

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120924\
 Data File : BN035514.D
 Acq On : 09 Dec 2024 19:31
 Operator : RC/JU
 Sample : P5164-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE105D2-20241206

Quant Time: Dec 10 01:27:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 23:03:24 2024
 Response via : Initial Calibration

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

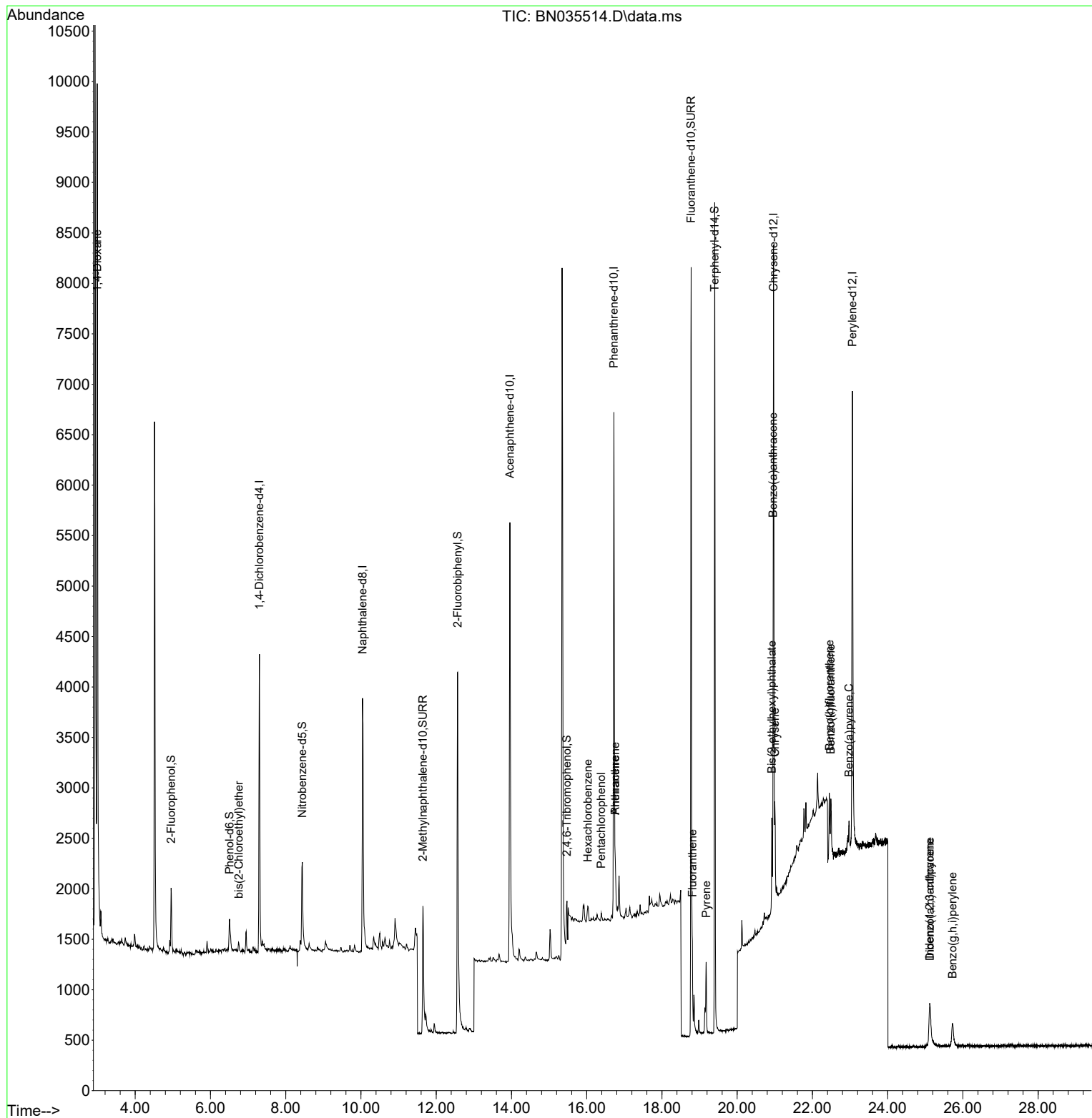
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.300	152	1515	0.400	ng	0.00
7) Naphthalene-d8	10.041	136	4180	0.400	ng	-0.01
13) Acenaphthene-d10	13.956	164	3091	0.400	ng	-0.01
19) Phenanthrene-d10	16.723	188	7600	0.400	ng	#-0.01
29) Chrysene-d12	20.965	240	6224	0.400	ng	0.00
35) Perylene-d12	23.061	264	6145	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.953	112	573	0.151	ng	-0.01
5) Phenol-d6	6.506	99	418	0.092	ng	0.00
8) Nitrobenzene-d5	8.440	82	1269	0.497	ng	0.00
11) 2-Methylnaphthalene-d10	11.646	152	2519	0.385	ng	-0.01
14) 2,4,6-Tribromophenol	15.475	330	562	0.256	ng	0.00
15) 2-Fluorobiphenyl	12.569	172	4789	0.410	ng	0.00
27) Fluoranthene-d10	18.775	212	9287	0.431	ng	0.00
31) Terphenyl-d14	19.402	244	8183	0.666	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.989	88	6196	4.278	ng	99
6) bis(2-Chloroethyl)ether	6.751	93	83	0.022	ng	# 86
22) Hexachlorobenzene	16.028	284	115	0.022	ng	93
24) Pentachlorophenol	16.388	266	51	0.022	ng	# 76
25) Phenanthrene	16.760	178	430	0.021	ng	97
26) Anthracene	16.760	178	430	0.023	ng	97
28) Fluoranthene	18.808	202	717	0.025	ng	# 96
30) Pyrene	19.175	202	646	0.028	ng	99
32) Benzo(a)anthracene	20.956	228	618	0.028	ng	# 85
33) Chrysene	21.000	228	757	0.034	ng	# 87
34) Bis(2-ethylhexyl)phtha...	20.920	149	882	0.103	ng	97
36) Indeno(1,2,3-cd)pyrene	25.117	276	670	0.028	ng	# 83
37) Benzo(b)fluoranthene	22.450	252	920	0.041	ng	# 31
38) Benzo(k)fluoranthene	22.488	252	733	0.033	ng	# 20
39) Benzo(a)pyrene	22.971	252	393	0.021	ng	# 1
40) Dibenzo(a,h)anthracene	25.123	278	465	0.025	ng	# 8
41) Benzo(g,h,i)perylene	25.722	276	580	0.029	ng	# 50

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

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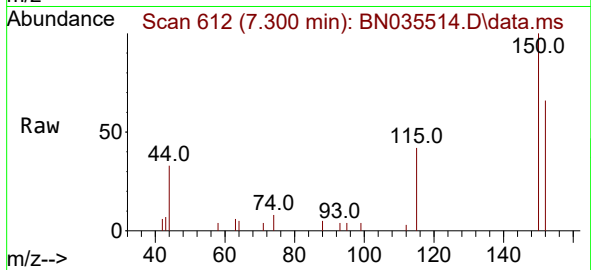
Quant Time: Dec 10 01:27:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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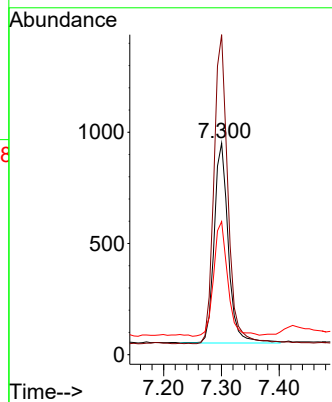
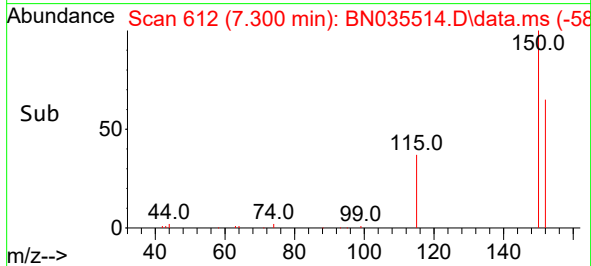


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.300 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

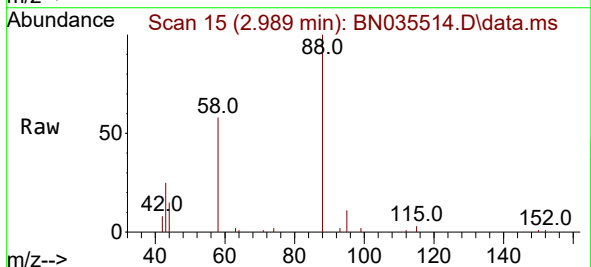
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206



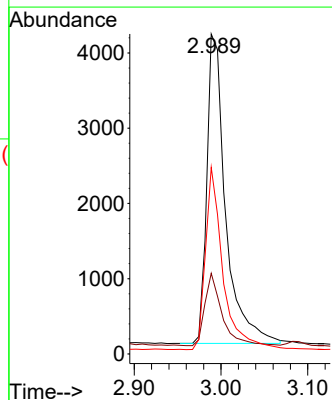
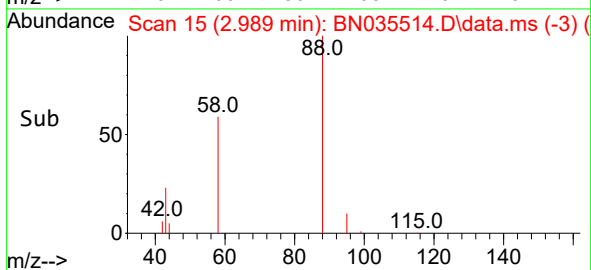
Tgt Ion:152 Resp: 1515
Ion Ratio Lower Upper
152 100
150 151.3 124.0 186.0
115 63.0 49.6 74.4

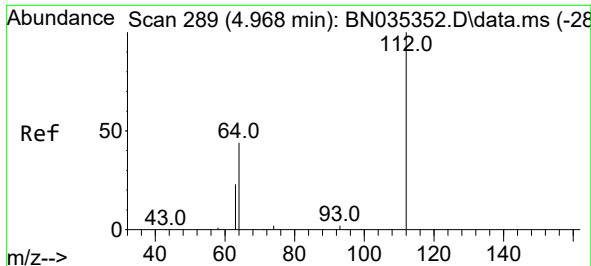


#2
1,4-Dioxane
Concen: 4.278 ng
RT: 2.989 min Scan# 15
Delta R.T. -0.015 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31



Tgt Ion: 88 Resp: 6196
Ion Ratio Lower Upper
88 100
43 21.5 17.2 25.8
58 54.7 44.5 66.7

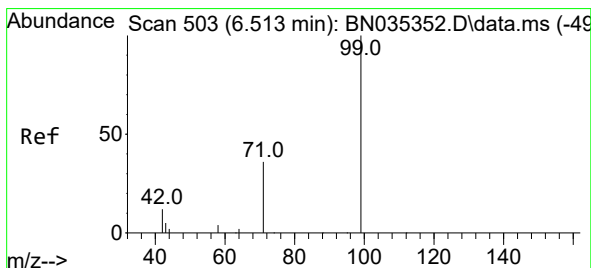
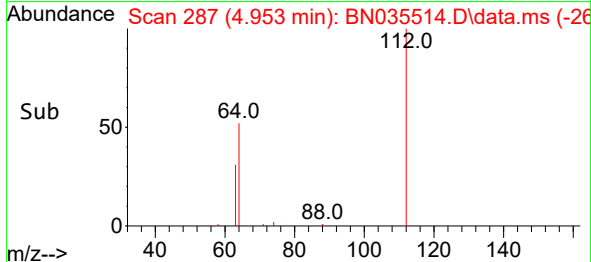
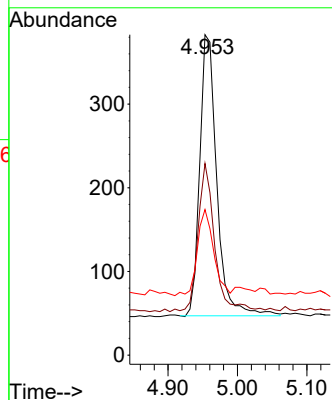
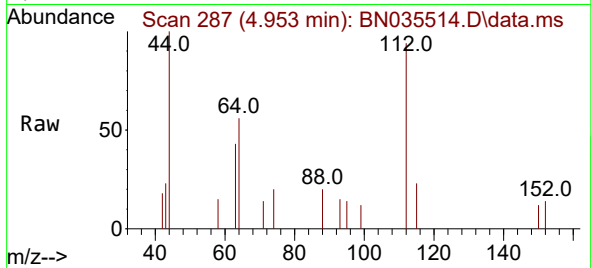




#4
2-Fluorophenol
Concen: 0.151 ng
RT: 4.953 min Scan# 21
Delta R.T. -0.015 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

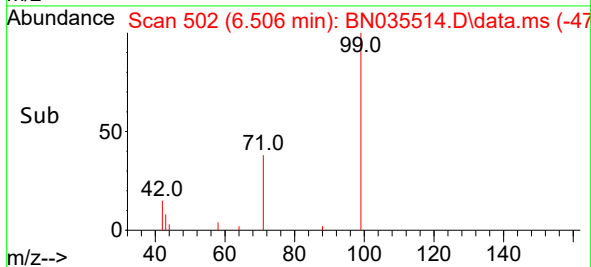
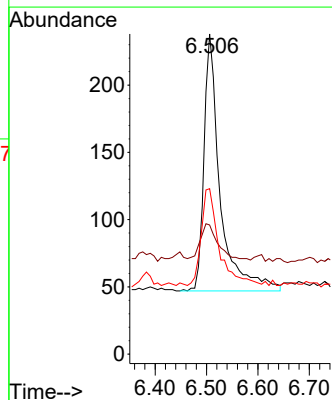
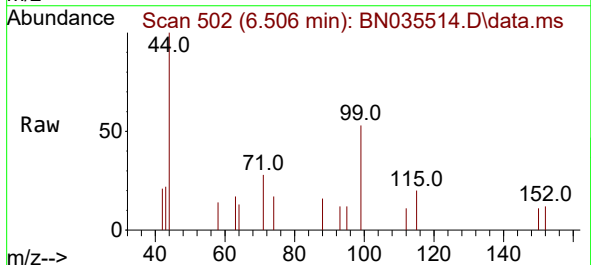
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

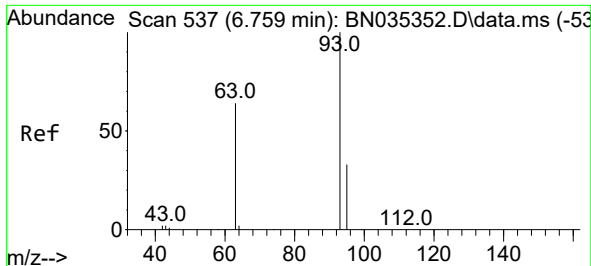
Tgt Ion:112 Resp: 573
Ion Ratio Lower Upper
112 100
64 52.2 39.8 59.8
63 29.1 21.0 31.6



#5
Phenol-d6
Concen: 0.092 ng
RT: 6.506 min Scan# 502
Delta R.T. -0.007 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion: 99 Resp: 418
Ion Ratio Lower Upper
99 100
42 17.0 11.4 17.2
71 41.4 29.3 43.9

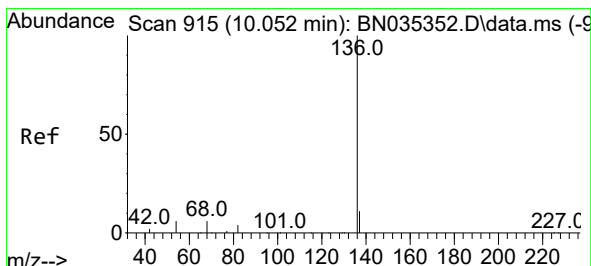
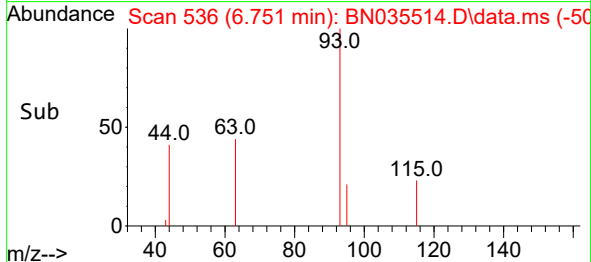
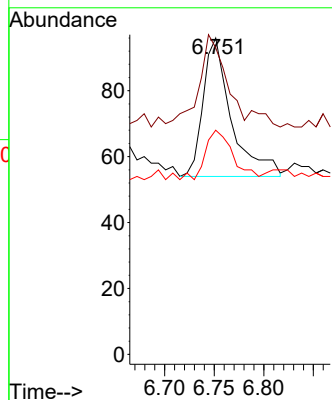
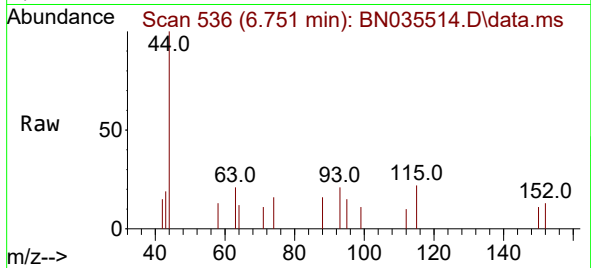




#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 6.751 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

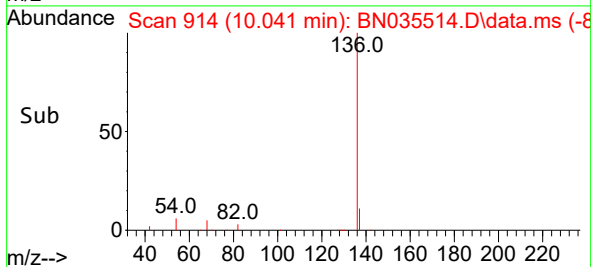
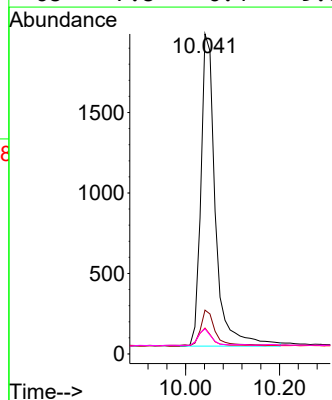
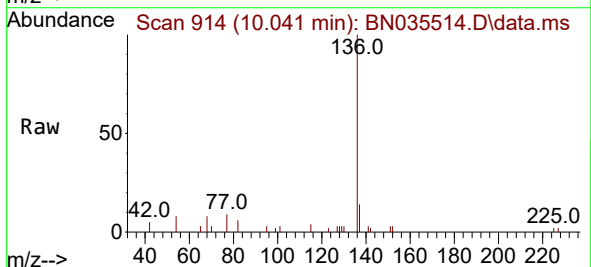
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

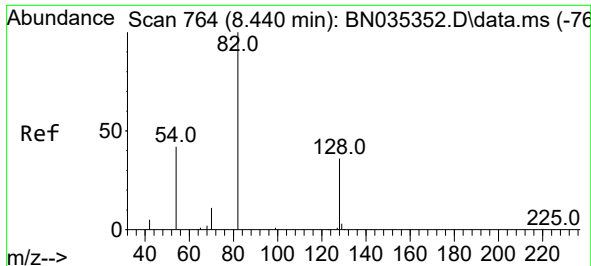
Tgt Ion: 93 Resp: 83
Ion Ratio Lower Upper
93 100
63 75.9 50.4 75.6#
95 37.3 25.7 38.5



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.041 min Scan# 914
Delta R.T. -0.011 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion: 136 Resp: 4180
Ion Ratio Lower Upper
136 100
137 13.7 10.2 15.2
54 8.1 6.1 9.1
68 7.8 6.4 9.6

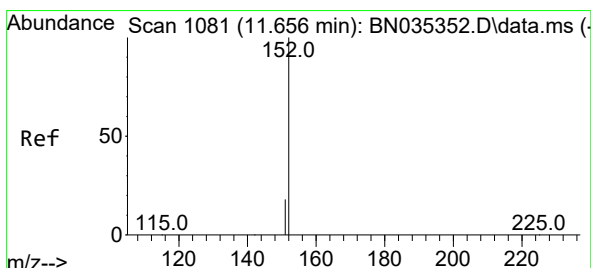
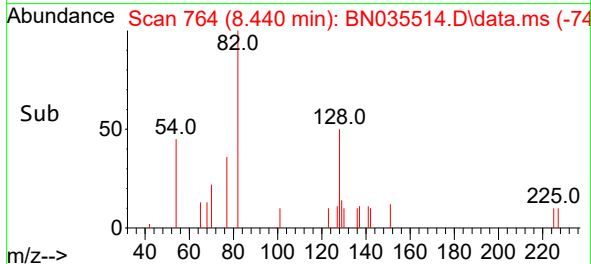
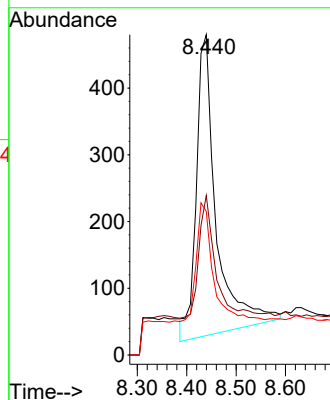
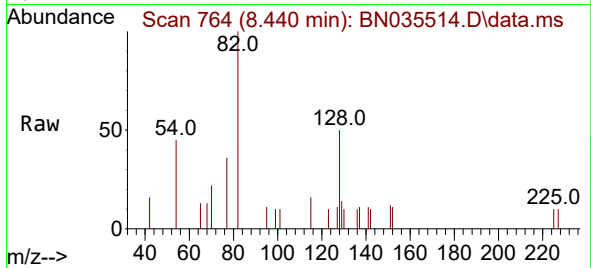




#8
Nitrobenzene-d5
Concen: 0.497 ng
RT: 8.440 min Scan# 764
Delta R.T. -0.000 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

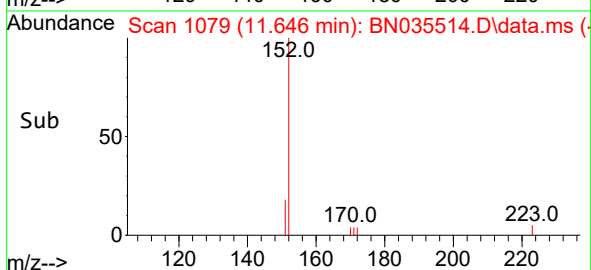
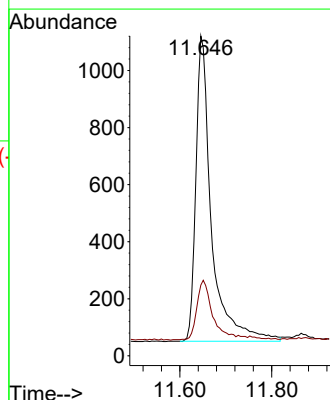
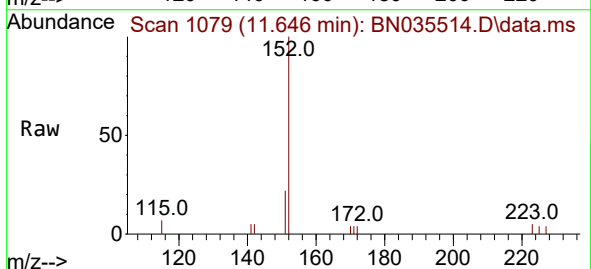
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

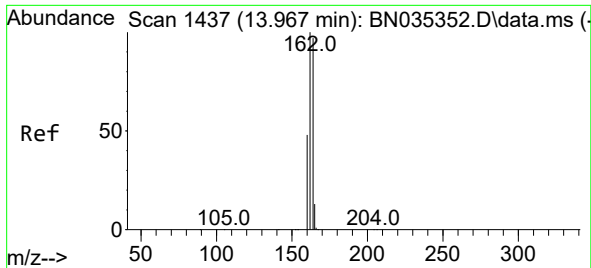
Tgt Ion: 82 Resp: 1269
Ion Ratio Lower Upper
82 100
128 49.8 33.4 50.0
54 44.8 36.7 55.1



#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 11.646 min Scan# 1079
Delta R.T. -0.010 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion: 152 Resp: 2519
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

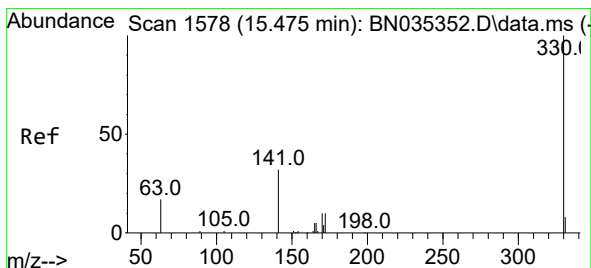
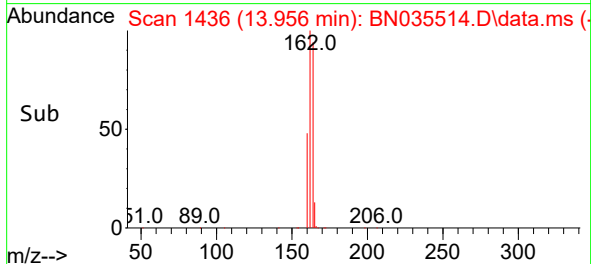
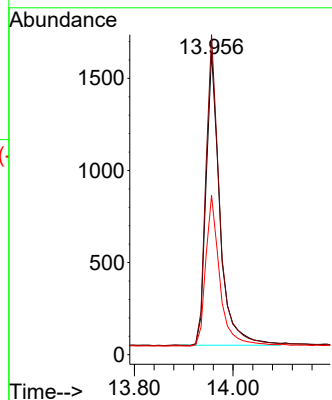
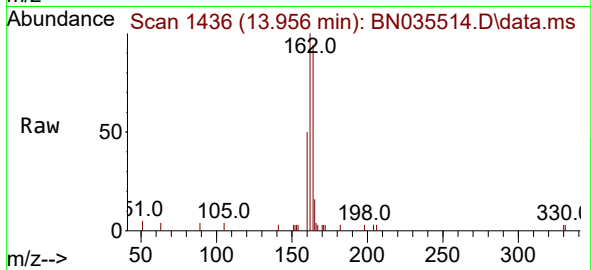




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.956 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

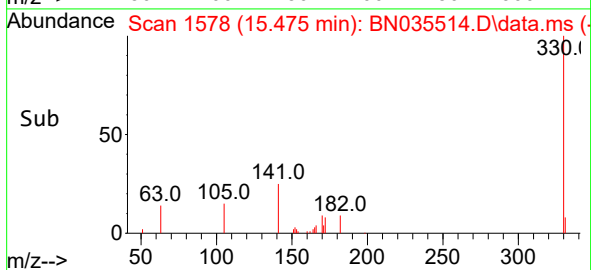
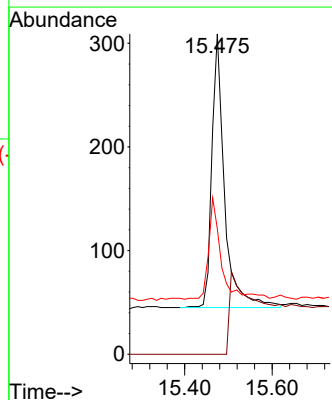
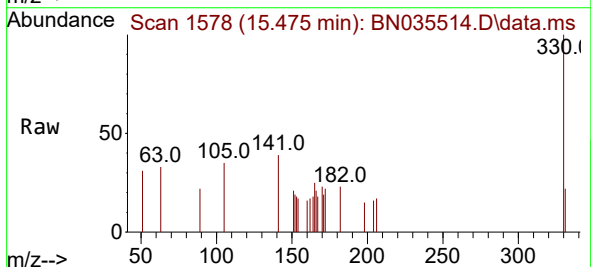
Instrument :
BNA_N
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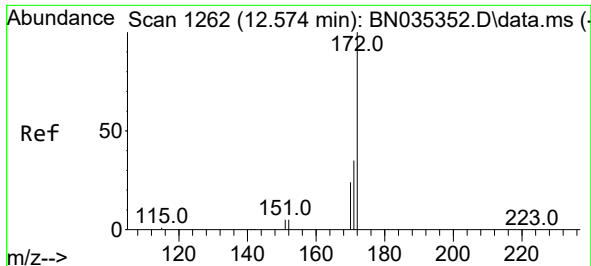
Tgt Ion:164 Resp: 3091
Ion Ratio Lower Upper
164 100
162 105.9 82.2 123.2
160 52.7 40.1 60.1



#14
2,4,6-Tribromophenol
Concen: 0.256 ng
RT: 15.475 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion:330 Resp: 562
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.5 26.6 40.0

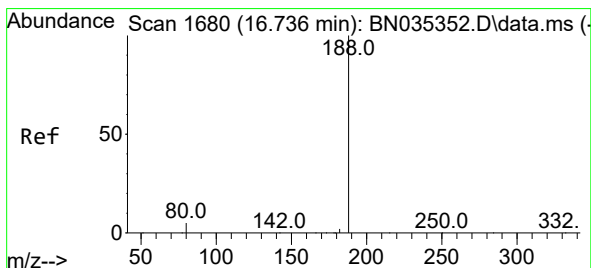
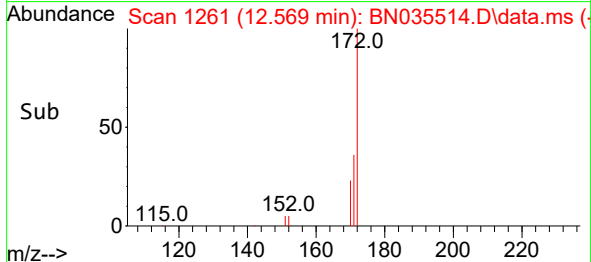
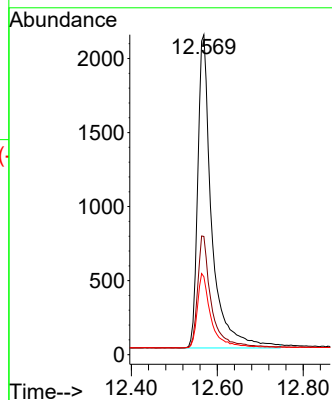
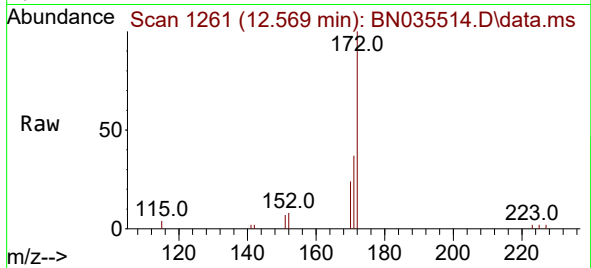




#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

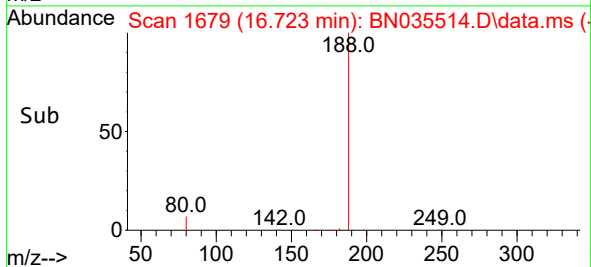
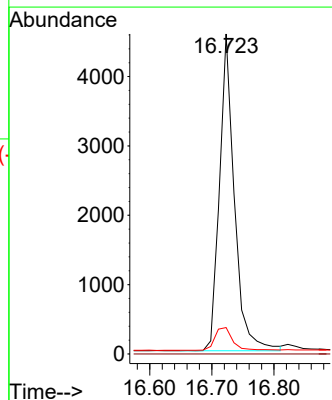
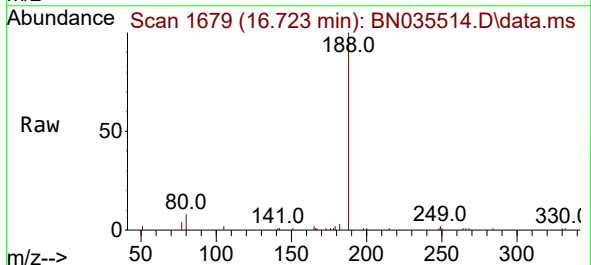
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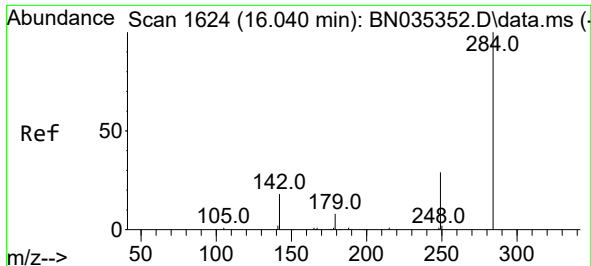
Tgt Ion:172 Resp: 4789
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.4
170 24.3 19.8 29.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.723 min Scan# 1679
Delta R.T. -0.012 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion:188 Resp: 7600
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 4.6 6.8





#22

Hexachlorobenzene

Concen: 0.022 ng

RT: 16.028 min Scan# 1

Delta R.T. -0.013 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

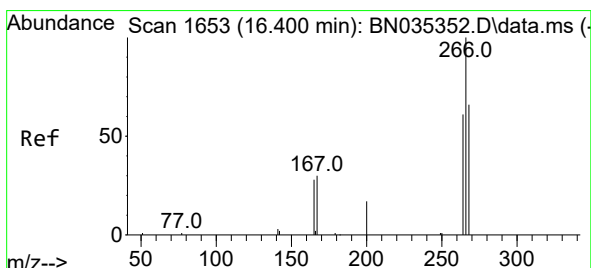
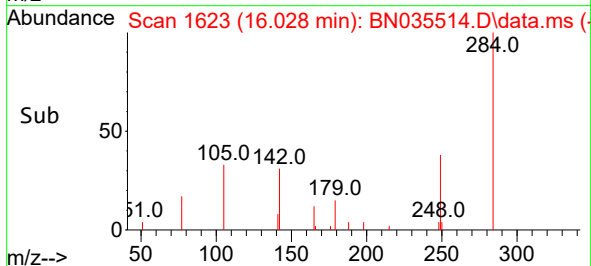
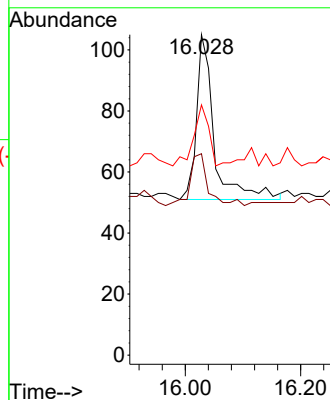
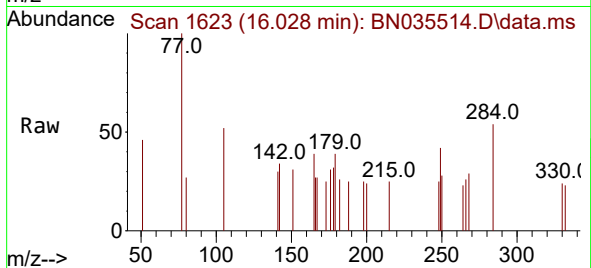
Tgt Ion:284 Resp: 115

Ion Ratio Lower Upper

284 100

142 31.3 26.7 40.1

249 36.5 24.6 36.8



#24

Pentachlorophenol

Concen: 0.022 ng

RT: 16.388 min Scan# 1652

Delta R.T. -0.012 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

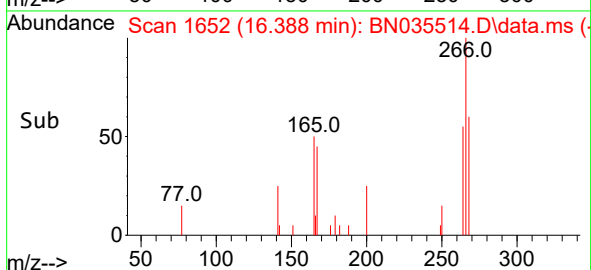
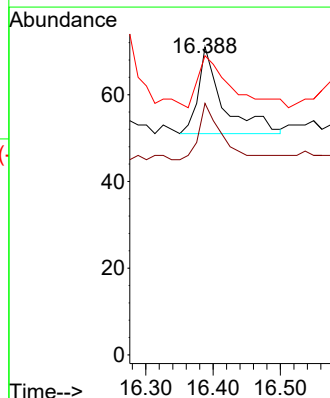
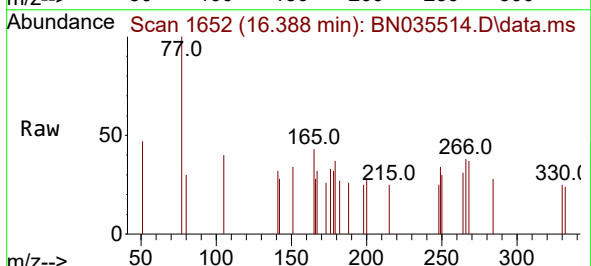
Tgt Ion:266 Resp: 51

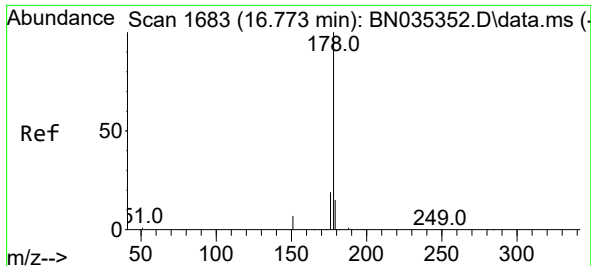
Ion Ratio Lower Upper

266 100

264 62.7 42.3 63.5

268 78.4 43.3 64.9#

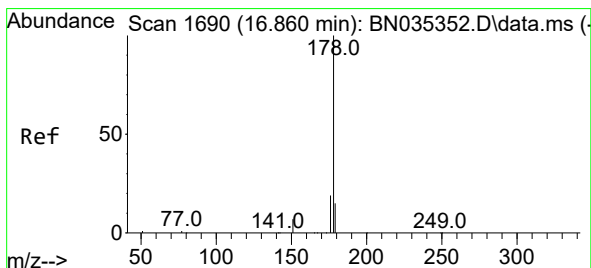
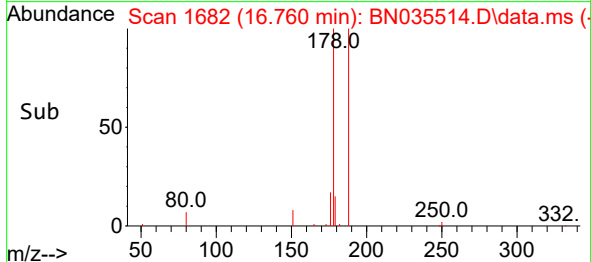
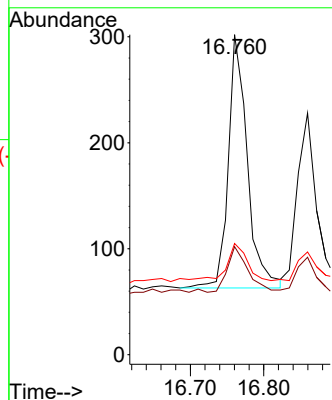
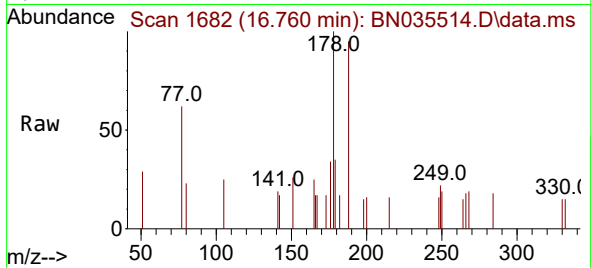




#25
Phenanthrene
Concen: 0.021 ng
RT: 16.760 min Scan# 1682
Delta R.T. -0.013 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

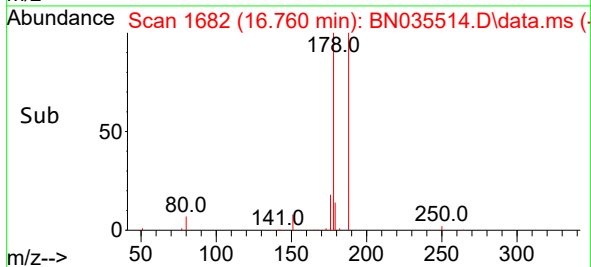
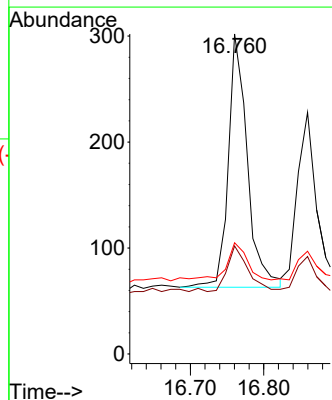
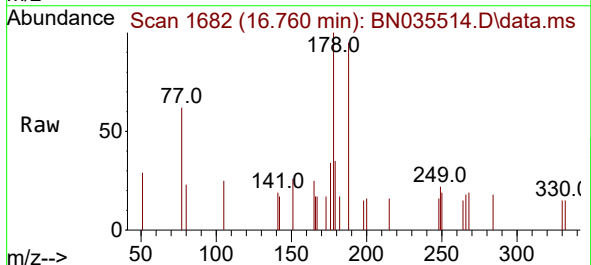
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

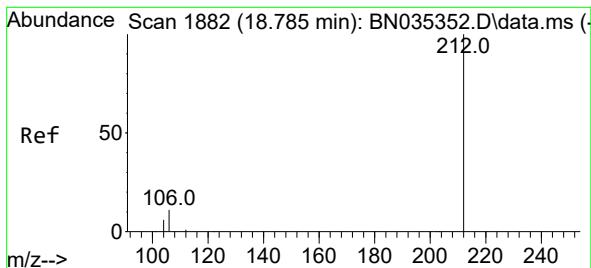
Tgt Ion:178 Resp: 430
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.2
179 17.4 12.3 18.5



#26
Anthracene
Concen: 0.023 ng
RT: 16.760 min Scan# 1682
Delta R.T. -0.099 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

Tgt Ion:178 Resp: 430
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 17.4 12.6 18.8





#27

Fluoranthene-d10

Concen: 0.431 ng

RT: 18.775 min Scan# 1880

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

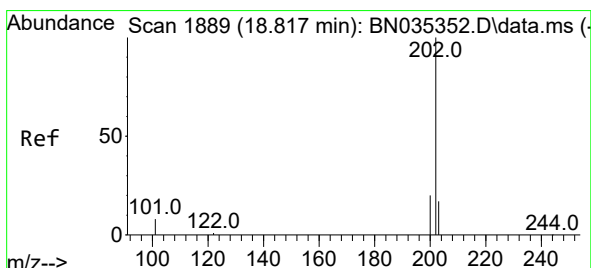
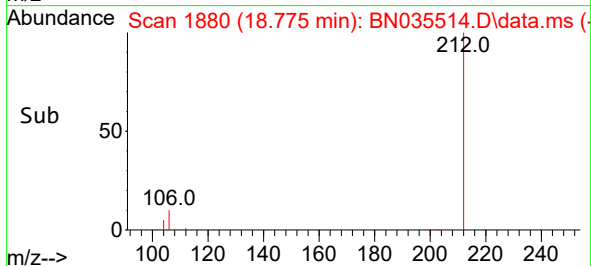
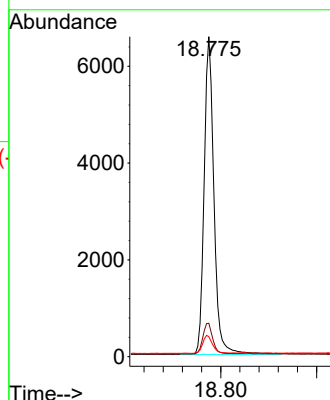
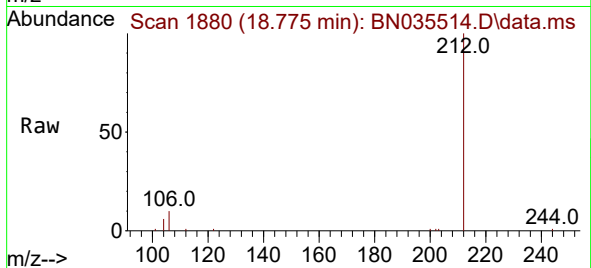
Tgt Ion:212 Resp: 9287

Ion Ratio Lower Upper

212 100

106 9.7 9.2 13.8

104 5.6 5.3 7.9



#28

Fluoranthene

Concen: 0.025 ng

RT: 18.808 min Scan# 1887

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

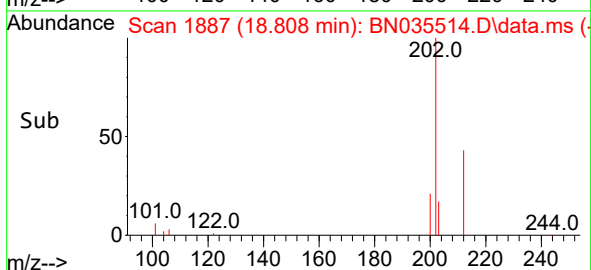
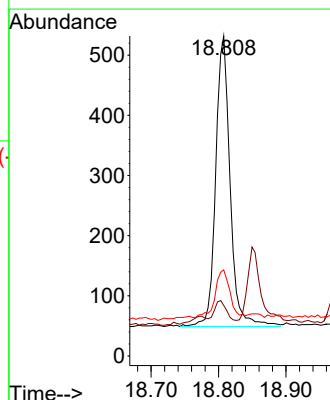
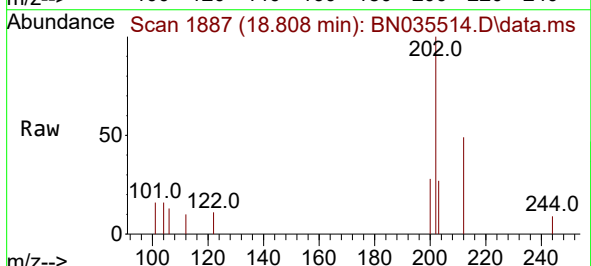
Tgt Ion:202 Resp: 717

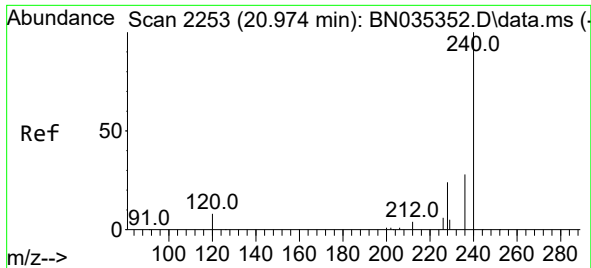
Ion Ratio Lower Upper

202 100

101 6.4 7.4 11.0#

203 17.7 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 20.965 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

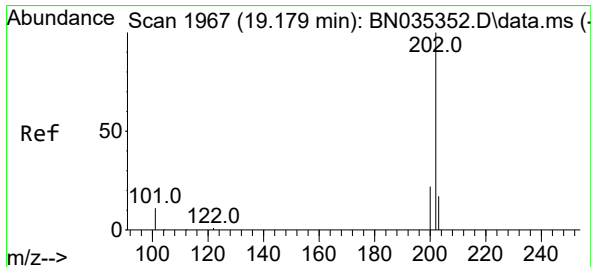
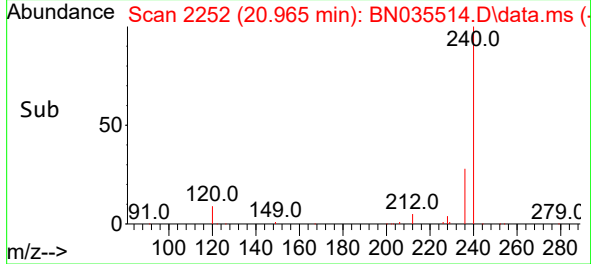
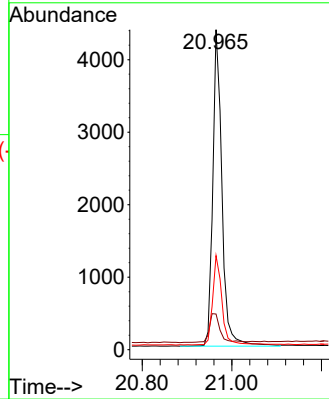
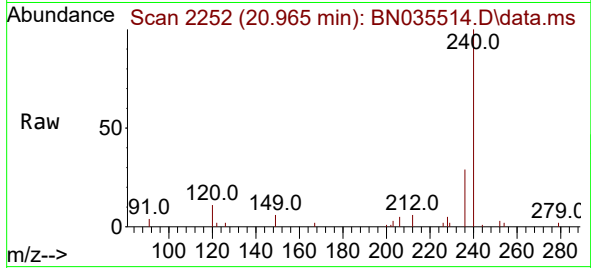
Tgt Ion:240 Resp: 6224

Ion Ratio Lower Upper

240 100

120 11.2 7.9 11.9

236 29.4 22.9 34.3



#30

Pyrene

Concen: 0.028 ng

RT: 19.175 min Scan# 1966

Delta R.T. -0.005 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

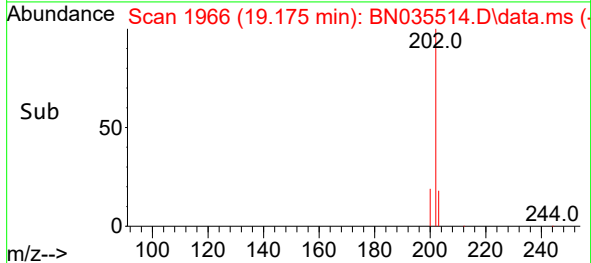
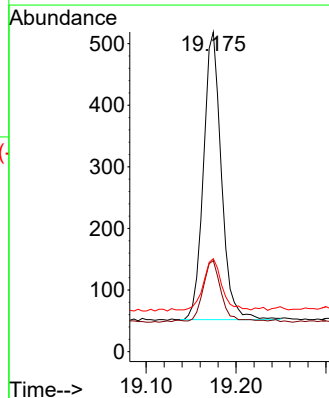
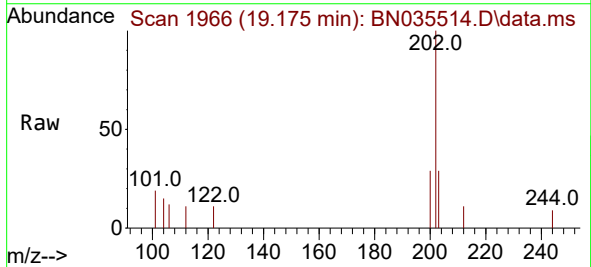
Tgt Ion:202 Resp: 646

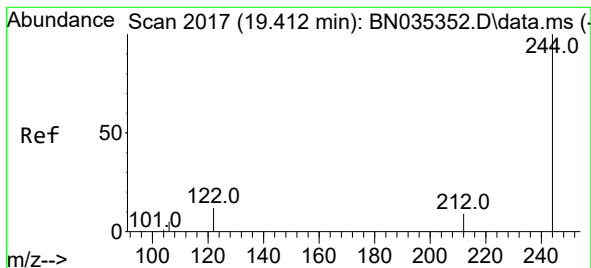
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 18.6 14.3 21.5





#31

Terphenyl-d14

Concen: 0.666 ng

RT: 19.402 min Scan# 2017

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

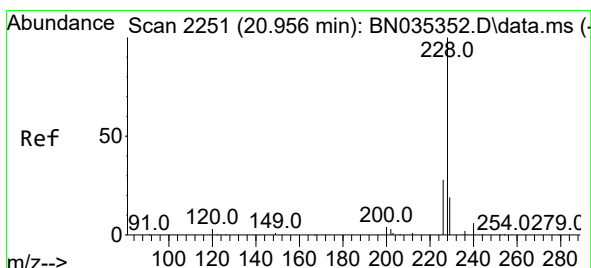
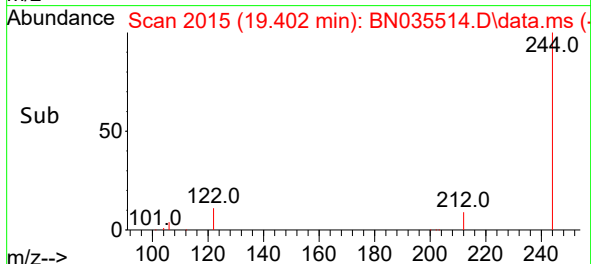
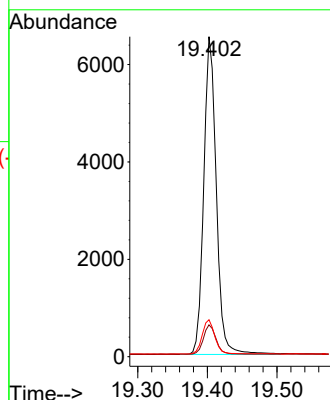
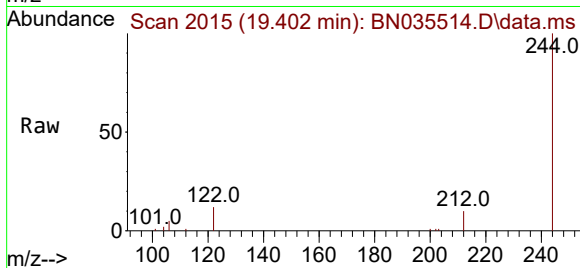
Tgt Ion:244 Resp: 8183

Ion Ratio Lower Upper

244 100

212 10.0 8.1 12.1

122 11.5 10.3 15.5



#32

Benzo(a)anthracene

Concen: 0.028 ng

RT: 20.956 min Scan# 2251

Delta R.T. -0.000 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

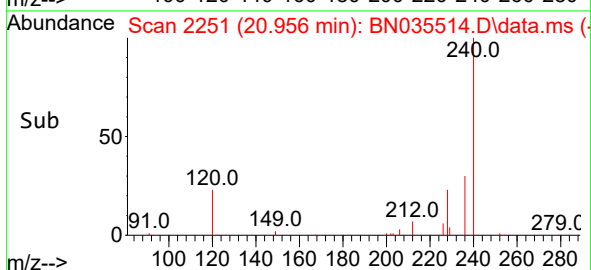
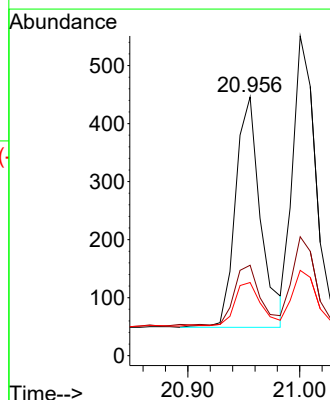
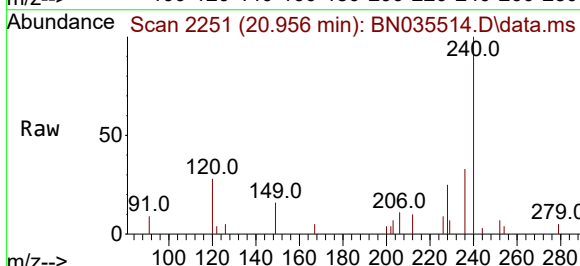
Tgt Ion:228 Resp: 618

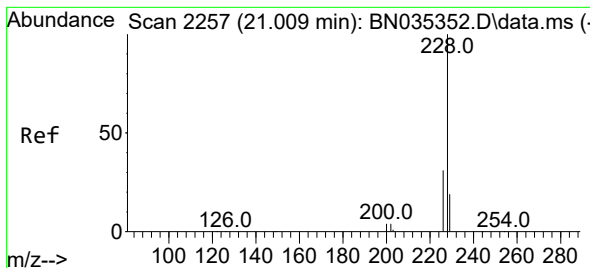
Ion Ratio Lower Upper

228 100

226 35.0 22.5 33.7#

229 28.3 15.8 23.8#





#33

Chrysene

Concen: 0.034 ng

RT: 21.000 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206

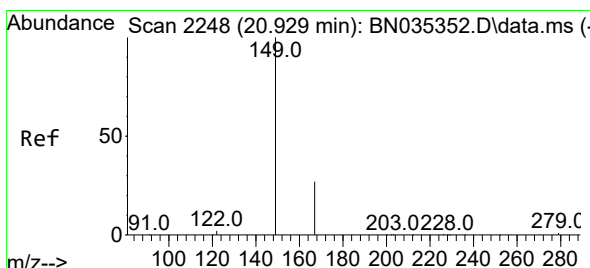
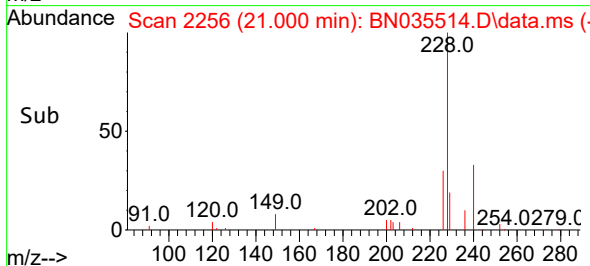
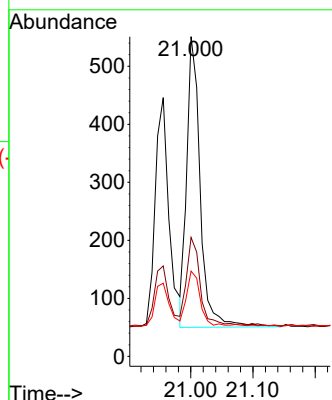
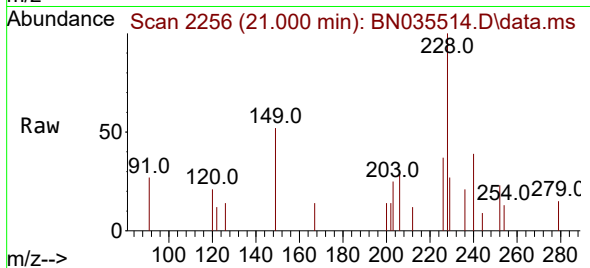
Tgt Ion:228 Resp: 757

Ion Ratio Lower Upper

228 100

226 37.2 24.6 37.0#

229 26.7 15.9 23.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.103 ng

RT: 20.920 min Scan# 2247

Delta R.T. -0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

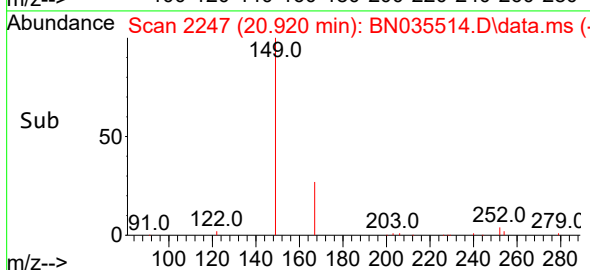
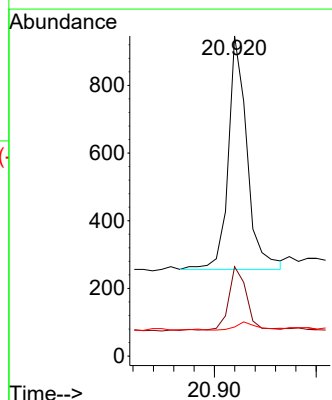
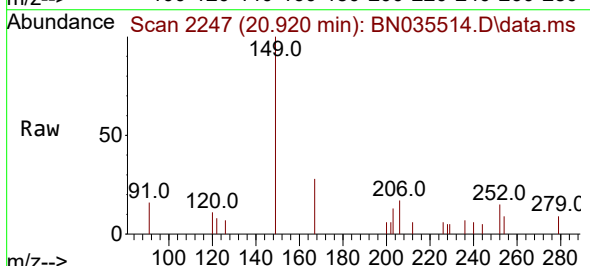
Tgt Ion:149 Resp: 882

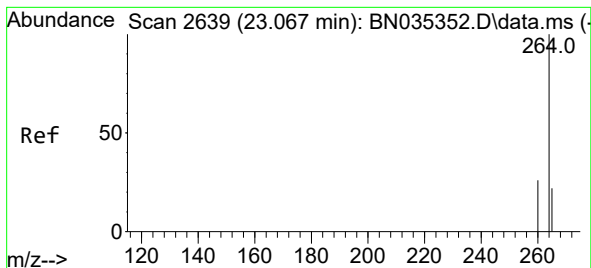
Ion Ratio Lower Upper

149 100

167 25.9 22.2 33.4

279 3.7 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.061 min Scan# 2

Delta R.T. -0.006 min

Lab File: BN035514.D

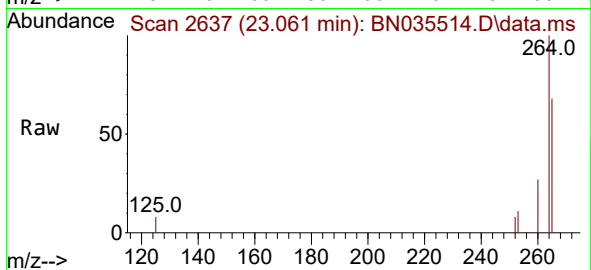
Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206



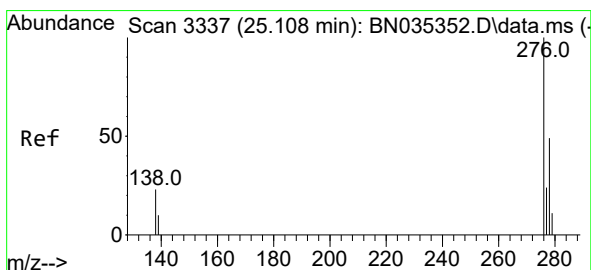
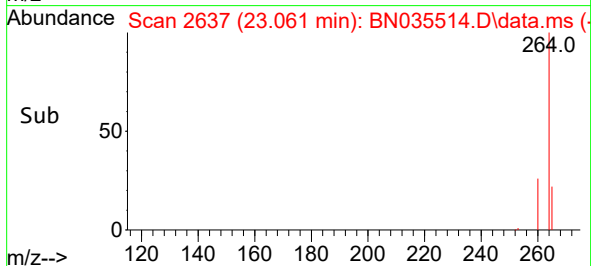
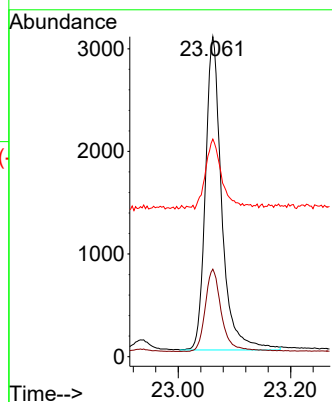
Tgt Ion:264 Resp: 6145

Ion Ratio Lower Upper

264 100

260 27.3 21.4 32.2

265 68.0 40.2 60.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.028 ng

RT: 25.117 min Scan# 3340

Delta R.T. 0.009 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

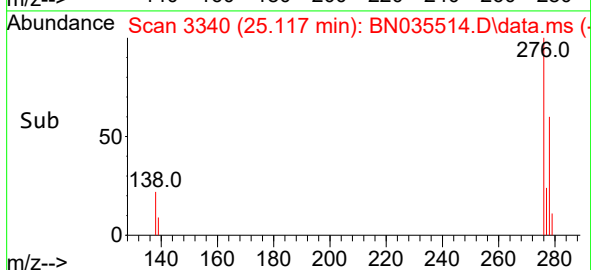
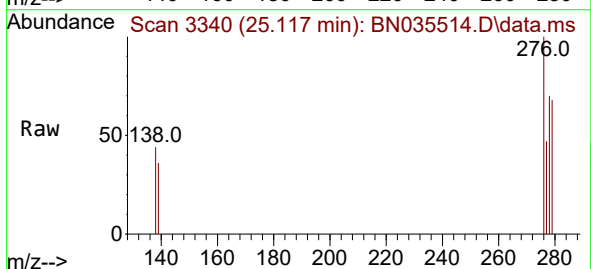
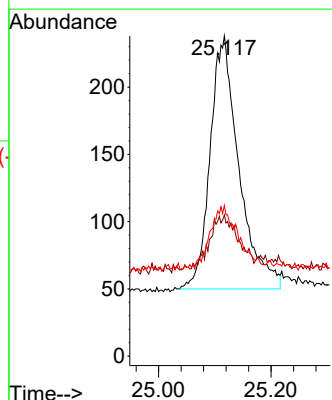
Tgt Ion:276 Resp: 670

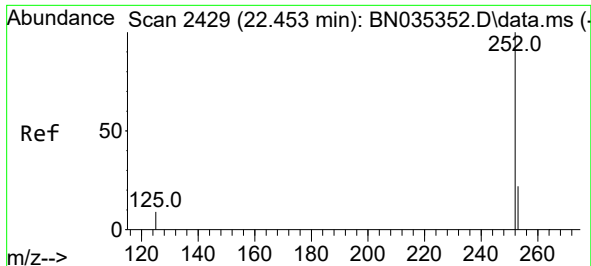
Ion Ratio Lower Upper

276 100

138 8.7 19.4 29.0#

277 23.0 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.041 ng

RT: 22.450 min Scan# 2429

Delta R.T. -0.003 min

Lab File: BN035514.D

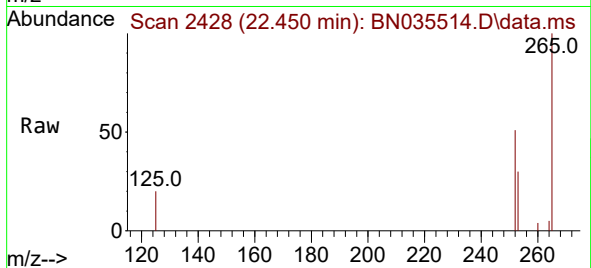
Acq: 09 Dec 2024 19:31

Instrument :

BNA_N

ClientSampleId :

RE105D2-20241206



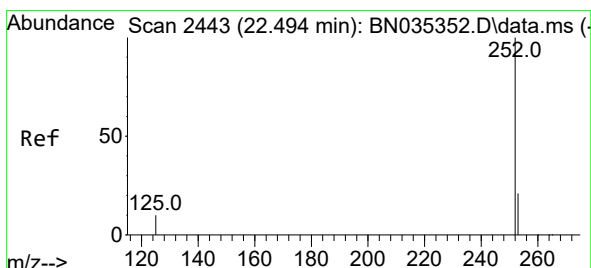
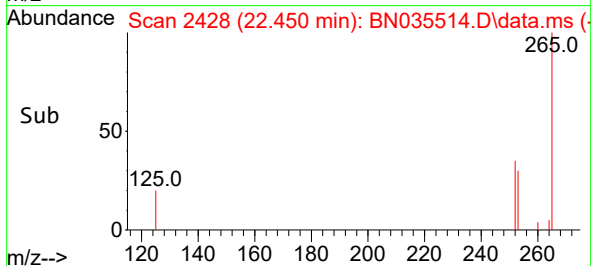
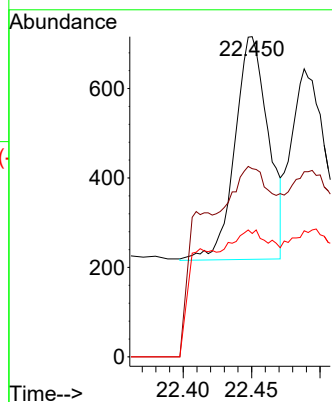
Tgt Ion:252 Resp: 920

Ion Ratio Lower Upper

252 100

253 58.8 19.6 29.4#

125 38.5 9.6 14.4#



#38

Benzo(k)fluoranthene

Concen: 0.033 ng

RT: 22.488 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BN035514.D

Acq: 09 Dec 2024 19:31

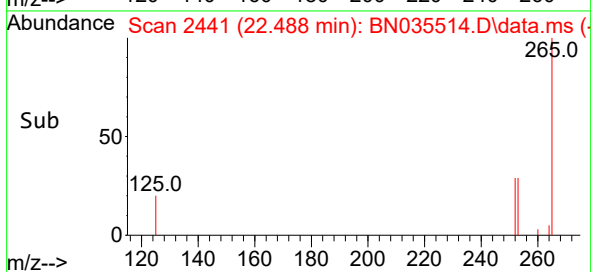
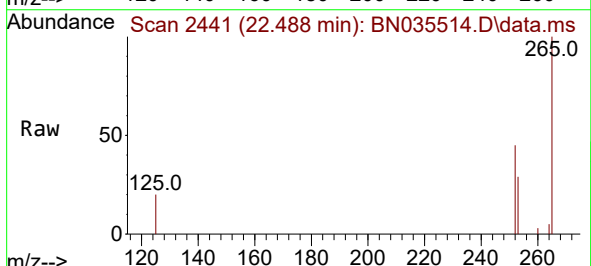
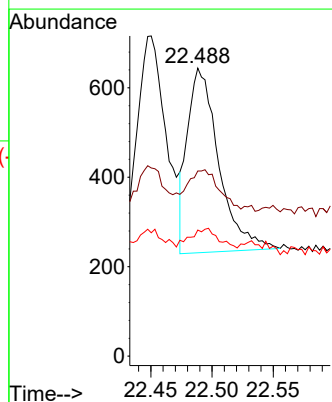
Tgt Ion:252 Resp: 733

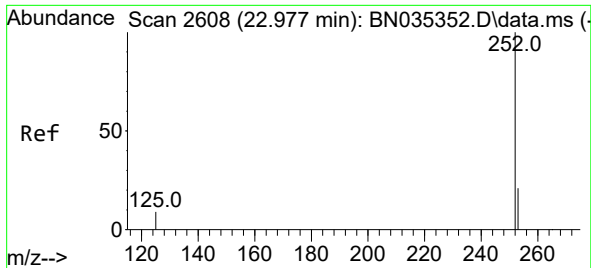
Ion Ratio Lower Upper

252 100

253 64.3 19.5 29.3#

125 43.8 10.2 15.4#

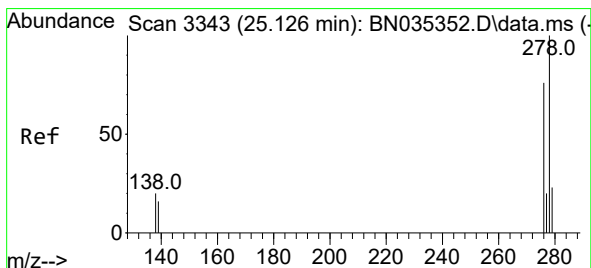
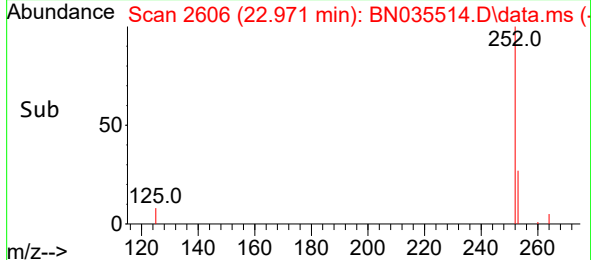
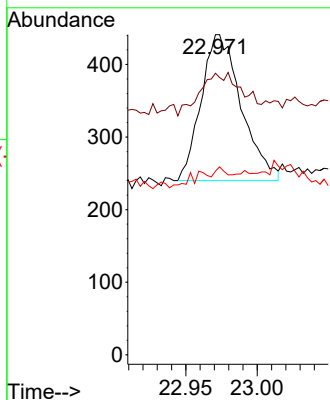
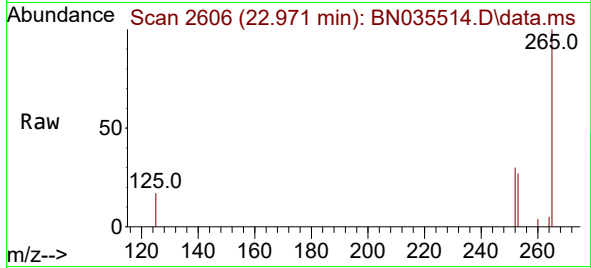




#39
Benzo(a)pyrene
Concen: 0.021 ng
RT: 22.971 min Scan# 20
Delta R.T. -0.006 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

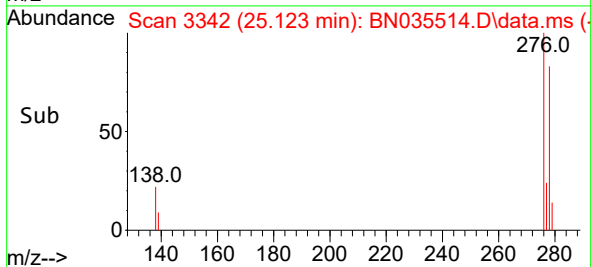
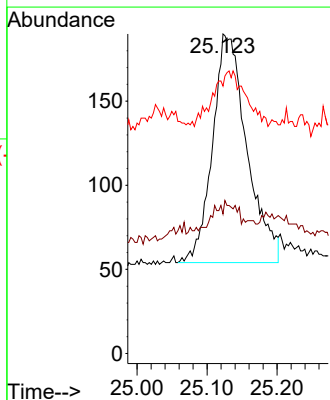
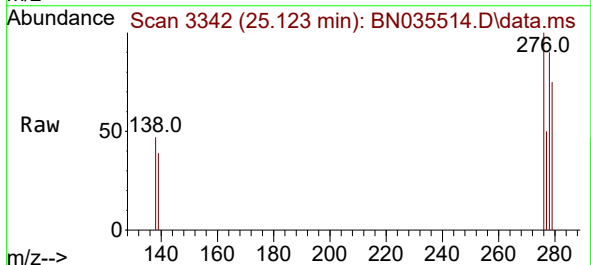
Instrument :
BNA_N
ClientSampleId :
RE105D2-20241206

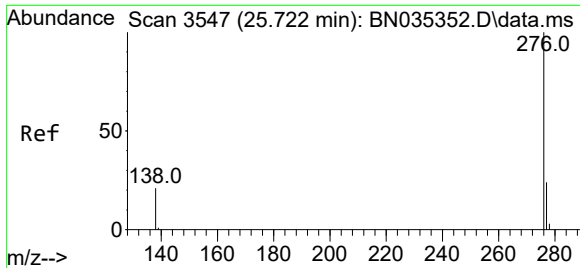
Tgt Ion:252 Resp: 393
Ion Ratio Lower Upper
252 100
253 88.0 20.2 30.4#
125 57.4 10.9 16.3#



#40
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 25.123 min Scan# 3342
Delta R.T. -0.003 min
Lab File: BN035514.D
Acq: 09 Dec 2024 19:31

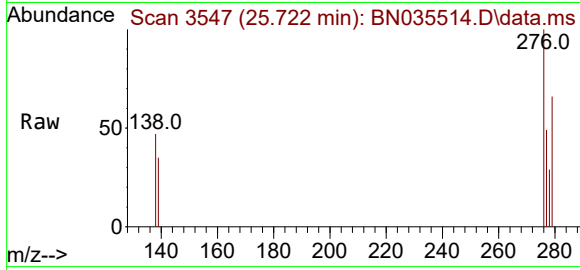
Tgt Ion:278 Resp: 465
Ion Ratio Lower Upper
278 100
139 43.7 14.2 21.4#
279 83.7 20.5 30.7#





#41
 Benzo(g,h,i)perylene
 Concen: 0.029 ng
 RT: 25.722 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: BN035514.D
 Acq: 09 Dec 2024 19:31

Instrument :
 BNA_N
 ClientSampleId :
 RE105D2-20241206



Tgt Ion:276 Resp: 580
 Ion Ratio Lower Upper
 276 100
 277 49.3 19.9 29.9#
 138 46.8 17.8 26.8#

