

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
 Data File : BN028224.D
 Acq On : 11 Oct 2023 08:22
 Operator : MA/JU
 Sample : 04767-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 Q-2(5-10)

Quant Time: Oct 11 08:55:09 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

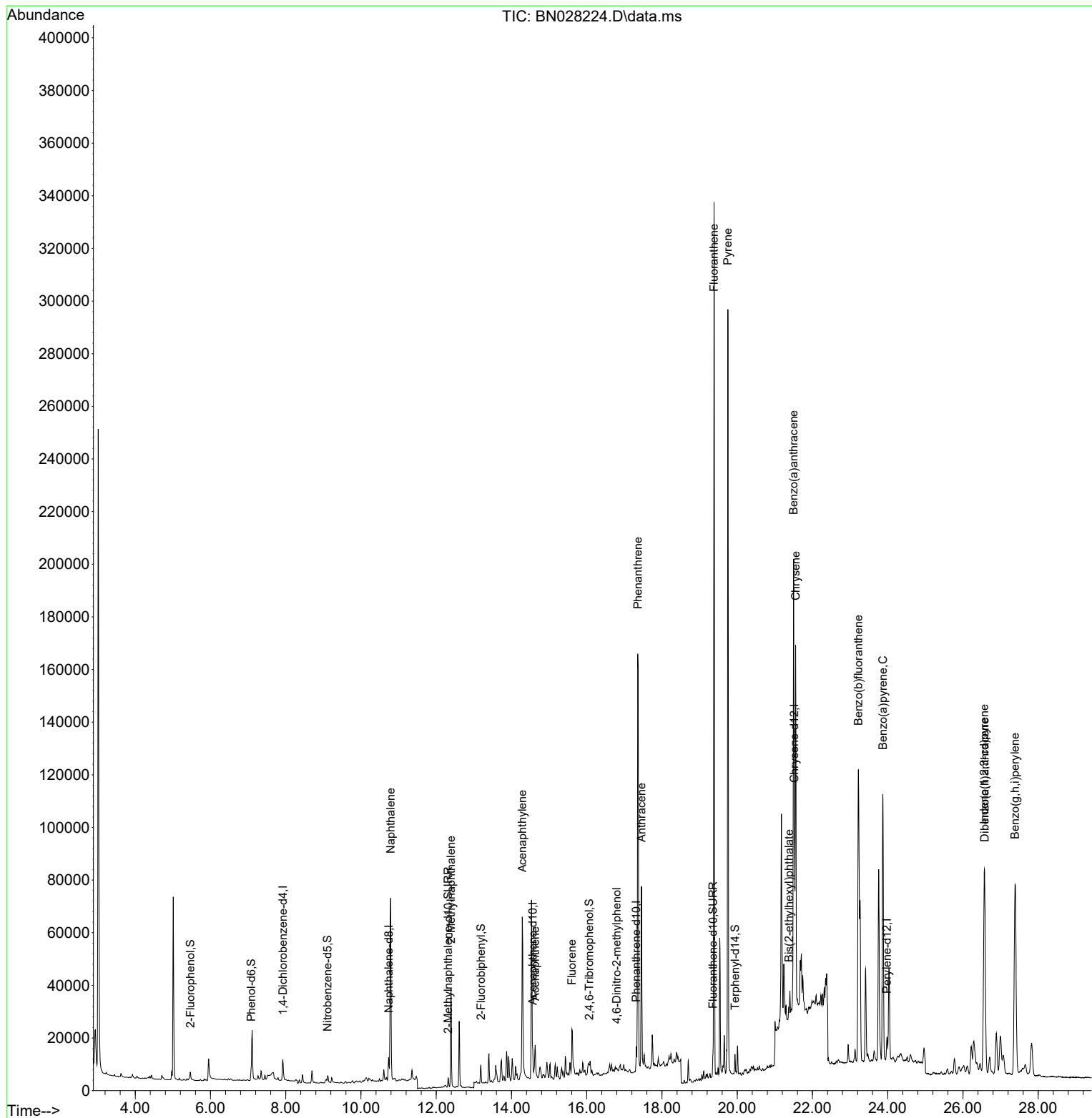
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	3583	0.400	ng	0.00
7) Naphthalene-d8	10.735	136	11381	0.400	ng	0.00
13) Acenaphthene-d10	14.566	164	6817	0.400	ng	0.00
19) Phenanthrene-d10	17.319	188	12270	0.400	ng	0.00
29) Chrysene-d12	21.515	240	10760	0.400	ng	# 0.00
35) Perylene-d12	23.978	264	12808	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	2656	0.249	ng	0.00
5) Phenol-d6	7.084	99	3899	0.289	ng	0.00
8) Nitrobenzene-d5	9.112	82	2744	0.283	ng	-0.01
11) 2-Methylnaphthalene-d10	12.317	152	4612	0.274	ng	0.00
14) 2,4,6-Tribromophenol	16.065	330	526	0.168	ng	-0.01
15) 2-Fluorobiphenyl	13.186	172	6237	0.254	ng	0.00
27) Fluoranthene-d10	19.356	212	8429	0.274	ng	0.00
31) Terphenyl-d14	19.941	244	7238	0.288	ng	0.00
Target Compounds						
9) Naphthalene	10.789	128	92273	3.138	ng	99
12) 2-Methylnaphthalene	12.392	142	27378	1.331	ng	99
16) Acenaphthylene	14.288	152	90737	3.005	ng	99
17) Acenaphthene	14.630	154	7490	0.389	ng	93
18) Fluorene	15.606	166	18096	0.724	ng	# 89
20) 4,6-Dinitro-2-methylph...	16.797	198	51	0.313	ng	# 55
25) Phenanthrene	17.356	178	192288	5.813	ng	99
26) Anthracene	17.455	178	68411	2.188	ng	97
28) Fluoranthene	19.384	202	296400	7.764	ng	100
30) Pyrene	19.751	202	258582	6.554	ng	100
32) Benzo(a)anthracene	21.497	228	154876	4.230	ng	97
33) Chrysene	21.551	228	125236	3.549	ng	95
34) Bis(2-ethylhexyl)phtha...	21.372	149	4088	0.170	ng	# 78
36) Indeno(1,2,3-cd)pyrene	26.568	276	145055	3.367	ng	96
37) Benzo(b)fluoranthene	23.218	252	203922	4.930	ng	92
39) Benzo(a)pyrene	23.870	252	153332	3.920	ng	# 89
40) Dibenzo(a,h)anthracene	26.580	278	33143	0.940	ng	# 82
41) Benzo(g,h,i)perylene	27.384	276	170530	4.714	ng	97

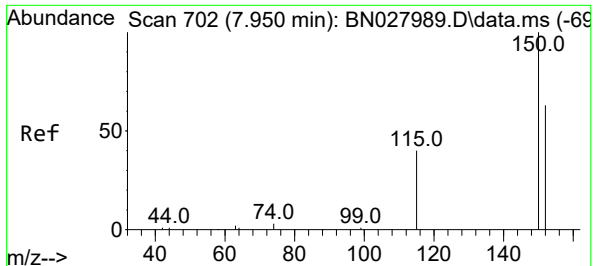
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101023\
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Q-2(5-10)

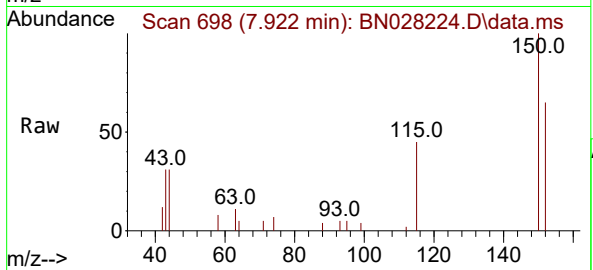
Quant Time: Oct 11 08:55:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN100223.M
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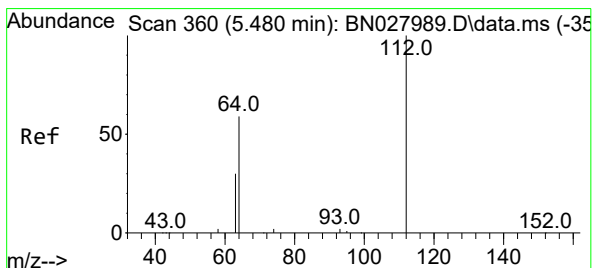
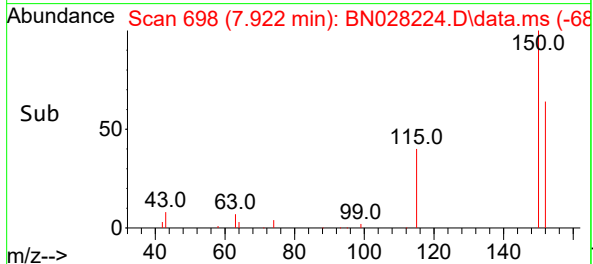
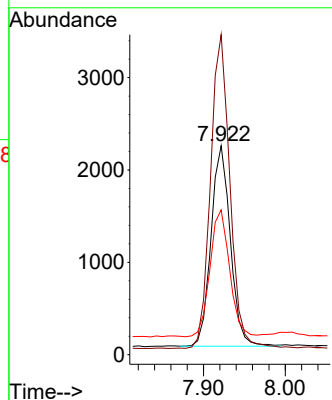


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

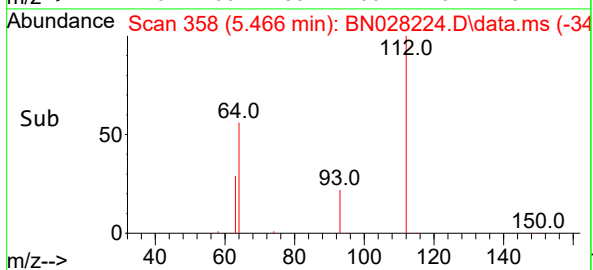
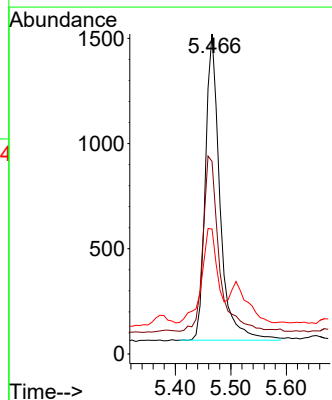
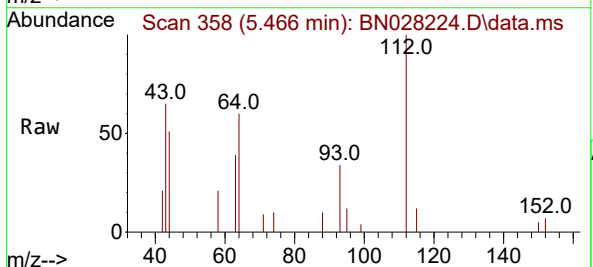


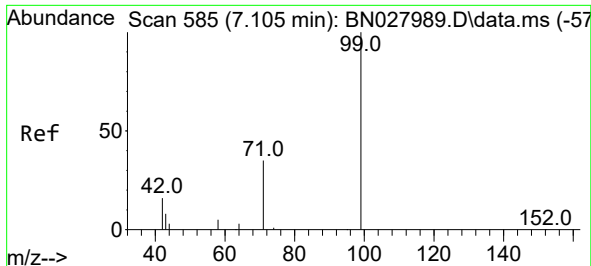
Tgt Ion:152 Resp: 3583
Ion Ratio Lower Upper
152 100
150 153.2 125.6 188.4
115 69.3 54.8 82.2



#4
2-Fluorophenol
Concen: 0.249 ng
RT: 5.466 min Scan# 358
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:112 Resp: 2656
Ion Ratio Lower Upper
112 100
64 63.0 45.0 67.6
63 33.8 23.4 35.0

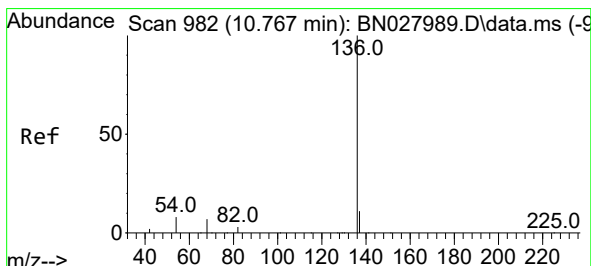
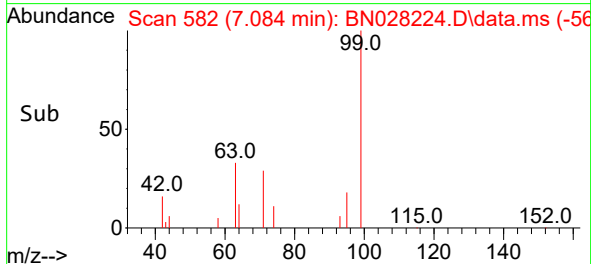
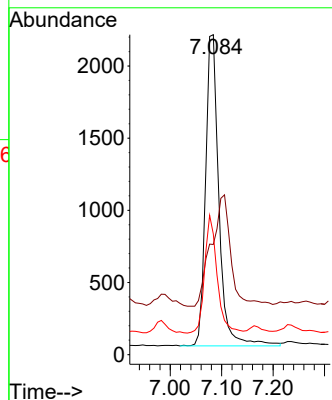
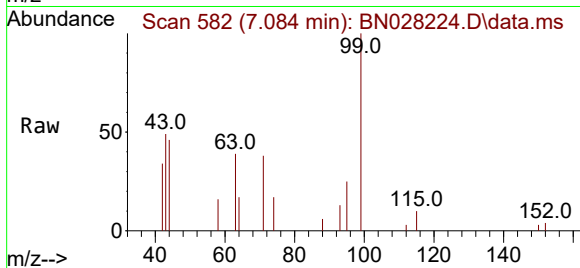




#5
Phenol-d6
Concen: 0.289 ng
RT: 7.084 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

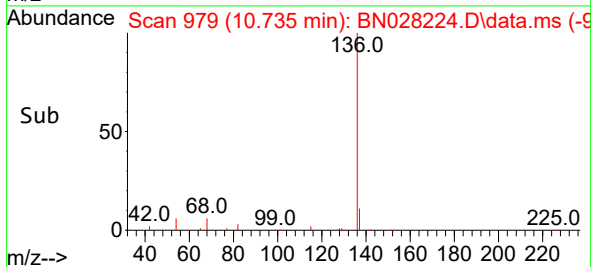
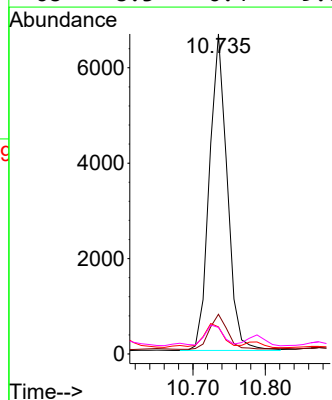
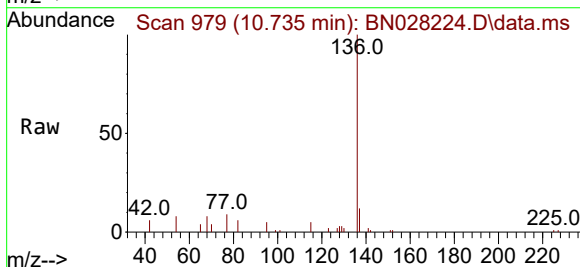
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BNA_N
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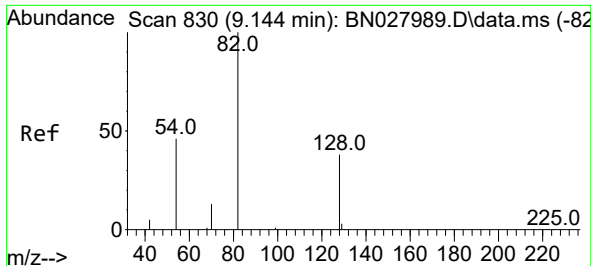
Tgt Ion: 99 Resp: 3899
Ion Ratio Lower Upper
99 100
42 0.0 14.6 22.0#
71 35.4 28.3 42.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.735 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion: 136 Resp: 11381
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.0
54 8.4 7.0 10.6
68 8.3 6.4 9.6

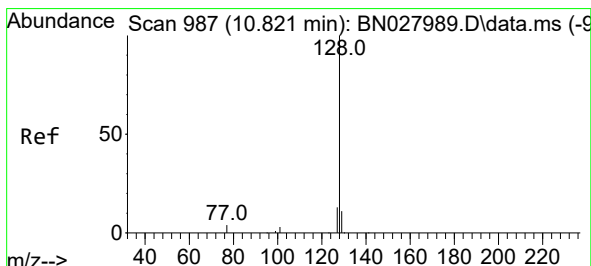
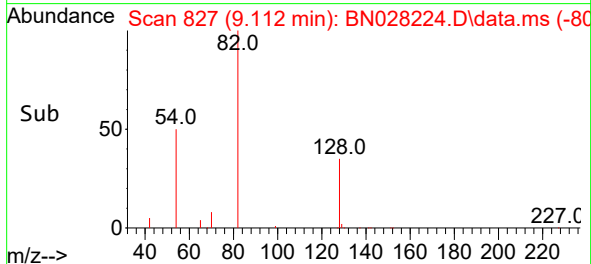
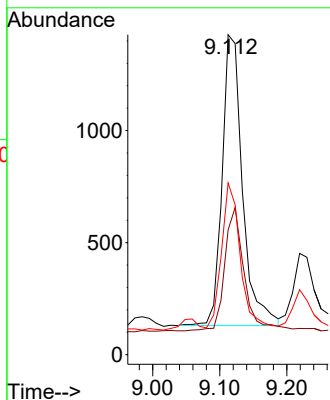
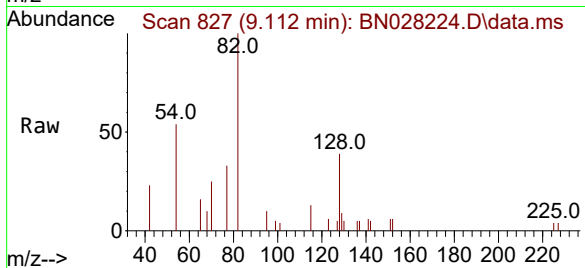




#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 9.112 min Scan# 81
Delta R.T. -0.011 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

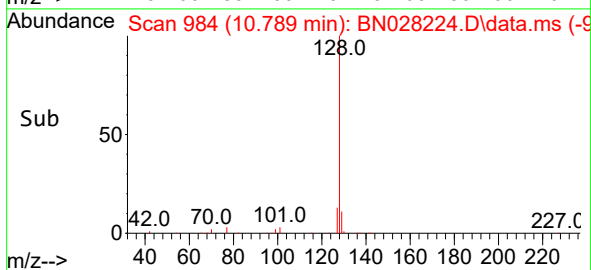
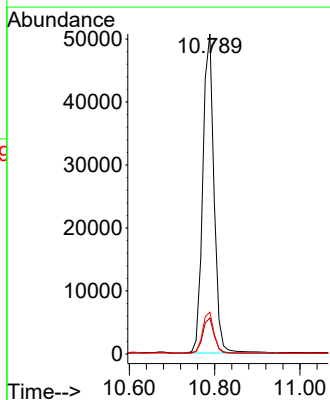
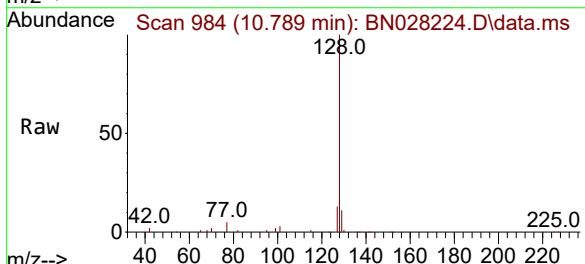
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

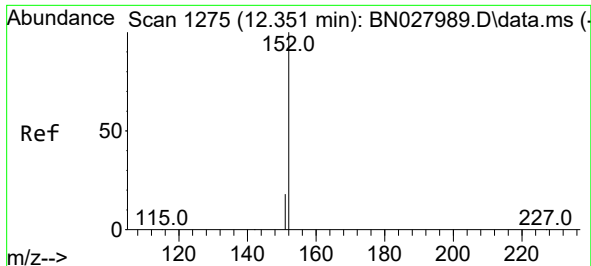
Tgt Ion: 82 Resp: 2744
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 53.7 38.7 58.1



#9
Naphthalene
Concen: 3.138 ng
RT: 10.789 min Scan# 984
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion: 128 Resp: 92273
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.2
127 13.0 10.9 16.3

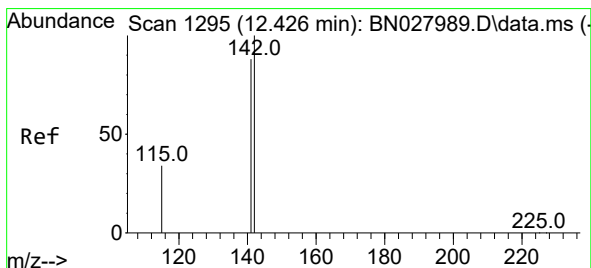
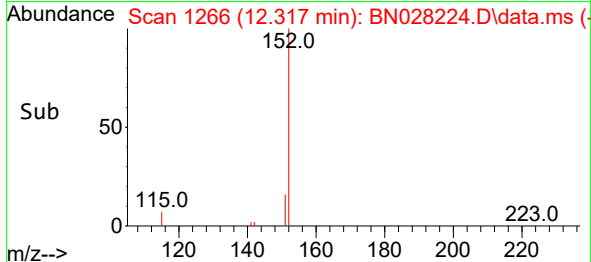
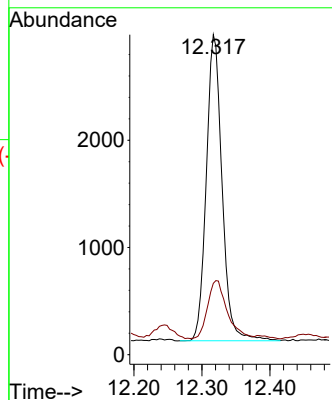
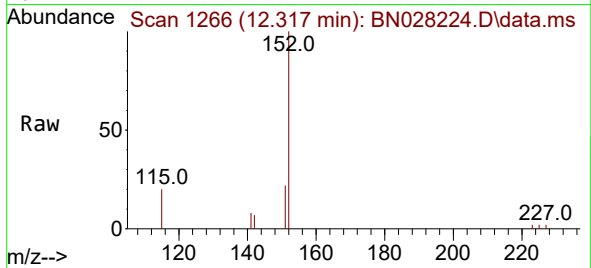




#11
2-Methylnaphthalene-d10
Concen: 0.274 ng
RT: 12.317 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

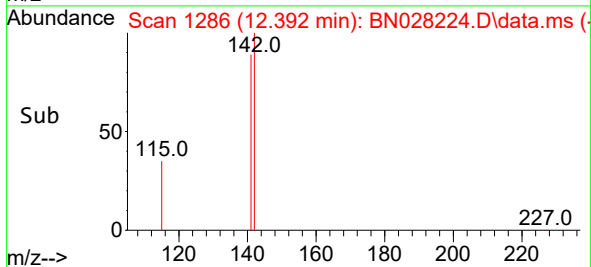
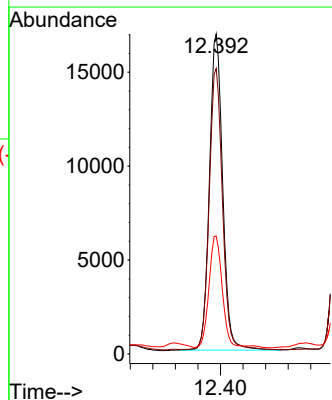
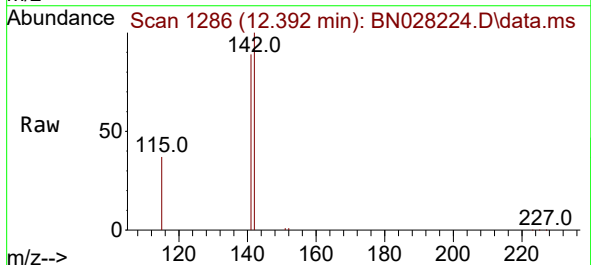
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

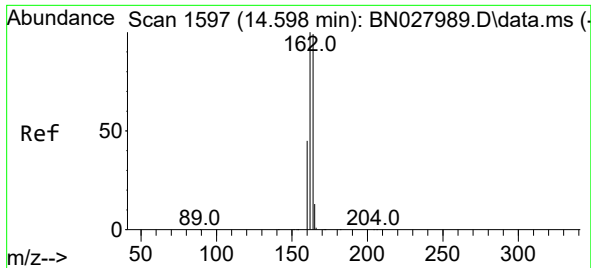
Tgt Ion:152 Resp: 4612
Ion Ratio Lower Upper
152 100
151 23.4 16.5 24.7



#12
2-Methylnaphthalene
Concen: 1.331 ng
RT: 12.392 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:142 Resp: 27378
Ion Ratio Lower Upper
142 100
141 89.2 70.7 106.1
115 36.9 28.6 42.8

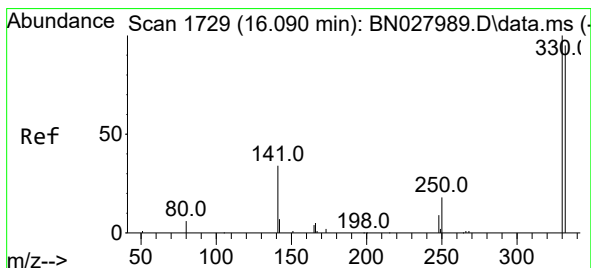
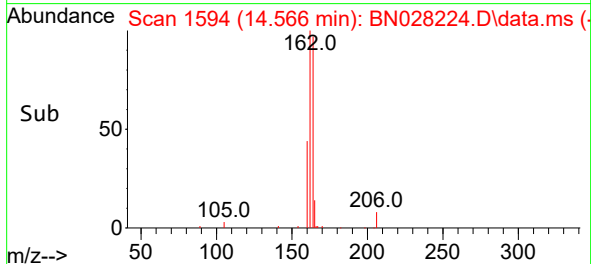
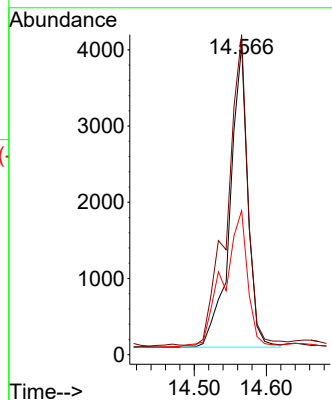
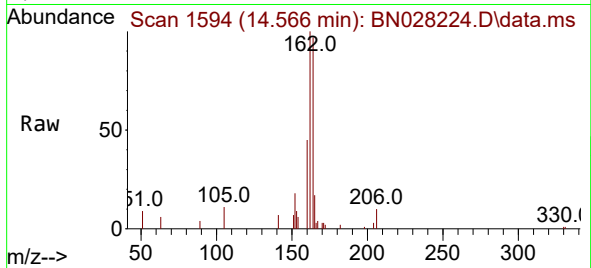




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.566 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

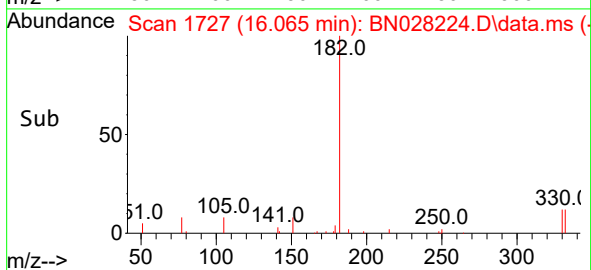
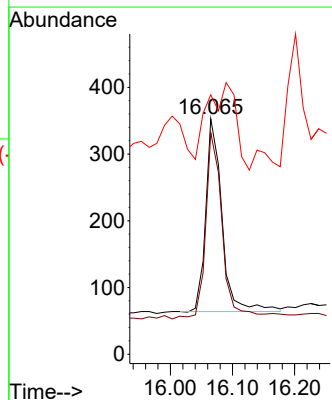
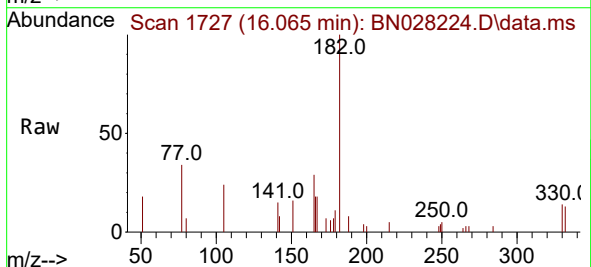
Instrument :
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ClientSampleId :
Q-2(5-10)

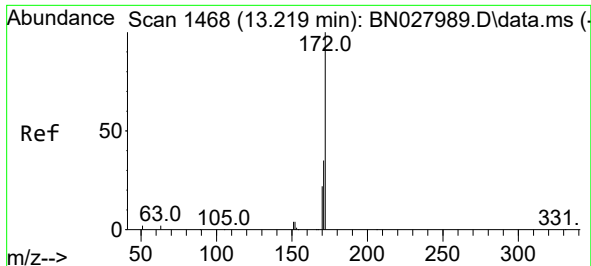
Tgt Ion:164 Resp: 6817
Ion Ratio Lower Upper
164 100
162 103.4 80.8 121.2
160 46.5 36.4 54.6



#14
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 16.065 min Scan# 1727
Delta R.T. -0.013 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:330 Resp: 526
Ion Ratio Lower Upper
330 100
332 98.5 78.1 117.1
141 0.0 33.4 50.2#

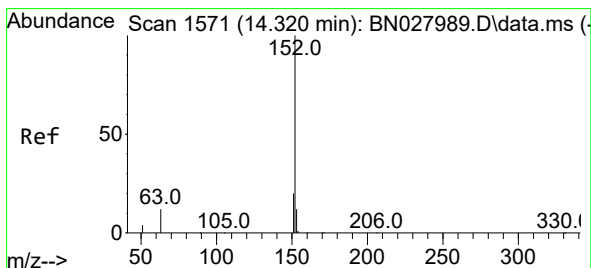
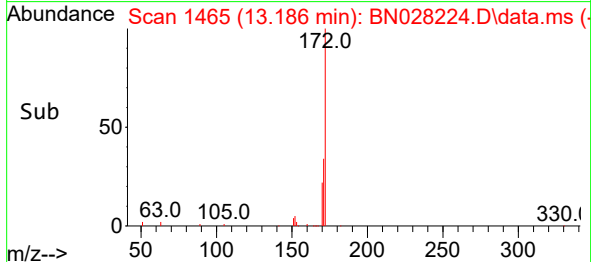
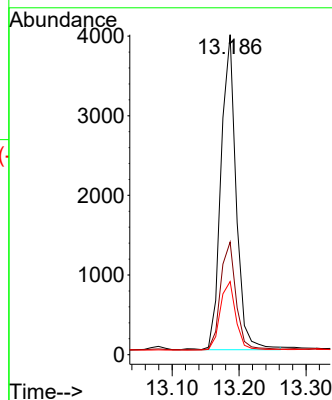
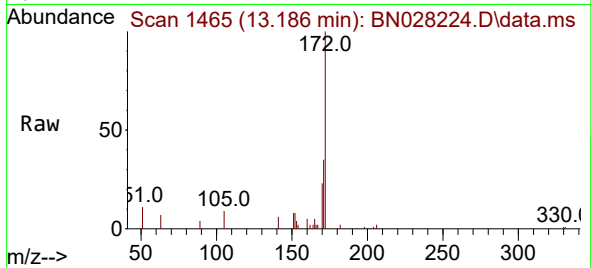




#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 13.186 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

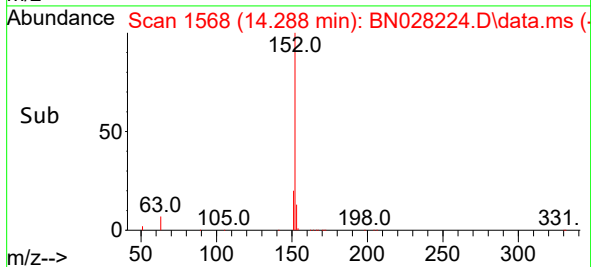
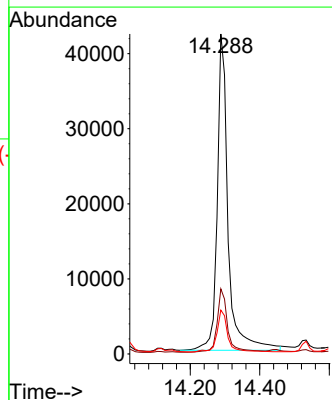
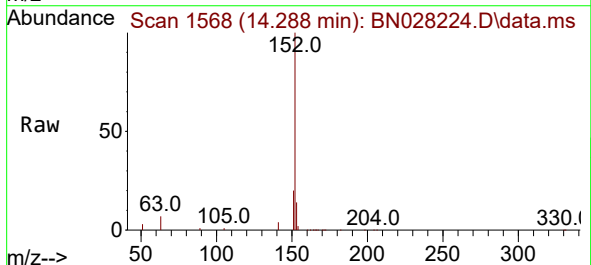
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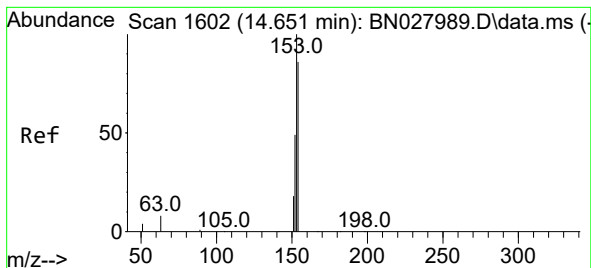
Tgt Ion:172 Resp: 6237
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 22.8 18.4 27.6



#16
Acenaphthylene
Concen: 3.005 ng
RT: 14.288 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:152 Resp: 90737
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.389 ng

RT: 14.630 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

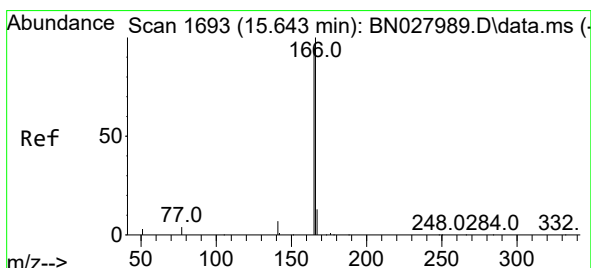
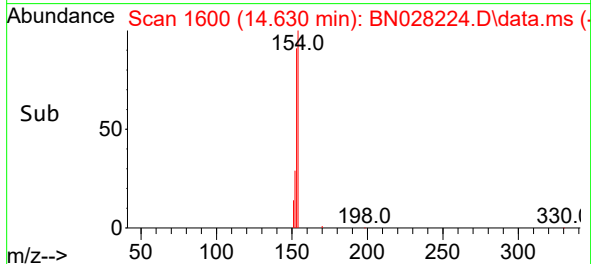
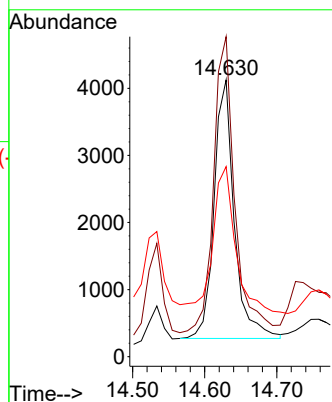
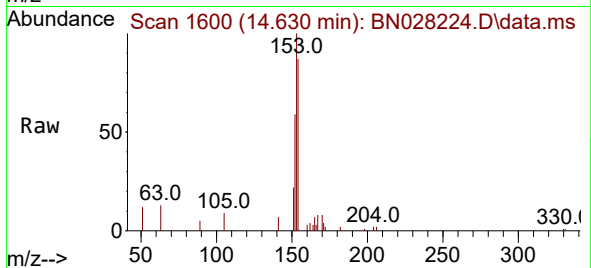
Tgt Ion:154 Resp: 7490

Ion Ratio Lower Upper

154 100

153 119.1 90.8 136.2

152 63.6 43.9 65.9



#18

Fluorene

Concen: 0.724 ng

RT: 15.606 min Scan# 1690

Delta R.T. -0.013 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

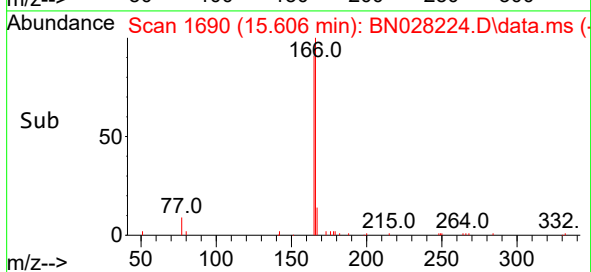
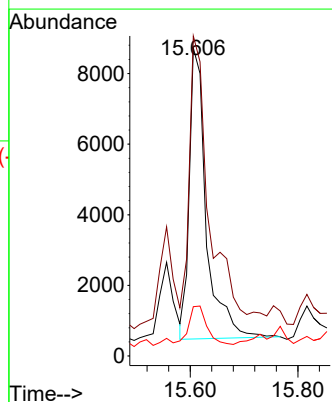
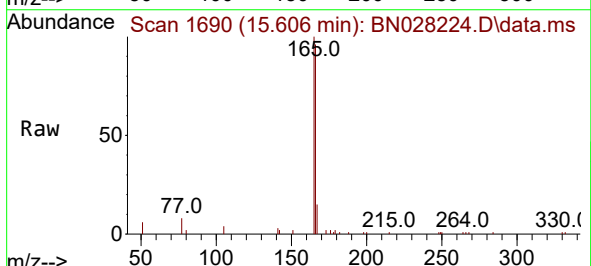
Tgt Ion:166 Resp: 18096

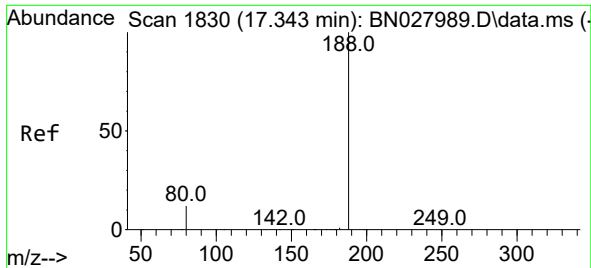
Ion Ratio Lower Upper

166 100

165 109.0 77.8 116.8

167 16.6 10.7 16.1#

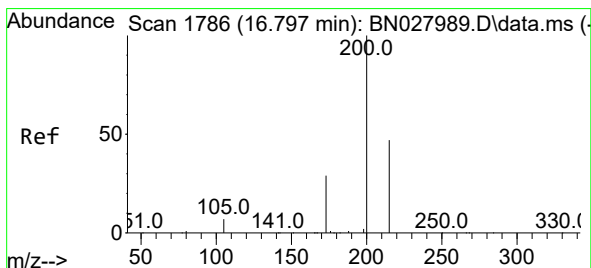
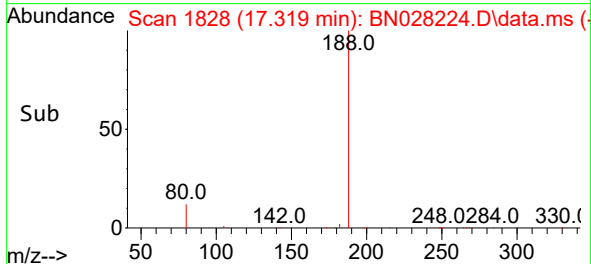
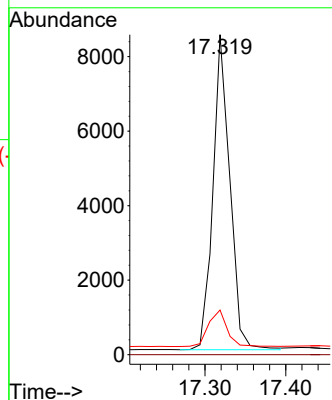
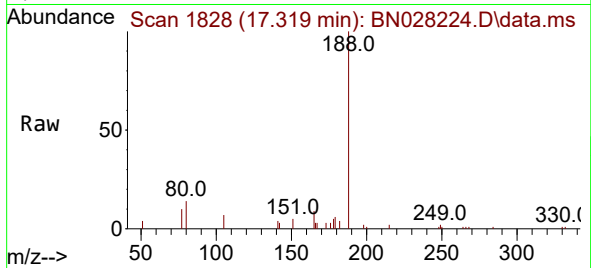




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.319 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

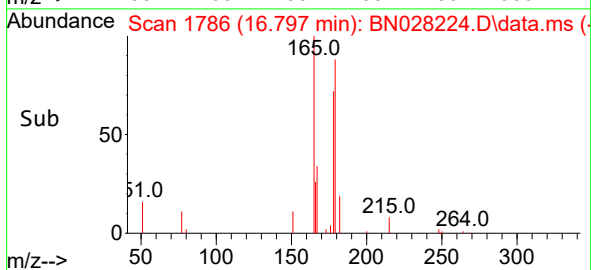
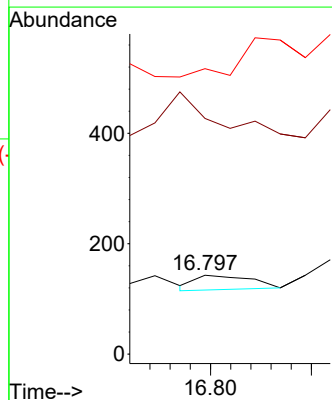
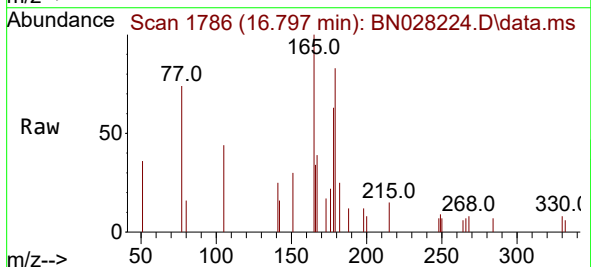
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

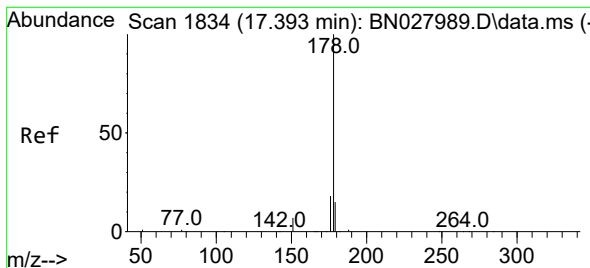
Tgt Ion:188 Resp: 12270
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.9 10.2 15.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.313 ng
RT: 16.797 min Scan# 1786
Delta R.T. 0.012 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:198 Resp: 51
Ion Ratio Lower Upper
198 100
51 298.6 180.7 271.1#
105 361.5 222.2 333.2#





#25

Phenanthrene

Concen: 5.813 ng

RT: 17.356 min Scan# 1831

Delta R.T. -0.013 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

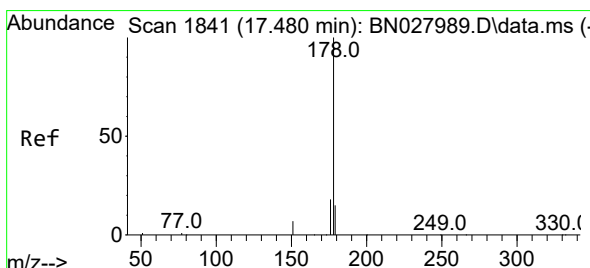
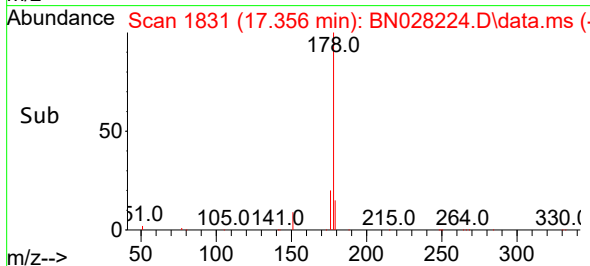
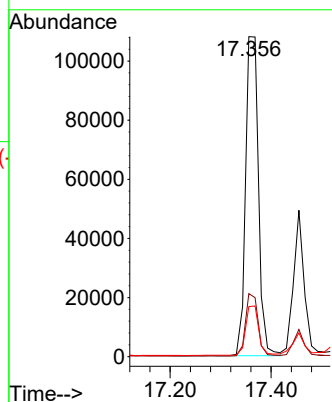
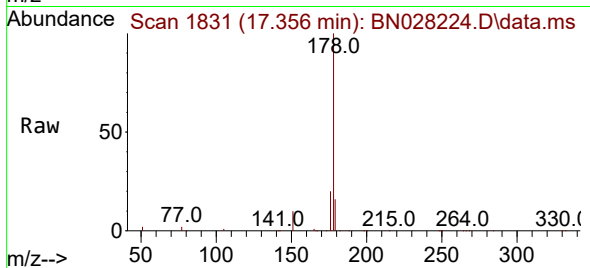
Tgt Ion:178 Resp: 192288

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.9 12.4 18.6



#26

Anthracene

Concen: 2.188 ng

RT: 17.455 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

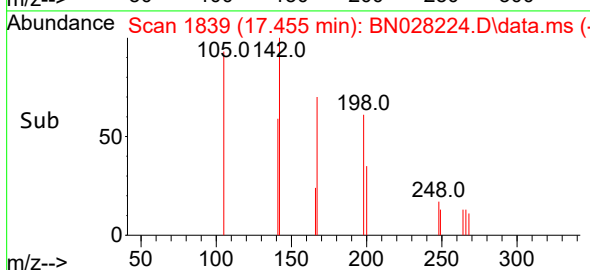
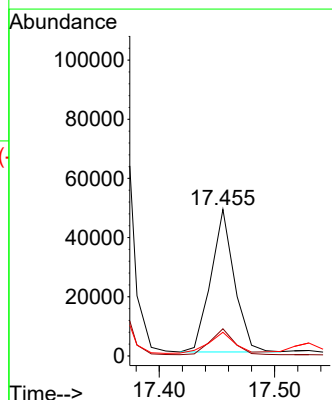
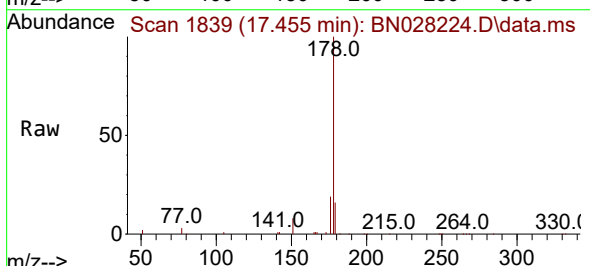
Tgt Ion:178 Resp: 68411

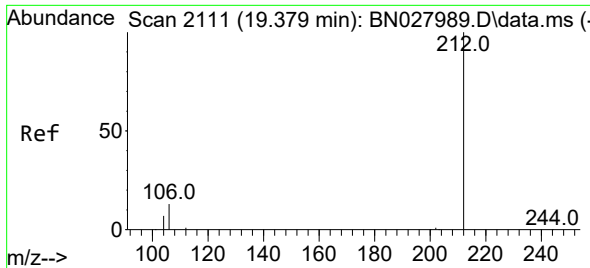
Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 16.8 12.2 18.2

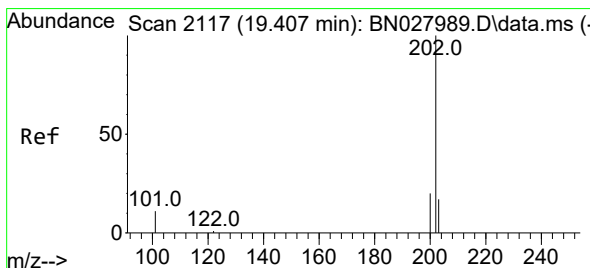
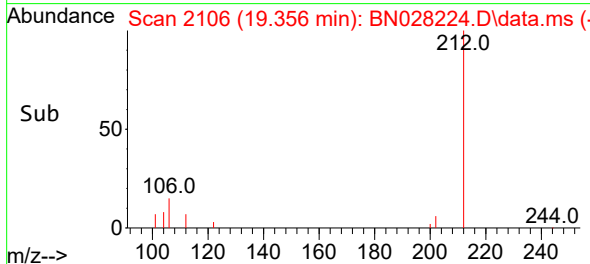
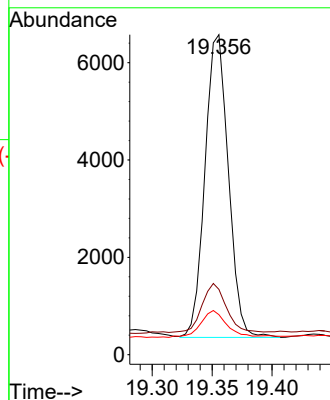
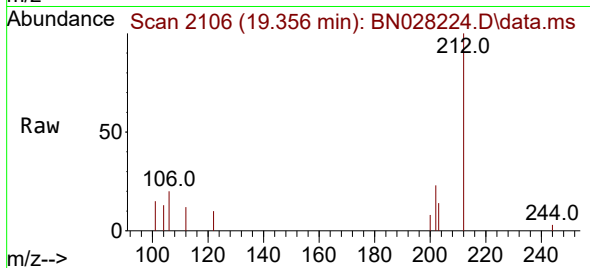




#27
Fluoranthene-d10
Concen: 0.274 ng
RT: 19.356 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

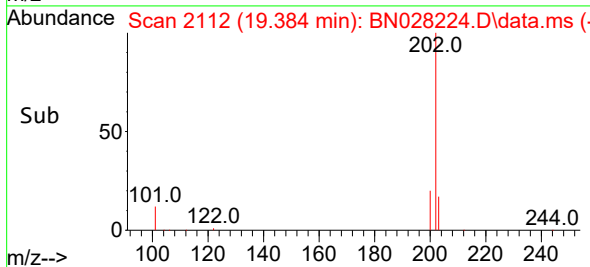
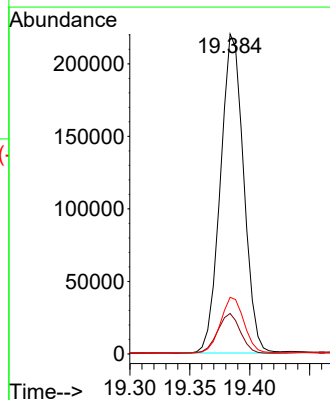
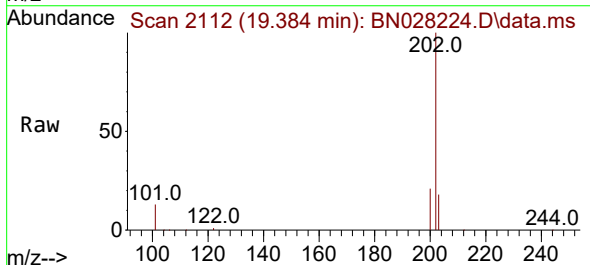
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

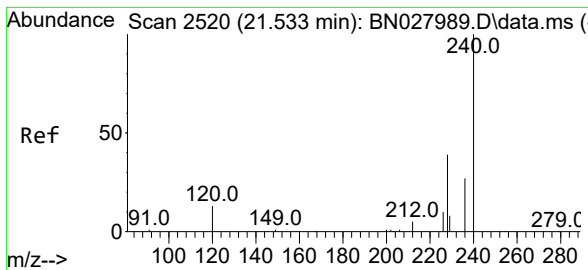
Tgt Ion:212 Resp: 8429
Ion Ratio Lower Upper
212 100
106 17.1 11.3 16.9#
104 9.8 6.4 9.6#



#28
Fluoranthene
Concen: 7.764 ng
RT: 19.384 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:202 Resp: 296400
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.6
203 17.5 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.515 min Scan# 2118

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

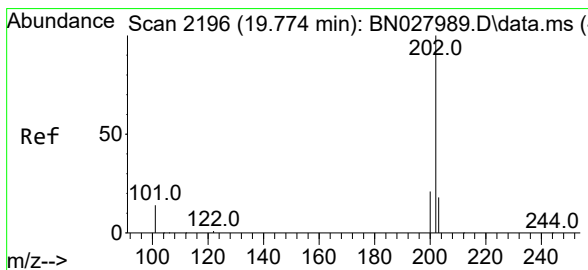
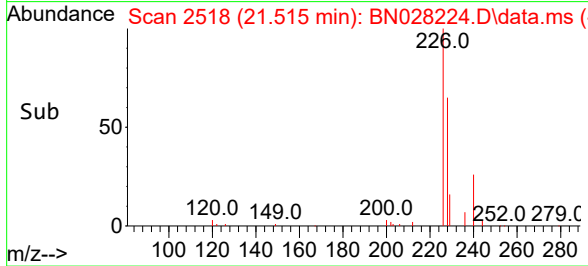
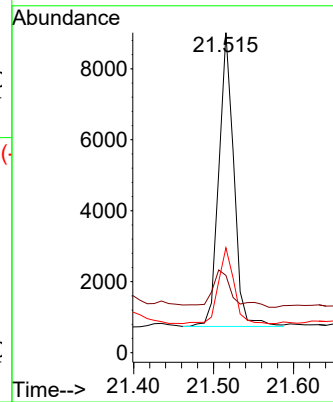
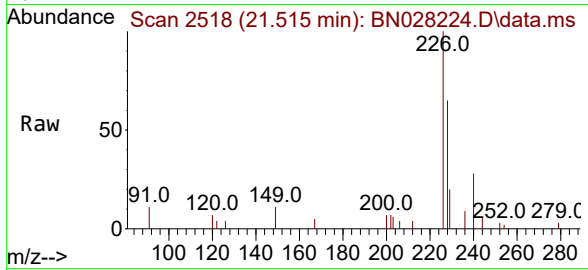
Tgt Ion:240 Resp: 10760

Ion Ratio Lower Upper

240 100

120 24.1 13.8 20.6#

236 32.8 22.6 33.8



#30

Pyrene

Concen: 6.554 ng

RT: 19.751 min Scan# 2191

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

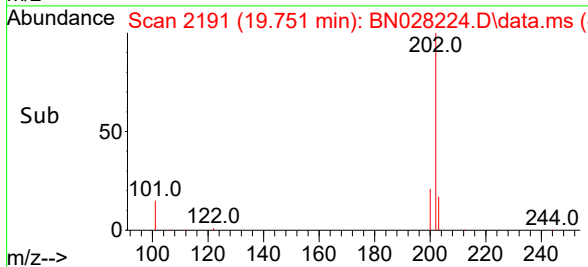
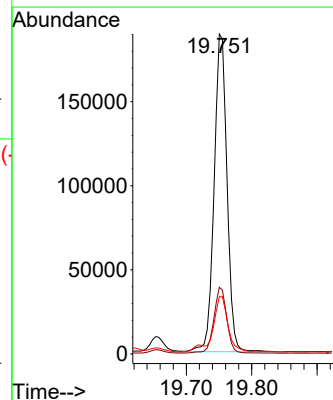
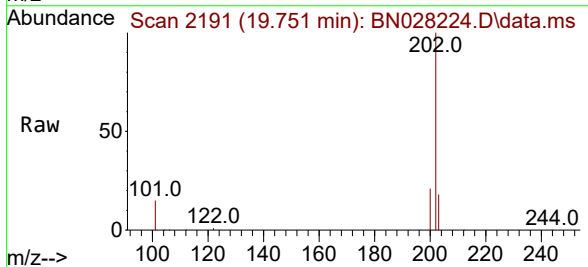
Tgt Ion:202 Resp: 258582

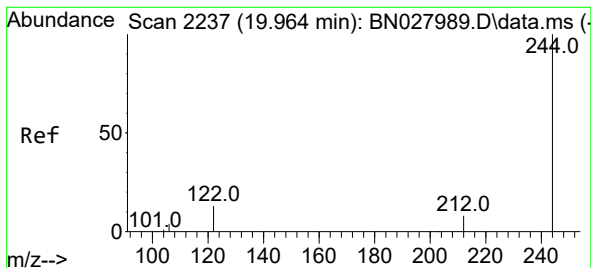
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 18.6 14.7 22.1





#31

Terphenyl-d14

Concen: 0.288 ng

RT: 19.941 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

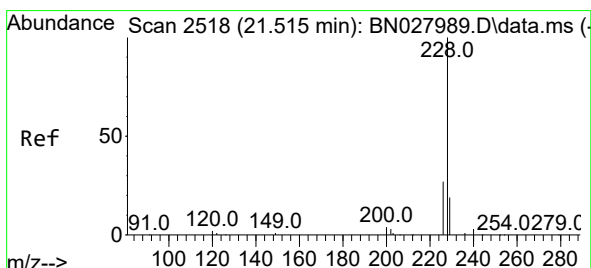
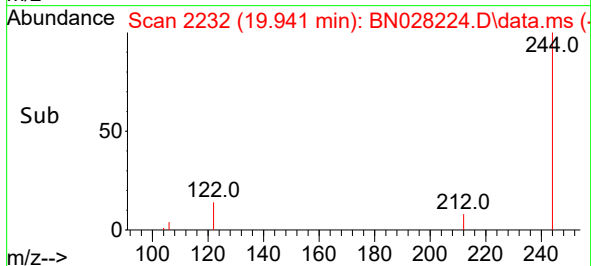
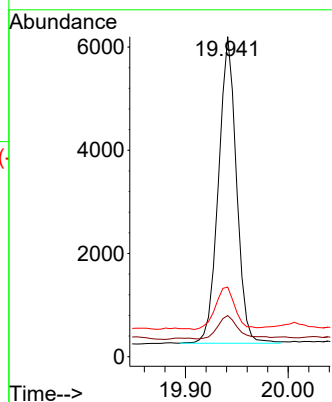
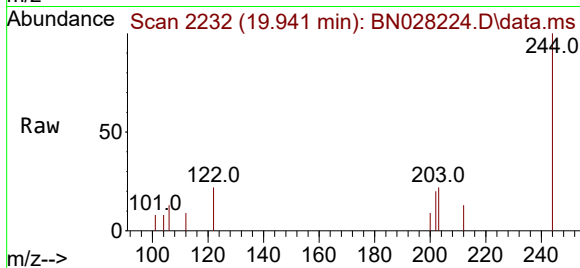
Tgt Ion:244 Resp: 7238

Ion Ratio Lower Upper

244 100

212 12.9 6.6 9.8#

122 21.8 11.4 17.0#



#32

Benzo(a)anthracene

Concen: 4.230 ng

RT: 21.497 min Scan# 2516

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

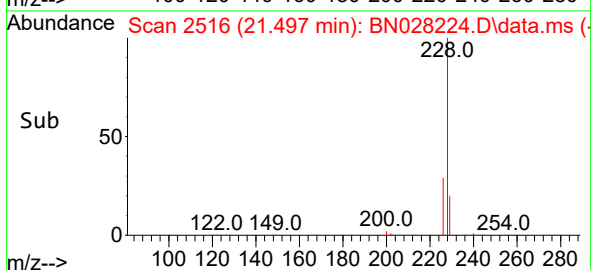
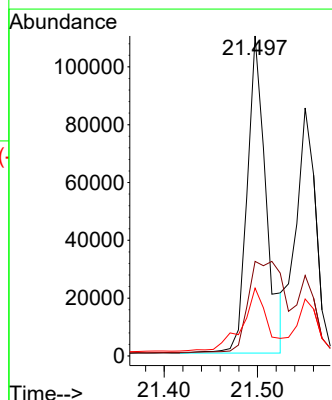
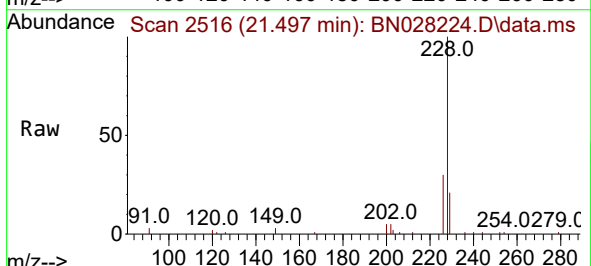
Tgt Ion:228 Resp: 154876

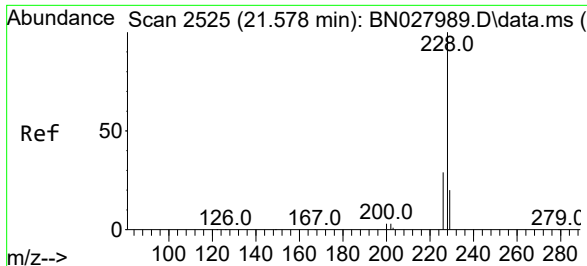
Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

229 21.2 16.0 24.0





#33

Chrysene

Concen: 3.549 ng

RT: 21.551 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

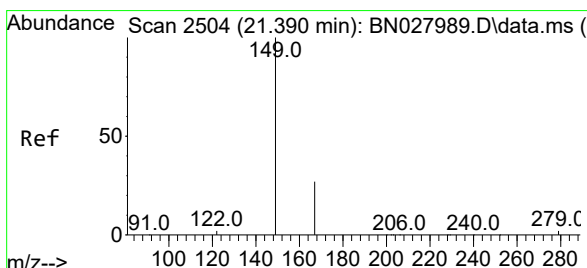
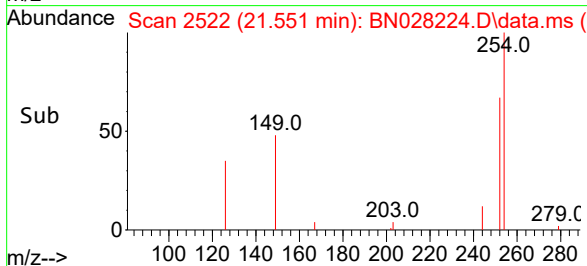
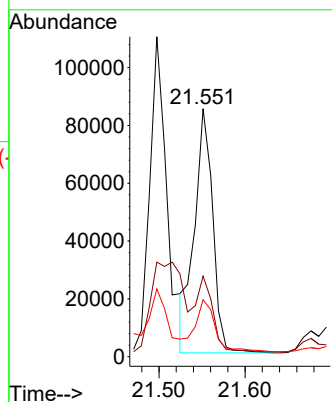
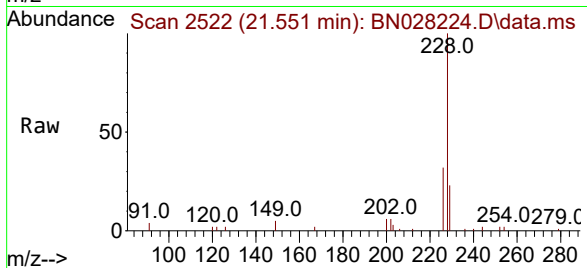
Tgt Ion:228 Resp: 125236

Ion Ratio Lower Upper

228 100

226 32.4 23.8 35.8

229 23.0 16.6 25.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.170 ng

RT: 21.372 min Scan# 2502

Delta R.T. 0.009 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

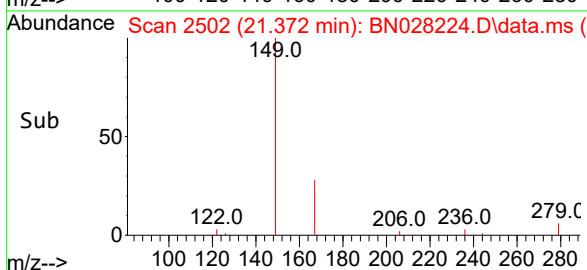
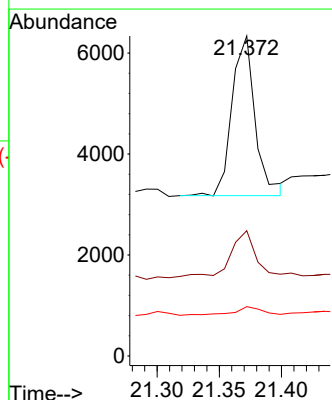
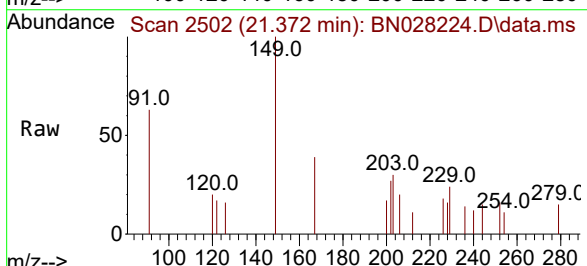
Tgt Ion:149 Resp: 4088

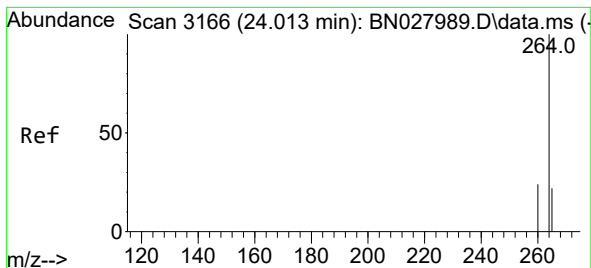
Ion Ratio Lower Upper

149 100

167 40.4 22.1 33.1#

279 5.5 3.4 5.0#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.978 min Scan# 31

Delta R.T. 0.003 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

Instrument :

BNA_N

ClientSampleId :

Q-2(5-10)

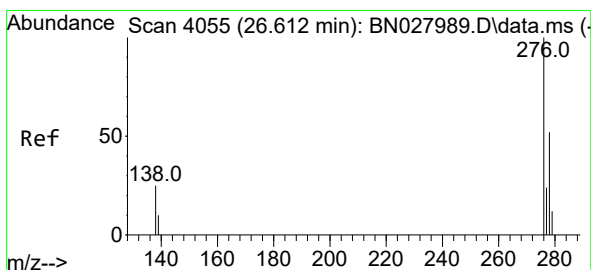
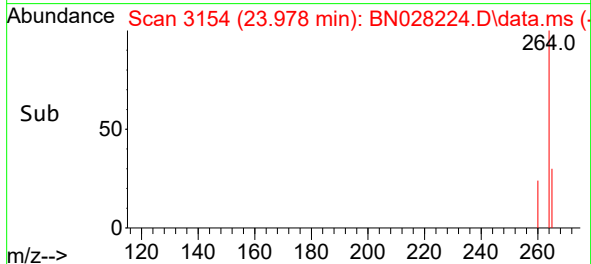
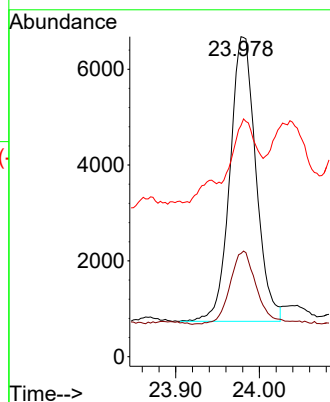
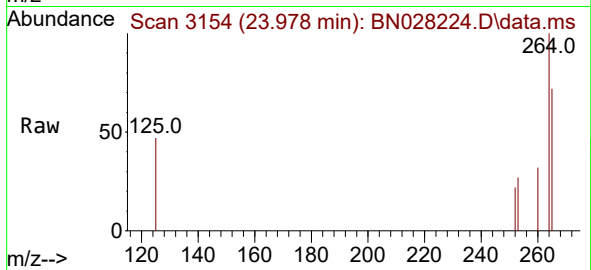
Tgt Ion:264 Resp: 12808

Ion Ratio Lower Upper

264 100

260 32.3 20.2 30.4#

265 72.2 54.8 82.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.367 ng

RT: 26.568 min Scan# 4040

Delta R.T. 0.012 min

Lab File: BN028224.D

Acq: 11 Oct 2023 08:22

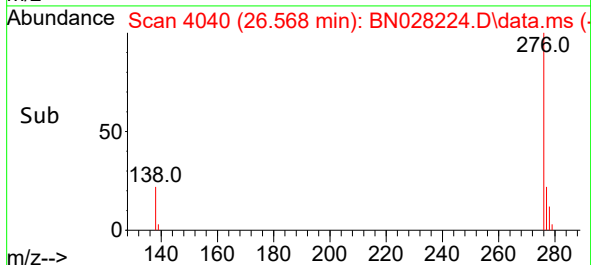
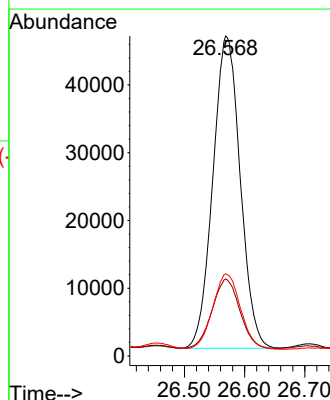
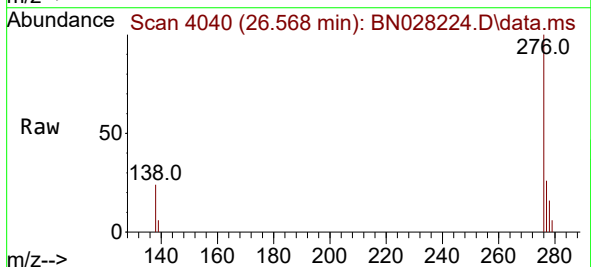
Tgt Ion:276 Resp: 145055

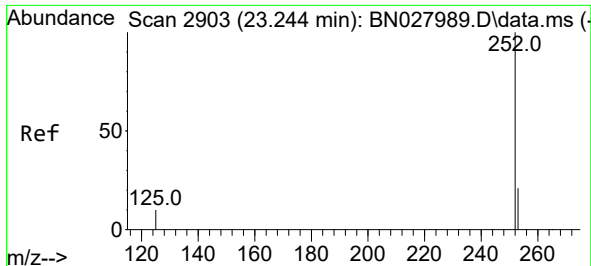
Ion Ratio Lower Upper

276 100

138 22.5 20.9 31.3

277 24.6 19.8 29.6

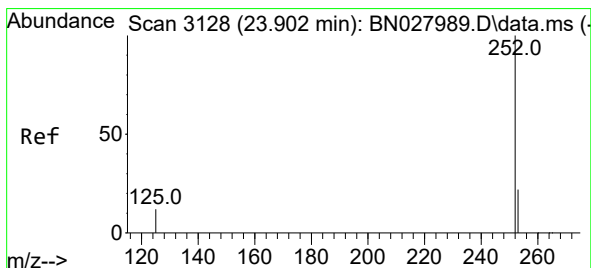
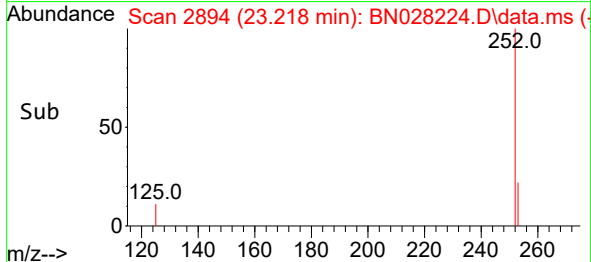
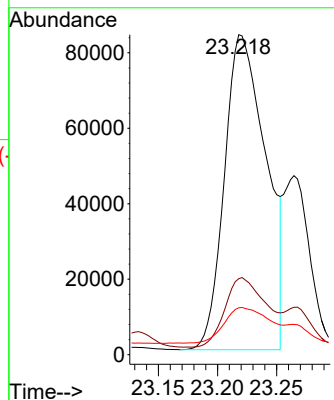
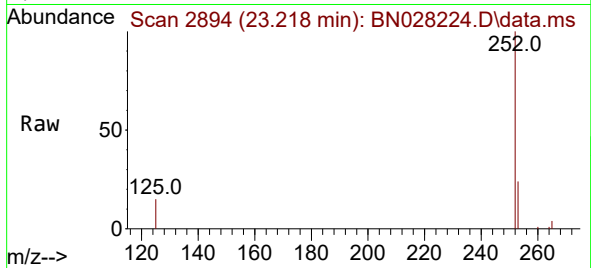




#37
Benzo(b)fluoranthene
Concen: 4.930 ng
RT: 23.218 min Scan# 2117
Delta R.T. 0.006 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

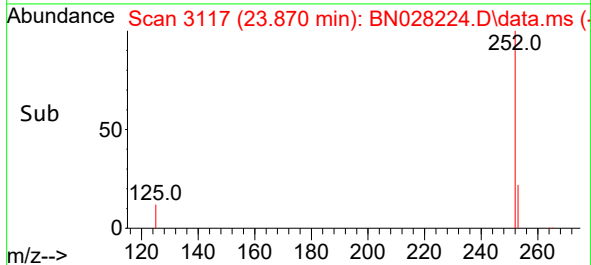
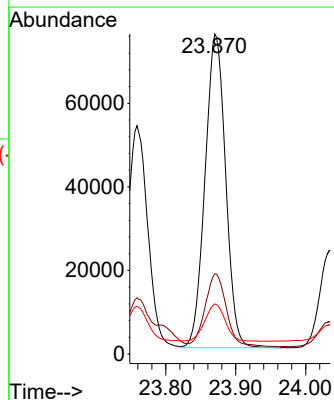
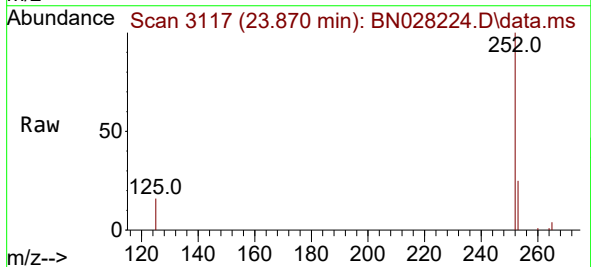
Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

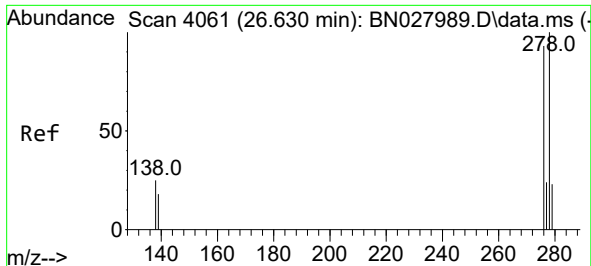
Tgt Ion:252 Resp: 203922
Ion Ratio Lower Upper
252 100
253 23.8 22.9 34.3
125 14.6 13.8 20.8



#39
Benzo(a)pyrene
Concen: 3.920 ng
RT: 23.870 min Scan# 3117
Delta R.T. 0.006 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:252 Resp: 153332
Ion Ratio Lower Upper
252 100
253 25.1 25.0 37.4
125 15.6 16.6 24.8#

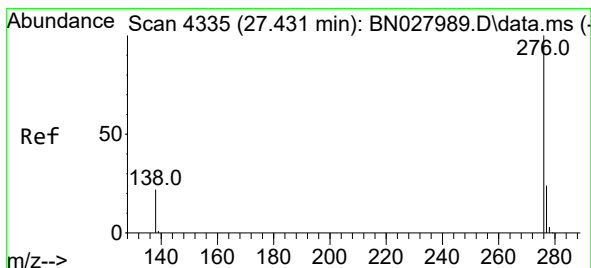
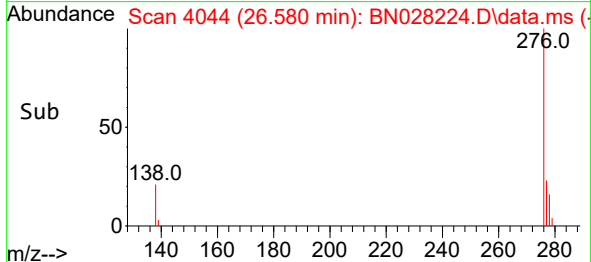
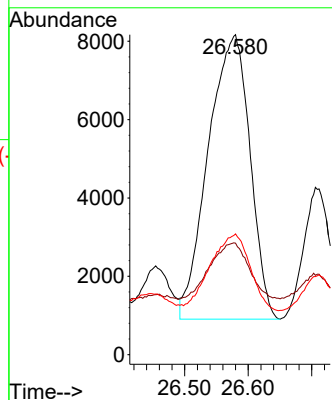
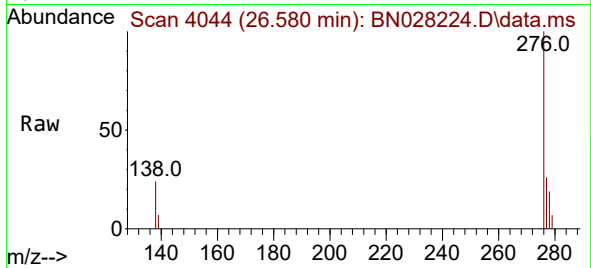




#40
Dibenzo(a,h)anthracene
Concen: 0.940 ng
RT: 26.580 min Scan# 4061
Delta R.T. 0.003 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Instrument :
BNA_N
ClientSampleId :
Q-2(5-10)

Tgt Ion:278 Resp: 33143
Ion Ratio Lower Upper
278 100
139 34.8 17.7 26.5#
279 37.7 25.2 37.8



#41
Benzo(g,h,i)perylene
Concen: 4.714 ng
RT: 27.384 min Scan# 4319
Delta R.T. 0.017 min
Lab File: BN028224.D
Acq: 11 Oct 2023 08:22

Tgt Ion:276 Resp: 170530
Ion Ratio Lower Upper
276 100
277 25.5 22.1 33.1
138 24.7 20.8 31.2

