

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022424\
 Data File : BN030006.D
 Acq On : 24 Feb 2024 23:20
 Operator : MA/JU
 Sample : P1507-12
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20240214

Quant Time: Feb 26 02:45:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 02:39:45 2024
 Response via : Initial Calibration

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

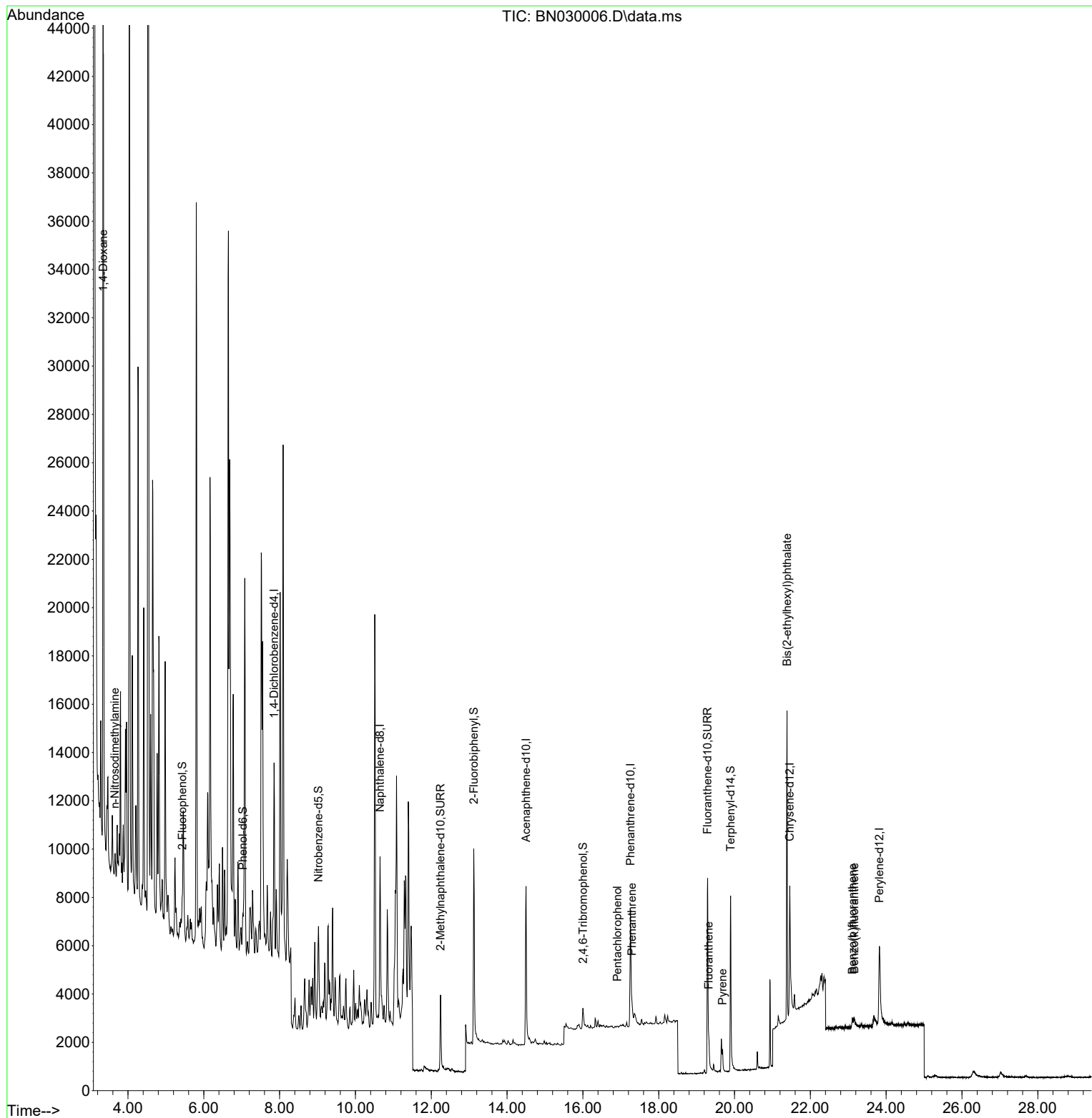
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	3926	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	10147	0.400	ng	# 0.00
13) Acenaphthene-d10	14.500	164	4840	0.400	ng	0.01
19) Phenanthrene-d10	17.255	188	8761	0.400	ng	0.00
29) Chrysene-d12	21.456	240	7446	0.400	ng	0.00
35) Perylene-d12	23.824	264	6572	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	1257	0.133	ng	0.00
5) Phenol-d6	7.031	99	1104	0.101	ng	0.00
8) Nitrobenzene-d5	9.025	82	3390	0.401	ng	0.01
11) 2-Methylnaphthalene-d10	12.246	152	5053	0.366	ng	0.00
14) 2,4,6-Tribromophenol	16.002	330	660	0.425	ng	0.00
15) 2-Fluorobiphenyl	13.121	172	8319	0.400	ng	0.00
27) Fluoranthene-d10	19.290	212	11129	0.524	ng	0.00
31) Terphenyl-d14	19.898	244	8921	0.483	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.348	88	31013	5.611	ng	# 95
3) n-Nitrosodimethylamine	3.658	42	212	0.047	ng	# 4
24) Pentachlorophenol	16.908	266	70	0.035	ng	# 58
25) Phenanthrene	17.293	178	604	0.023	ng	96
28) Fluoranthene	19.317	202	662	0.023	ng	# 66
30) Pyrene	19.684	202	848	0.025	ng	94
34) Bis(2-ethylhexyl)phtha...	21.385	149	12361	0.713	ng	98
37) Benzo(b)fluoranthene	23.107	252	602	0.026	ng	# 1
38) Benzo(k)fluoranthene	23.160	252	622	0.025	ng	# 1

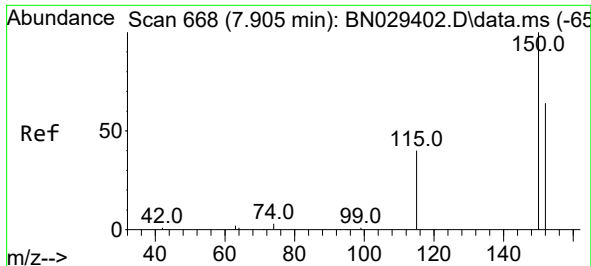
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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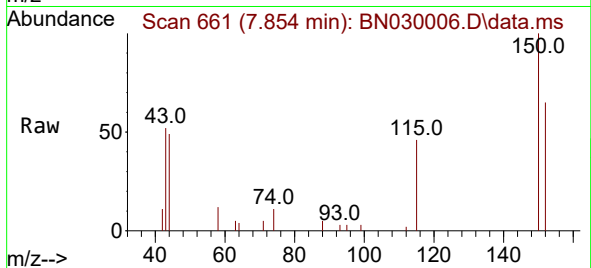
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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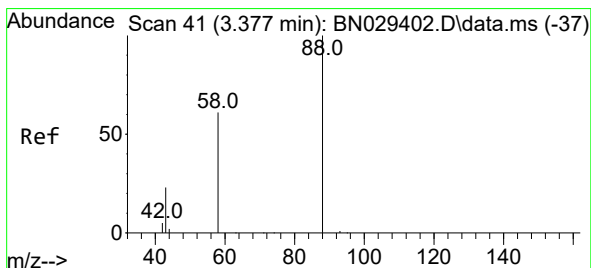
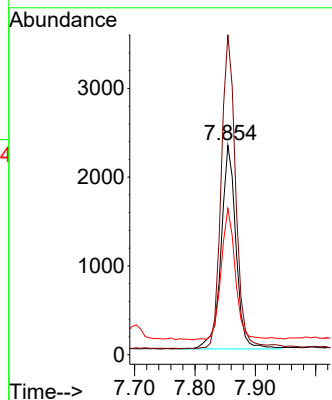
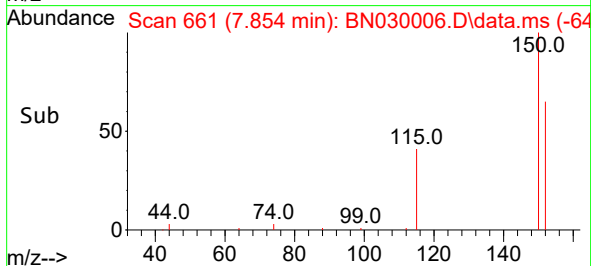
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN030006.D
 Acq: 24 Feb 2024 23:20

Instrument :
 BNA_N
 ClientSampleId :
 RE132D2-20240214



Tgt Ion:152 Resp: 3926

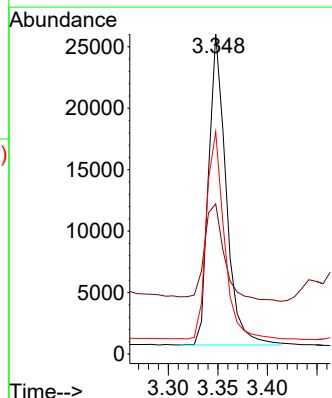
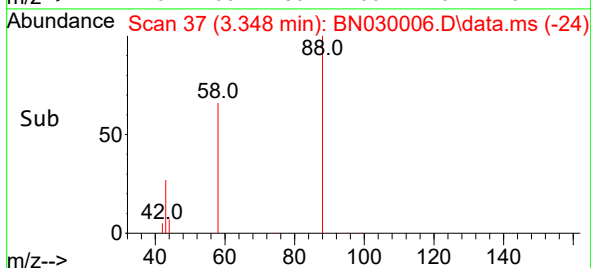
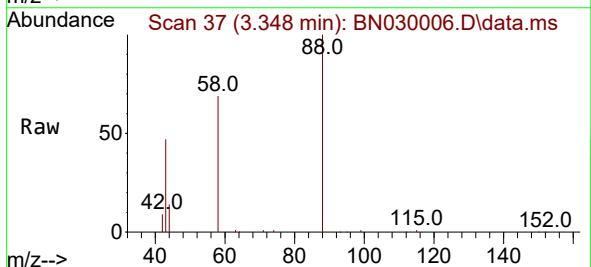
Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.0	184.4
115	69.8	51.4	77.0

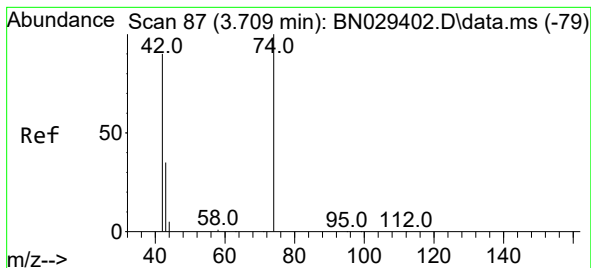


#2
 1,4-Dioxane
 Concen: 5.611 ng
 RT: 3.348 min Scan# 37
 Delta R.T. -0.007 min
 Lab File: BN030006.D
 Acq: 24 Feb 2024 23:20

Tgt Ion: 88 Resp: 31013

Ion	Ratio	Lower	Upper
88	100		
43	36.7	23.3	34.9#
58	67.9	53.8	80.6





#3

n-Nitrosodimethylamine

Concen: 0.047 ng

RT: 3.658 min Scan# 80

Delta R.T. -0.029 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

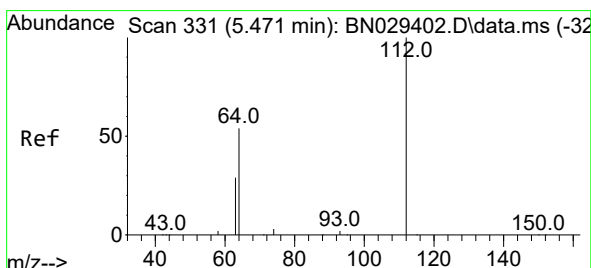
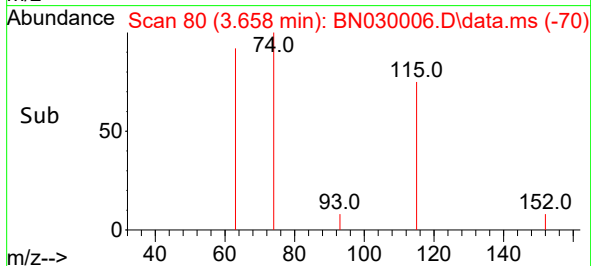
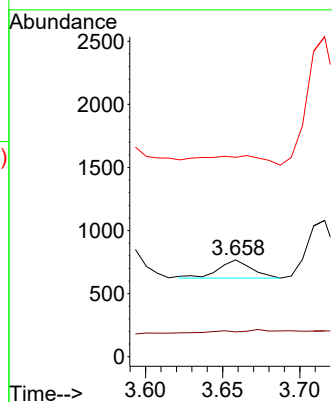
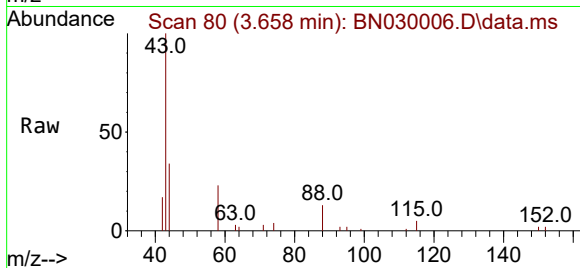
Tgt Ion: 42 Resp: 212

Ion Ratio Lower Upper

42 100

74 25.9 93.7 140.5#

44 97.2 13.0 19.4#



#4

2-Fluorophenol

Concen: 0.133 ng

RT: 5.435 min Scan# 326

Delta R.T. 0.007 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

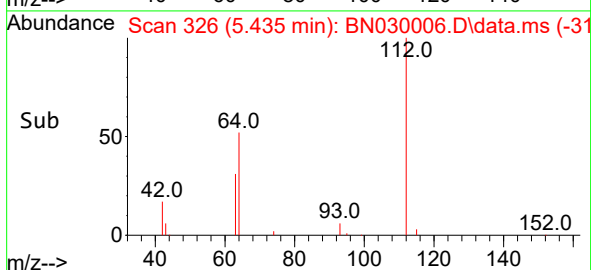
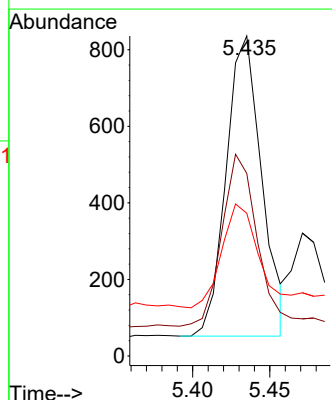
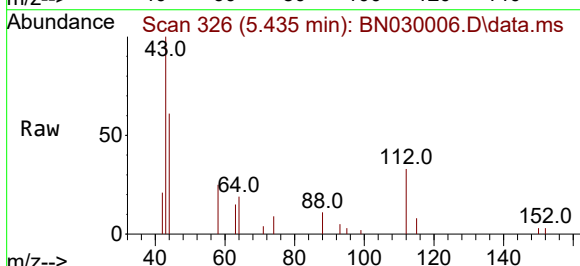
Tgt Ion: 112 Resp: 1257

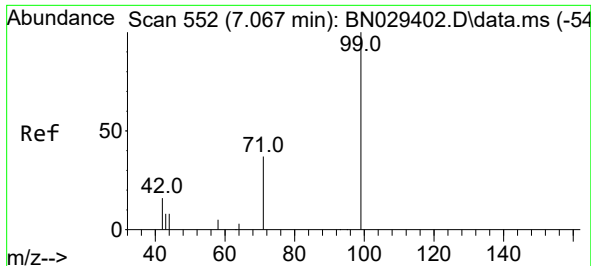
Ion Ratio Lower Upper

112 100

64 60.1 47.2 70.8

63 41.3 25.8 38.6#

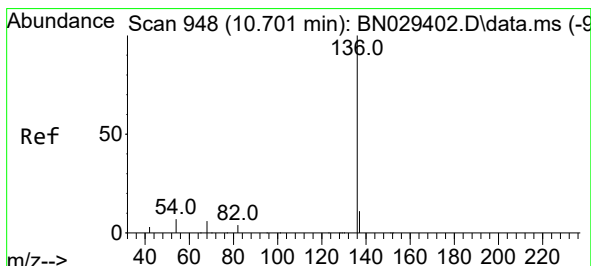
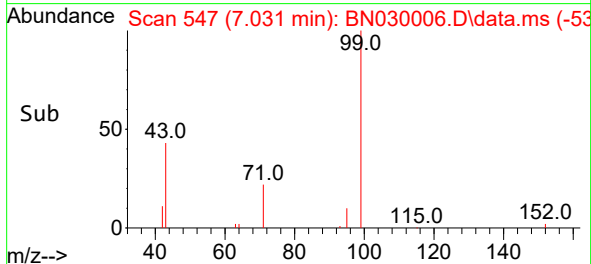
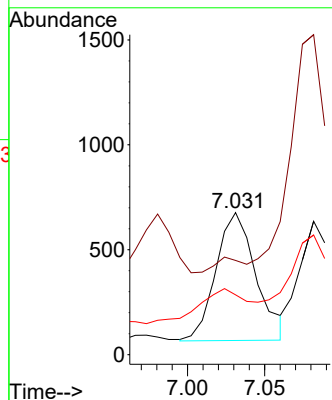
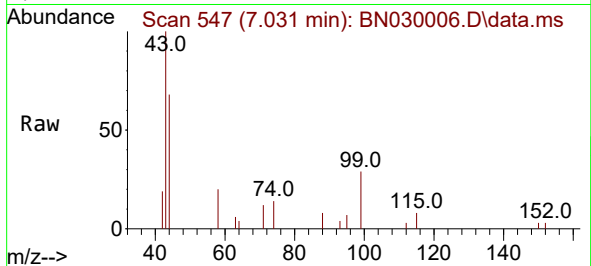




#5
Phenol-d6
Concen: 0.101 ng
RT: 7.031 min Scan# 54
Delta R.T. 0.007 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

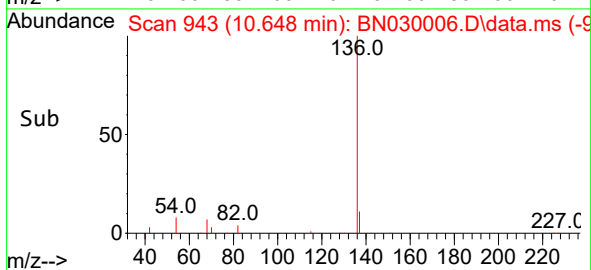
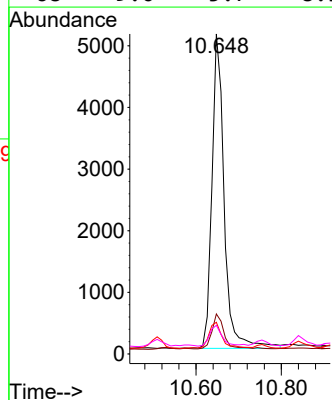
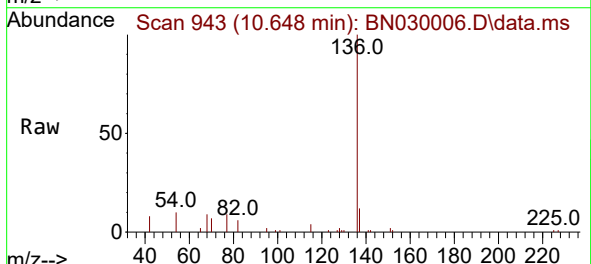
Instrument :
BNA_N
ClientSampleId :
RE132D2-20240214

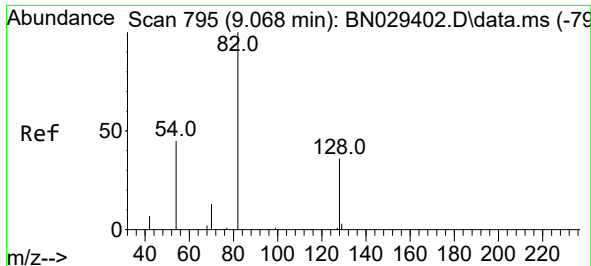
Tgt Ion: 99 Resp: 1104
Ion Ratio Lower Upper
99 100
42 15.0 16.9 25.3#
71 38.9 30.0 45.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 943
Delta R.T. 0.000 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

Tgt Ion: 136 Resp: 10147
Ion Ratio Lower Upper
136 100
137 12.5 9.7 14.5
54 9.9 6.6 10.0
68 9.0 5.7 8.5#

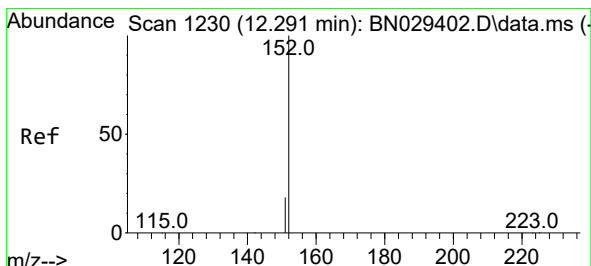
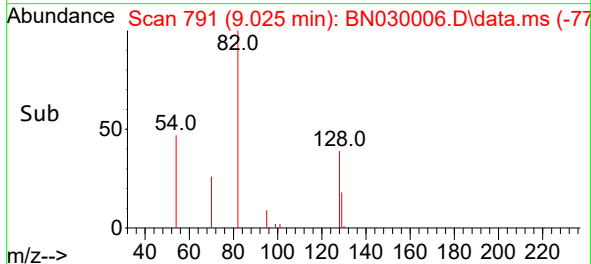
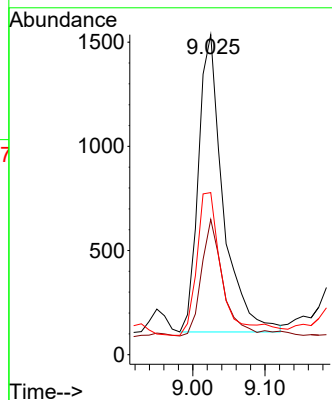
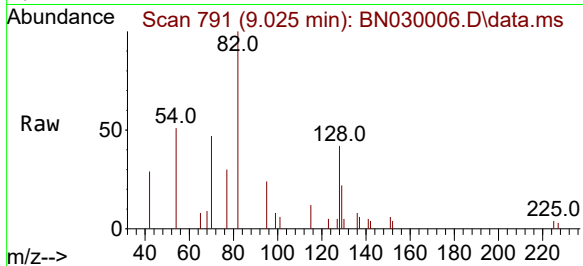




#8
Nitrobenzene-d5
Concen: 0.401 ng
RT: 9.025 min Scan# 795
Delta R.T. 0.011 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

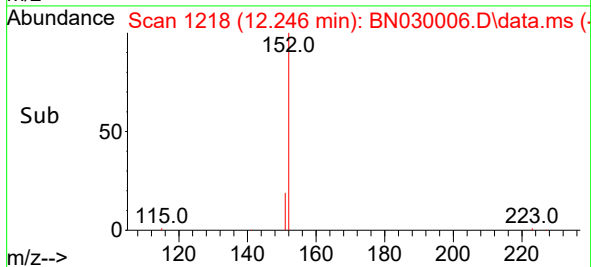
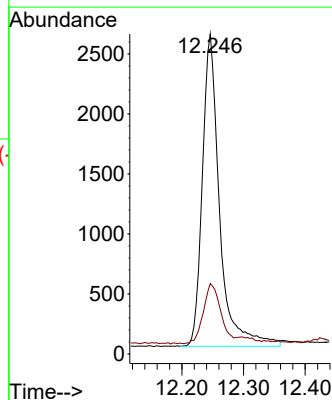
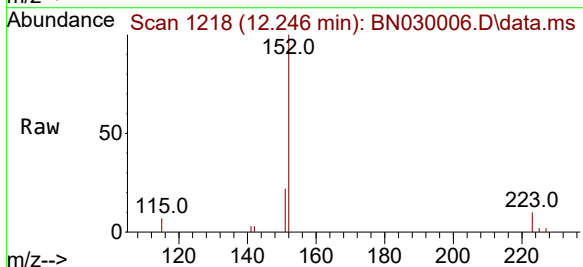
Instrument :
BNA_N
ClientSampleId :
RE132D2-20240214

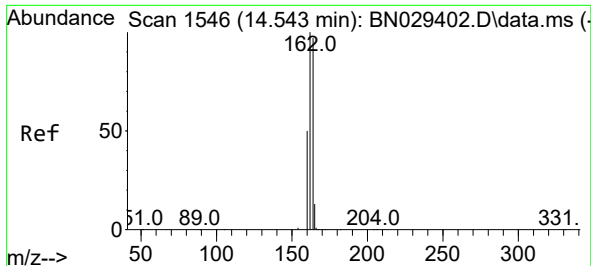
Tgt Ion: 82 Resp: 3390
Ion Ratio Lower Upper
82 100
128 42.3 31.6 47.4
54 50.7 38.2 57.4



#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.246 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

Tgt Ion: 152 Resp: 5053
Ion Ratio Lower Upper
152 100
151 19.5 17.1 25.7

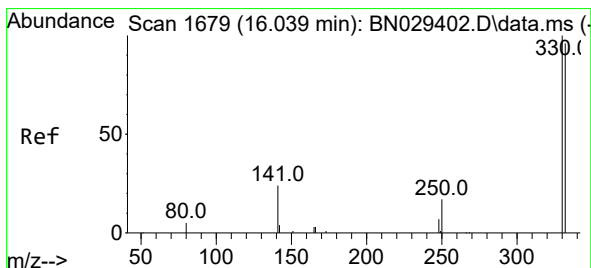
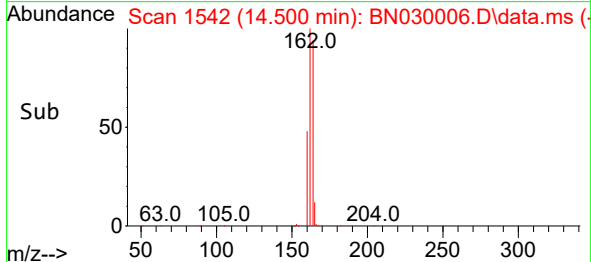
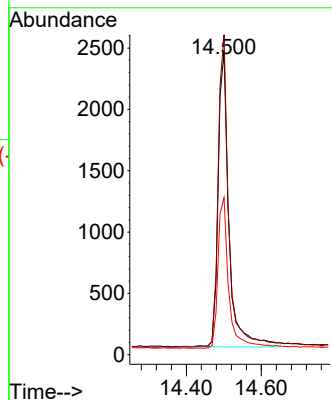
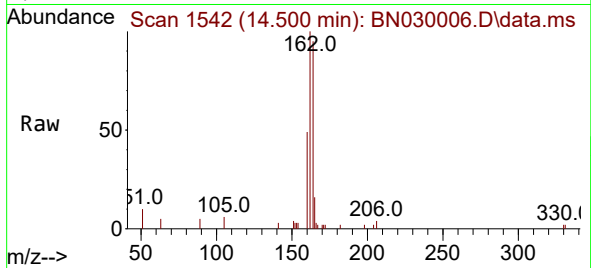




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.500 min Scan# 11
 Delta R.T. 0.011 min
 Lab File: BN030006.D
 Acq: 24 Feb 2024 23:20

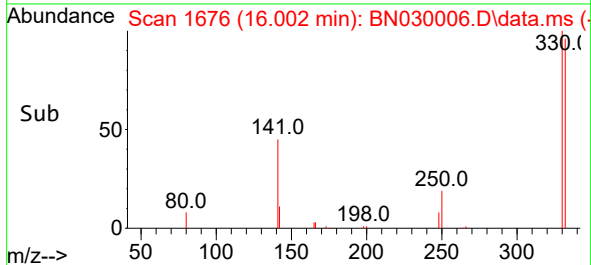
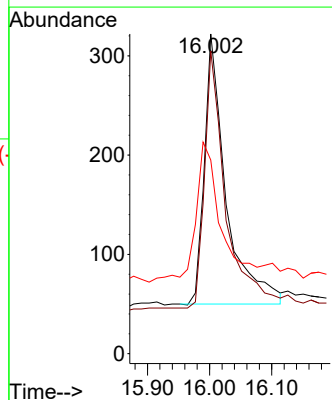
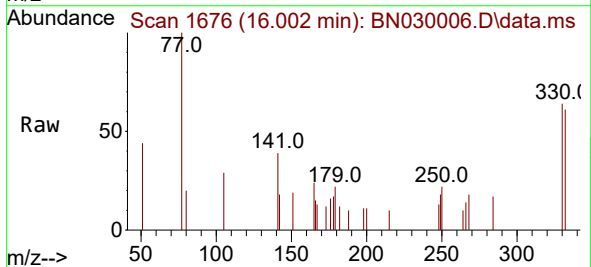
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 RE132D2-20240214

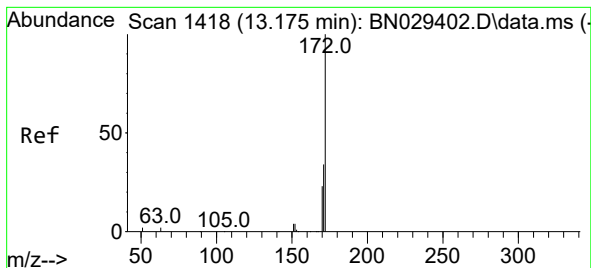
Tgt Ion:164 Resp: 4840
 Ion Ratio Lower Upper
 164 100
 162 105.8 82.6 123.8
 160 51.9 41.5 62.3



#14
 2,4,6-Tribromophenol
 Concen: 0.425 ng
 RT: 16.002 min Scan# 1676
 Delta R.T. 0.000 min
 Lab File: BN030006.D
 Acq: 24 Feb 2024 23:20

Tgt Ion:330 Resp: 660
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.0 114.0
 141 55.9 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 0.400 ng

RT: 13.121 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

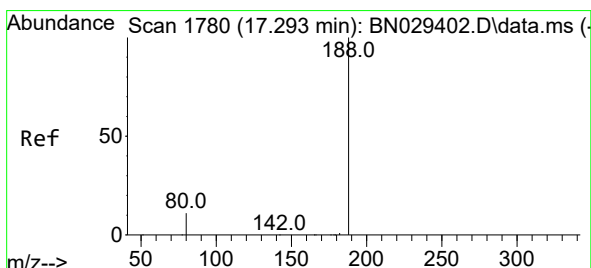
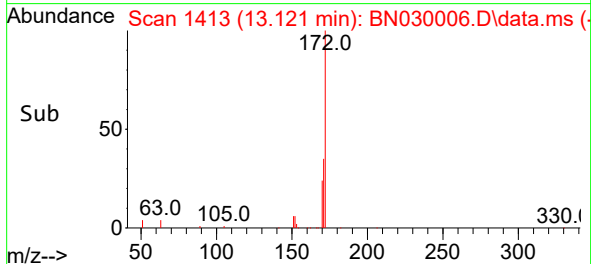
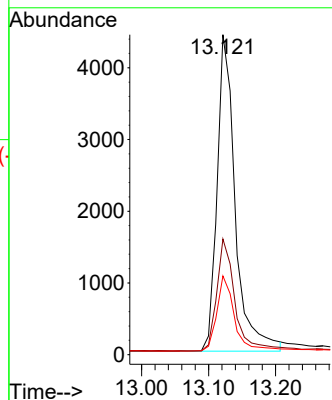
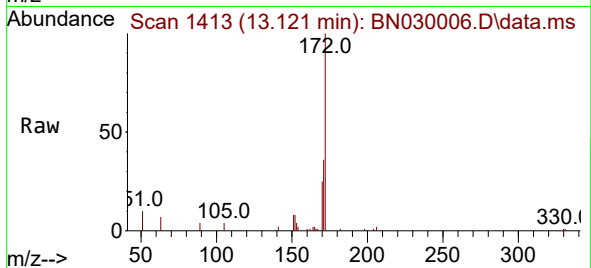
Tgt Ion:172 Resp: 8319

Ion Ratio Lower Upper

172 100

171 36.2 28.0 42.0

170 24.6 18.7 28.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

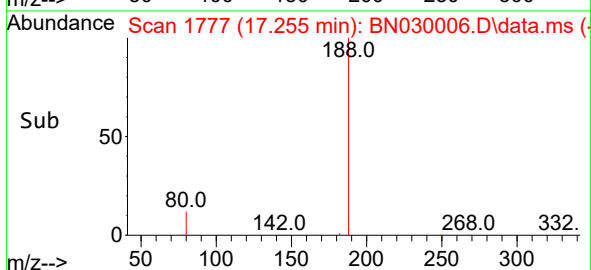
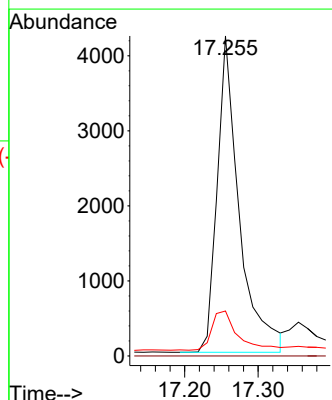
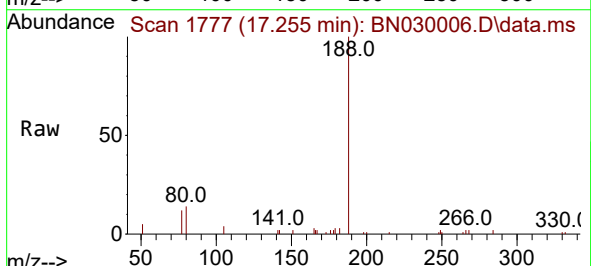
Tgt Ion:188 Resp: 8761

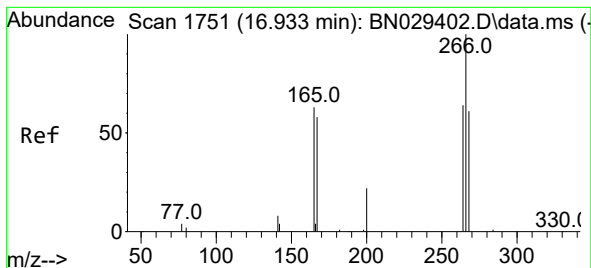
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.0 10.0 15.0





#24

Pentachlorophenol

Concen: 0.035 ng

RT: 16.908 min Scan# 1749

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

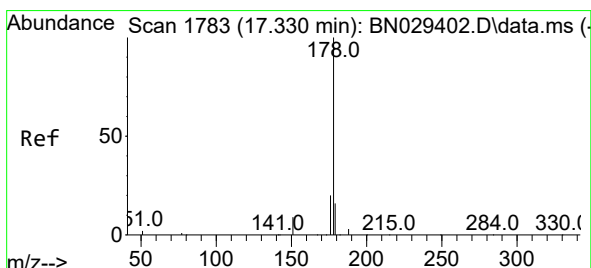
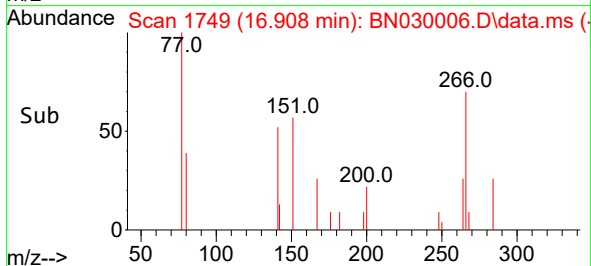
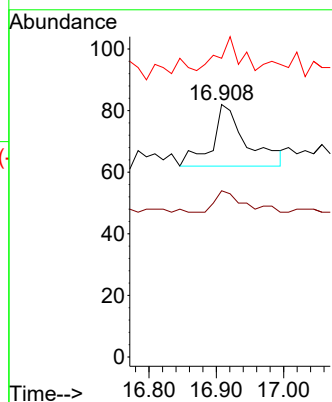
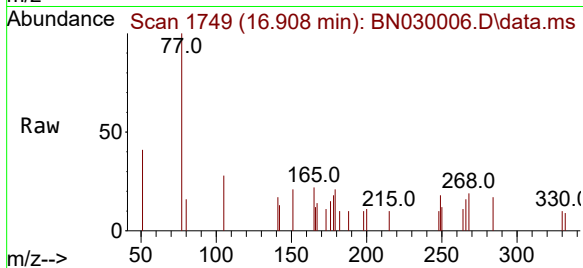
Tgt Ion:266 Resp: 70

Ion Ratio Lower Upper

266 100

264 28.6 50.8 76.2#

268 34.3 51.5 77.3#



#25

Phenanthrene

Concen: 0.023 ng

RT: 17.293 min Scan# 1780

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

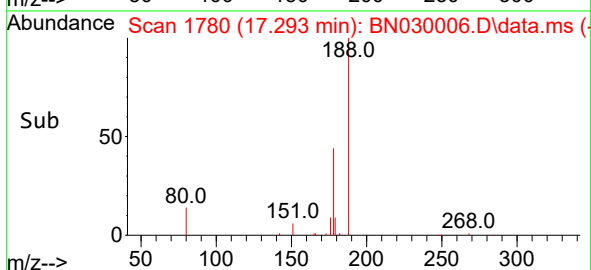
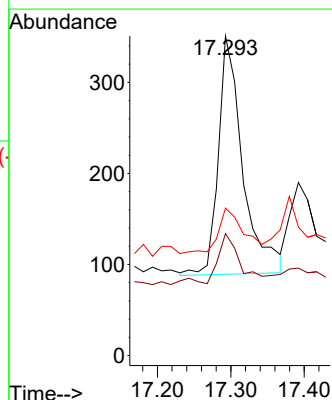
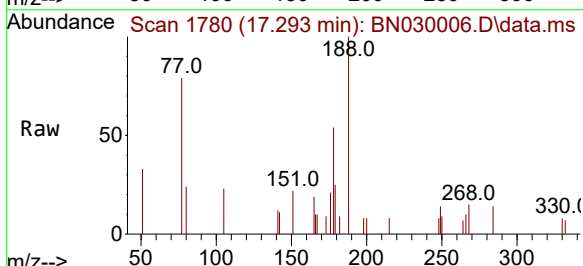
Tgt Ion:178 Resp: 604

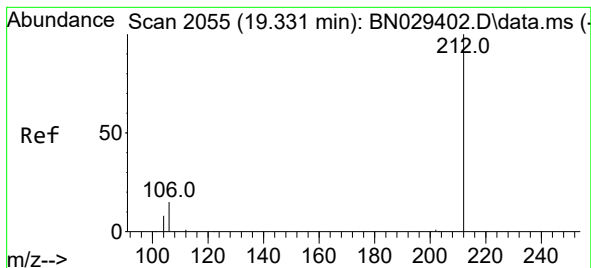
Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.6

179 17.9 12.6 19.0





#27

Fluoranthene-d10

Concen: 0.524 ng

RT: 19.290 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

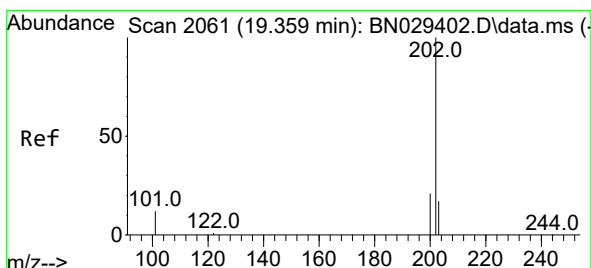
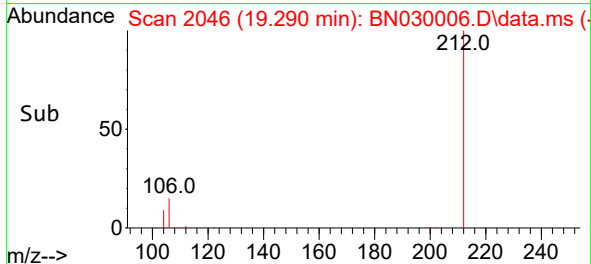
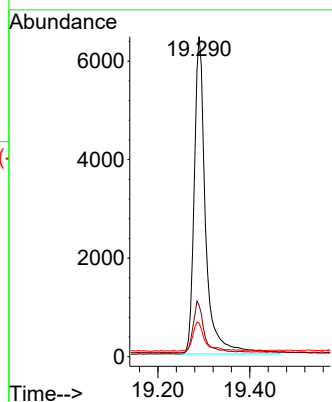
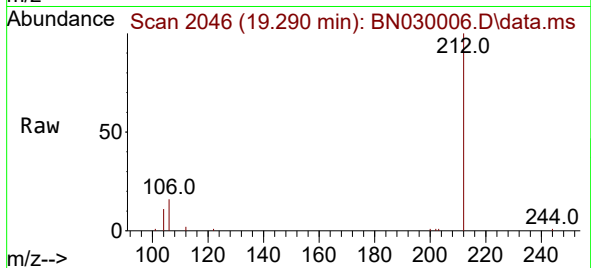
Tgt Ion:212 Resp: 11129

Ion Ratio Lower Upper

212 100

106 15.7 13.2 19.8

104 9.8 7.7 11.5



#28

Fluoranthene

Concen: 0.023 ng

RT: 19.317 min Scan# 2052

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

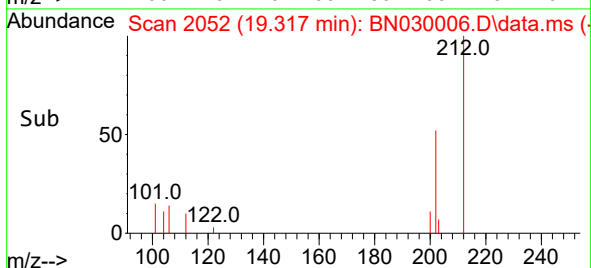
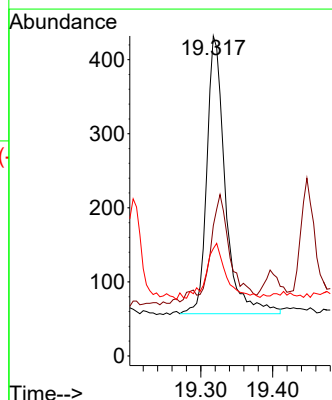
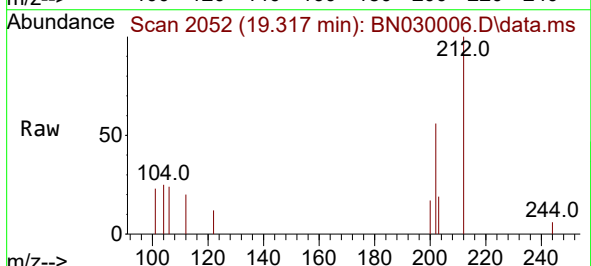
Tgt Ion:202 Resp: 662

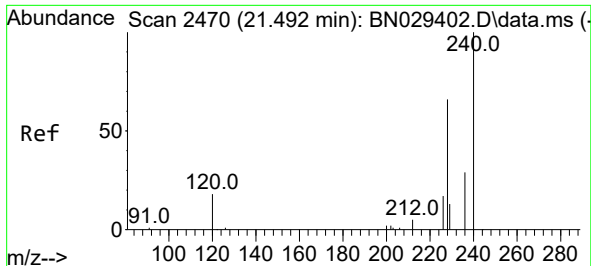
Ion Ratio Lower Upper

202 100

101 39.3 10.5 15.7#

203 20.8 13.5 20.3#

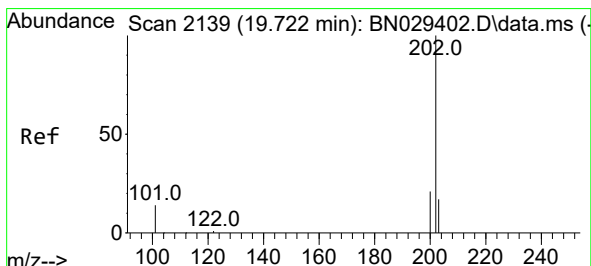
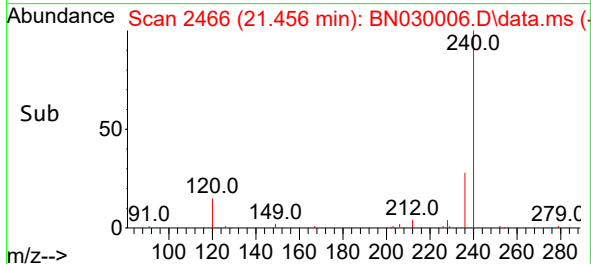
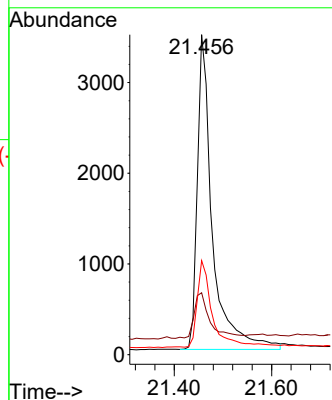
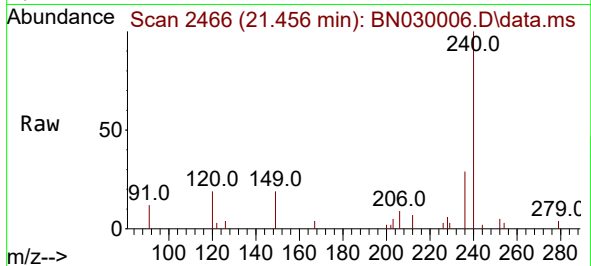




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.456 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

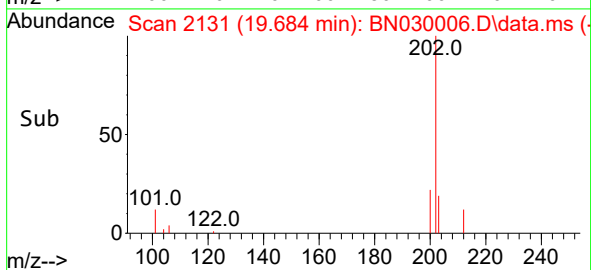
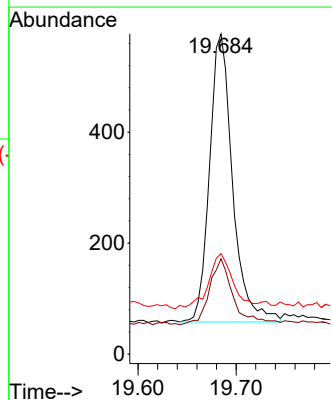
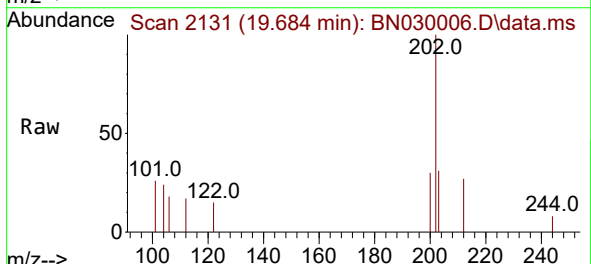
Instrument :
BNA_N
ClientSampleId :
RE132D2-20240214

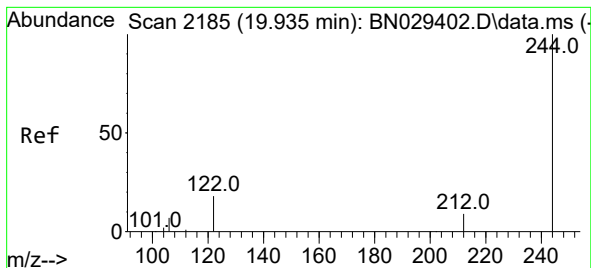
Tgt Ion:240 Resp: 7446
Ion Ratio Lower Upper
240 100
120 19.3 16.7 25.1
236 29.4 23.9 35.9



#30
Pyrene
Concen: 0.025 ng
RT: 19.684 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

Tgt Ion:202 Resp: 848
Ion Ratio Lower Upper
202 100
200 23.8 16.6 25.0
203 20.4 14.2 21.4





#31

Terphenyl-d14

Concen: 0.483 ng

RT: 19.898 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

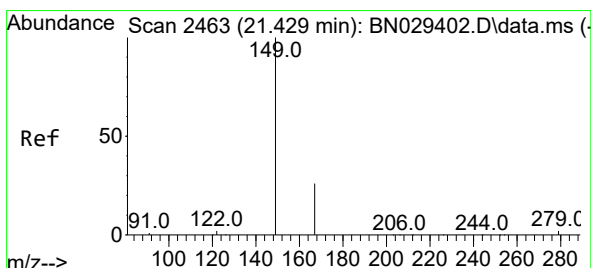
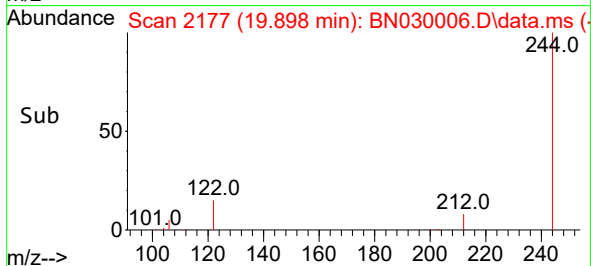
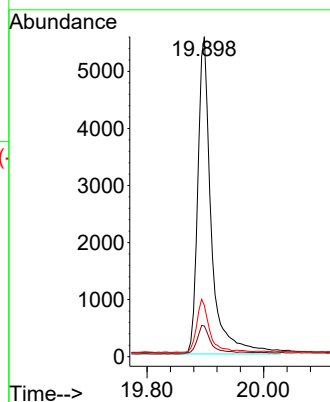
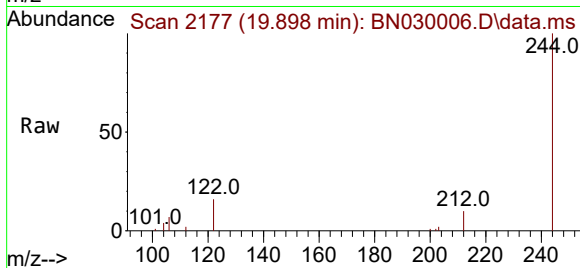
Tgt Ion:244 Resp: 8921

Ion Ratio Lower Upper

244 100

212 9.6 8.2 12.4

122 16.0 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.713 ng

RT: 21.385 min Scan# 2458

Delta R.T. 0.000 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

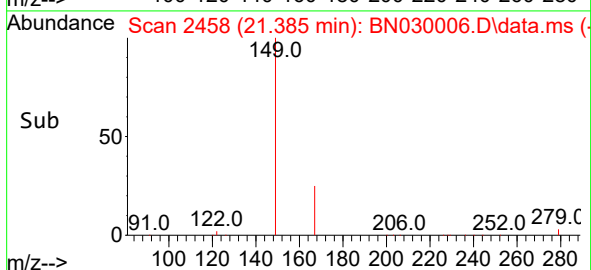
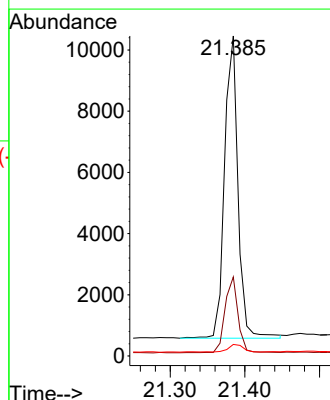
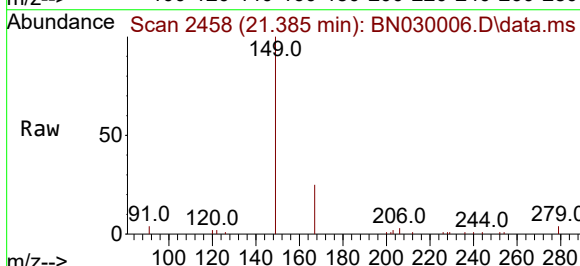
Tgt Ion:149 Resp: 12361

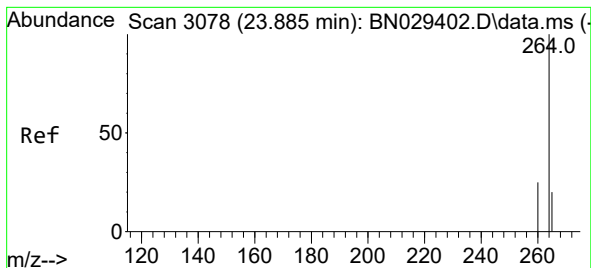
Ion Ratio Lower Upper

149 100

167 24.3 20.1 30.1

279 2.7 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.824 min Scan# 3078

Delta R.T. 0.003 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

Instrument :

BNA_N

ClientSampleId :

RE132D2-20240214

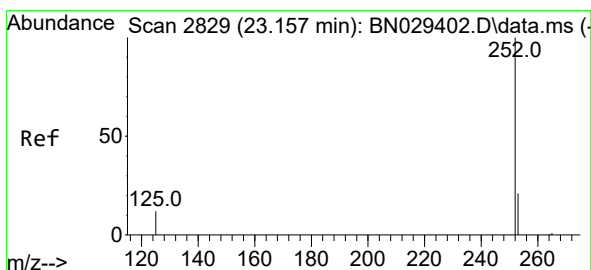
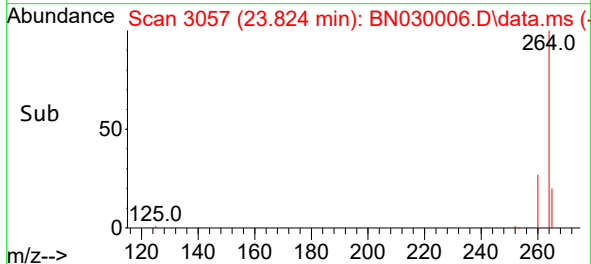
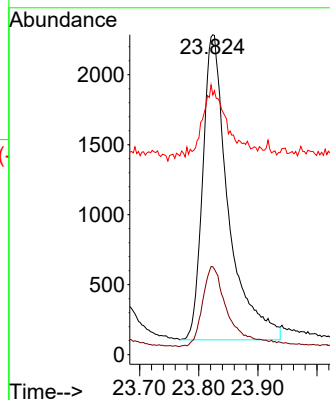
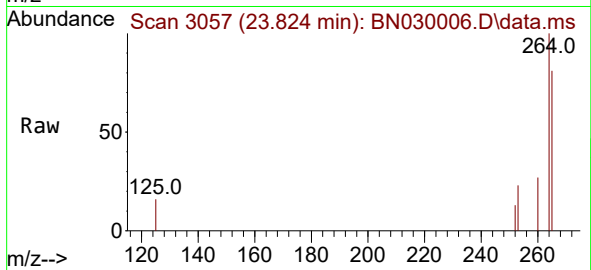
Tgt Ion:264 Resp: 6572

Ion Ratio Lower Upper

264 100

260 27.4 21.2 31.8

265 81.1 41.5 62.3#



#37

Benzo(b)fluoranthene

Concen: 0.026 ng

RT: 23.107 min Scan# 2812

Delta R.T. 0.009 min

Lab File: BN030006.D

Acq: 24 Feb 2024 23:20

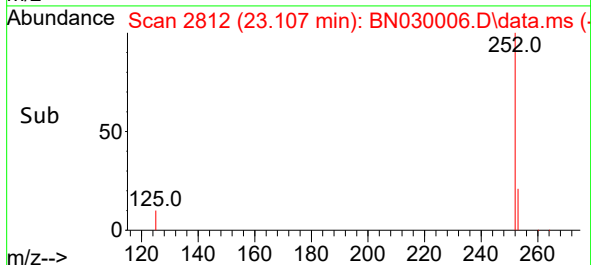
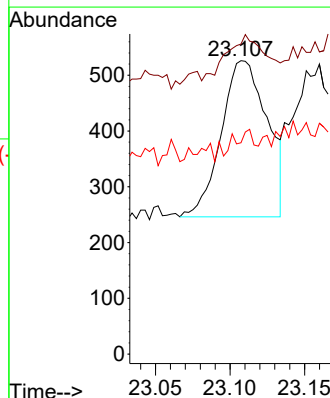
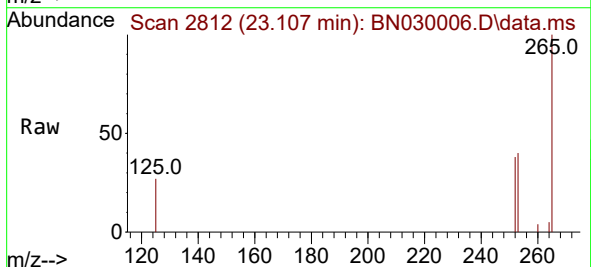
Tgt Ion:252 Resp: 602

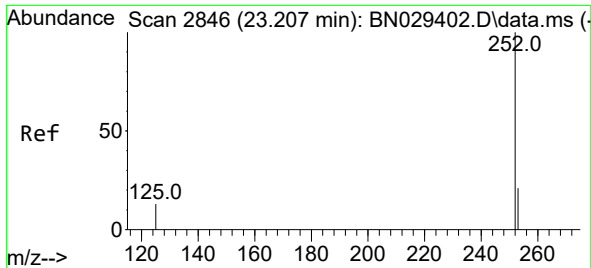
Ion Ratio Lower Upper

252 100

253 105.7 21.7 32.5#

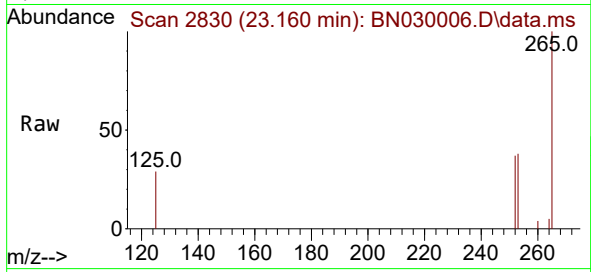
125 72.1 13.3 19.9#





#38
Benzo(k)fluoranthene
Concen: 0.025 ng
RT: 23.160 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN030006.D
Acq: 24 Feb 2024 23:20

Instrument :
BNA_N
ClientSampleId :
RE132D2-20240214



Tgt Ion:252 Resp: 622
Ion Ratio Lower Upper
252 100
253 104.2 21.8 32.8#
125 79.6 13.9 20.9#

