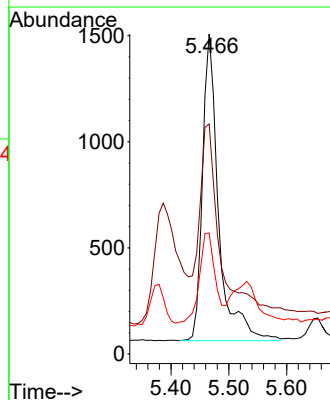
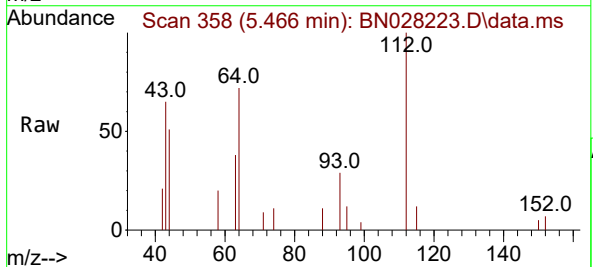
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BNA_N
ClientSampleId :
Q-3(10-15)

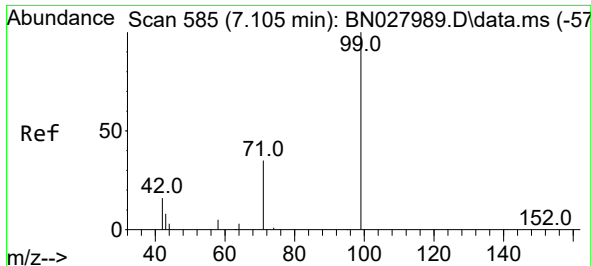
Tgt Ion:152 Resp: 3489
Ion Ratio Lower Upper
152 100
150 152.1 125.6 188.4
115 70.7 54.8 82.2



#4
2-Fluorophenol
Concen: 0.270 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:112 Resp: 2805
Ion Ratio Lower Upper
112 100
64 68.2 45.0 67.6#
63 29.7 23.4 35.0

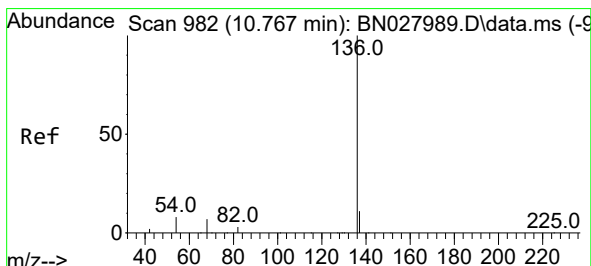
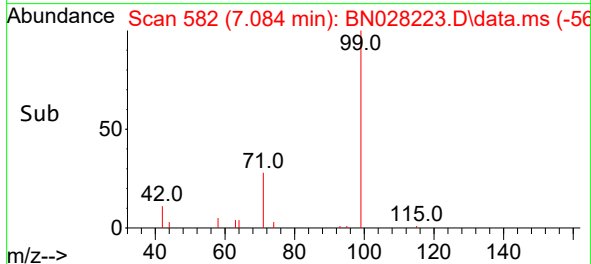
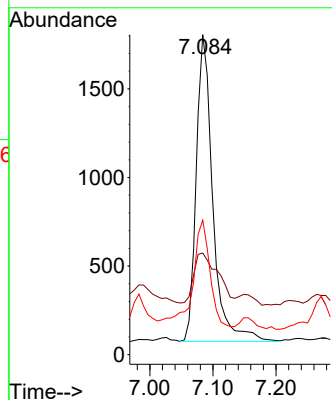
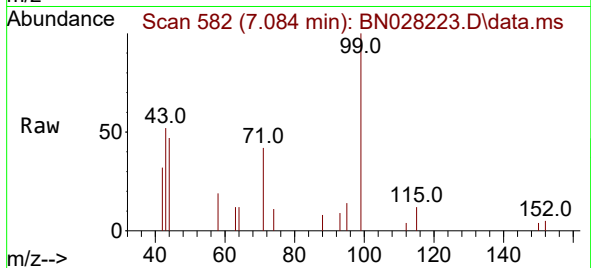




#5
Phenol-d6
Concen: 0.239 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

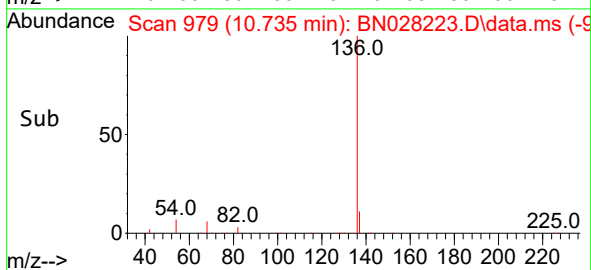
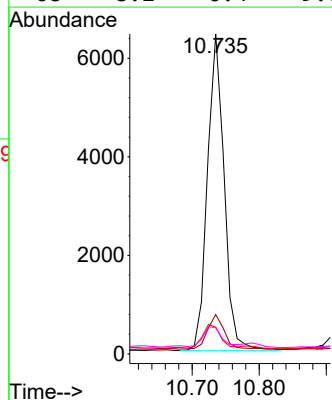
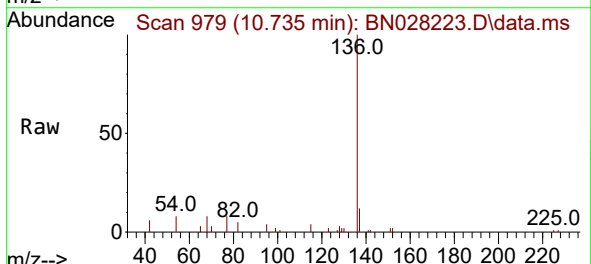
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

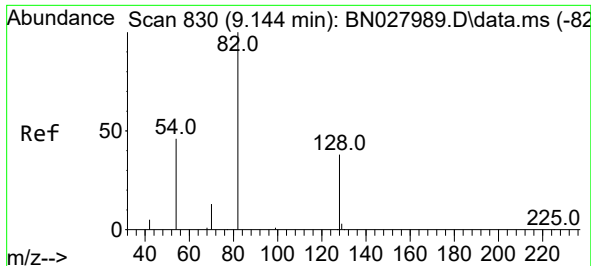
Tgt Ion: 99 Resp: 3142
Ion Ratio Lower Upper
99 100
42 23.8 14.6 22.0#
71 36.0 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion: 136 Resp: 11147
Ion Ratio Lower Upper
136 100
137 12.3 9.4 14.0
54 8.4 7.0 10.6
68 8.2 6.4 9.6

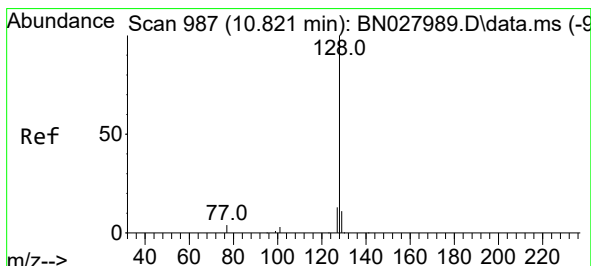
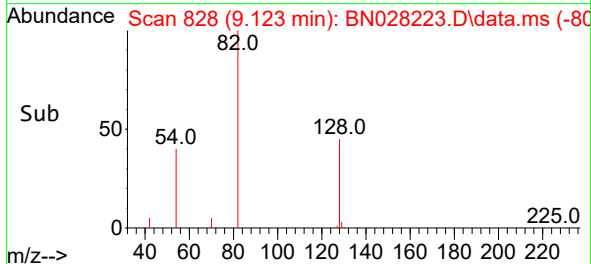
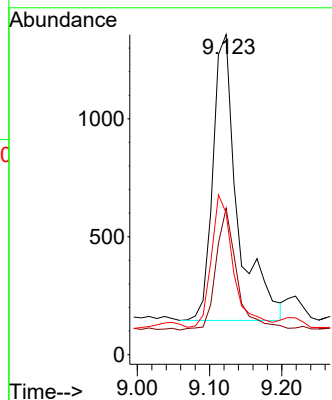
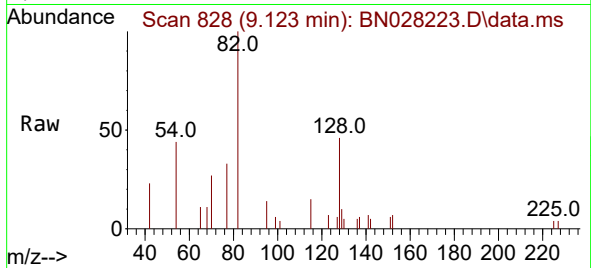




#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 9.123 min Scan# 81
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

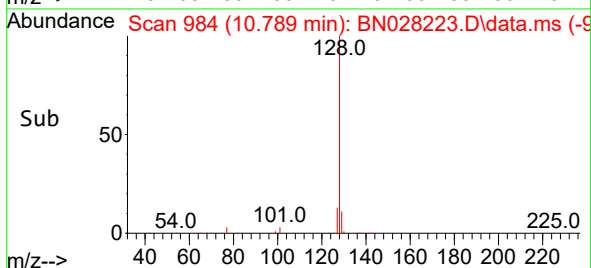
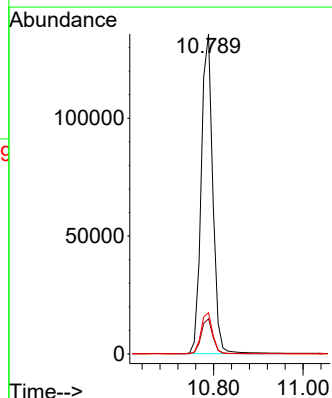
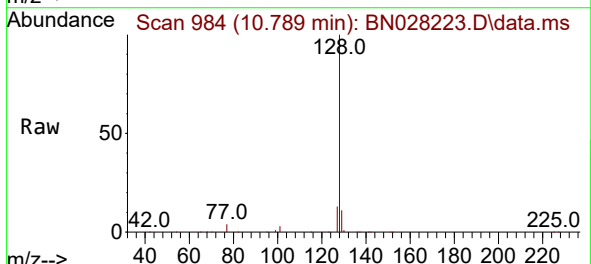
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

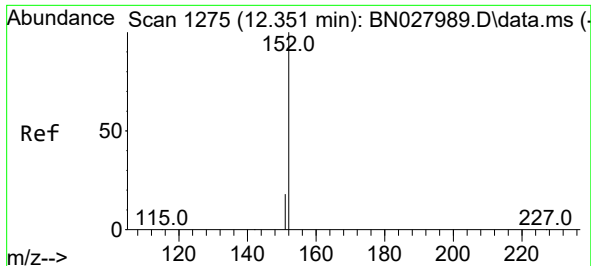
Tgt Ion: 82 Resp: 2881
Ion Ratio Lower Upper
82 100
128 45.8 32.7 49.1
54 44.3 38.7 58.1



#9
Naphthalene
Concen: 8.445 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion: 128 Resp: 243229
Ion Ratio Lower Upper
128 100
129 11.0 9.4 14.2
127 12.9 10.9 16.3

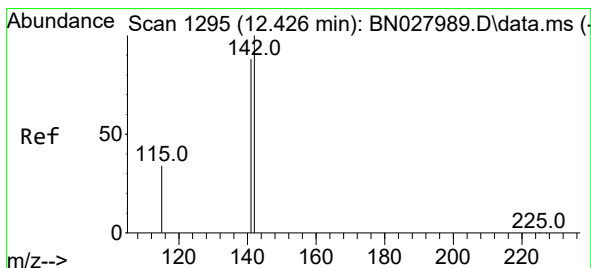
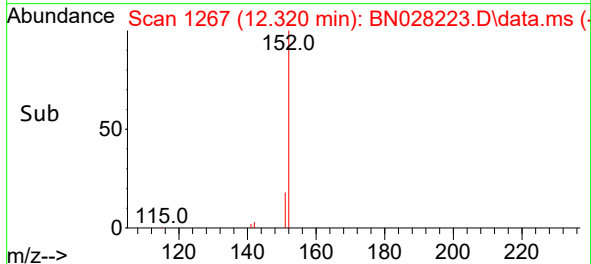
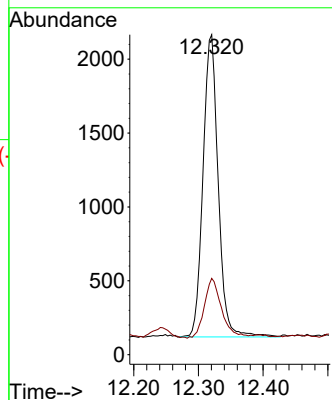
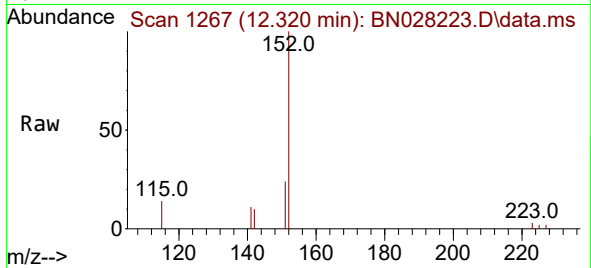




#11
2-Methylnaphthalene-d10
Concen: 0.202 ng
RT: 12.320 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

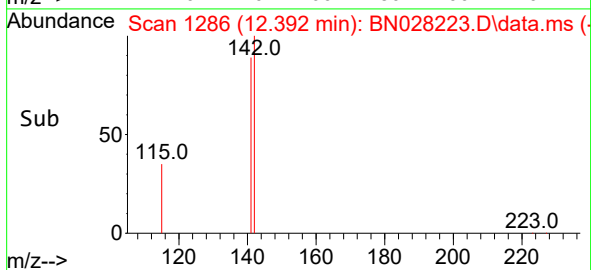
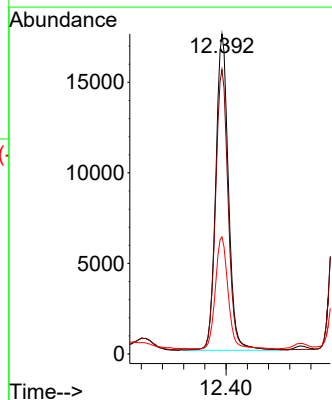
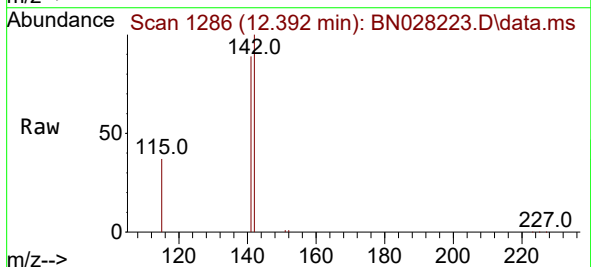
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

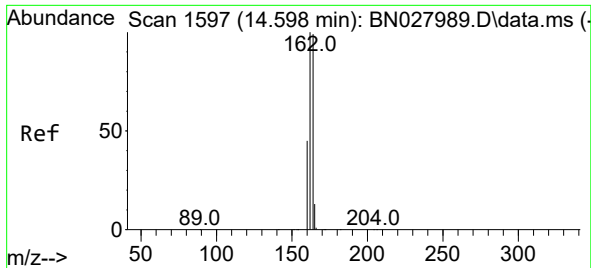
Tgt Ion:152 Resp: 3335
Ion Ratio Lower Upper
152 100
151 22.7 16.5 24.7



#12
2-Methylnaphthalene
Concen: 1.438 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:142 Resp: 28971
Ion Ratio Lower Upper
142 100
141 88.9 70.7 106.1
115 36.6 28.6 42.8

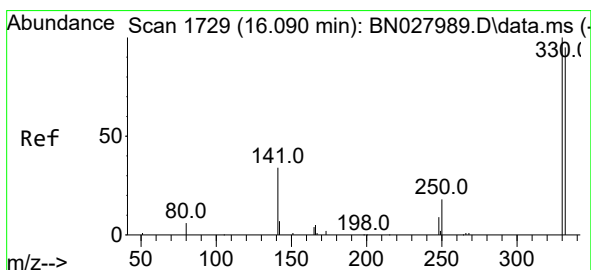
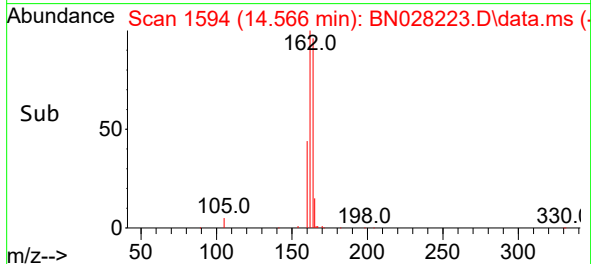
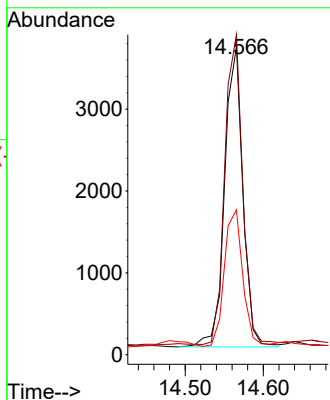
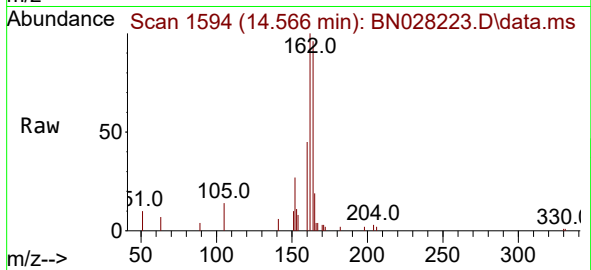




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

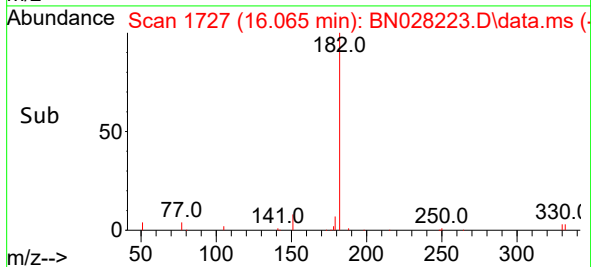
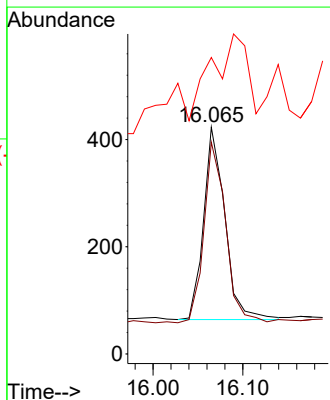
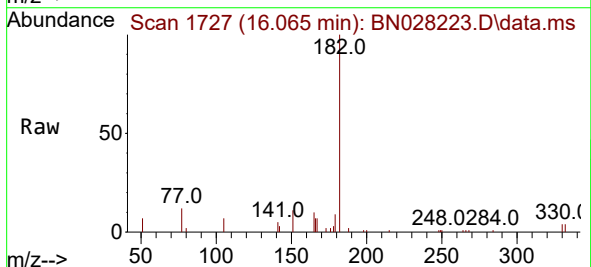
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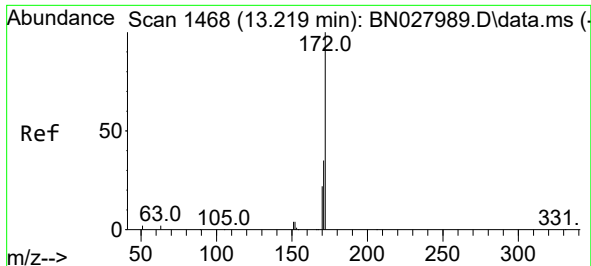
Tgt Ion:164 Resp: 5942
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 47.0 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:330 Resp: 591
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 0.0 33.4 50.2#

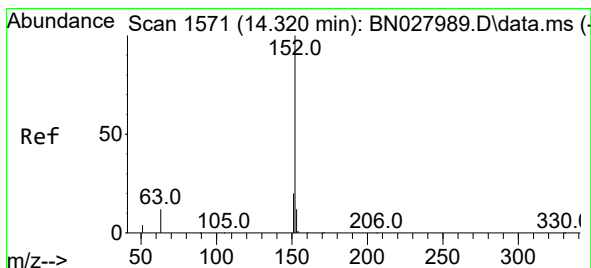
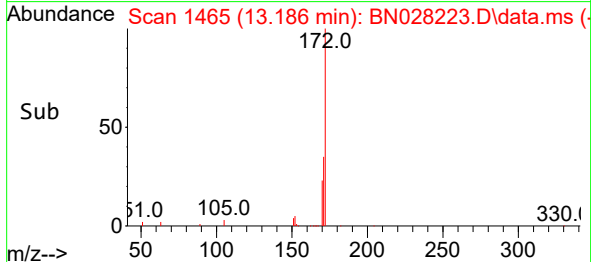
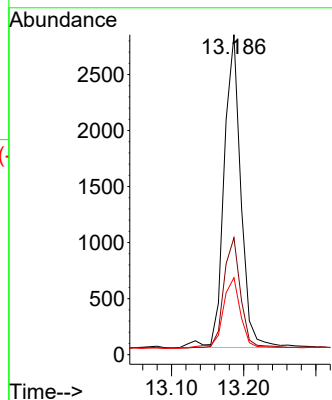
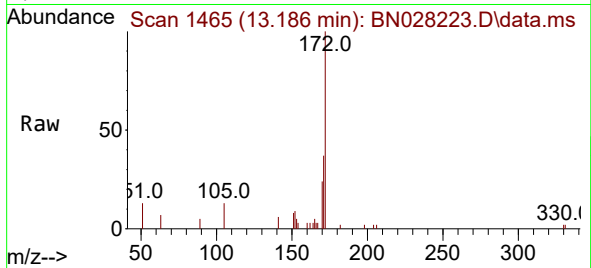




#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

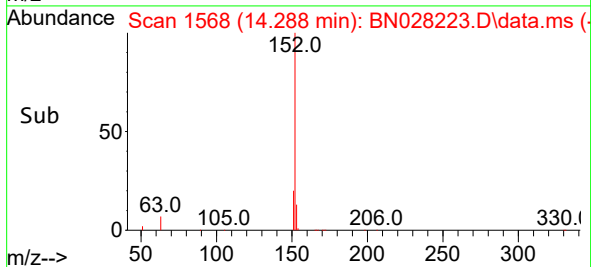
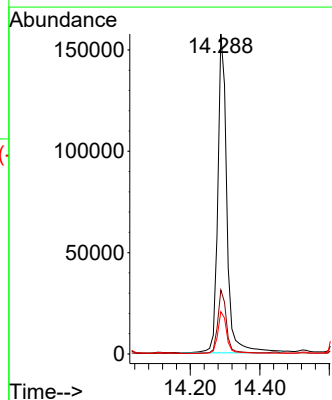
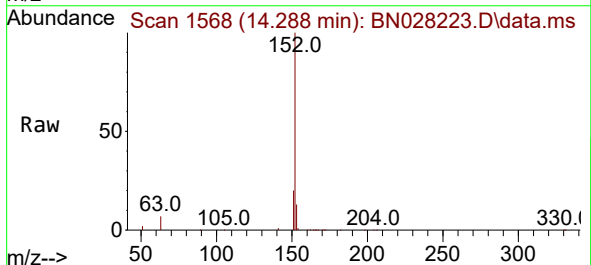
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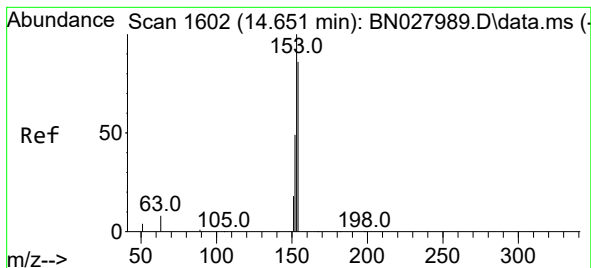
Tgt Ion:172 Resp: 4494
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 24.0 18.4 27.6



#16
Acenaphthylene
Concen: 10.829 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:152 Resp: 285050
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.6
153 13.0 10.2 15.4





#17

Acenaphthene

Concen: 4.352 ng

RT: 14.630 min Scan# 1600

Delta R.T. -0.000 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

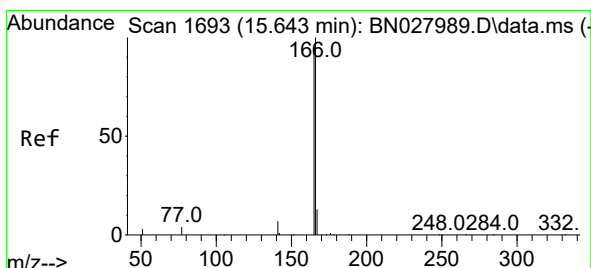
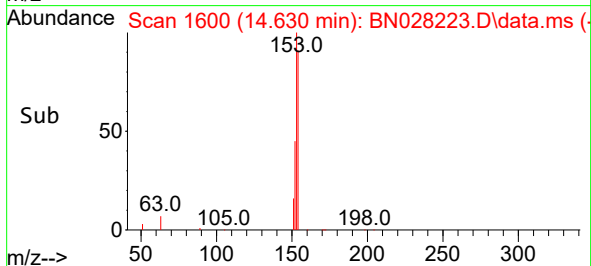
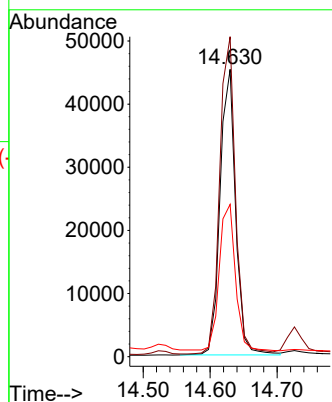
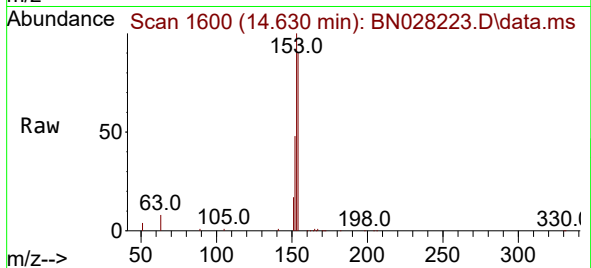
Tgt Ion:154 Resp: 73030

Ion Ratio Lower Upper

154 100

153 112.7 90.8 136.2

152 53.4 43.9 65.9



#18

Fluorene

Concen: 6.627 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

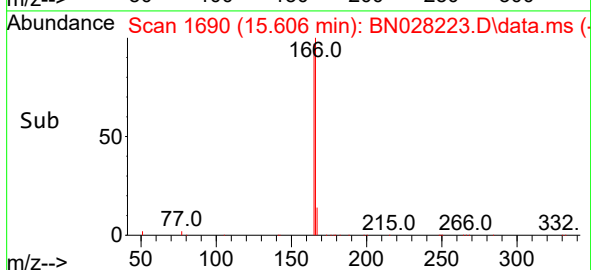
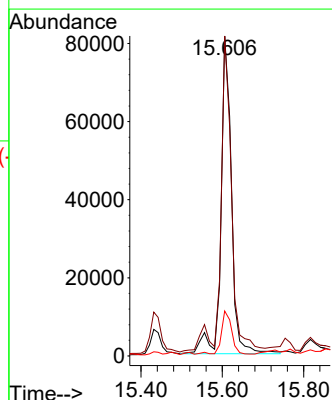
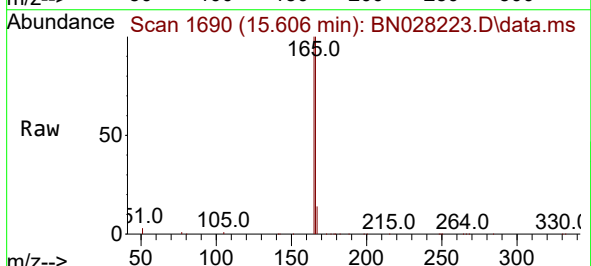
Tgt Ion:166 Resp: 144429

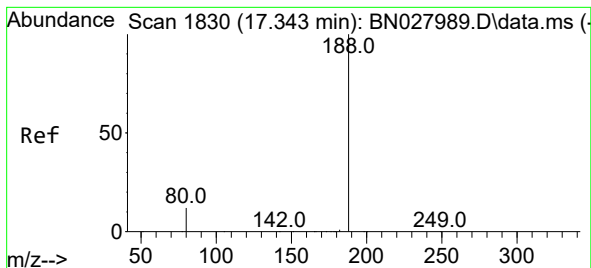
Ion Ratio Lower Upper

166 100

165 103.0 77.8 116.8

167 13.5 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: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

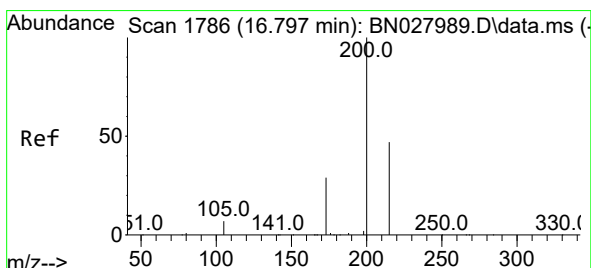
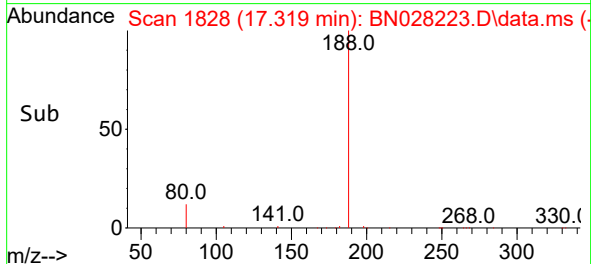
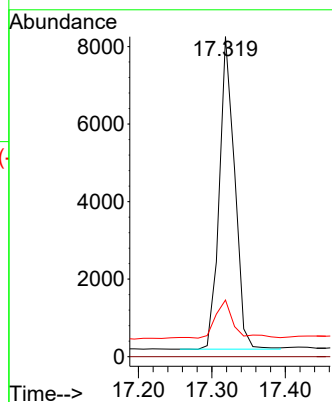
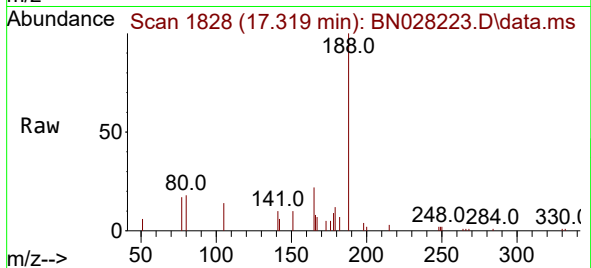
Tgt Ion:188 Resp: 11729

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 17.7 10.2 15.4#



#20

4,6-Dinitro-2-methylphenol

Concen: 2.880 ng

RT: 16.810 min Scan# 1787

Delta R.T. 0.025 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

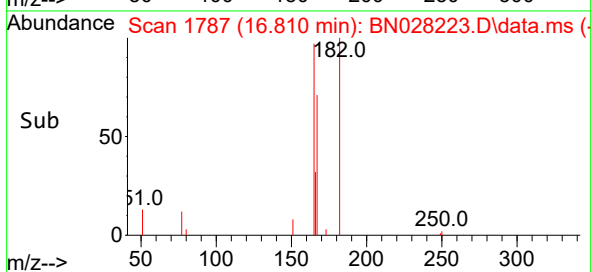
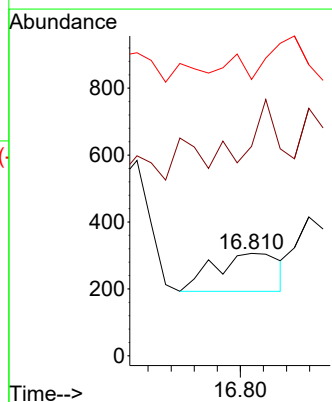
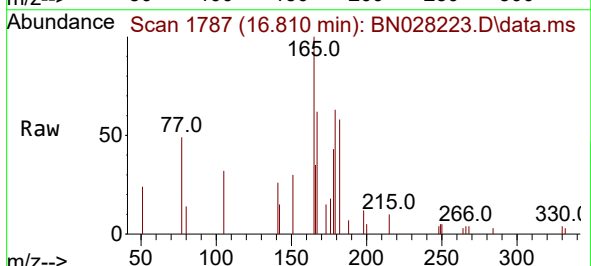
Tgt Ion:198 Resp: 449

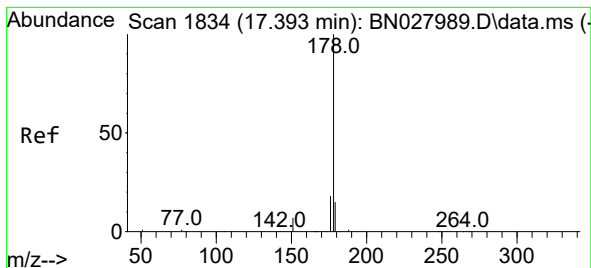
Ion Ratio Lower Upper

198 100

51 204.6 180.7 271.1

105 269.9 222.2 333.2





#25

Phenanthrene

Concen: 30.919 ng

RT: 17.368 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

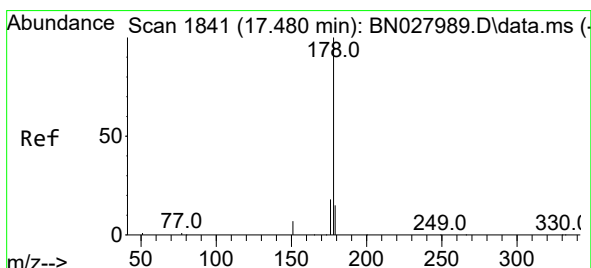
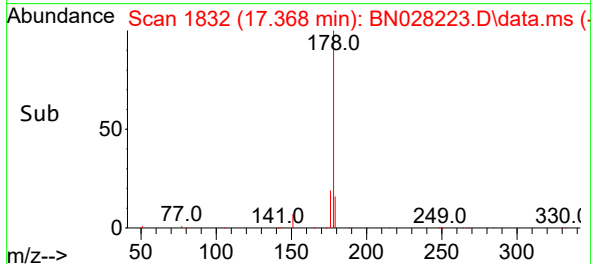
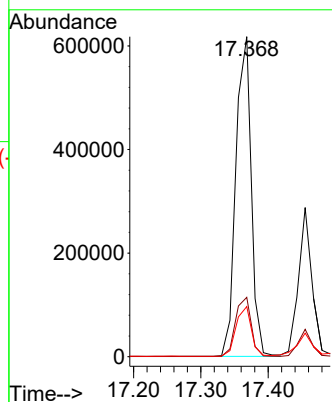
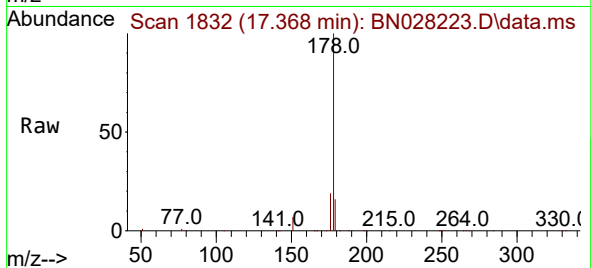
Tgt Ion:178 Resp: 977688

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.6 12.4 18.6



#26

Anthracene

Concen: 13.104 ng

RT: 17.455 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

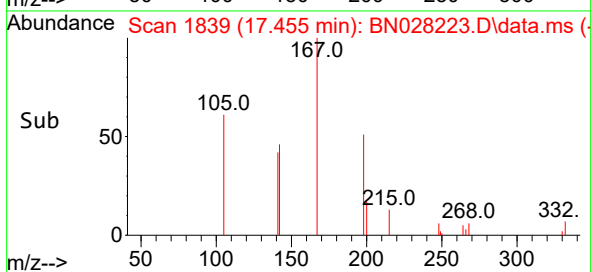
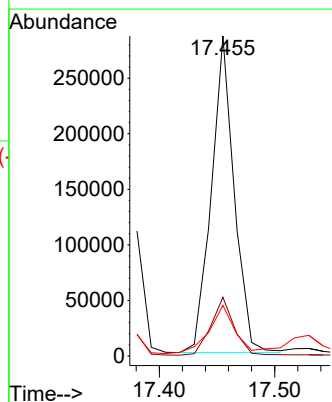
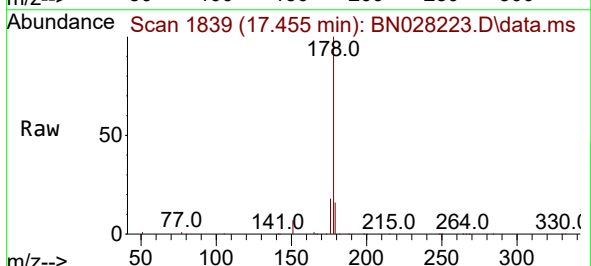
Tgt Ion:178 Resp: 391668

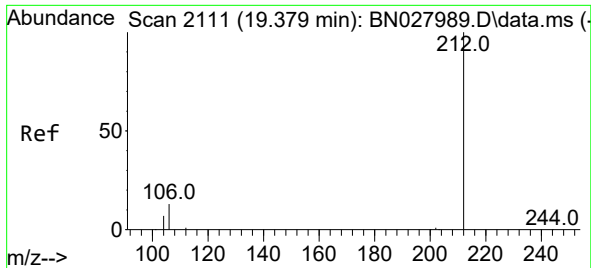
Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

179 17.8 12.2 18.2

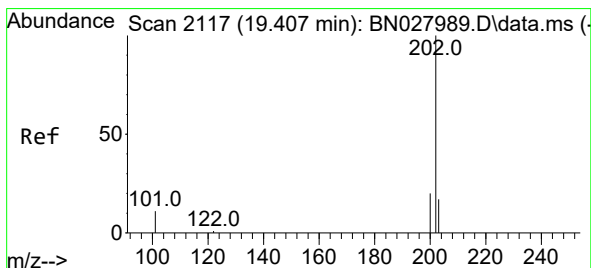
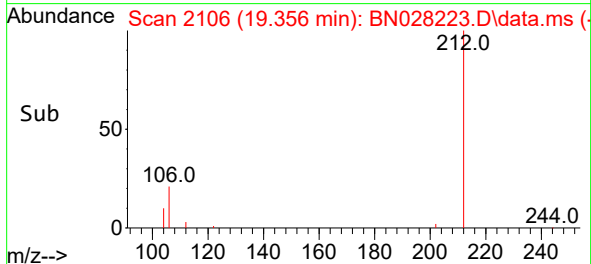
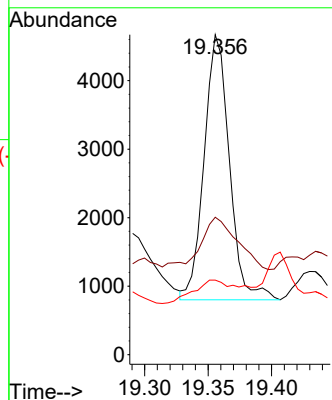
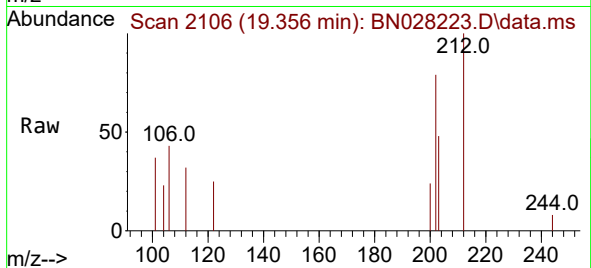




#27
Fluoranthene-d10
Concen: 0.182 ng
RT: 19.356 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

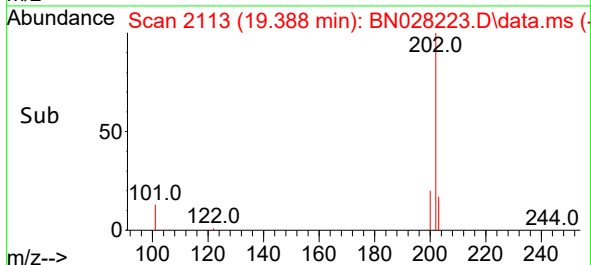
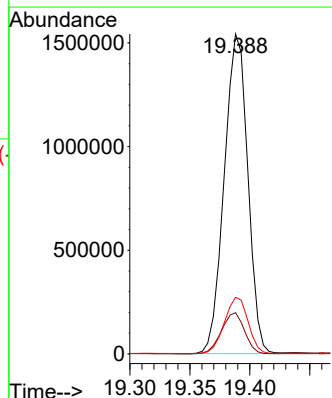
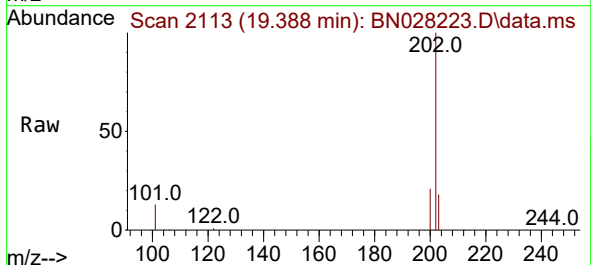
Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

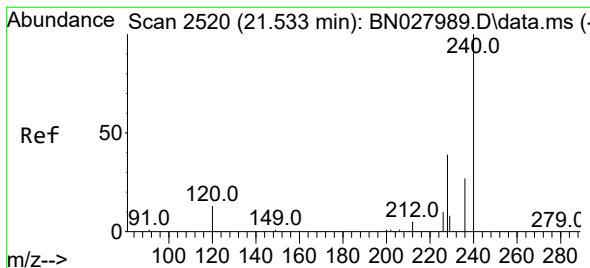
Tgt Ion:212 Resp: 5357
Ion Ratio Lower Upper
212 100
106 28.8 11.3 16.9#
104 16.4 6.4 9.6#



#28
Fluoranthene
Concen: 57.667 ng
RT: 19.388 min Scan# 2113
Delta R.T. 0.004 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:202 Resp: 2104439
Ion Ratio Lower Upper
202 100
101 12.6 9.8 14.6
203 17.7 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 21191

Delta R.T. -0.000 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

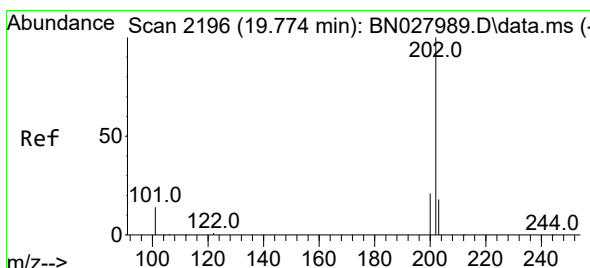
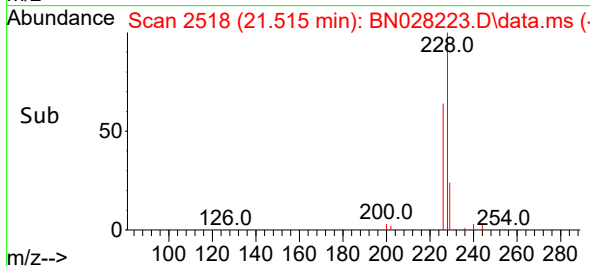
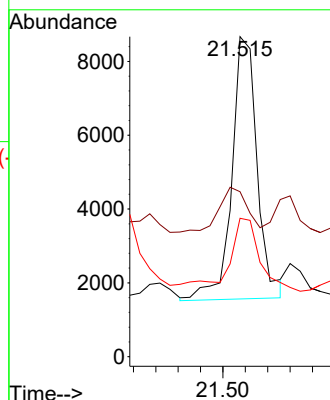
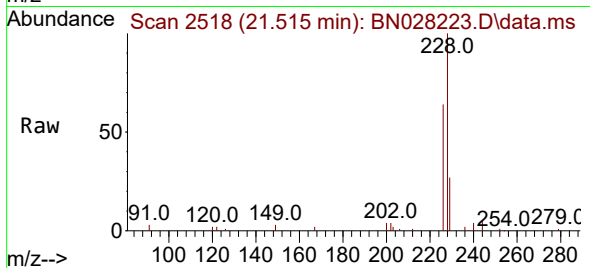
Tgt Ion:240 Resp: 11191

Ion Ratio Lower Upper

240 100

120 51.5 13.8 20.6#

236 43.3 22.6 33.8#



#30

Pyrene

Concen: 43.759 ng

RT: 19.755 min Scan# 2192

Delta R.T. 0.004 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

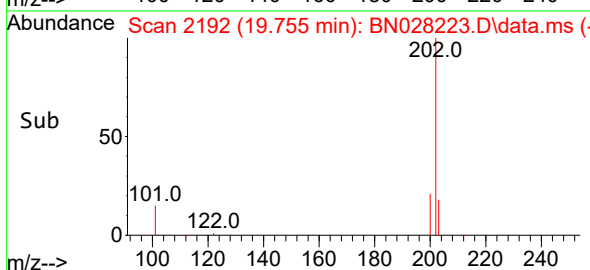
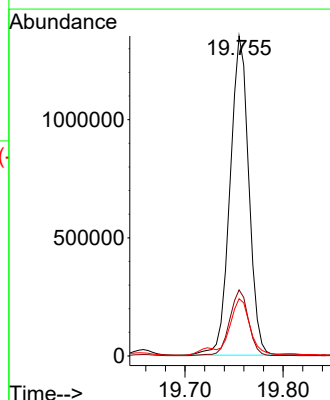
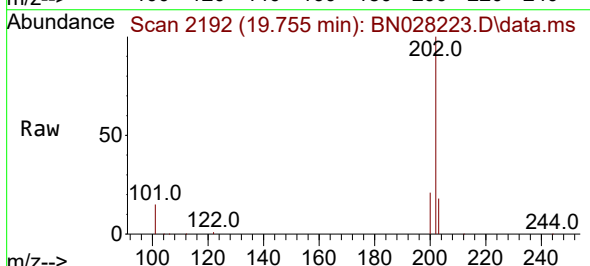
Tgt Ion:202 Resp: 1795690

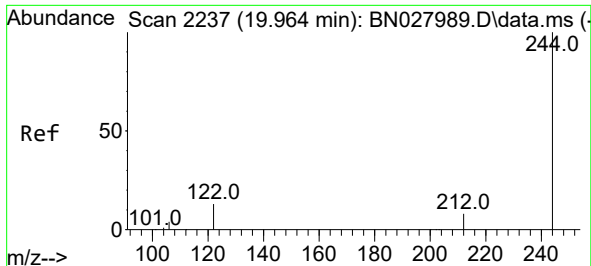
Ion Ratio Lower Upper

202 100

200 20.7 16.5 24.7

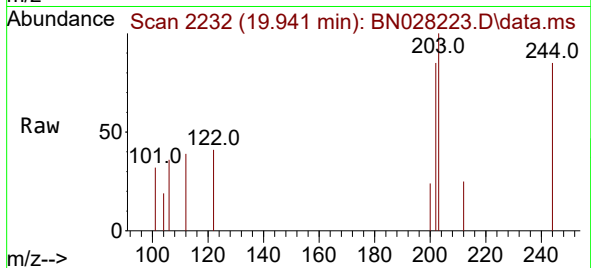
203 17.8 14.7 22.1



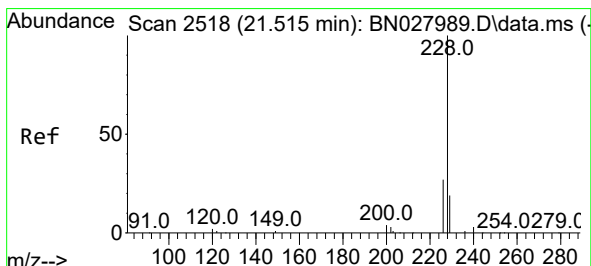
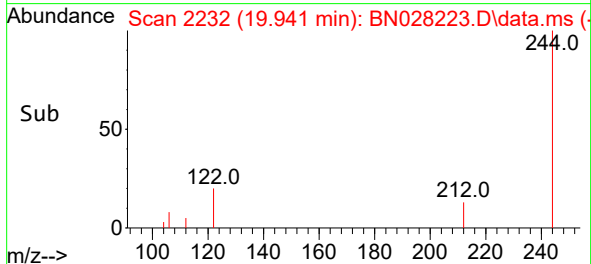
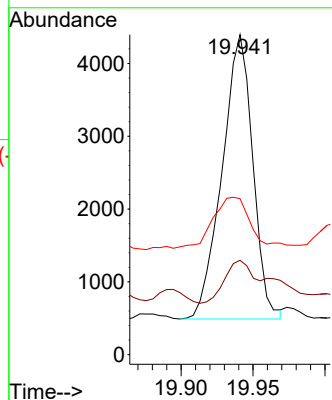


#31
 Terphenyl-d14
 Concen: 0.222 ng
 RT: 19.941 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: BN028223.D
 Acq: 11 Oct 2023 07:46

Instrument :
 BNA_N
 ClientSampleId :
 Q-3(10-15)

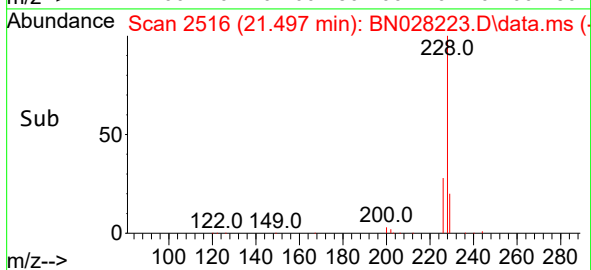
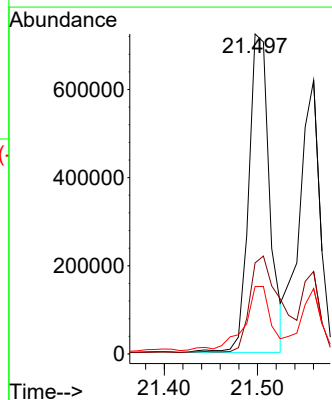
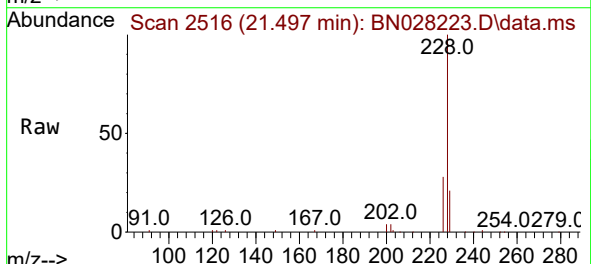


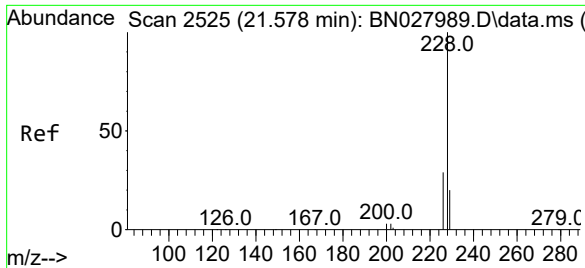
Tgt Ion:244 Resp: 5796
 Ion Ratio Lower Upper
 244 100
 212 29.5 6.6 9.8#
 122 48.7 11.4 17.0#



#32
 Benzo(a)anthracene
 Concen: 29.598 ng
 RT: 21.497 min Scan# 2516
 Delta R.T. -0.000 min
 Lab File: BN028223.D
 Acq: 11 Oct 2023 07:46

Tgt Ion:228 Resp: 1127133
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.0 33.0
 229 21.0 16.0 24.0





#33

Chrysene

Concen: 25.876 ng

RT: 21.560 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

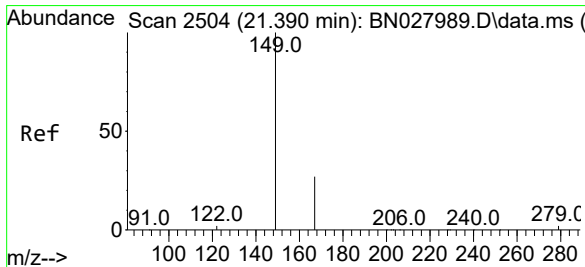
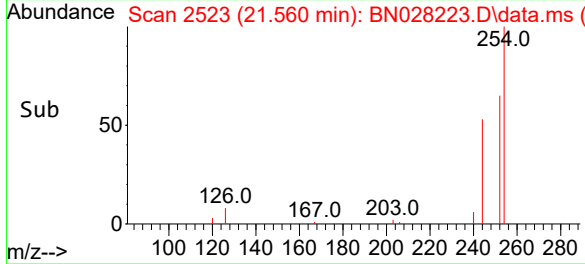
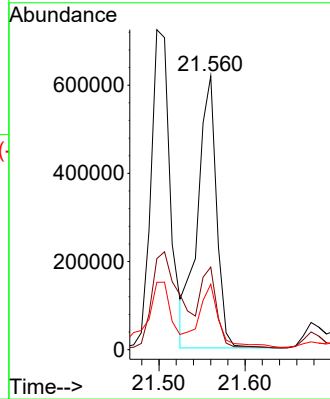
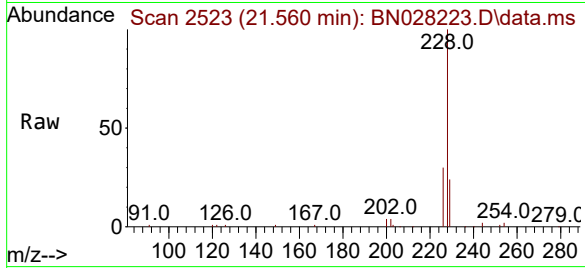
Tgt Ion:228 Resp: 949621

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 23.9 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

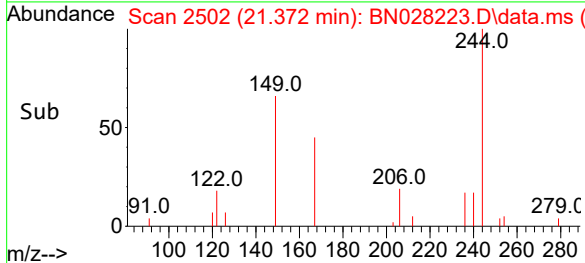
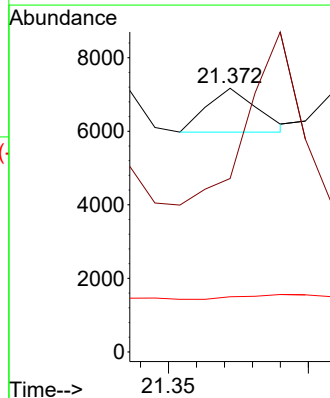
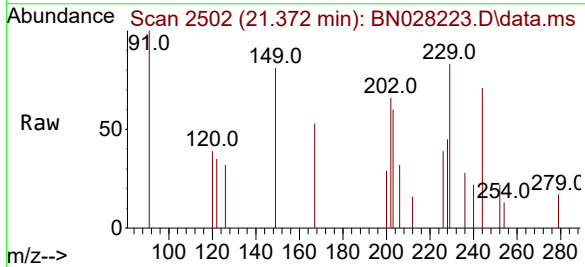
Tgt Ion:149 Resp: 1490

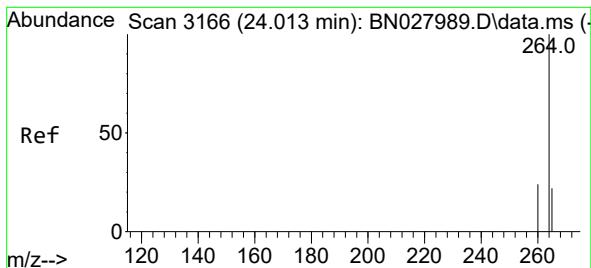
Ion Ratio Lower Upper

149 100

167 420.2 22.1 33.1#

279 23.1 3.4 5.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.987 min Scan# 31

Delta R.T. 0.012 min

Lab File: BN028223.D

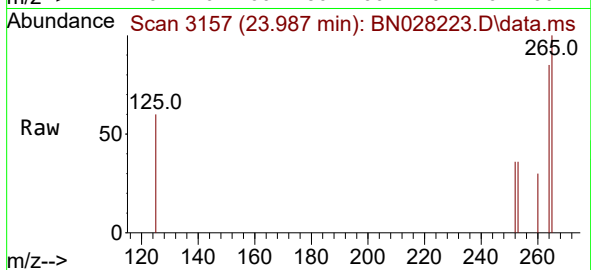
Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)



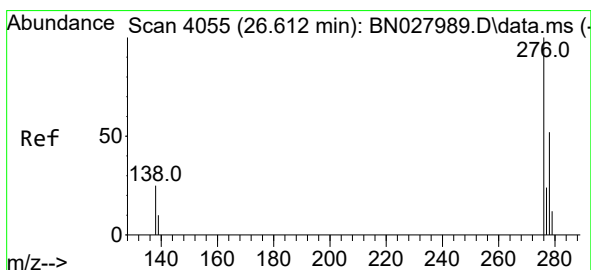
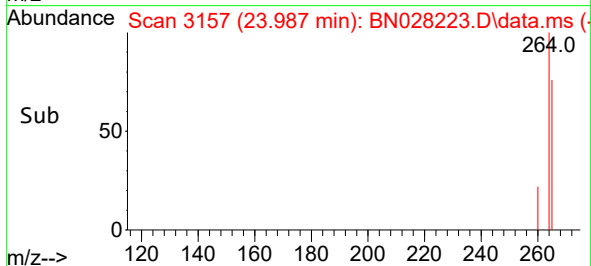
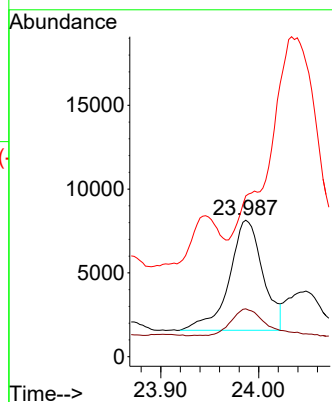
Tgt Ion:264 Resp: 15753

Ion Ratio Lower Upper

264 100

260 35.1 20.2 30.4#

265 117.8 54.8 82.2#



#36

Indeno(1,2,3-cd)pyrene

Concen: 14.299 ng

RT: 26.580 min Scan# 4044

Delta R.T. 0.023 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

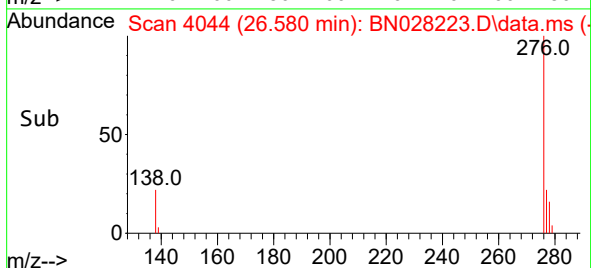
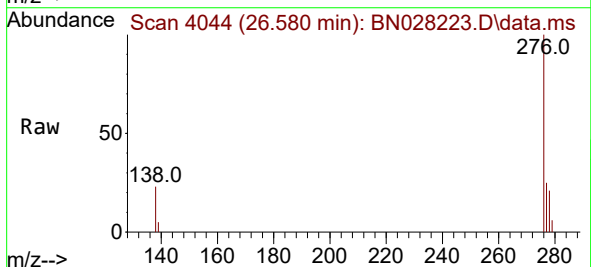
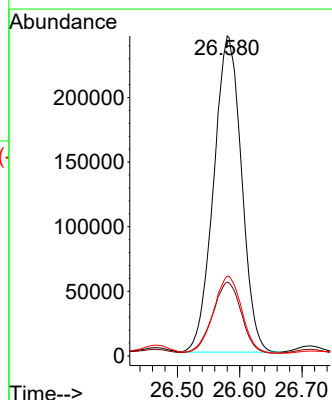
Tgt Ion:276 Resp: 757657

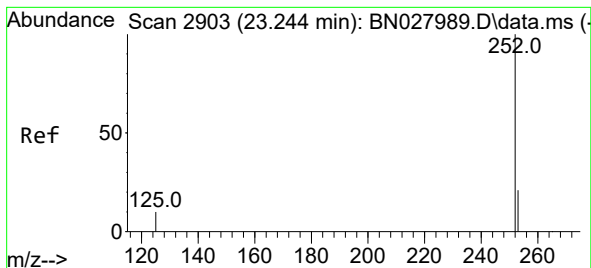
Ion Ratio Lower Upper

276 100

138 23.2 20.9 31.3

277 24.7 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 26.730 ng

RT: 23.227 min Scan# 21

Delta R.T. 0.014 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

Instrument :

BNA_N

ClientSampleId :

Q-3(10-15)

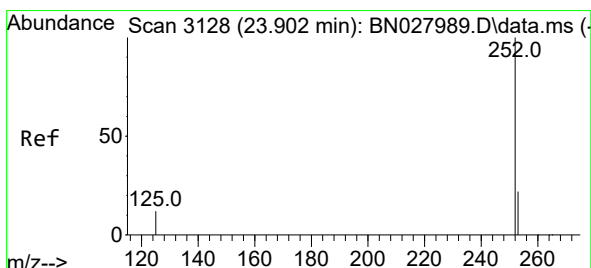
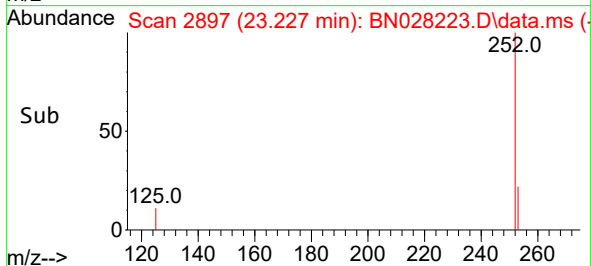
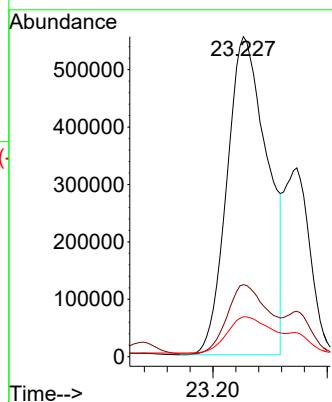
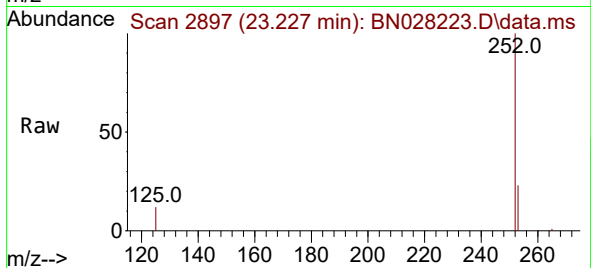
Tgt Ion:252 Resp: 1359956

Ion Ratio Lower Upper

252 100

253 22.5 22.9 34.3#

125 12.5 13.8 20.8#



#39

Benzo(a)pyrene

Concen: 5.977 ng

RT: 24.039 min Scan# 3175

Delta R.T. 0.175 min

Lab File: BN028223.D

Acq: 11 Oct 2023 07:46

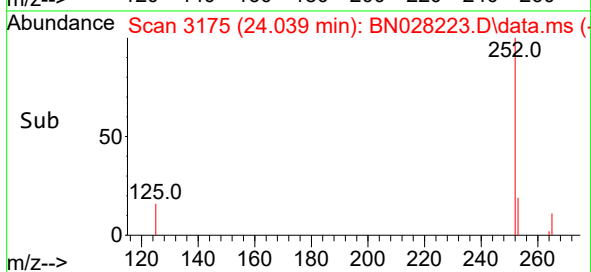
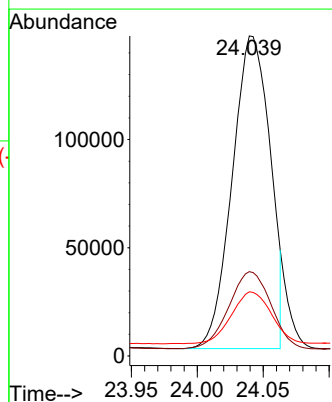
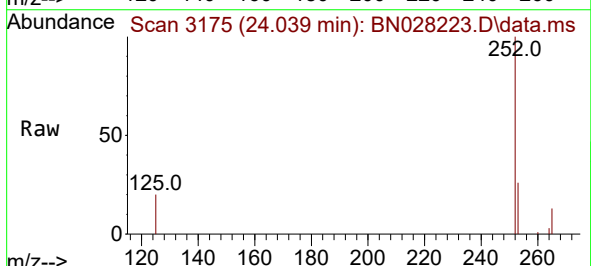
Tgt Ion:252 Resp: 287556

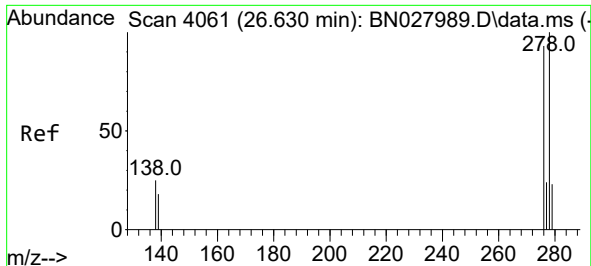
Ion Ratio Lower Upper

252 100

253 26.4 25.0 37.4

125 20.0 16.6 24.8

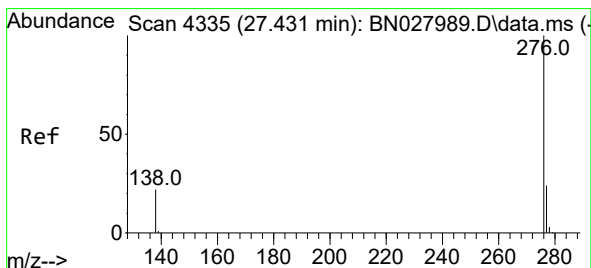
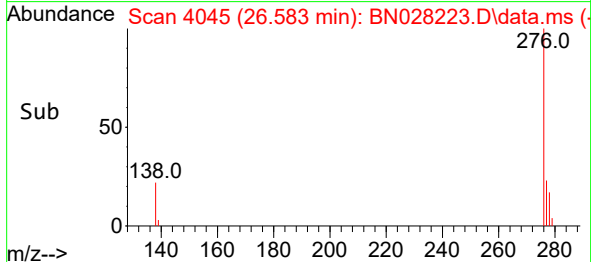
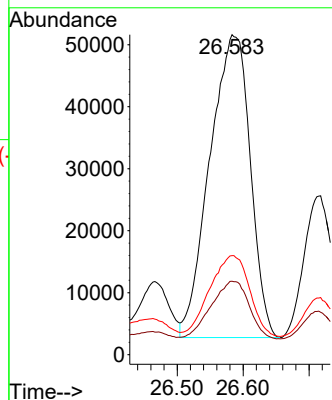
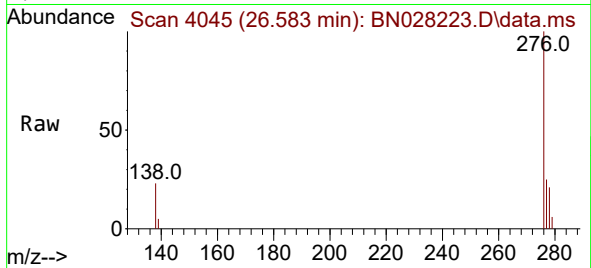




#40
Dibenzo(a,h)anthracene
Concen: 4.813 ng
RT: 26.583 min Scan# 4061
Delta R.T. 0.006 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Instrument :
BNA_N
ClientSampleId :
Q-3(10-15)

Tgt Ion:278 Resp: 208622
Ion Ratio Lower Upper
278 100
139 22.9 17.7 26.5
279 30.9 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 16.571 ng
RT: 27.399 min Scan# 4324
Delta R.T. 0.032 min
Lab File: BN028223.D
Acq: 11 Oct 2023 07:46

Tgt Ion:276 Resp: 737279
Ion Ratio Lower Upper
276 100
277 24.9 22.1 33.1
138 24.0 20.8 31.2

