

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
 Data File : BN025332.D
 Acq On : 08 May 2023 14:44
 Operator : CG/JU
 Sample : 02588-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023

Quant Time: May 09 04:02:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 08 18:27:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

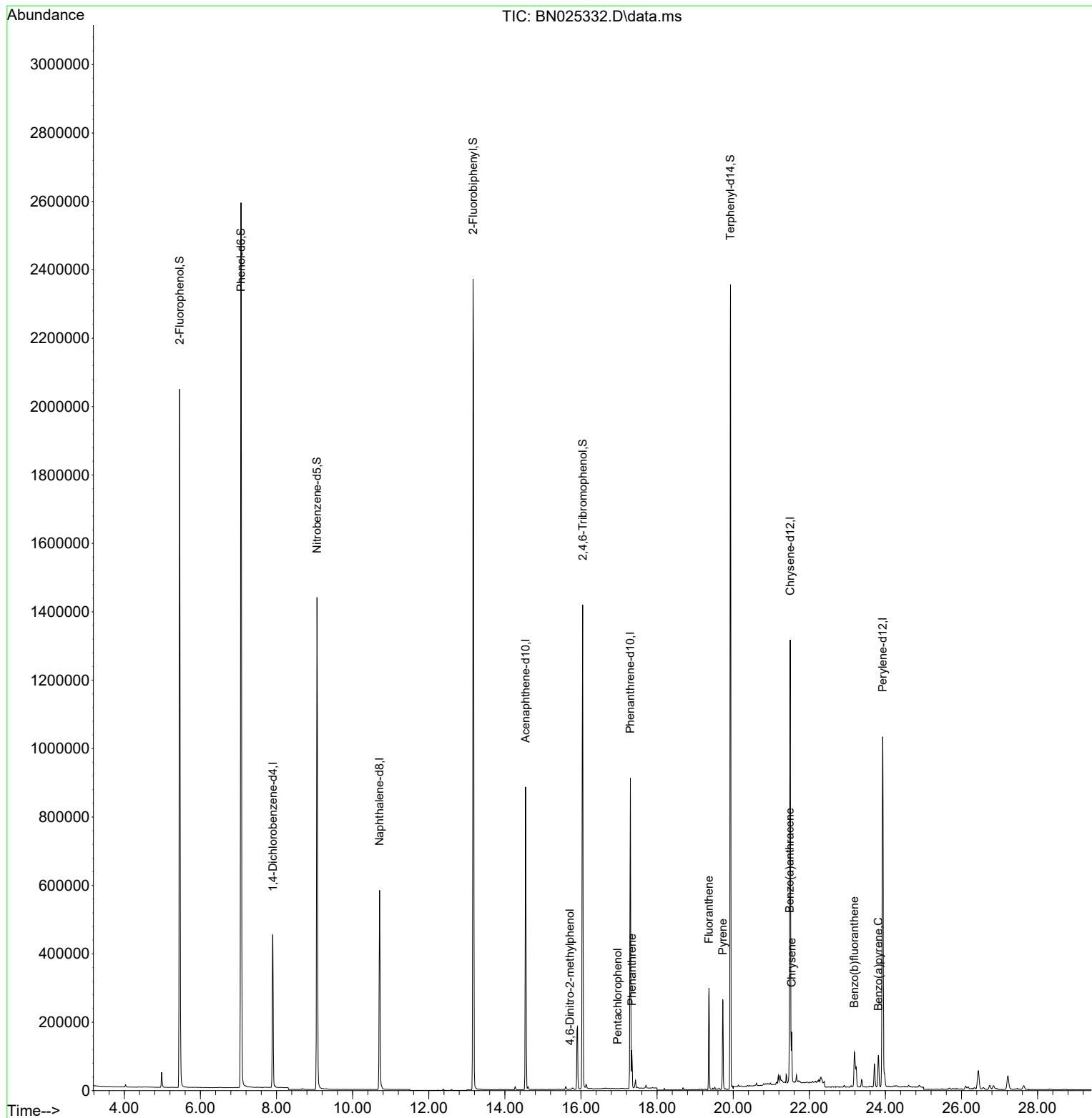
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	229070	20.000	ng	0.00
7) Naphthalene-d8	10.707	136	744312	20.000	ng	-0.01
13) Acenaphthene-d10	14.544	164	490257	20.000	ng	0.00
19) Phenanthrene-d10	17.298	188	1150062	20.000	ng	0.00
29) Chrysene-d12	21.500	240	1138872	20.000	ng	0.00
35) Perylene-d12	23.927	264	1417366	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.455	112	1558142	139.726	ng	0.00
5) Phenol-d6	7.066	99	2229407	159.326	ng	0.00
8) Nitrobenzene-d5	9.063	82	1071571	87.516	ng	-0.02
11) 2-Methylnaphthalene-d10	12.309	152	4	0.000	ng	0.00
14) 2,4,6-Tribromophenol	16.045	330	792205	158.044	ng	-0.01
15) 2-Fluorobiphenyl	13.165	172	2142210	63.709	ng	-0.01
27) Fluoranthene-d10	19.329	212	28	0.000	ng	0.00
31) Terphenyl-d14	19.928	244	2946080	64.148	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.296	88	194	0.040	ng	# 1
9) Naphthalene	10.760	128	7816	0.205	ng	98
12) 2-Methylnaphthalene	12.381	142	3149	0.117	ng	94
16) Acenaphthylene	14.266	152	10571	0.241	ng	98
17) Acenaphthene	14.608	154	3120	0.114	ng	96
18) Fluorene	15.603	166	5933	0.159	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.710	198	22	14.017	ng	# 1
24) Pentachlorophenol	16.963	266	118	13.333	ng	# 50
25) Phenanthrene	17.336	178	107575	1.690	ng	99
26) Anthracene	17.435	178	26165	0.439	ng	97
28) Fluoranthene	19.363	202	266364	3.350	ng	99
30) Pyrene	19.726	202	235915	3.030	ng	# 96
32) Benzo(a)anthracene	21.482	228	144518	1.877	ng	99
33) Chrysene	21.535	228	125221	1.634	ng	98
34) Bis(2-ethylhexyl)phtha...	21.392	149	25059	0.415	ng	97
36) Indeno(1,2,3-cd)pyrene	26.442	276	92869	0.817	ng	95
37) Benzo(b)fluoranthene	23.185	252	179847	2.001	ng	97
39) Benzo(a)pyrene	23.813	252	137589	1.495	ng	95
40) Dibenzo(a,h)anthracene	26.445	278	23938	0.267	ng	# 80
41) Benzo(g,h,i)perylene	27.217	276	89536	0.908	ng	100

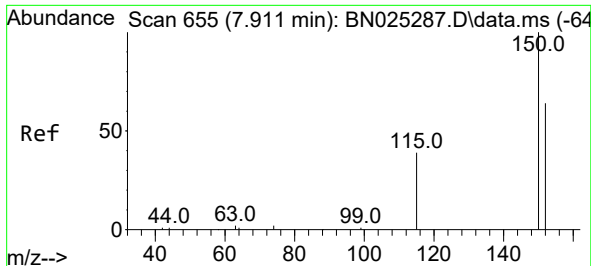
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050823\
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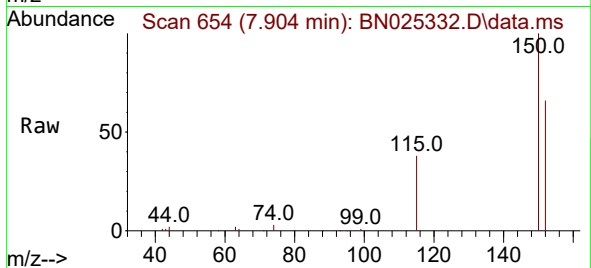
Quant Time: May 09 04:02:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 08 18:27:02 2023
Response via : Initial Calibration



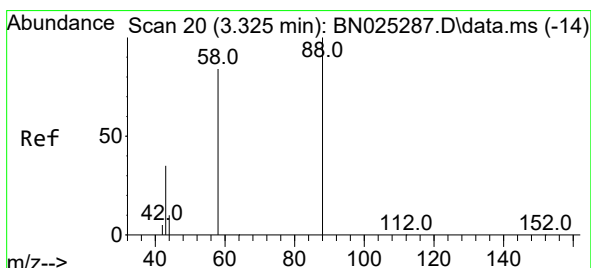
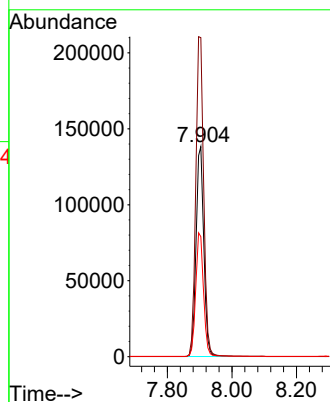
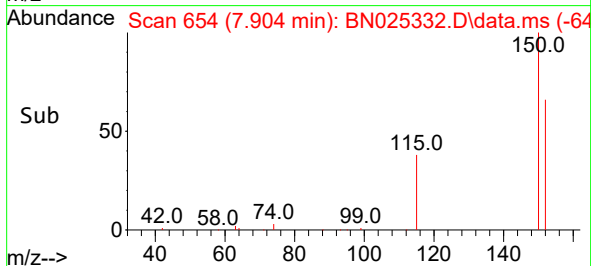


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

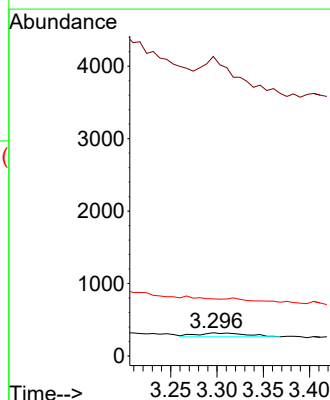
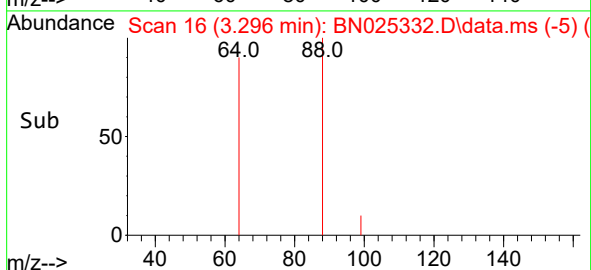
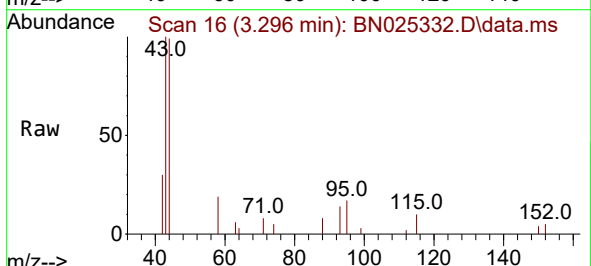


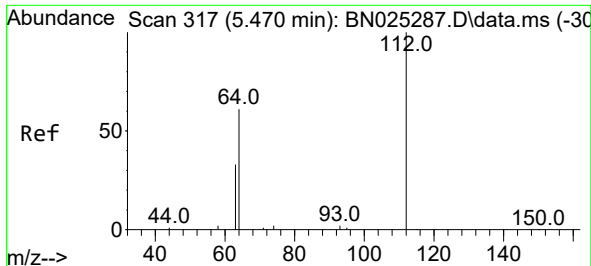
Tgt Ion:152 Resp: 229070
Ion Ratio Lower Upper
152 100
150 151.9 123.8 185.8
115 57.2 52.9 79.3



#2
1,4-Dioxane
Concen: 0.040 ng
RT: 3.296 min Scan# 16
Delta R.T. -0.022 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 781.4 37.2 55.8#
58 0.0 71.5 107.3#

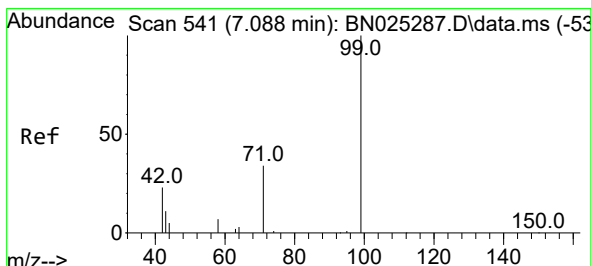
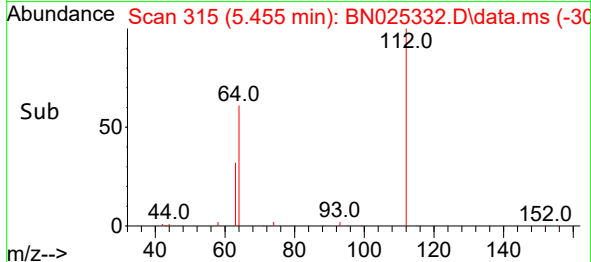
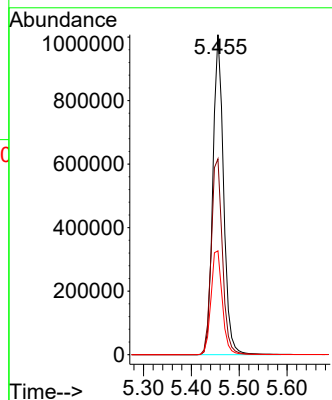
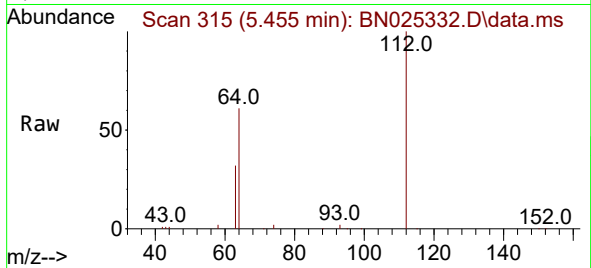




#4
2-Fluorophenol
Concen: 139.726 ng
RT: 5.455 min Scan# 317
Delta R.T. -0.007 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

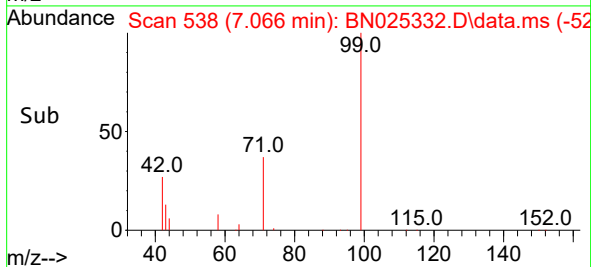
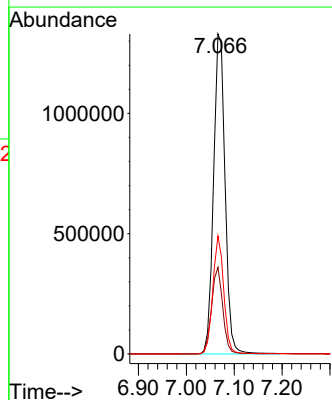
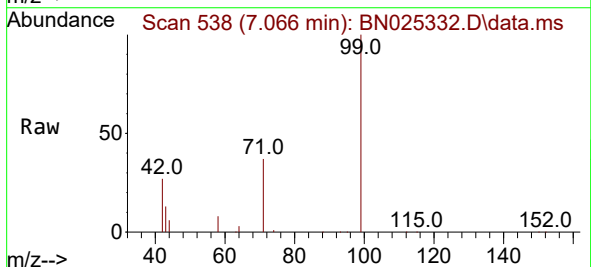
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

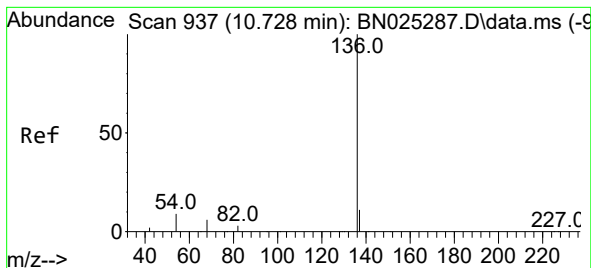
Tgt Ion:112 Resp: 1558142
Ion Ratio Lower Upper
112 100
64 64.1 51.5 77.3
63 34.4 27.8 41.6



#5
Phenol-d6
Concen: 159.326 ng
RT: 7.066 min Scan# 538
Delta R.T. -0.007 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion: 99 Resp: 2229407
Ion Ratio Lower Upper
99 100
42 26.3 22.0 33.0
71 35.2 28.7 43.1





#7

Naphthalene-d8

Concen: 20.000 ng

RT: 10.707 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

Tgt Ion:136 Resp: 744312

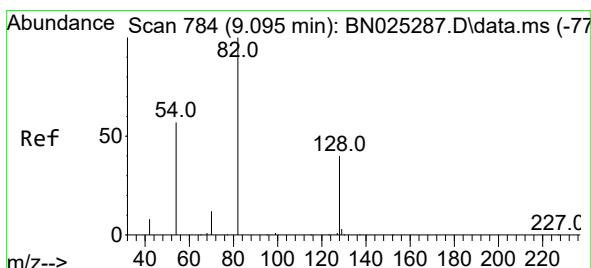
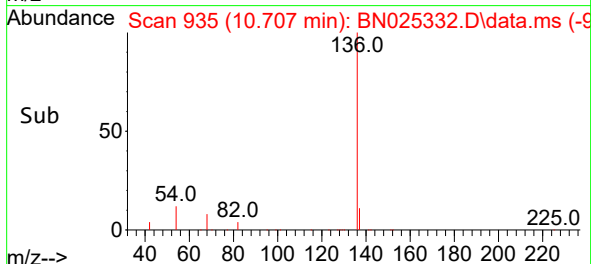
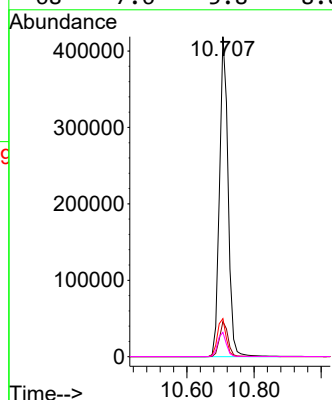
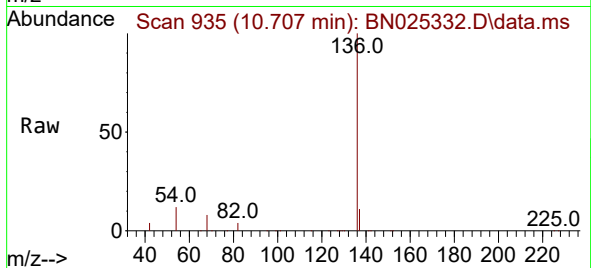
Ion Ratio Lower Upper

136 100

137 10.9 9.4 14.2

54 11.9 8.5 12.7

68 7.6 5.8 8.8



#8

Nitrobenzene-d5

Concen: 87.516 ng

RT: 9.063 min Scan# 781

Delta R.T. -0.022 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

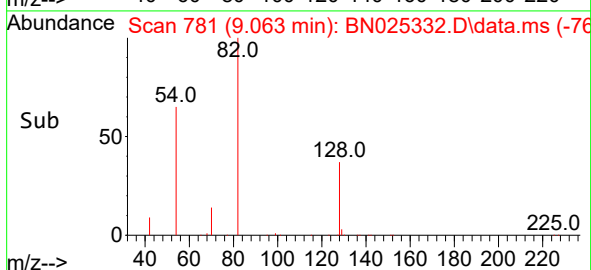
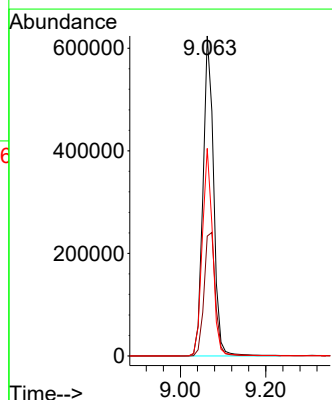
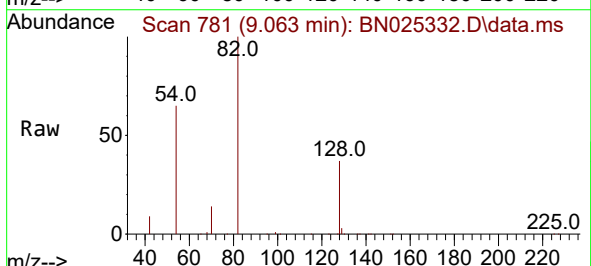
Tgt Ion: 82 Resp: 1071571

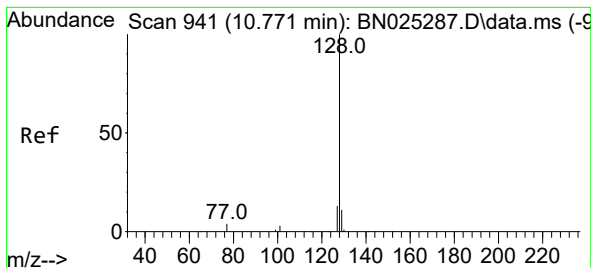
Ion Ratio Lower Upper

82 100

128 37.4 35.3 52.9

54 64.9 48.7 73.1





#9

Naphthalene

Concen: 0.205 ng

RT: 10.760 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

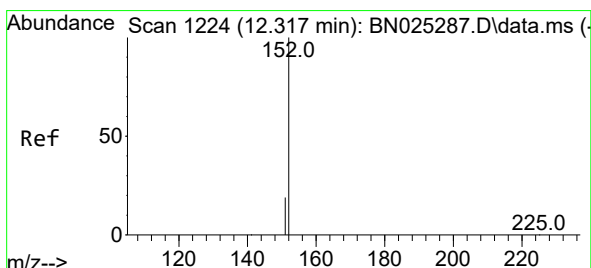
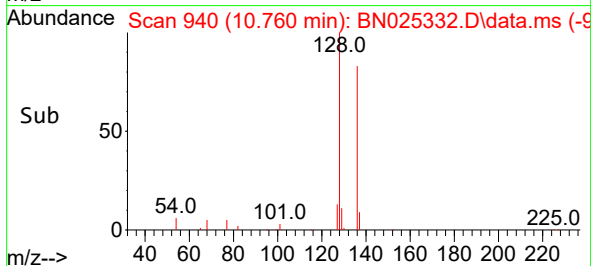
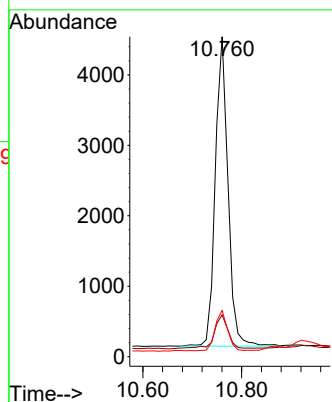
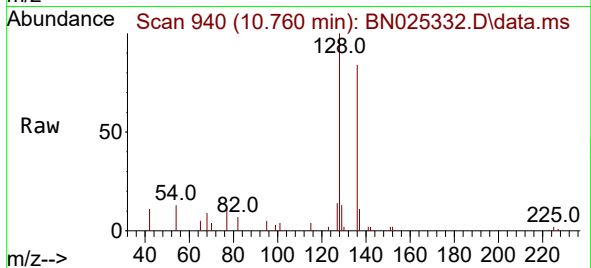
Tgt Ion:128 Resp: 7816

Ion Ratio Lower Upper

128 100

129 13.0 9.4 14.2

127 14.4 11.0 16.6



#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

RT: 12.309 min Scan# 1222

Delta R.T. 0.004 min

Lab File: BN025332.D

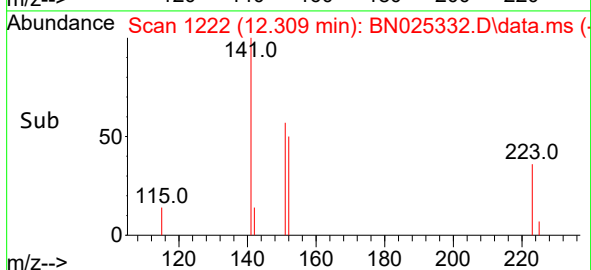
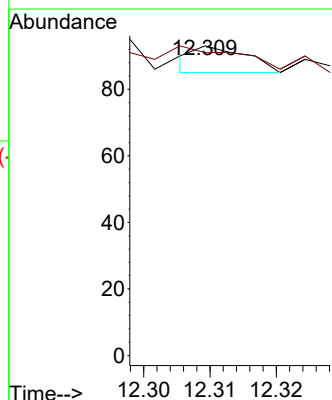
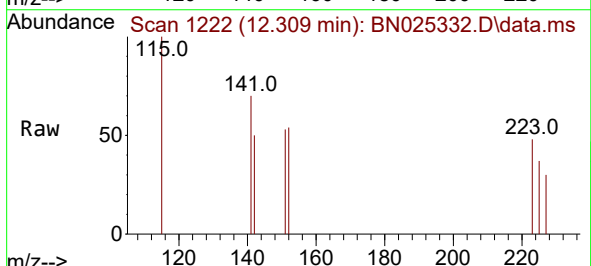
Acq: 08 May 2023 14:44

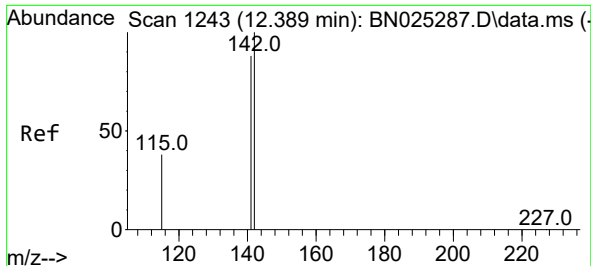
Tgt Ion:152 Resp: 4

Ion Ratio Lower Upper

152 100

151 0.0 16.4 24.6#

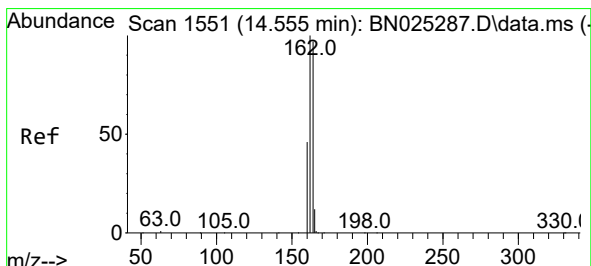
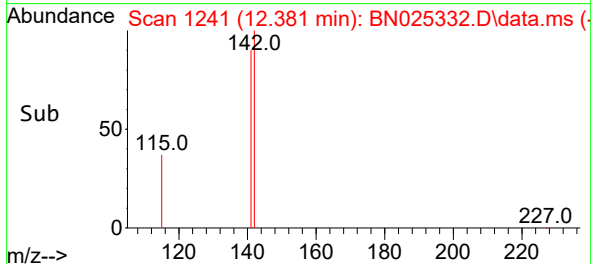
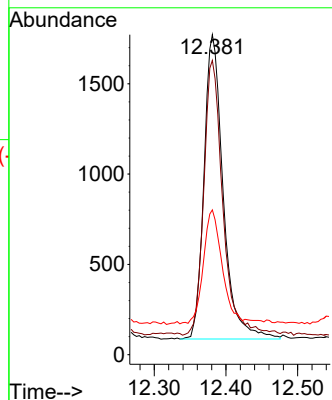
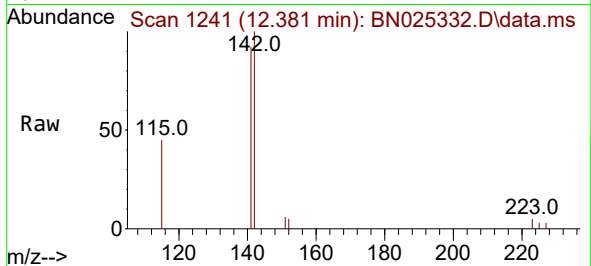




#12
2-Methylnaphthalene
Concen: 0.117 ng
RT: 12.381 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

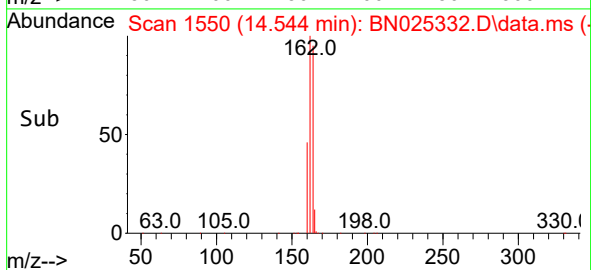
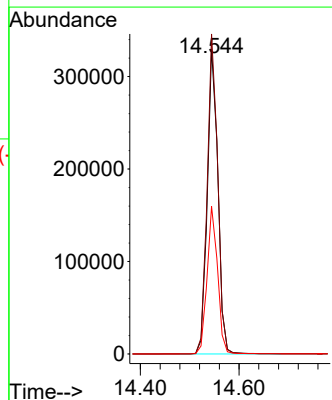
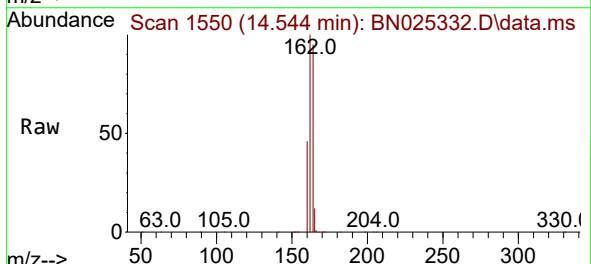
Instrument :
BNA_N
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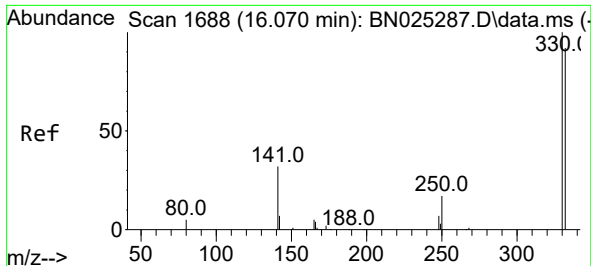
Tgt Ion:142 Resp: 3149
Ion Ratio Lower Upper
142 100
141 91.9 70.5 105.7
115 45.3 31.6 47.4



#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.544 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

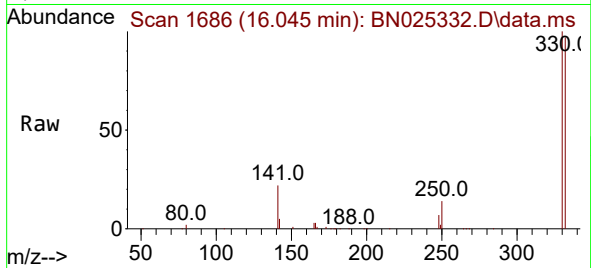
Tgt Ion:164 Resp: 490257
Ion Ratio Lower Upper
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162 104.9 82.1 123.1
160 48.4 38.3 57.5



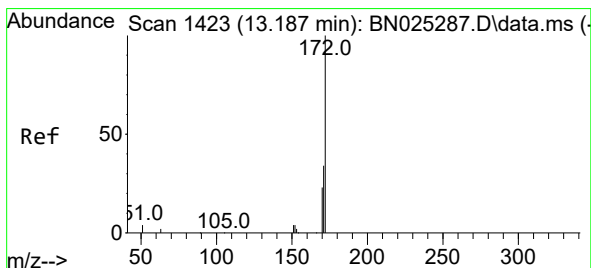
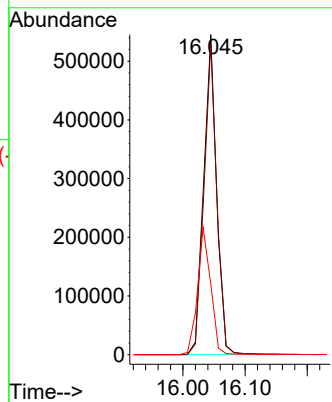
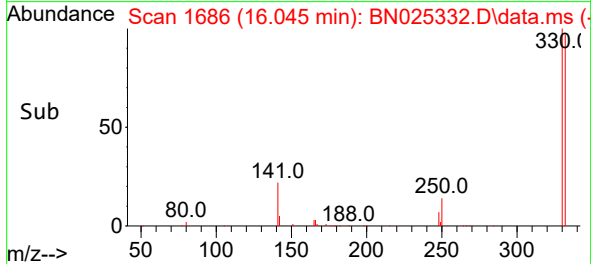


#14
2,4,6-Tribromophenol
Concen: 158.044 ng
RT: 16.045 min Scan# 1686
Delta R.T. -0.013 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

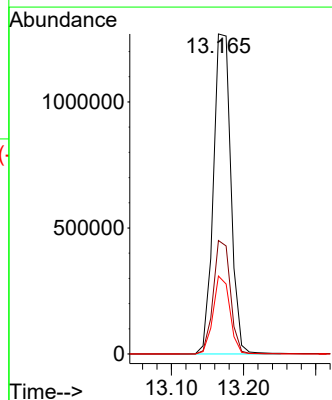
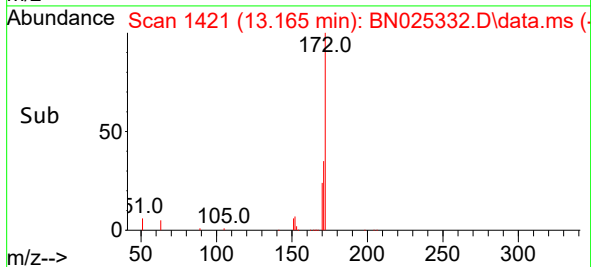
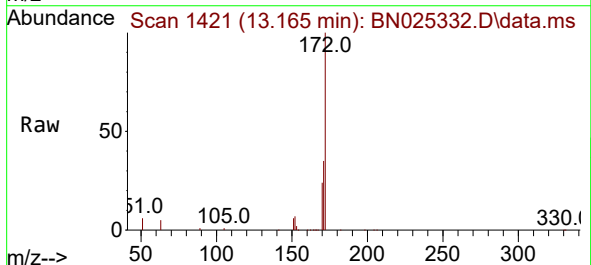


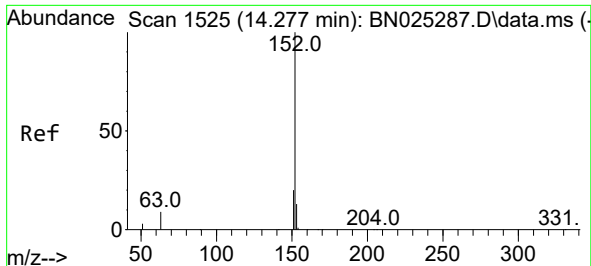
Tgt Ion:330 Resp: 792205
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 40.2 28.9 43.3



#15
2-Fluorobiphenyl
Concen: 63.709 ng
RT: 13.165 min Scan# 1421
Delta R.T. -0.011 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:172 Resp: 2142210
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 24.4 19.0 28.4

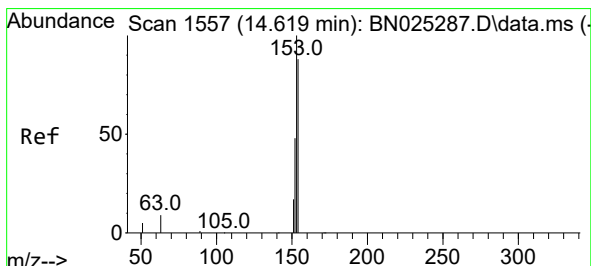
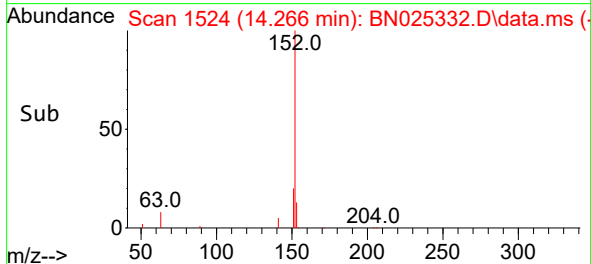
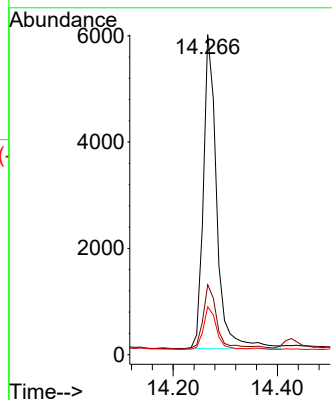
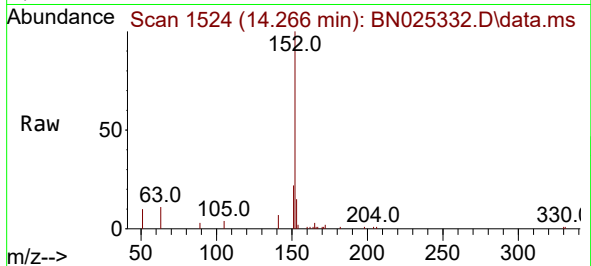




#16
Acenaphthylene
Concen: 0.241 ng
RT: 14.266 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

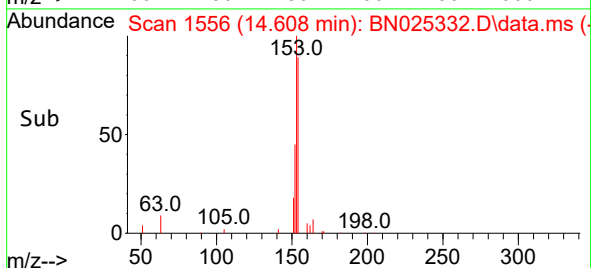
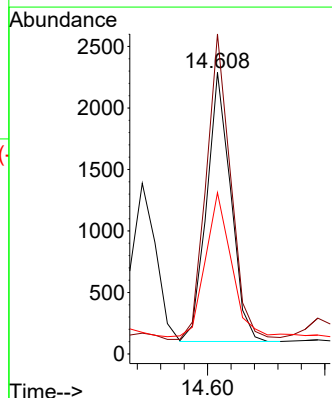
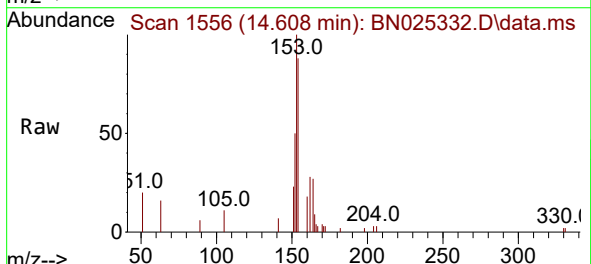
Instrument :
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ClientSampleId :
ZONE-B-6-9-05012023

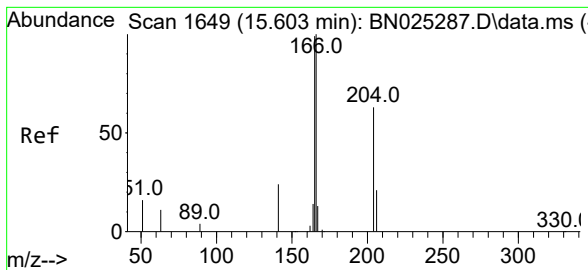
Tgt Ion:152 Resp: 10571
Ion Ratio Lower Upper
152 100
151 21.4 16.1 24.1
153 13.6 10.3 15.5



#17
Acenaphthene
Concen: 0.114 ng
RT: 14.608 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:154 Resp: 3120
Ion Ratio Lower Upper
154 100
153 115.1 91.3 136.9
152 63.1 44.7 67.1





#18

Fluorene

Concen: 0.159 ng

RT: 15.603 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN025332.D

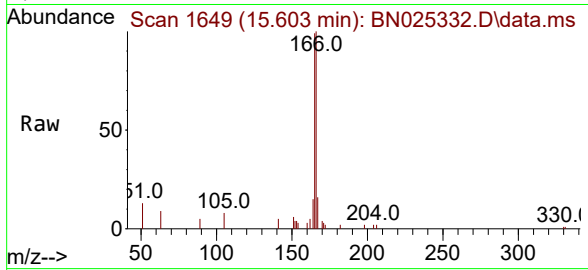
Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023



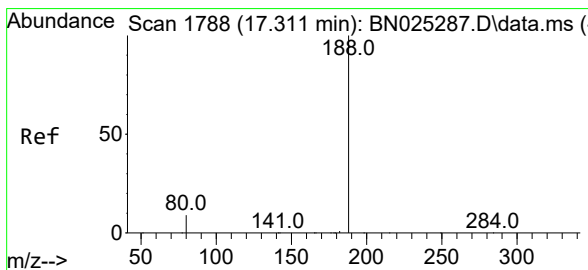
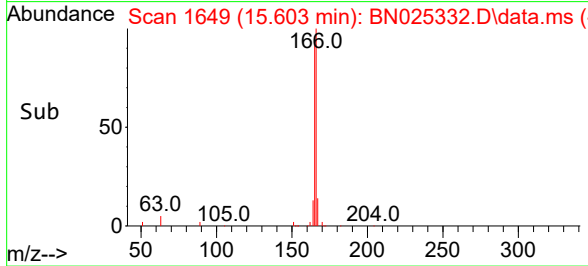
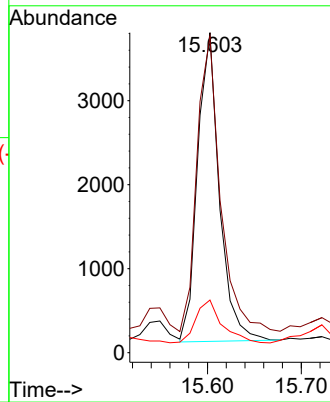
Tgt Ion:166 Resp: 5933

Ion Ratio Lower Upper

166 100

165 103.1 79.0 118.4

167 17.1 10.3 15.5#



#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

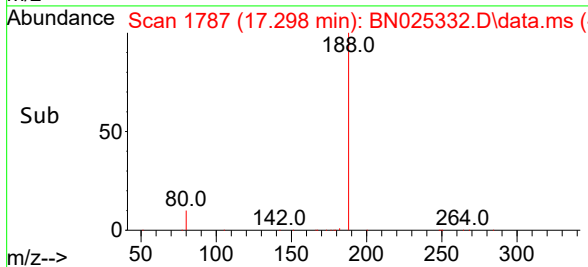
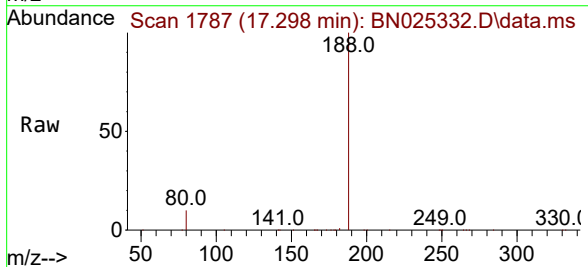
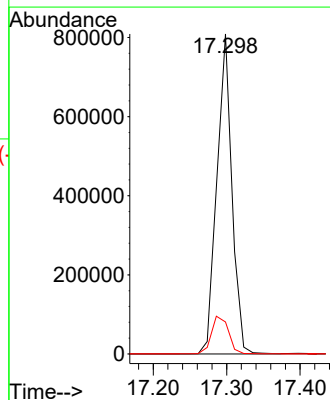
Tgt Ion:188 Resp: 1150062

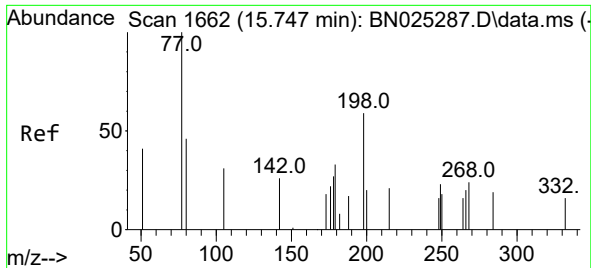
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 8.0 12.0

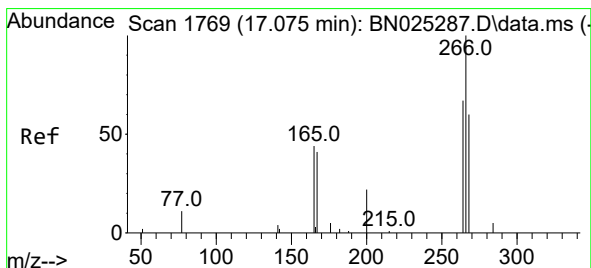
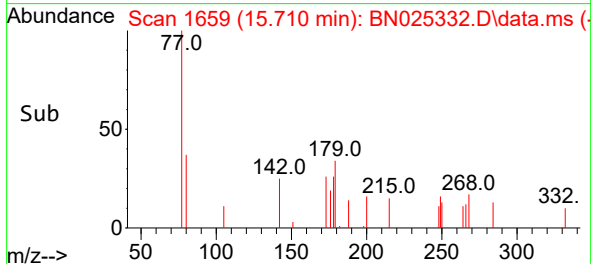
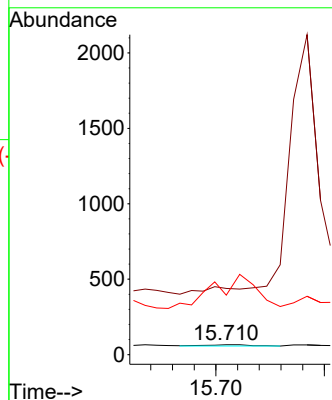
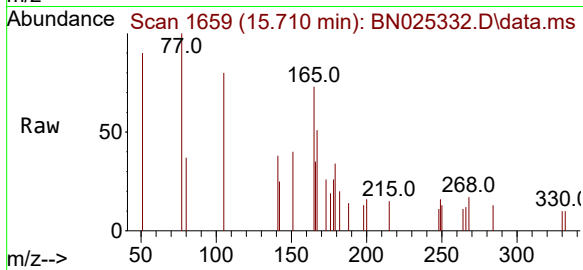




#20
4,6-Dinitro-2-methylphenol
Concen: 14.017 ng
RT: 15.710 min Scan# 1659
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

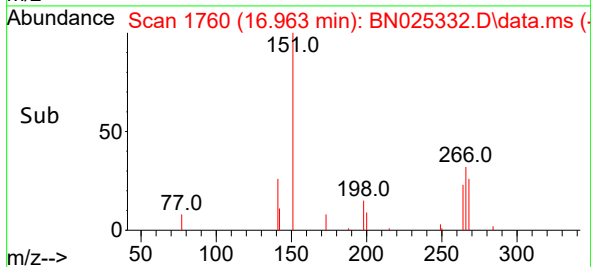
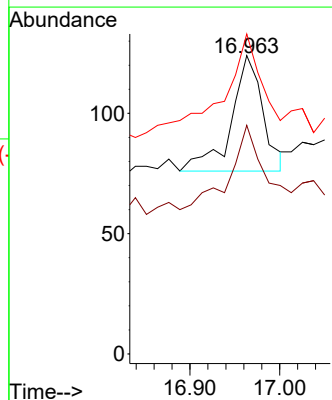
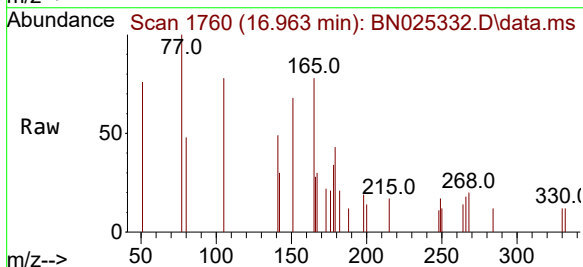
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

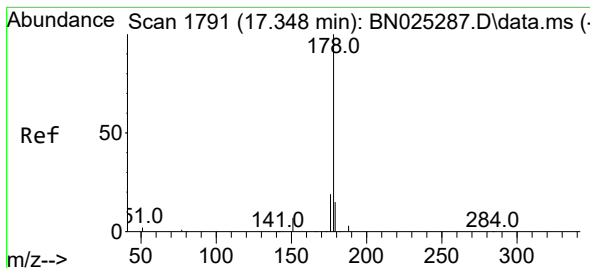
Tgt Ion:198 Resp: 22
Ion Ratio Lower Upper
198 100
51 675.4 162.1 243.1#
105 606.2 83.1 124.7#



#24
Pentachlorophenol
Concen: 13.333 ng
RT: 16.963 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:266 Resp: 118
Ion Ratio Lower Upper
266 100
264 80.5 43.0 64.4#
268 105.9 47.4 71.2#





#25

Phenanthrene

Concen: 1.690 ng

RT: 17.336 min Scan# 1790

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

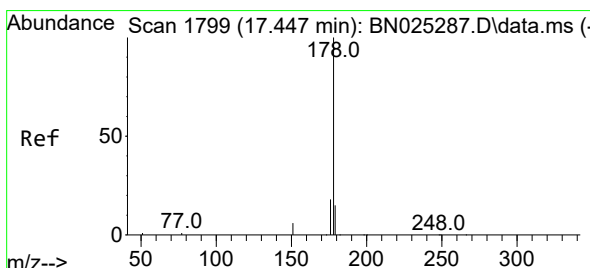
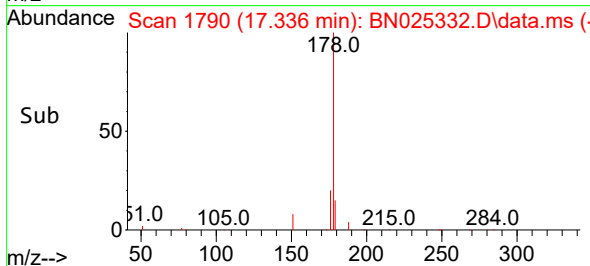
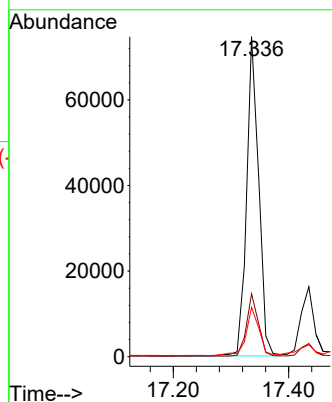
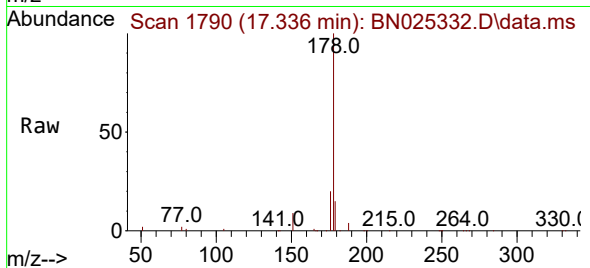
Tgt Ion:178 Resp: 107575

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 16.1 12.4 18.6



#26

Anthracene

Concen: 0.439 ng

RT: 17.435 min Scan# 1798

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

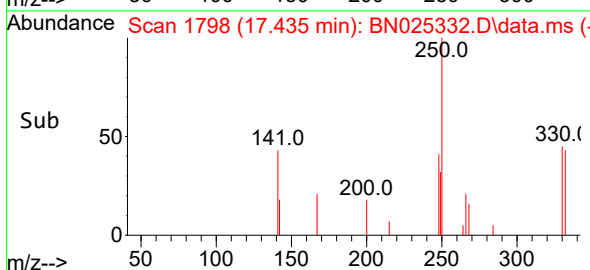
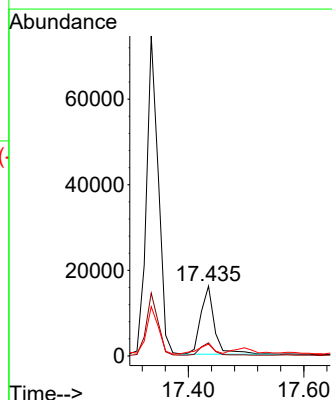
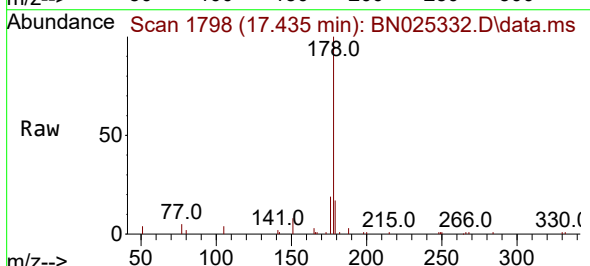
Tgt Ion:178 Resp: 26165

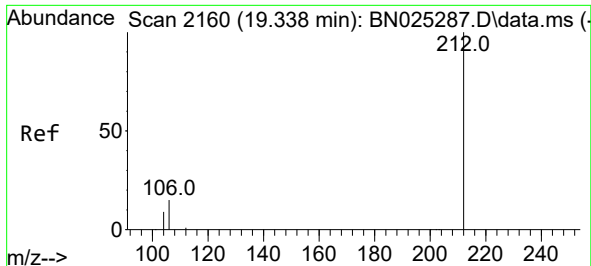
Ion Ratio Lower Upper

178 100

176 18.0 14.9 22.3

179 16.8 12.0 18.0

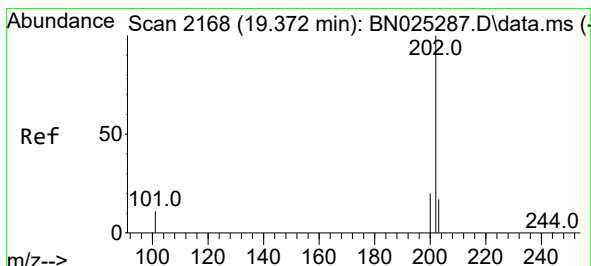
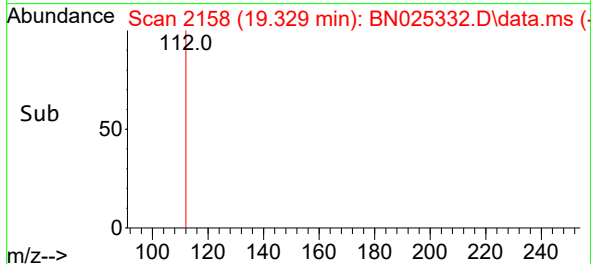
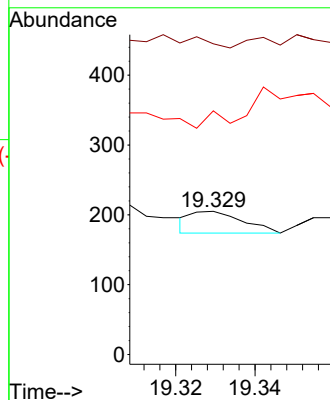
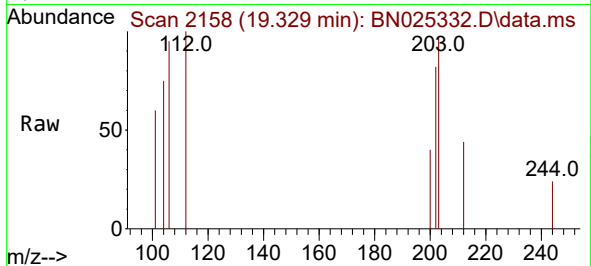




#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.329 min Scan# 2160
Delta R.T. -0.004 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

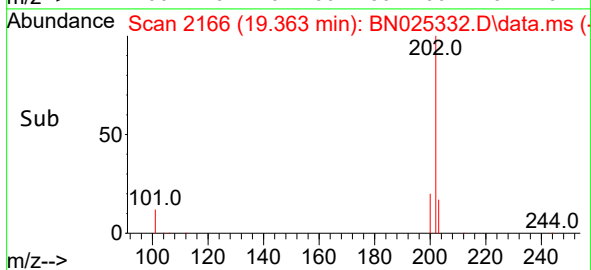
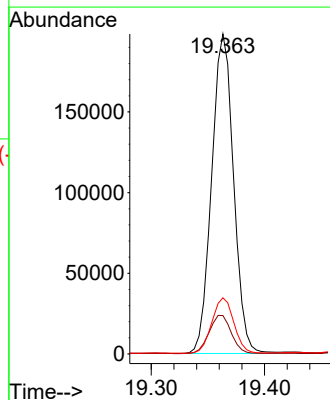
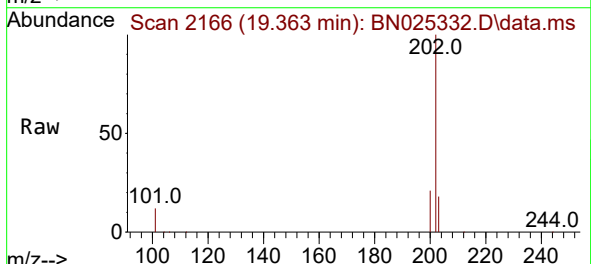
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

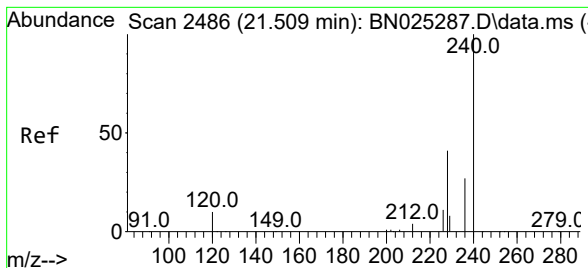
Tgt Ion:212 Resp: 28
Ion Ratio Lower Upper
212 100
106 28.6 12.6 19.0#
104 296.4 7.0 10.6#



#28
Fluoranthene
Concen: 3.350 ng
RT: 19.363 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:202 Resp: 266364
Ion Ratio Lower Upper
202 100
101 12.2 9.8 14.8
203 17.3 13.5 20.3





#29

Chrysene-d12

Concen: 20.000 ng

RT: 21.500 min Scan# 2486

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

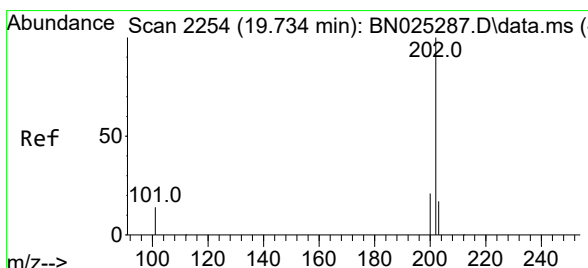
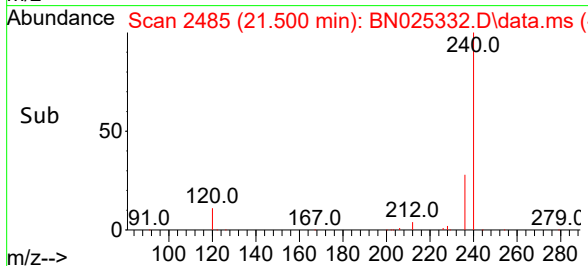
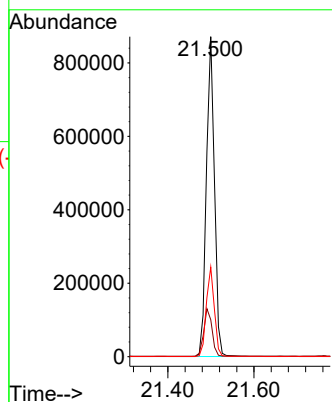
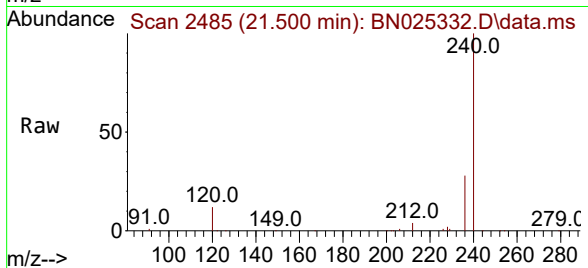
Tgt Ion:240 Resp: 1138872

Ion Ratio Lower Upper

240 100

120 11.5 10.3 15.5

236 28.0 22.3 33.5



#30

Pyrene

Concen: 3.030 ng

RT: 19.726 min Scan# 2252

Delta R.T. -0.004 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

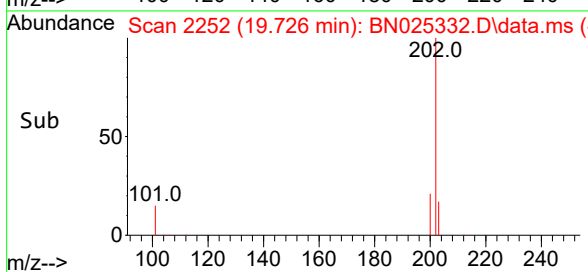
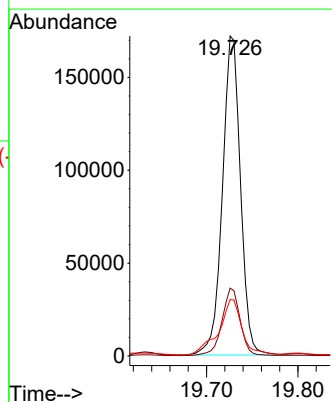
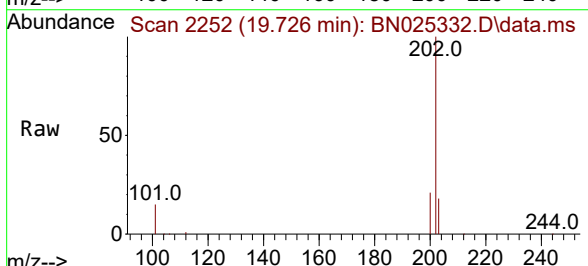
Tgt Ion:202 Resp: 235915

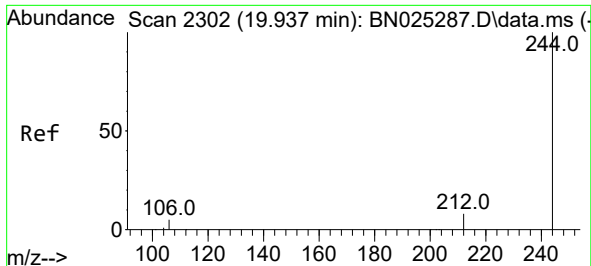
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 22.1 14.4 21.6#

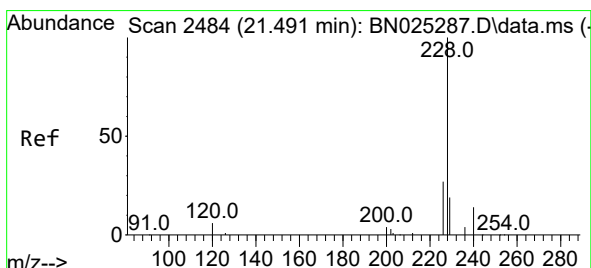
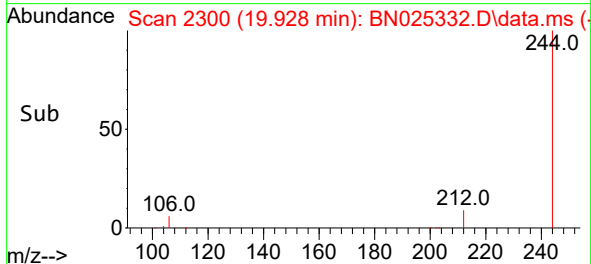
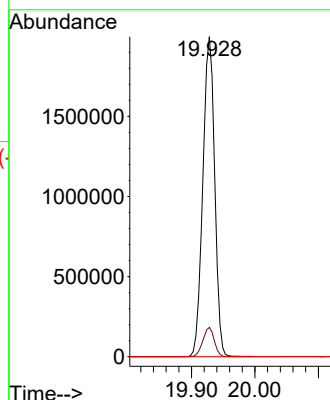
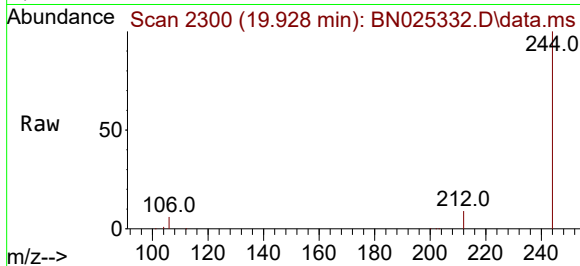




#31
Terphenyl-d14
Concen: 64.148 ng
RT: 19.928 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

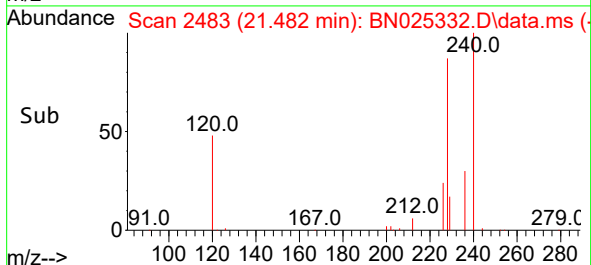
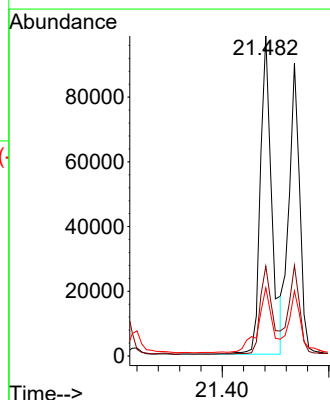
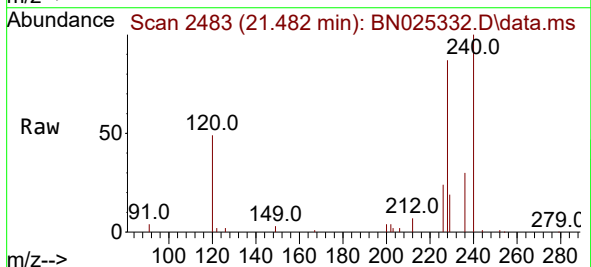
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

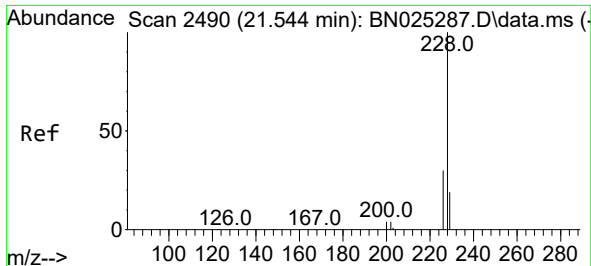
Tgt Ion:244 Resp: 2946080
Ion Ratio Lower Upper
244 100
212 9.2 7.1 10.7
122 0.0 0.0 0.0



#32
Benzo(a)anthracene
Concen: 1.877 ng
RT: 21.482 min Scan# 2483
Delta R.T. -0.000 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:228 Resp: 144518
Ion Ratio Lower Upper
228 100
226 28.1 22.5 33.7
229 21.3 16.2 24.2





#33

Chrysene

Concen: 1.634 ng

RT: 21.535 min Scan# 2489

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

Instrument :

BNA_N

ClientSampleId :

ZONE-B-6-9-05012023

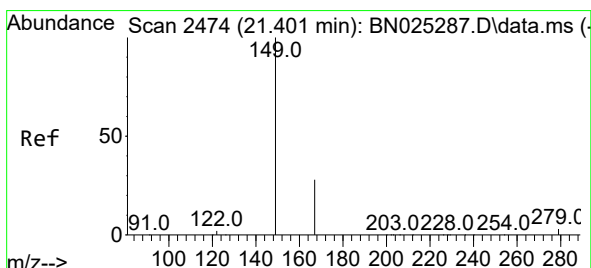
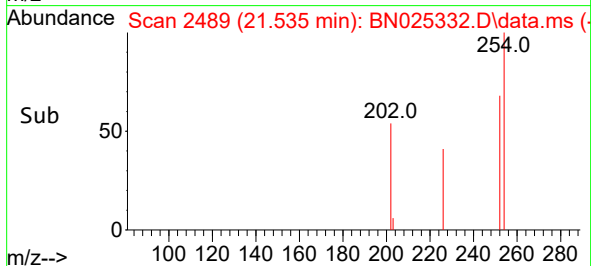
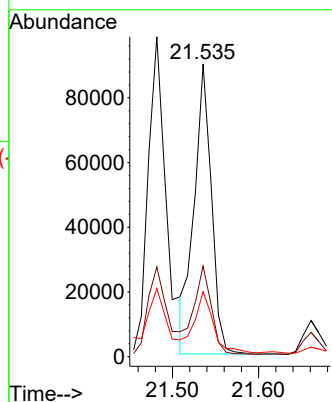
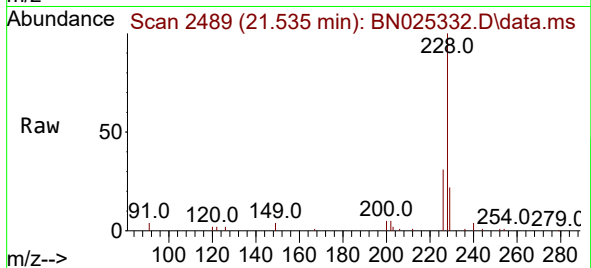
Tgt Ion:228 Resp: 125221

Ion Ratio Lower Upper

228 100

226 31.0 24.6 36.8

229 22.2 16.2 24.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.415 ng

RT: 21.392 min Scan# 2473

Delta R.T. -0.000 min

Lab File: BN025332.D

Acq: 08 May 2023 14:44

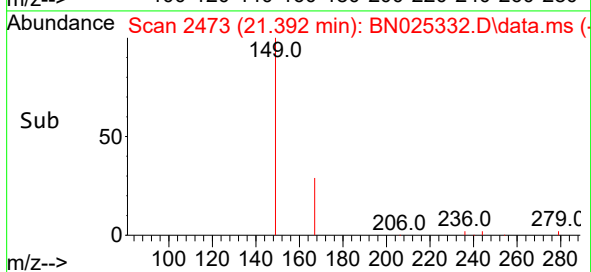
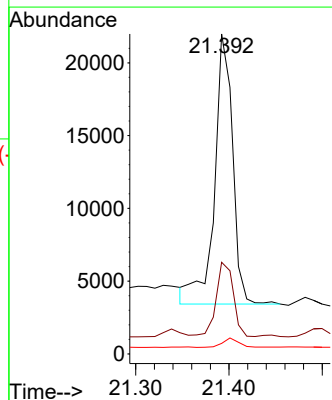
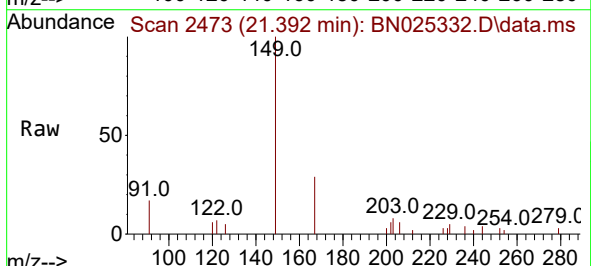
Tgt Ion:149 Resp: 25059

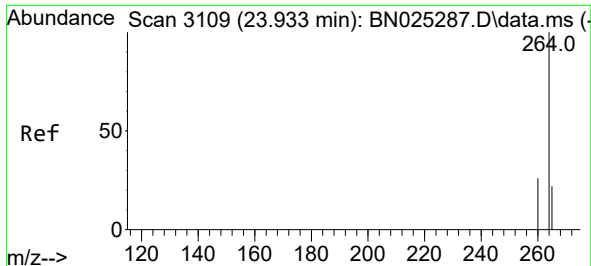
Ion Ratio Lower Upper

149 100

167 26.0 22.2 33.4

279 3.2 2.6 4.0

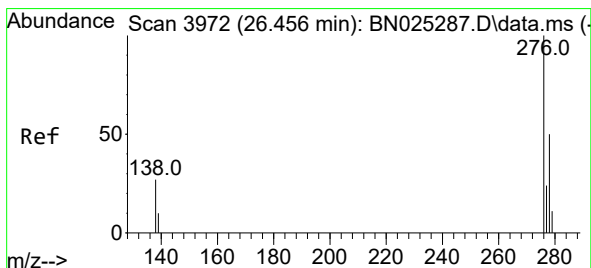
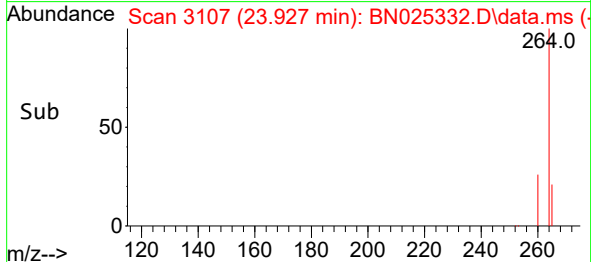
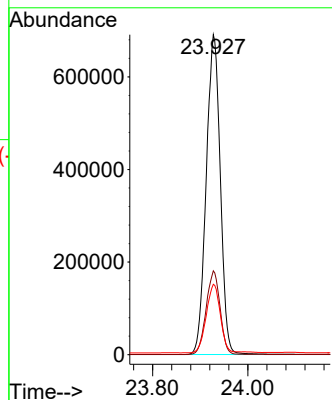
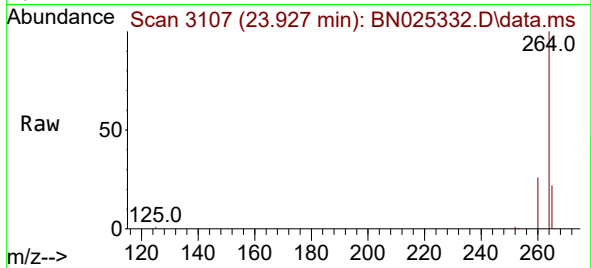




#35
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.927 min Scan# 3107
 Delta R.T. -0.003 min
 Lab File: BN025332.D
 Acq: 08 May 2023 14:44

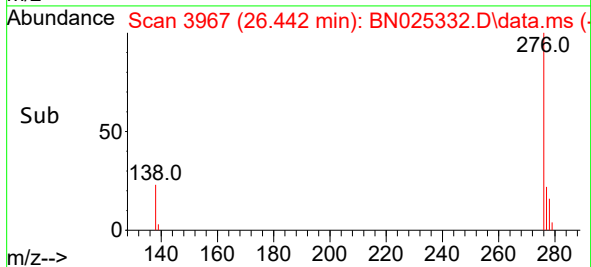
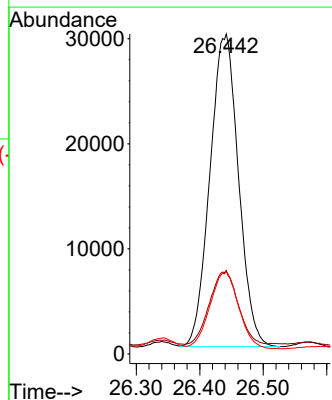
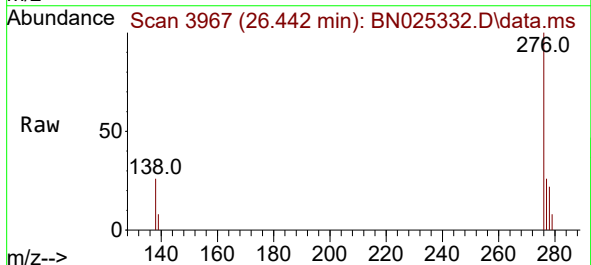
Instrument :
 BNA_N
 ClientSampleId :
 ZONE-B-6-9-05012023

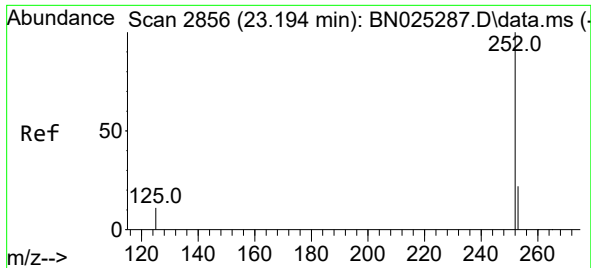
Tgt Ion:264 Resp: 1417366
 Ion Ratio Lower Upper
 264 100
 260 26.2 21.5 32.3
 265 22.0 46.2 69.4#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.817 ng
 RT: 26.442 min Scan# 3967
 Delta R.T. -0.006 min
 Lab File: BN025332.D
 Acq: 08 May 2023 14:44

Tgt Ion:276 Resp: 92869
 Ion Ratio Lower Upper
 276 100
 138 23.3 22.5 33.7
 277 24.9 19.8 29.6

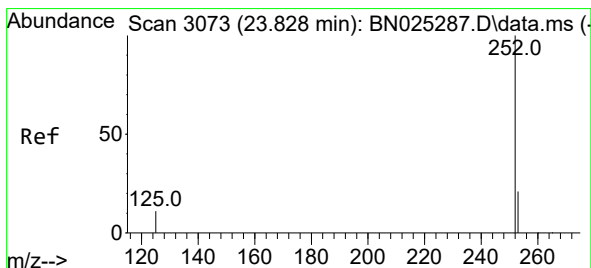
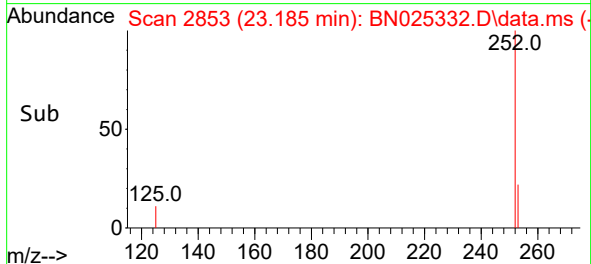
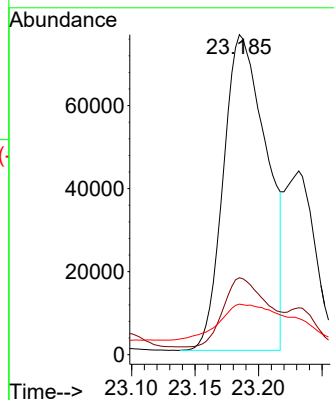
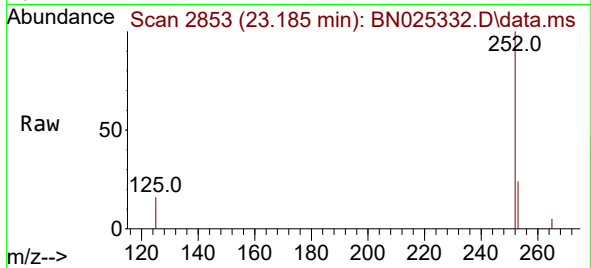




#37
Benzo(b)fluoranthene
Concen: 2.001 ng
RT: 23.185 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

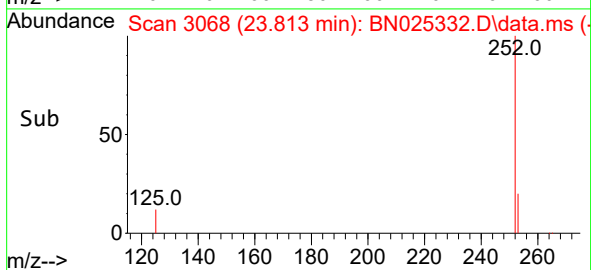
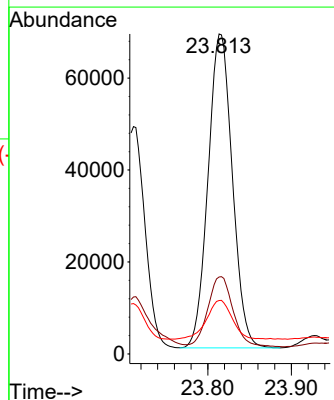
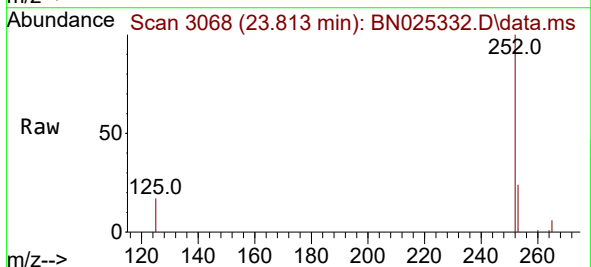
Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

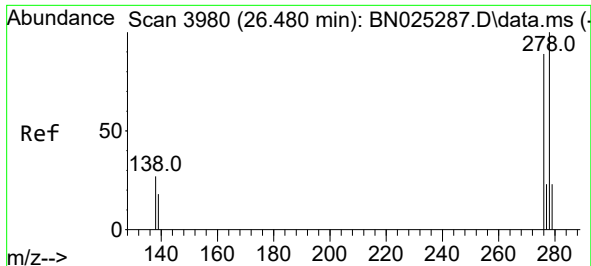
Tgt Ion:252 Resp: 179847
Ion Ratio Lower Upper
252 100
253 24.0 20.8 31.2
125 15.8 13.4 20.2



#39
Benzo(a)pyrene
Concen: 1.495 ng
RT: 23.813 min Scan# 3068
Delta R.T. -0.009 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:252 Resp: 137589
Ion Ratio Lower Upper
252 100
253 24.0 21.4 32.0
125 16.7 15.4 23.2

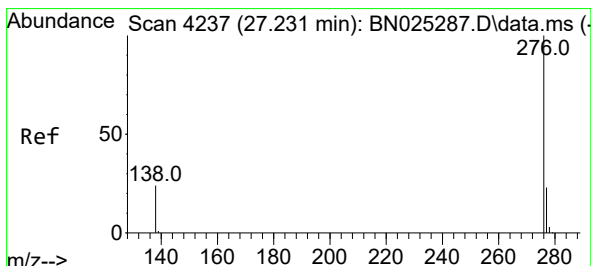
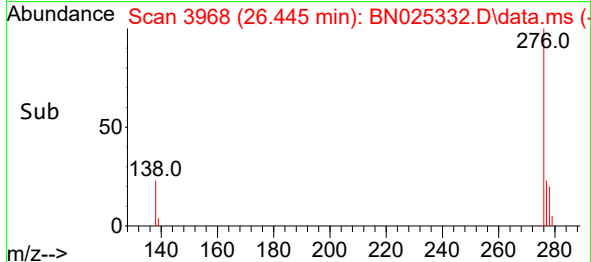
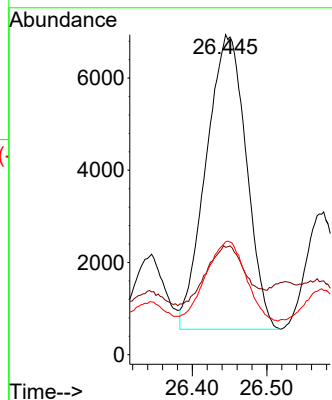
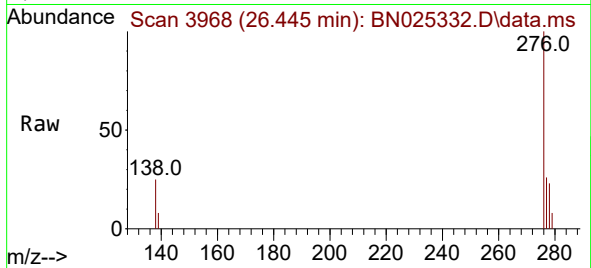




#40
Dibenzo(a,h)anthracene
Concen: 0.267 ng
RT: 26.445 min Scan# 3968
Delta R.T. -0.021 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Instrument :
BNA_N
ClientSampleId :
ZONE-B-6-9-05012023

Tgt Ion:278 Resp: 23938
Ion Ratio Lower Upper
278 100
139 33.5 17.6 26.4#
279 35.3 21.6 32.4#



#41
Benzo(g,h,i)perylene
Concen: 0.908 ng
RT: 27.217 min Scan# 4232
Delta R.T. -0.012 min
Lab File: BN025332.D
Acq: 08 May 2023 14:44

Tgt Ion:276 Resp: 89536
Ion Ratio Lower Upper
276 100
277 24.8 20.1 30.1
138 26.4 21.0 31.6

