

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032725\
 Data File : BN036767.D
 Acq On : 28 Mar 2025 10:58
 Operator : RC/JU
 Sample : Q1608-13MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D1-20250318MSD

Quant Time: Mar 28 11:32:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

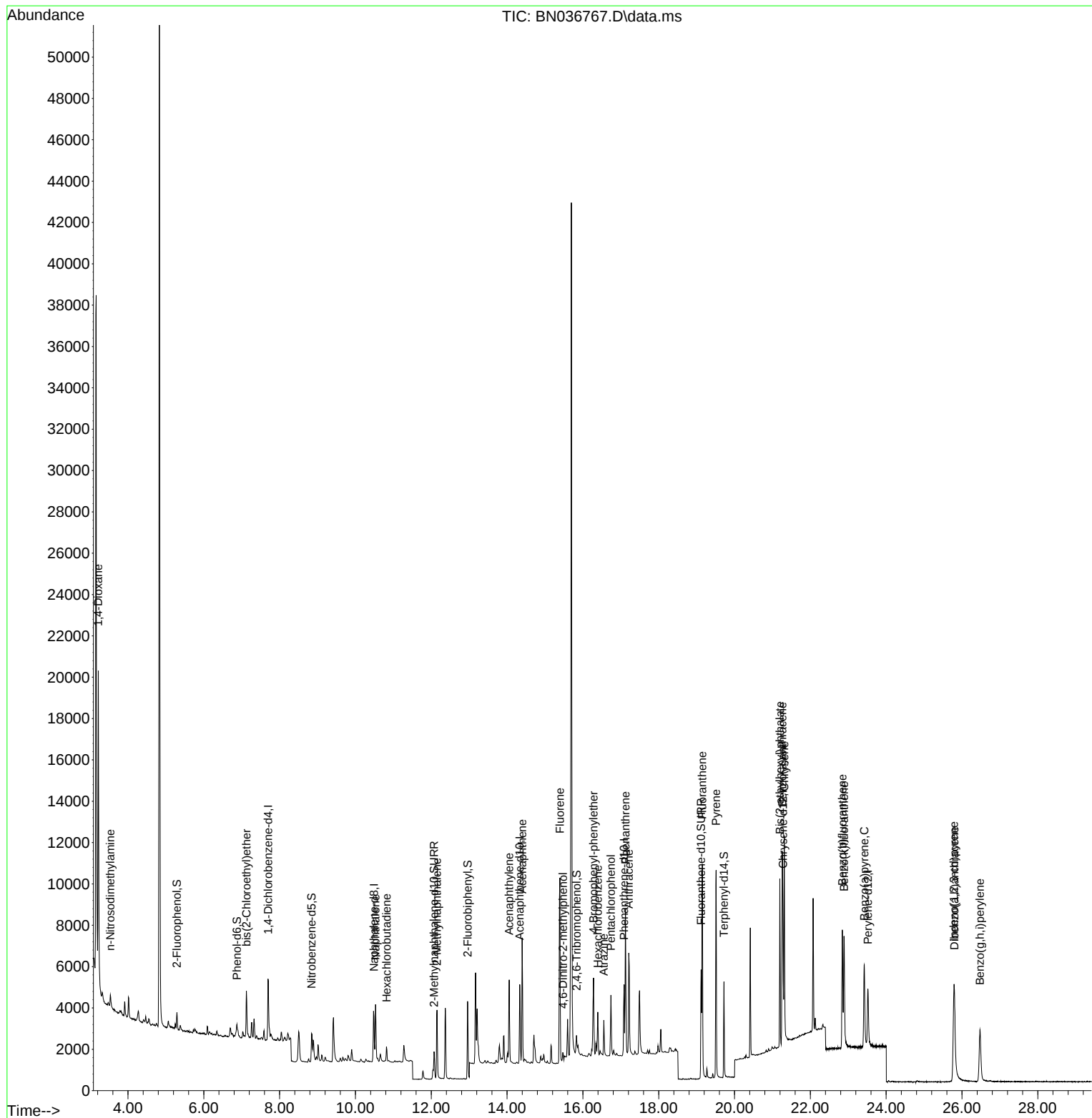
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.695	152	1372	0.400	ng	-0.03
7) Naphthalene-d8	10.487	136	3404	0.400	ng	#-0.02
13) Acenaphthene-d10	14.334	164	2163	0.400	ng	-0.03
19) Phenanthrene-d10	17.086	188	4733	0.400	ng	-0.02
29) Chrysene-d12	21.277	240	4518	0.400	ng	#-0.02
35) Perylene-d12	23.519	264	3998	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.290	112	599	0.187	ng	-0.02
5) Phenol-d6	6.872	99	451	0.114	ng	-0.03
8) Nitrobenzene-d5	8.843	82	1279	0.345	ng	-0.03
11) 2-Methylnaphthalene-d10	12.075	152	1977	0.390	ng	-0.04
14) 2,4,6-Tribromophenol	15.833	330	503	0.512	ng	-0.02
15) 2-Fluorobiphenyl	12.958	172	4700	0.374	ng	-0.03
27) Fluoranthene-d10	19.118	212	5965	0.492	ng	-0.02
31) Terphenyl-d14	19.722	244				

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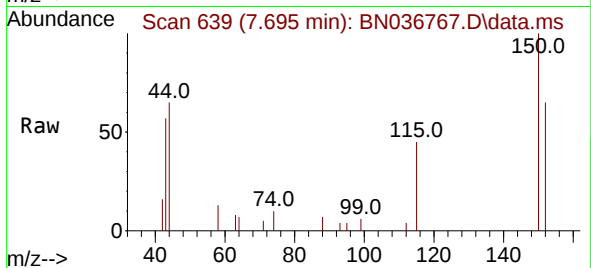
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration



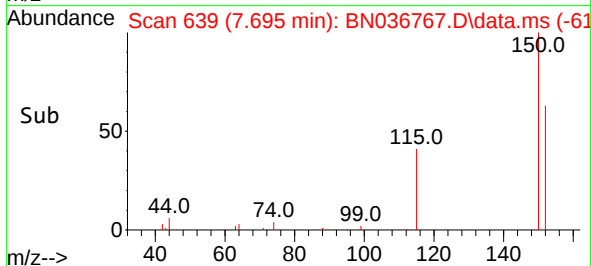
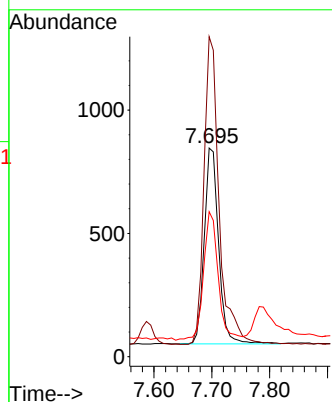


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.695 min Scan# 61
 Delta R.T. -0.029 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

Instrument :
 BNA_N
 ClientSampleId :
 RE132D1-20250318MSD

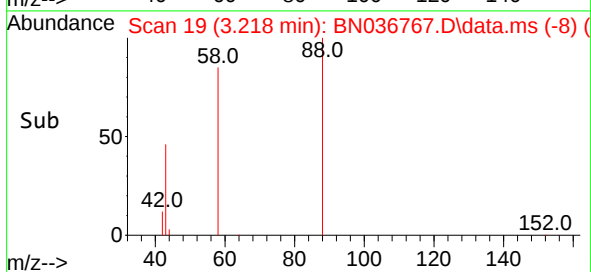
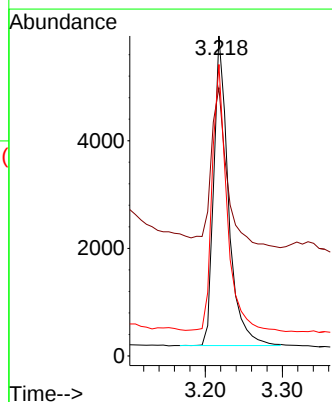
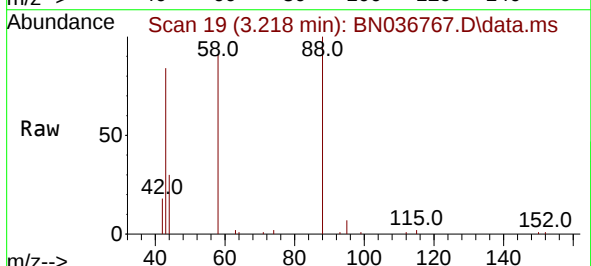


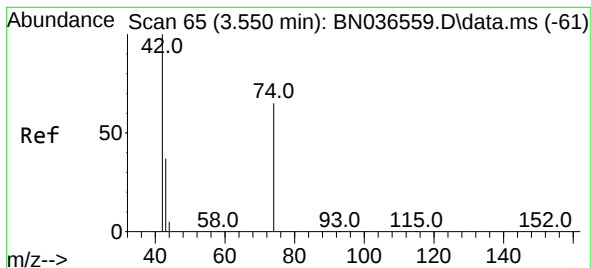
Tgt Ion:152 Resp: 1372
 Ion Ratio Lower Upper
 152 100
 150 153.4 123.7 185.5
 115 69.5 54.3 81.5



#2
 1,4-Dioxane
 Concen: 4.984 ng
 RT: 3.218 min Scan# 19
 Delta R.T. -0.021 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

Tgt Ion: 88 Resp: 7586
 Ion Ratio Lower Upper
 88 100
 43 57.7 37.8 56.8#
 58 86.3 67.4 101.2





#3

n-Nitrosodimethylamine

Concen: 0.166 ng

RT: 3.535 min Scan# 61

Delta R.T. -0.014 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

Instrument :

BNA_N

ClientSampleId :

RE132D1-20250318MSD

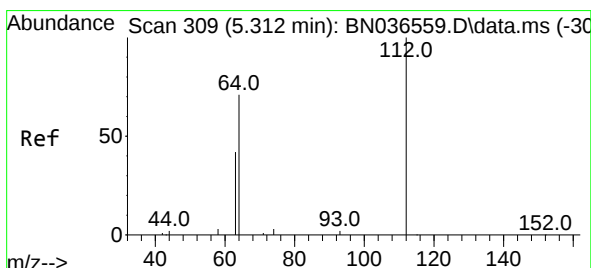
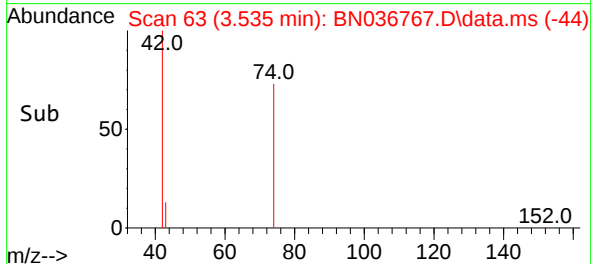
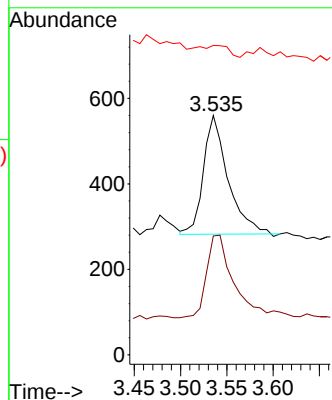
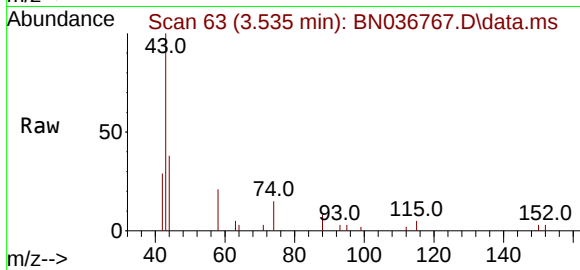
Tgt Ion: 42 Resp: 511

Ion Ratio Lower Upper

42 100

74 77.9 60.6 90.8

44 0.0 6.3 9.5#



#4

2-Fluorophenol

Concen: 0.187 ng

RT: 5.290 min Scan# 306

Delta R.T. -0.022 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

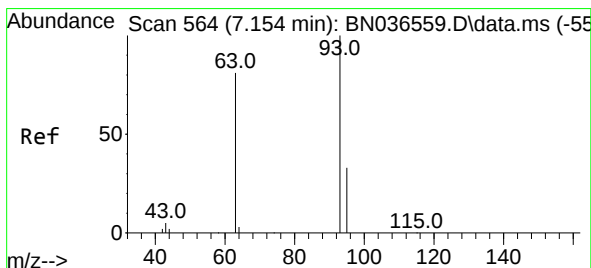
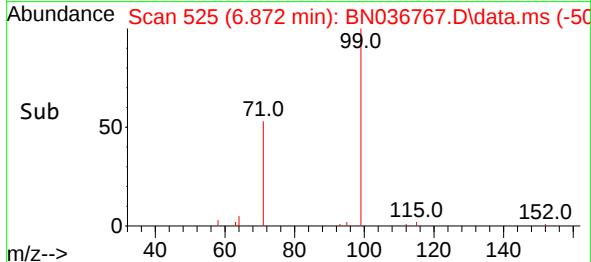
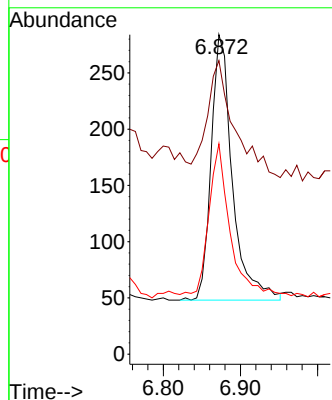
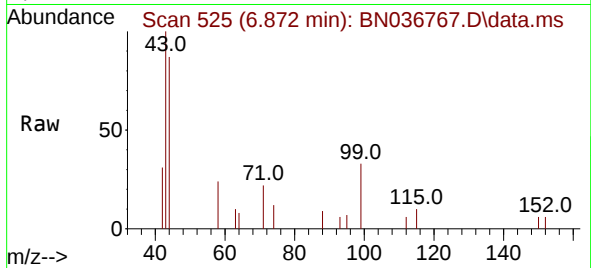
Tgt Ion: 112 Resp: 599



#5
Phenol-d6
Concen: 0.114 ng
RT: 6.872 min Scan# 51
Delta R.T. -0.029 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

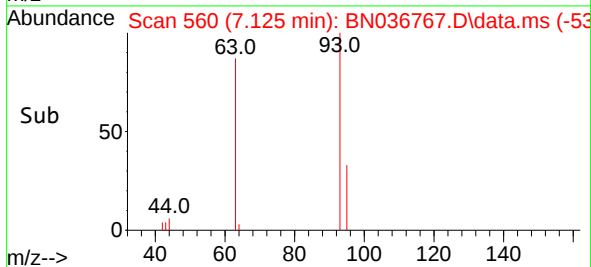
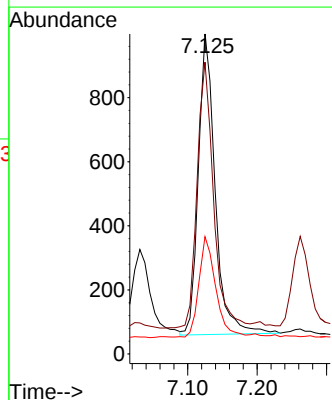
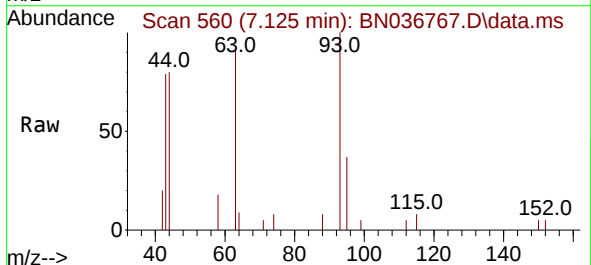
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion: 99 Resp: 451
Ion Ratio Lower Upper
99 100
42 57.0 26.5 39.7#
71 57.2 34.1 51.1#



#6
bis(2-Chloroethyl)ether
Concen: 0.387 ng
RT: 7.125 min Scan# 560
Delta R.T. -0.029 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion: 93 Resp: 1581
Ion Ratio Lower Upper
93 100
63 86.4 67.7 101.5
95 33.2 25.6 38.4

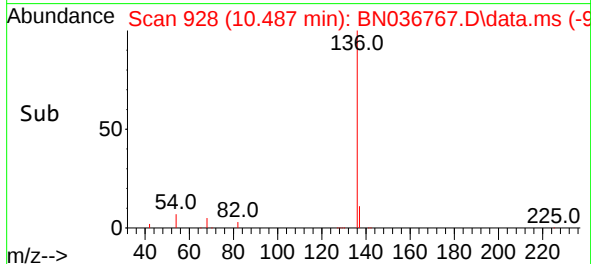
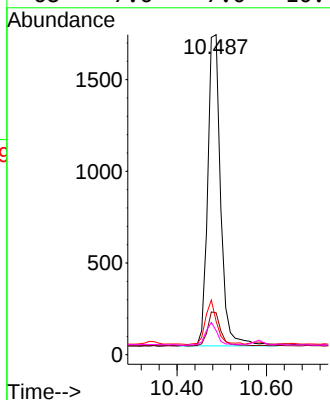
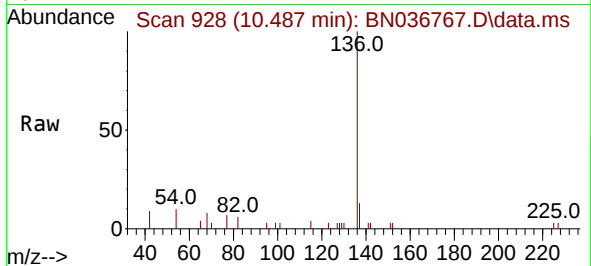




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.487 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

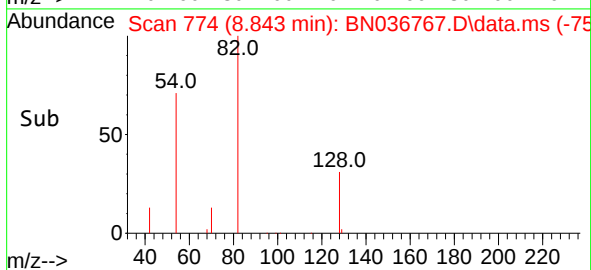
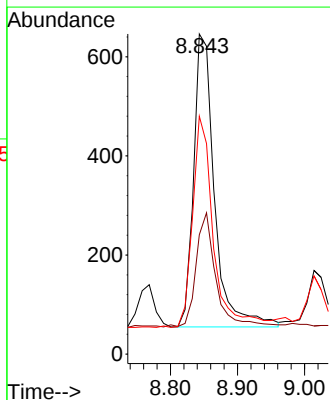
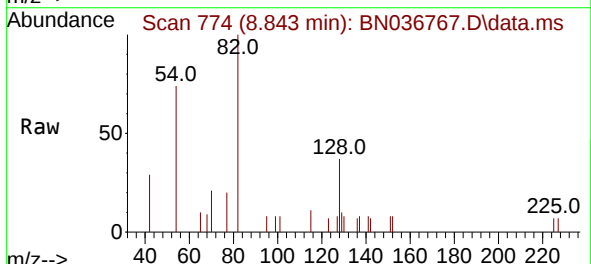
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:	136	Resp:	3404
Ion Ratio	Lower	Upper	
136	100		
137	13.1	10.3	15.5
54	10.5	11.5	17.3#
68	7.6	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.345 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.032 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:	82	Resp:	1279
Ion Ratio	Lower	Upper	
82	100		
128	37.3	30.6	45.8
54	74.3	52.2	78.4

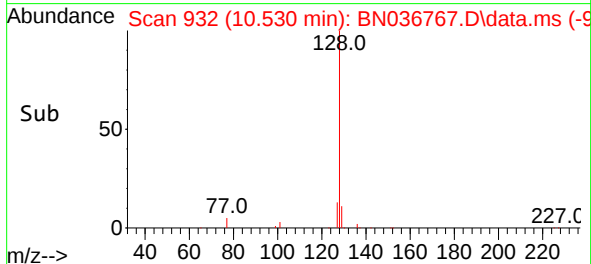
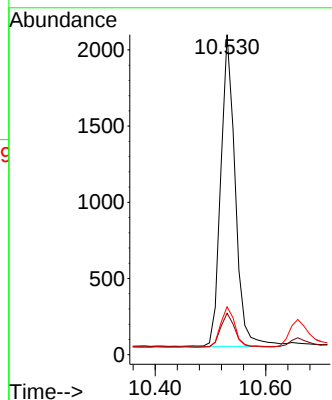
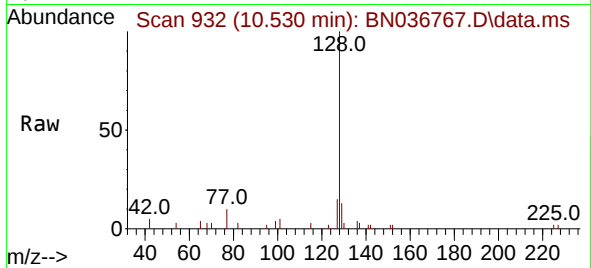




#9
Naphthalene
Concen: 0.370 ng
RT: 10.530 min Scan# 91
Delta R.T. -0.032 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

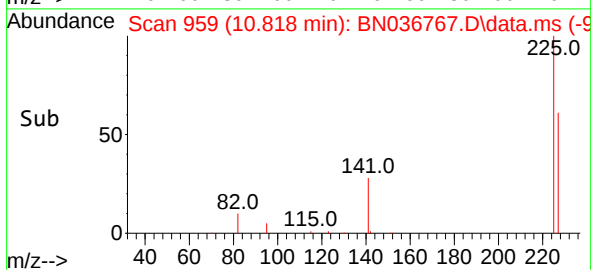
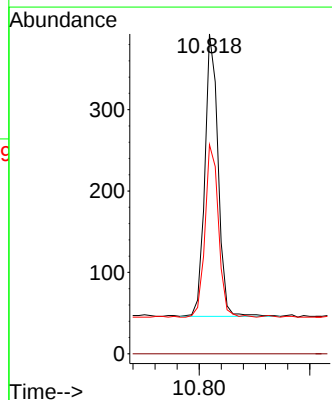
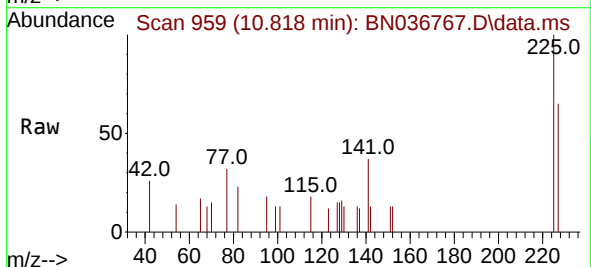
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:128 Resp: 3708
Ion Ratio Lower Upper
128 100
129 13.0 9.8 14.6
127 15.0 11.8 17.8



#10
Hexachlorobutadiene
Concen: 0.247 ng
RT: 10.818 min Scan# 959
Delta R.T. -0.032 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:225 Resp: 581
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 62.1 51.8 77.8

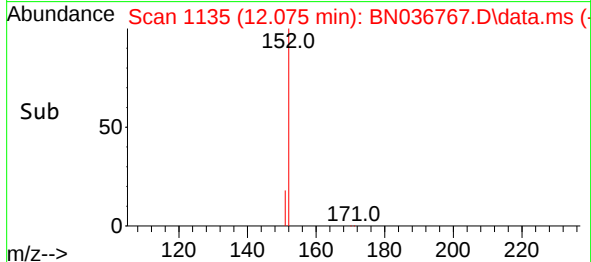
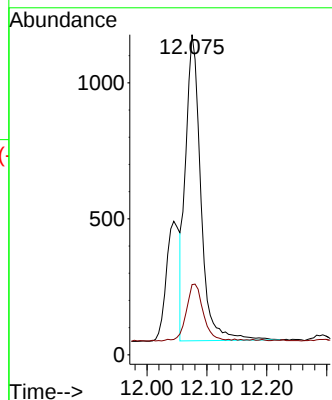
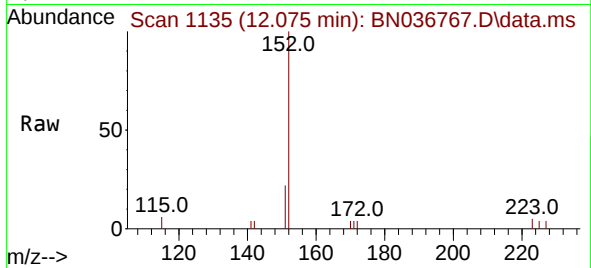




#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.075 min Scan# 1135
Delta R.T. -0.036 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

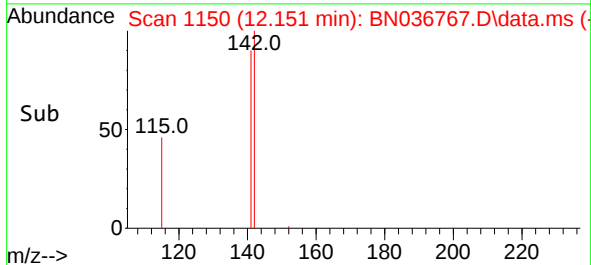
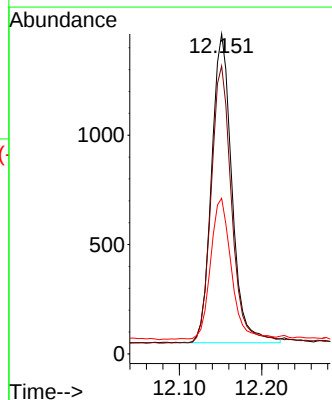
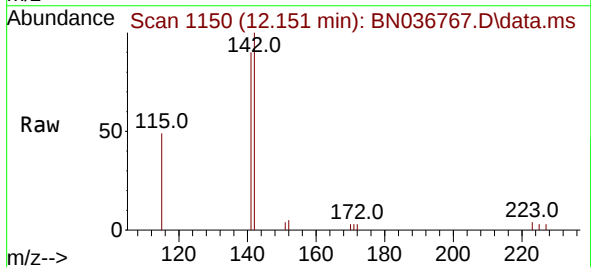
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ClientSampleId :
RE132D1-20250318MSD

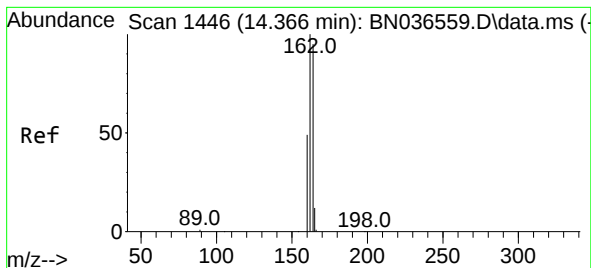
Tgt Ion:152 Resp: 1977
Ion Ratio Lower Upper
152 100
151 20.6 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 12.151 min Scan# 1150
Delta R.T. -0.030 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:142 Resp: 2426
Ion Ratio Lower Upper
142 100
141 90.0 71.7 107.5
115 48.7 38.3 57.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.334 min Scan# 1443

Delta R.T. -0.032 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

Instrument :

BNA_N

ClientSampleId :

RE132D1-20250318MSD

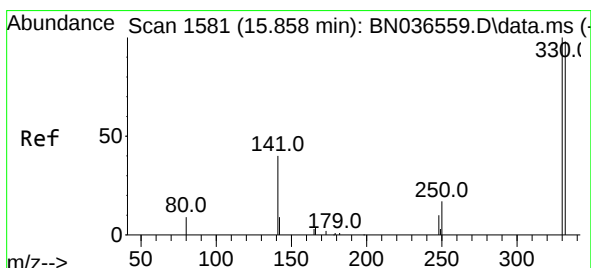
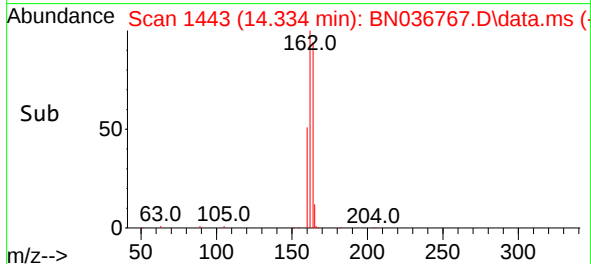
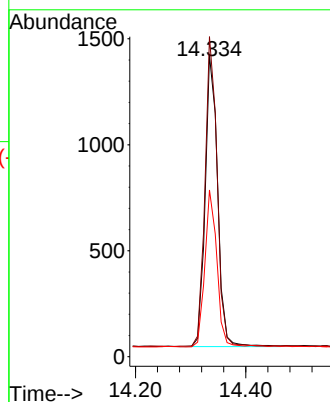
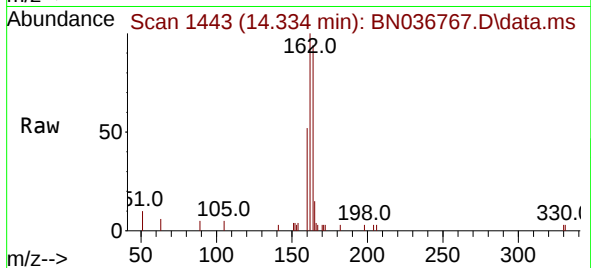
Tgt Ion:164 Resp: 2163

Ion Ratio Lower Upper

164 100

162 106.2 84.2 126.2

160 55.3 42.2 63.2



#14

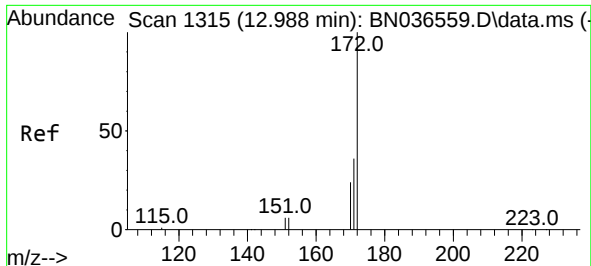
2,4,6-Tribromophenol

Concen: 0.512 ng

RT: 15.833 min Scan# 1579

Delta R.T. -0.025 min

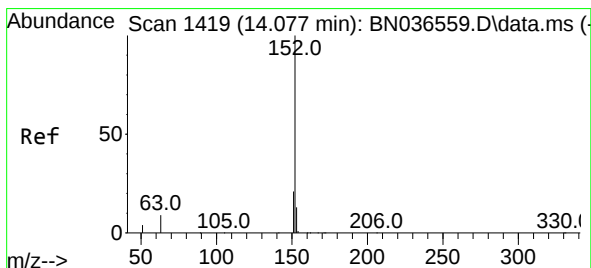
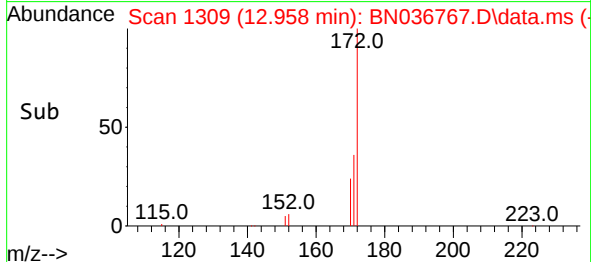
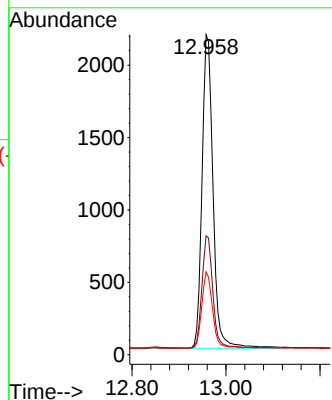
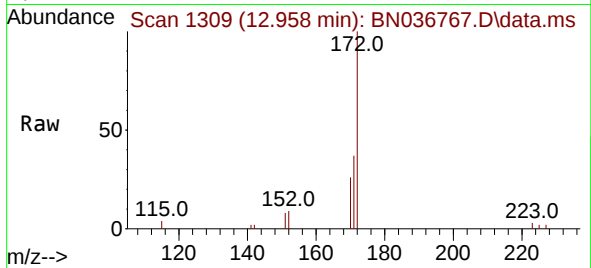
Lab File: BN036767.D



#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 12.958 min Scan# 11
Delta R.T. -0.030 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

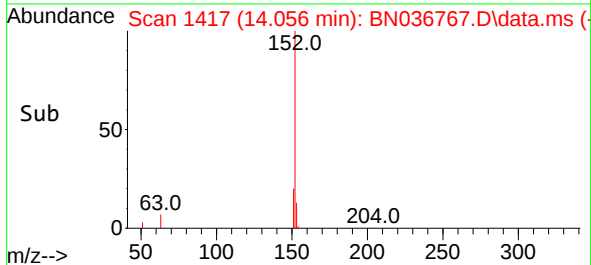
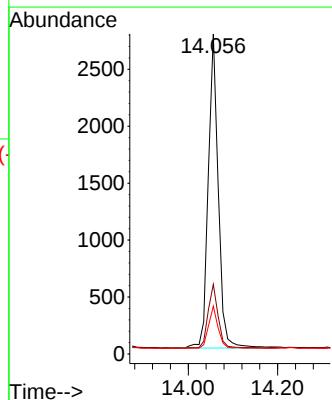
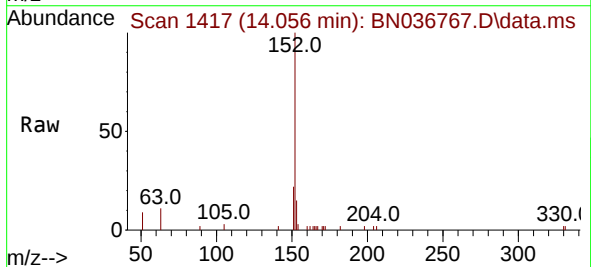
Instrument :
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RE132D1-20250318MSD

Tgt Ion:	172	Resp:	4700
Ion Ratio	Lower	Upper	
172	100		
171	37.2	29.5	44.3
170	25.9	20.2	30.4



#16
Acenaphthylene
Concen: 0.418 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.021 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:	152	Resp:	4270
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.2	24.4
153	13.1	10.6	15.8

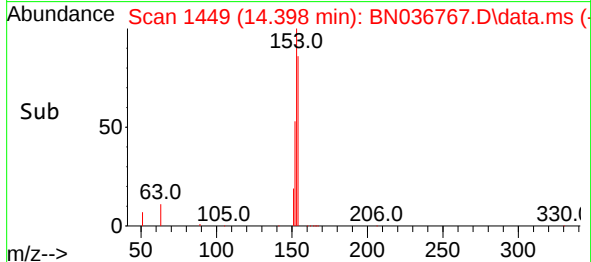
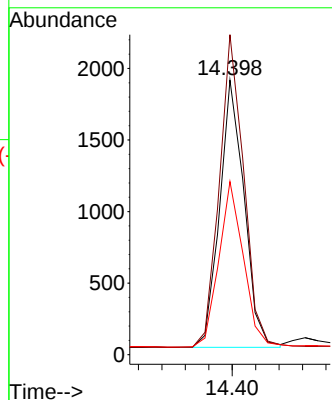
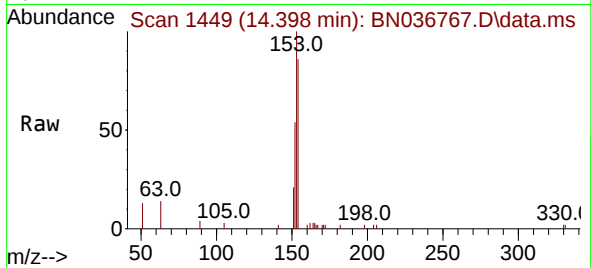




#17
Acenaphthene
Concen: 0.405 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.032 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

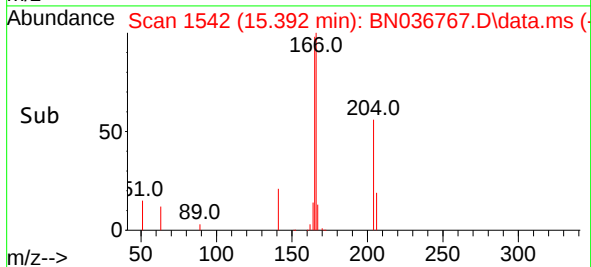
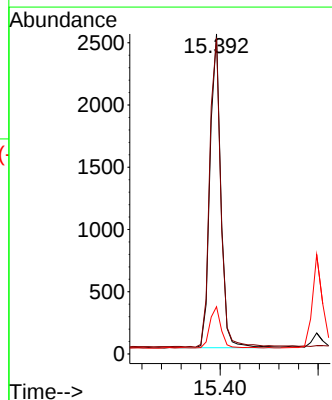
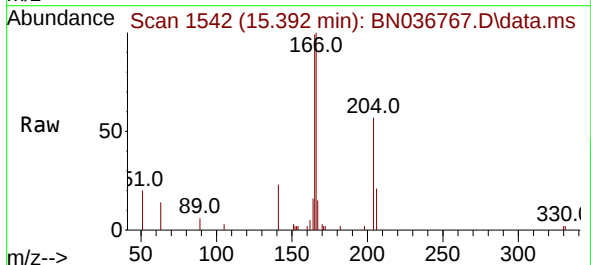
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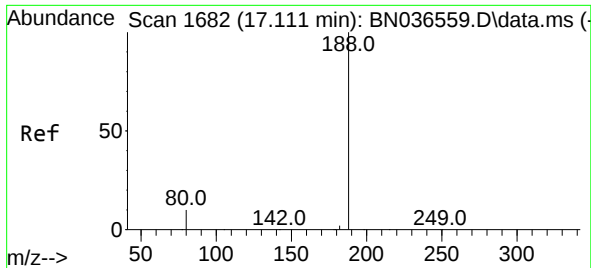
Tgt Ion:154 Resp: 2708
Ion Ratio Lower Upper
154 100
153 117.7 94.1 141.1
152 63.2 49.8 74.6



#18
Fluorene
Concen: 0.431 ng
RT: 15.392 min Scan# 1542
Delta R.T. -0.021 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:166 Resp: 3898
Ion Ratio Lower Upper
166 100
165 100.9 79.8 119.8
167 13.4 10.6 15.8

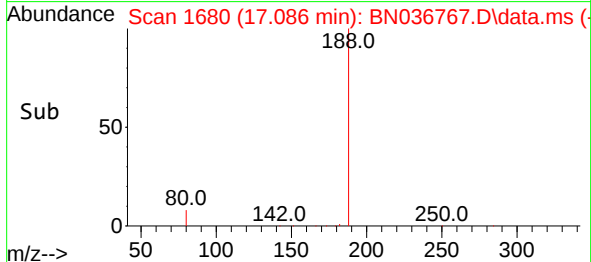
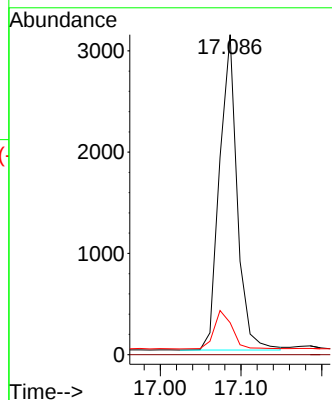
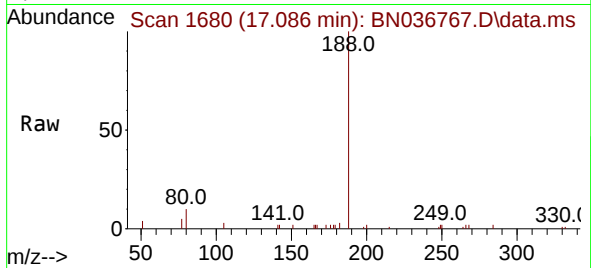




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

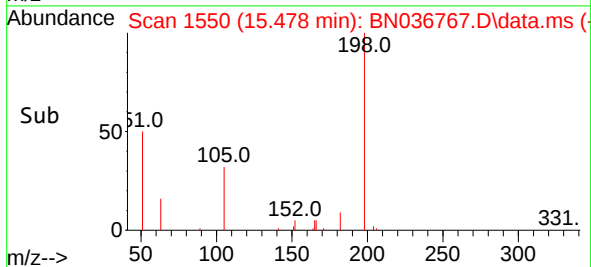
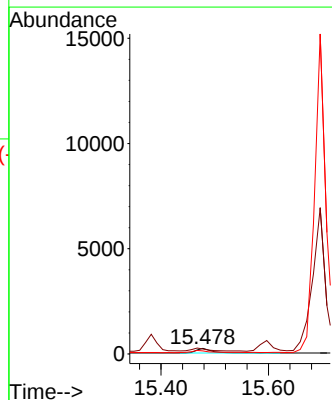
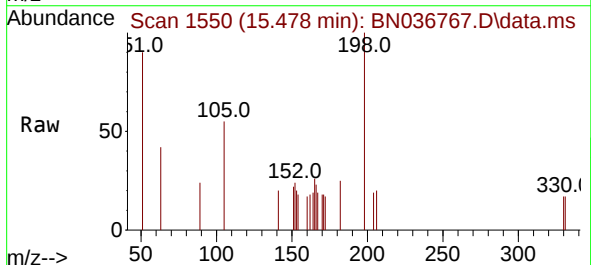
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

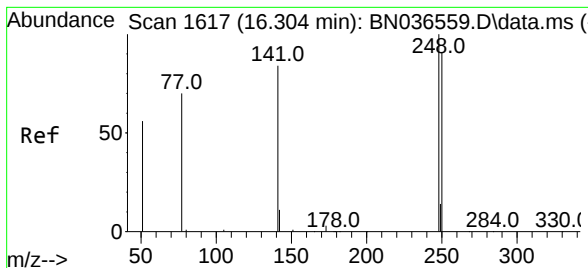
Tgt Ion:188 Resp: 4733
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 8.8 13.2



#20
4,6-Dinitro-2-methylphenol
Concen: 0.541 ng
RT: 15.478 min Scan# 1550
Delta R.T. -0.021 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:198 Resp: 479
Ion Ratio Lower Upper
198 100
51 90.2 107.9 161.9#
105 55.1 56.2 84.2#

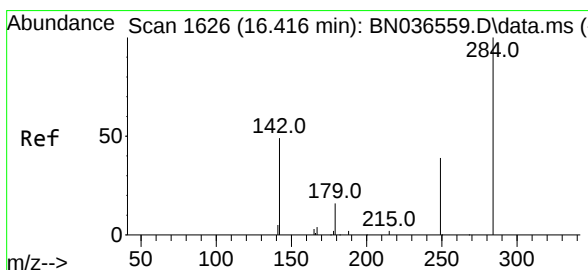
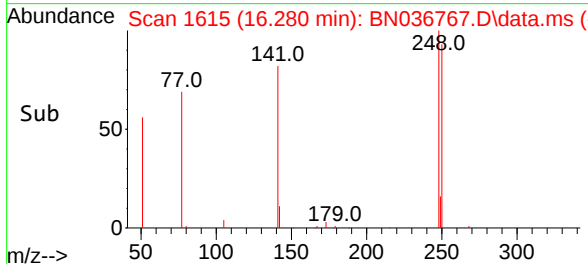
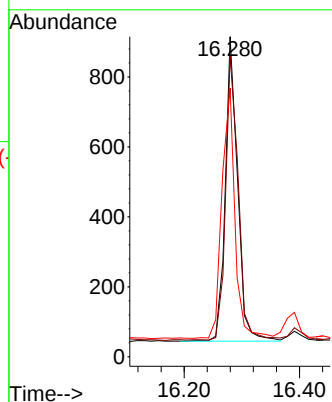
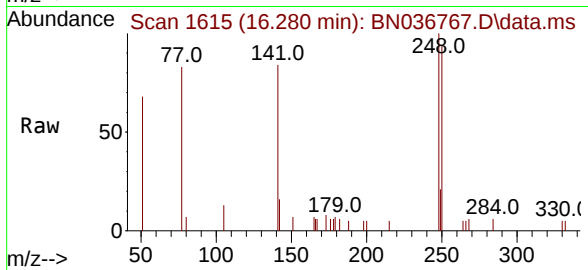




#21
4-Bromophenyl-phenylether
Concen: 0.435 ng
RT: 16.280 min Scan# 1615
Delta R.T. -0.025 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

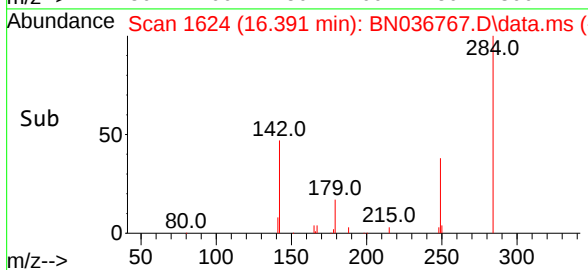
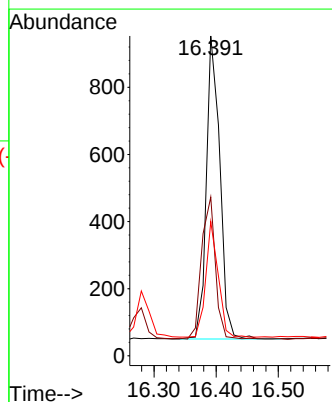
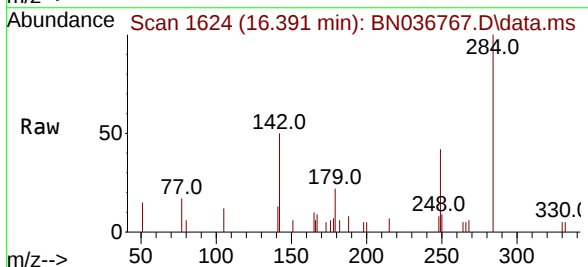
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:248 Resp: 1289
Ion Ratio Lower Upper
248 100
250 94.0 73.0 109.6
141 83.9 68.6 103.0



#22
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.391 min Scan# 1624
Delta R.T. -0.025 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:284 Resp: 1368
Ion Ratio Lower Upper
284 100
142 48.3 37.0 55.4
249 34.9 28.1 42.1

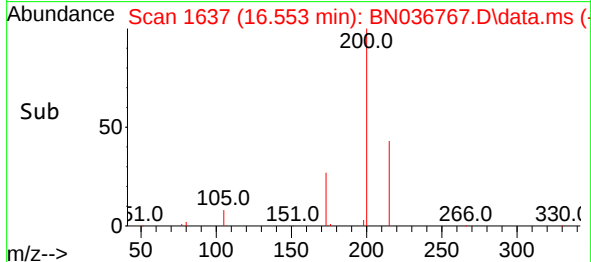
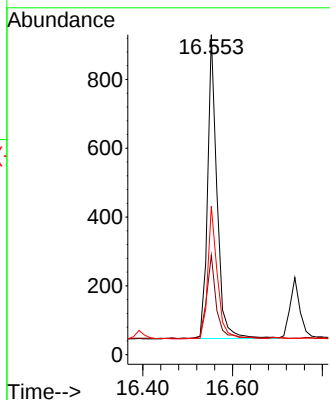
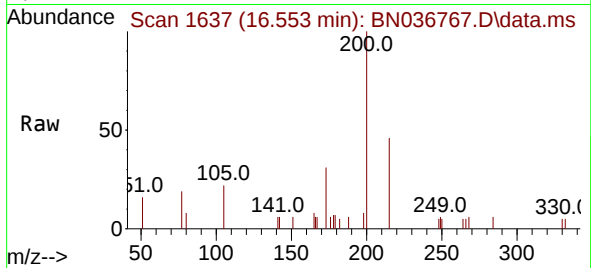




#23
 Atrazine
 Concen: 0.534 ng
 RT: 16.553 min Scan# 1637
 Delta R.T. -0.025 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

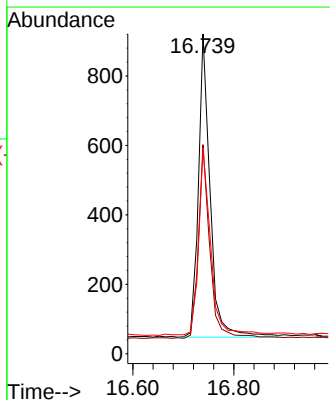
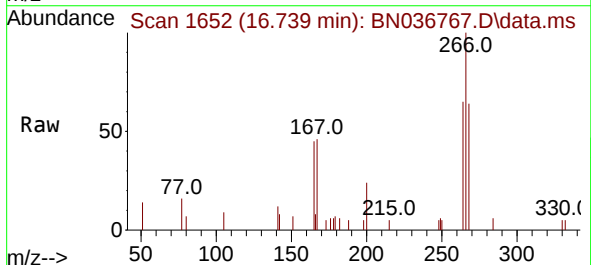
Instrument :
 BNA_N
 ClientSampleId :
 RE132D1-20250318MSD

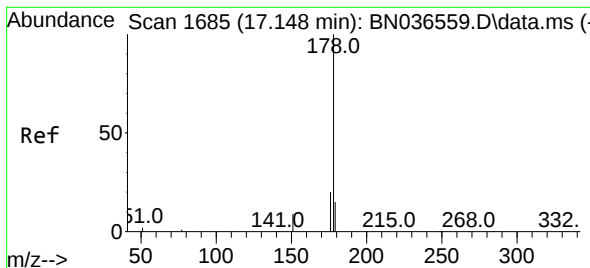
Tgt Ion:200 Resp: 1270
 Ion Ratio Lower Upper
 200 100
 173 31.1 27.3 40.9
 215 46.3 36.8 55.2



#24
 Pentachlorophenol
 Concen: 0.865 ng
 RT: 16.739 min Scan# 1652
 Delta R.T. -0.037 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

Tgt Ion:266 Resp: 1413
 Ion Ratio Lower Upper
 266 100
 264 62.5 49.6 74.4
 268 62.2 50.9 76.3





#25

Phenanthrene

Concen: 0.495 ng

RT: 17.124 min Scan# 1683

Delta R.T. -0.025 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

Instrument :

BNA_N

ClientSampleId :

RE132D1-20250318MSD

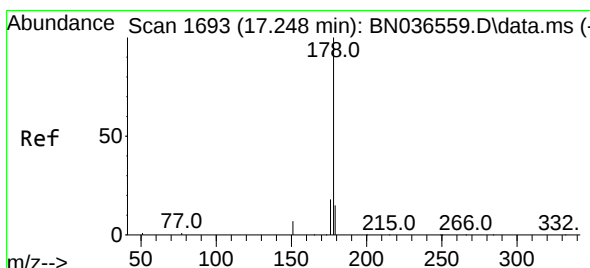
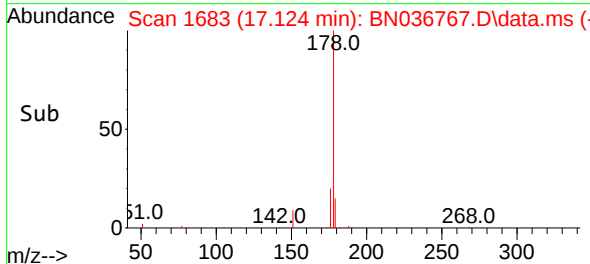
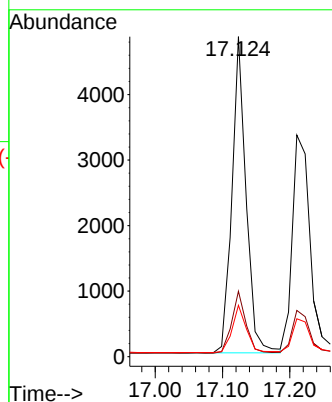
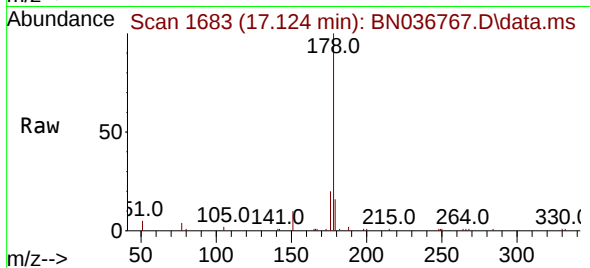
Tgt Ion:178 Resp: 7035

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

179 15.1 12.2 18.4



#26

Anthracene

Concen: 0.484 ng

RT: 17.210 min Scan# 1690

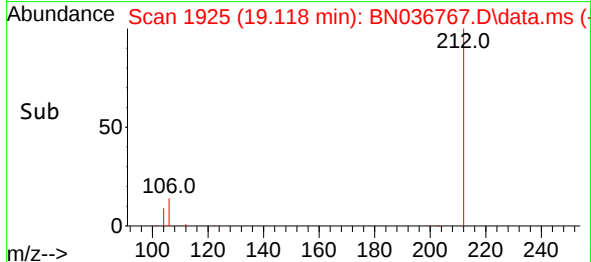
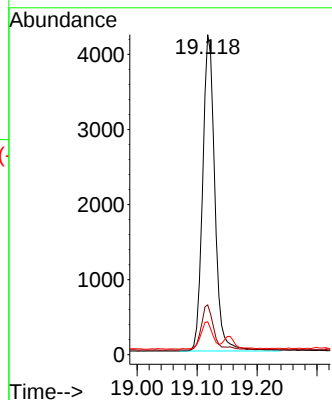
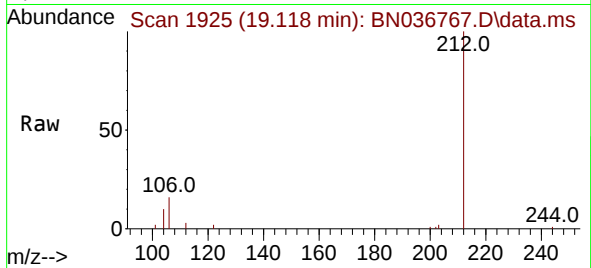
Delta R.T. -



#27
Fluoranthene-d10
Concen: 0.492 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.023 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

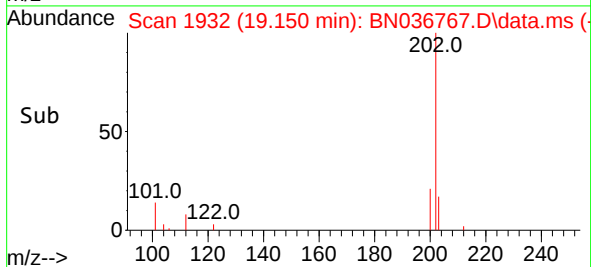
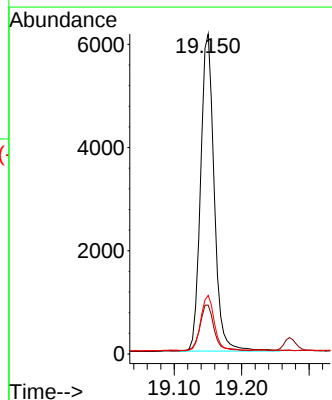
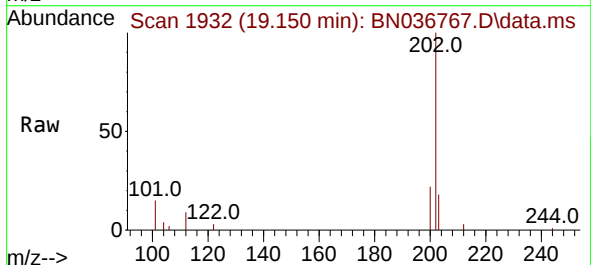
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

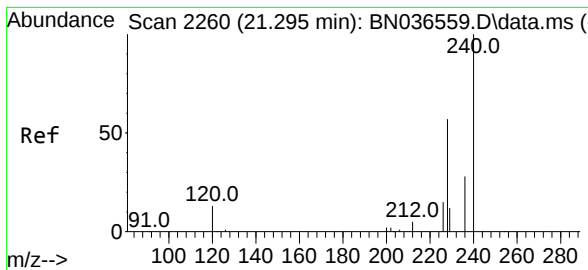
Tgt Ion:212 Resp: 5965
Ion Ratio Lower Upper
212 100
106 15.0 11.8 17.6
104 8.4 7.3 10.9



#28
Fluoranthene
Concen: 0.538 ng
RT: 19.150 min Scan# 1932
Delta R.T. -0.023 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:202 Resp: 8585
Ion Ratio Lower Upper
202 100
101 15.4 9.4 14.0#
203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.277 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

Instrument :

BNA_N

ClientSampleId :

RE132D1-20250318MSD

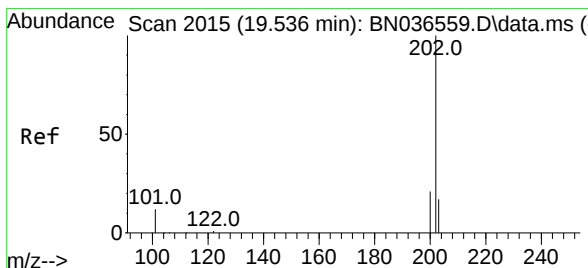
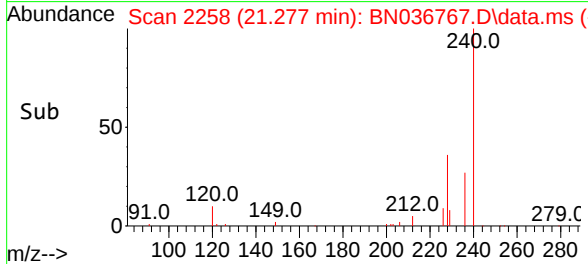
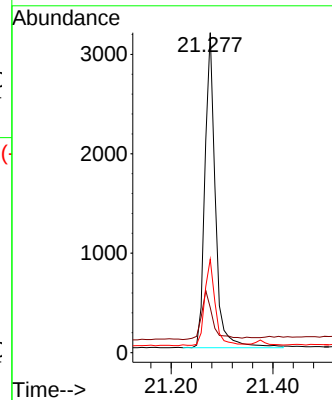
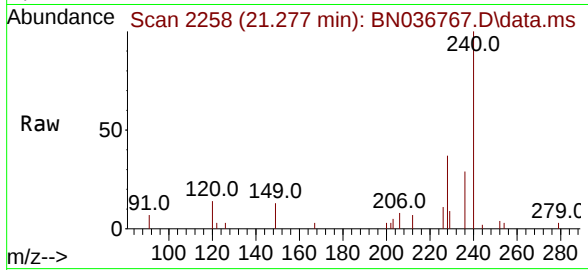
Tgt Ion:240 Resp: 4518

Ion Ratio Lower Upper

240 100

120 14.1 14.6 22.0#

236 29.2 24.1 36.1



#30

Pyrene

Concen: 0.412 ng

RT: 19.513 min Scan# 2010

Delta R.T. -0.023 min

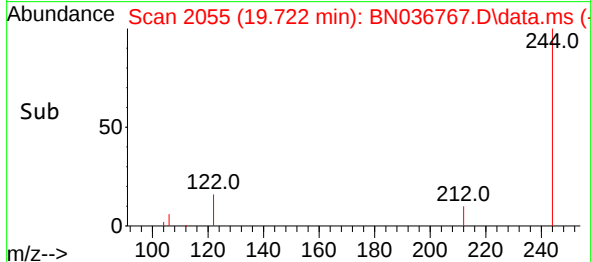
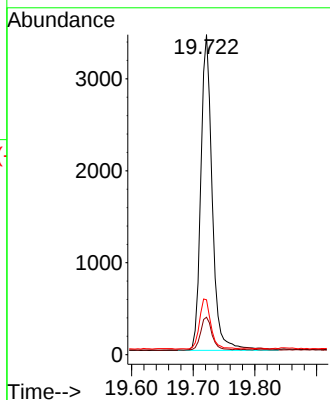
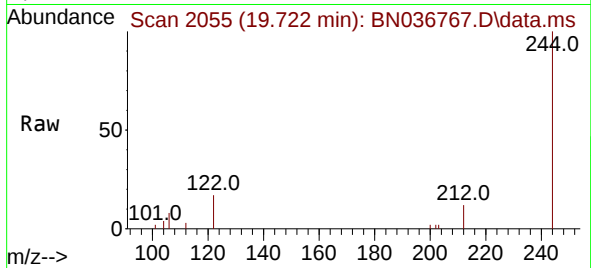
Lab File: BN036



#31
 Terphenyl-d14
 Concen: 0.408 ng
 RT: 19.722 min Scan# 2060
 Delta R.T. -0.023 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

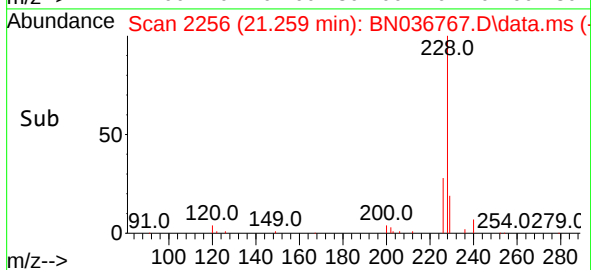
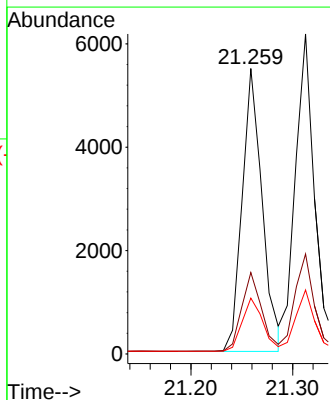
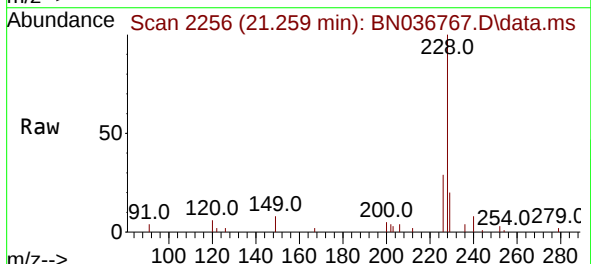
Instrument :
 BNA_N
 ClientSampleId :
 RE132D1-20250318MSD

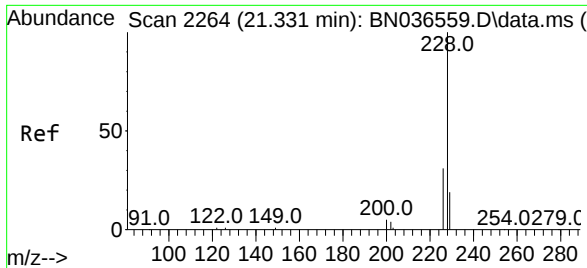
Tgt Ion:244 Resp: 4416
 Ion Ratio Lower Upper
 244 100
 212 11.7 9.6 14.4
 122 17.2 13.9 20.9



#32
 Benzo(a)anthracene
 Concen: 0.475 ng
 RT: 21.259 min Scan# 2256
 Delta R.T. -0.027 min
 Lab File: BN036767.D
 Acq: 28 Mar 2025 10:58

Tgt Ion:228 Resp: 7461
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.5 33.7
 229 19.5 16.6 25.0

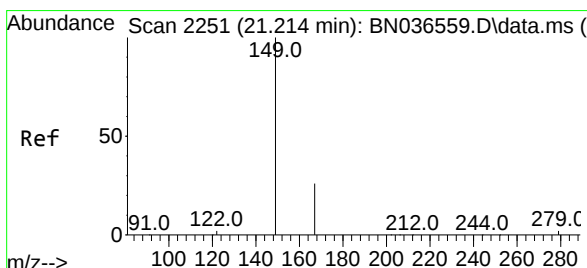
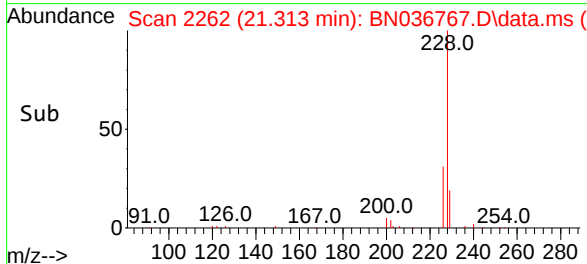
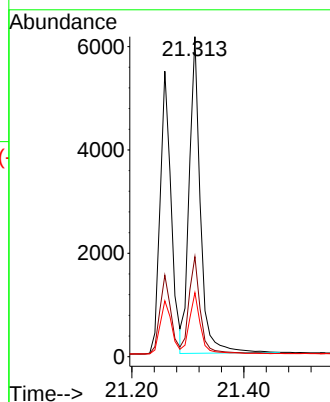
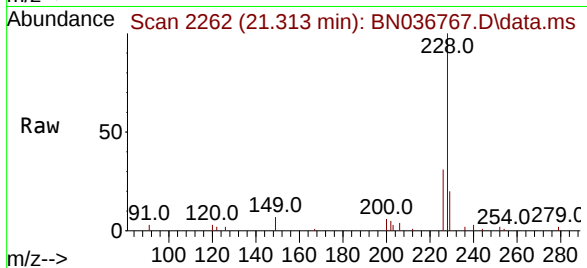




#33
Chrysene
Concen: 0.494 ng
RT: 21.313 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

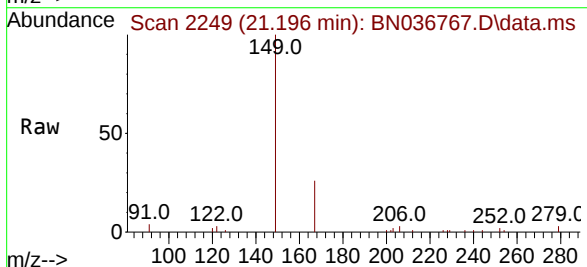
Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

Tgt Ion:228 Resp: 8472
Ion Ratio Lower Upper
228 100
226 31.3 25.3 37.9
229 20.0 15.8 23.8



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.597 ng
RT: 21.196 min Scan# 2249
Delta R.T. -0.018 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

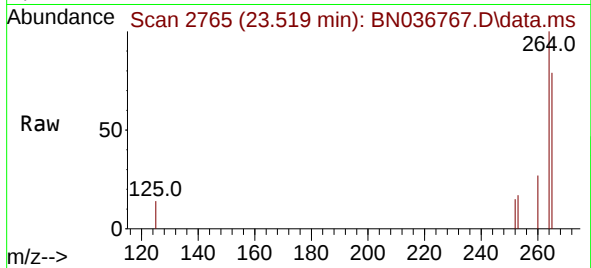
Tgt Ion:149 Resp: 6683
Ion Ratio Lower Upper
149 100
167 25.1 20.7 31.1
279 2.9 3.6 5.4#



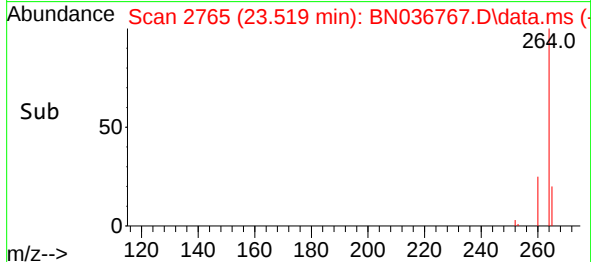
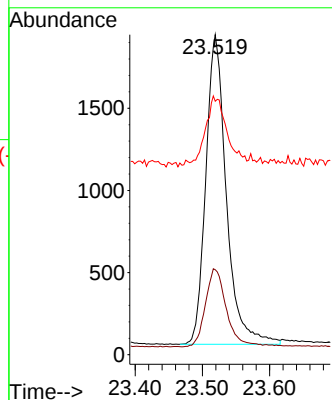


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 21
Delta R.T. -0.035 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

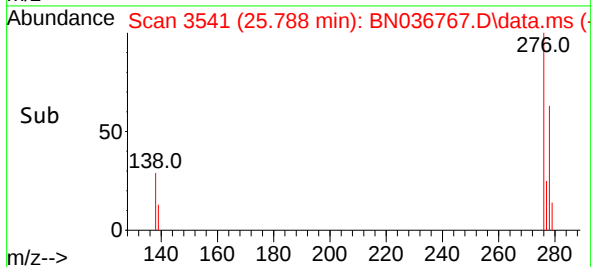
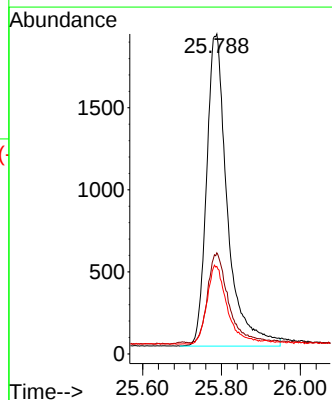
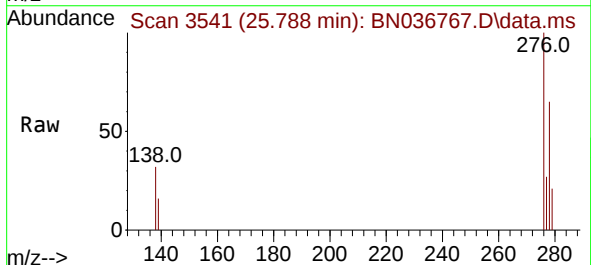


Tgt Ion:264 Resp: 3998
Ion Ratio Lower Upper
264 100
260 26.6 22.6 33.8
265 79.2 88.1 132.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.483 ng
RT: 25.788 min Scan# 3541
Delta R.T. -0.050 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

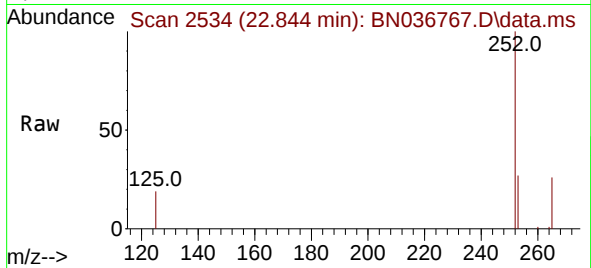
Tgt Ion:276 Resp: 6976
Ion Ratio Lower Upper
276 100
138 29.0 23.4 35.2
277 24.6 20.0 30.0



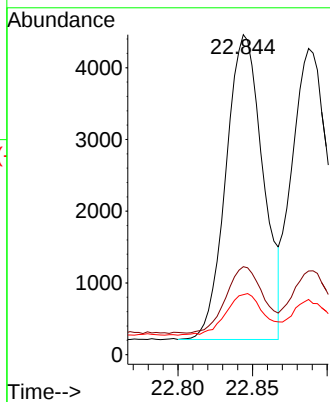
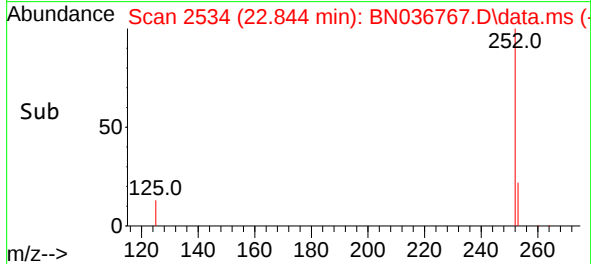


#37
Benzo(b)fluoranthene
Concen: 0.505 ng
RT: 22.844 min Scan# 2549
Delta R.T. -0.029 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD

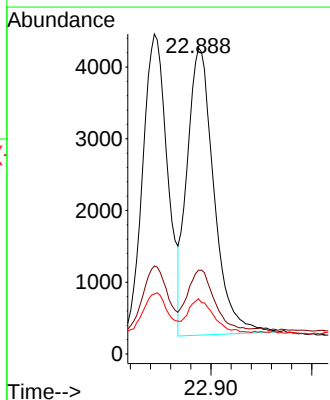
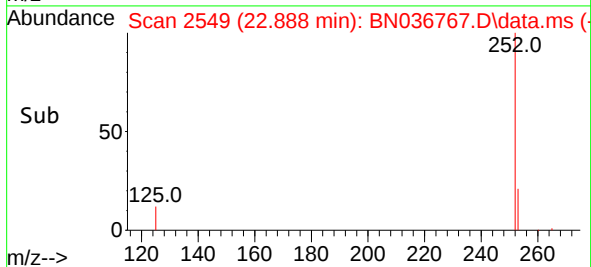
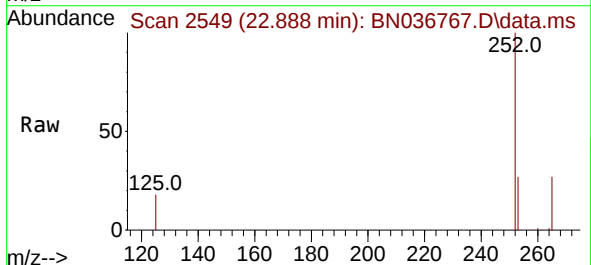


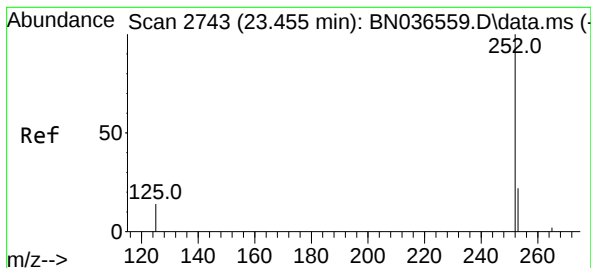
Tgt Ion:252 Resp: 7341
Ion Ratio Lower Upper
252 100
253 27.5 23.9 35.9
125 18.7 17.4 26.2



#38
Benzo(k)fluoranthene
Concen: 0.486 ng
RT: 22.888 min Scan# 2549
Delta R.T. -0.029 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Tgt Ion:252 Resp: 7418
Ion Ratio Lower Upper
252 100
253 27.3 24.6 36.8
125 18.0 17.8 26.8





#39

Benzo(a)pyrene

Concen: 0.519 ng

RT: 23.423 min Scan# 21

Delta R.T. -0.032 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

Instrument :

BNA_N

ClientSampleId :

RE132D1-20250318MSD

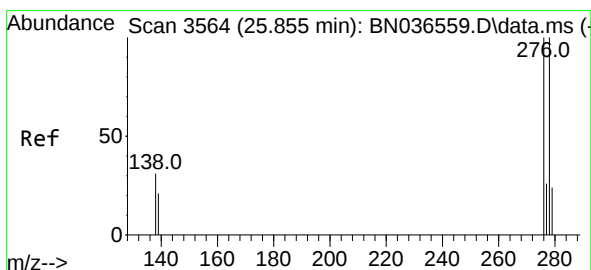
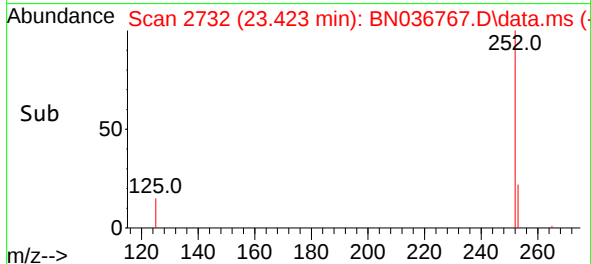
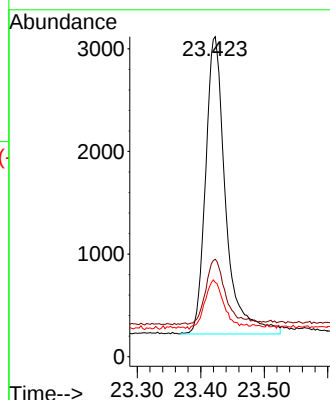
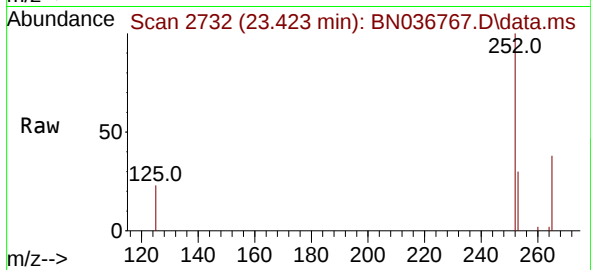
Tgt Ion:252 Resp: 6357

Ion Ratio Lower Upper

252 100

253 30.4 27.8 41.8

125 23.2 22.7 34.1



#40

Dibenzo(a,h)anthracene

Concen: 0.462 ng

RT: 25.803 min Scan# 3546

Delta R.T. -0.053 min

Lab File: BN036767.D

Acq: 28 Mar 2025 10:58

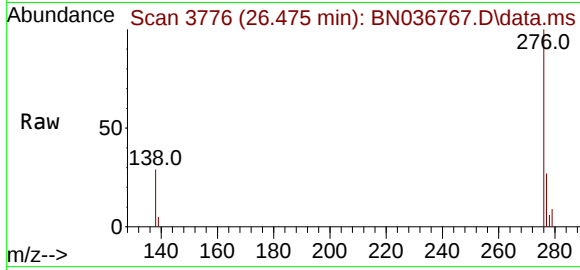
Tgt Ion:278 Resp: 5192

Ion Ratio Lower



#41
Benzo(g,h,i)perylene
Concen: 0.426 ng
RT: 26.475 min Scan# 31
Delta R.T. -0.056 min
Lab File: BN036767.D
Acq: 28 Mar 2025 10:58

Instrument :
BNA_N
ClientSampleId :
RE132D1-20250318MSD



Tgt Ion:276 Resp: 5470
Ion Ratio Lower Upper
276 100
277 26.7 22.2 33.4
138 28.7 24.1 36.1

