

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
 Data File : BN029061.D
 Acq On : 06 Dec 2023 18:25
 Operator : MA/JU
 Sample : 05404-32
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20231110

Quant Time: Dec 06 22:53:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 00:49:47 2023
 Response via : Initial Calibration

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

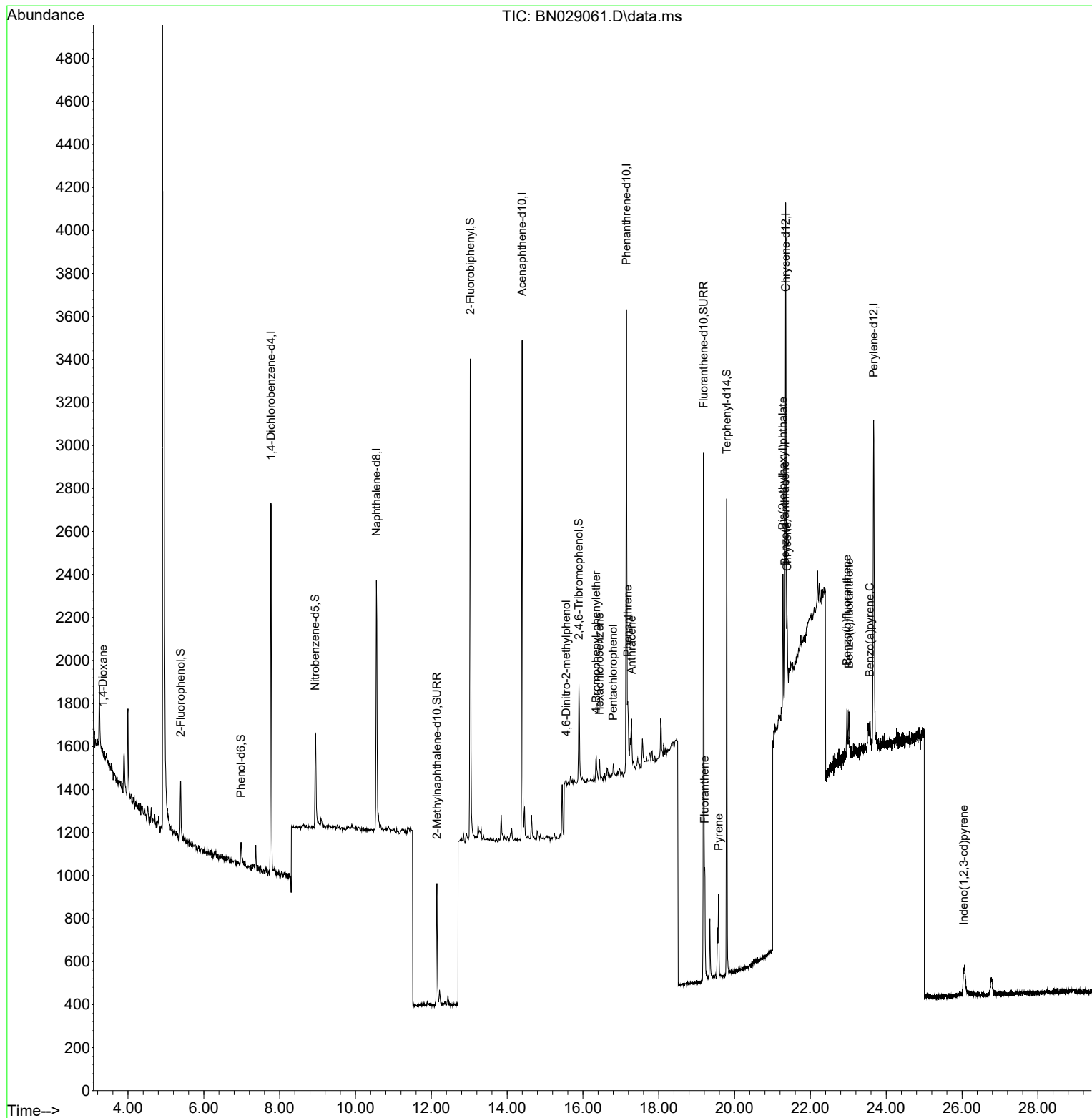
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	918	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	1709	0.400	ng	#-0.01
13) Acenaphthene-d10	14.396	164	1297	0.400	ng	0.00
19) Phenanthrene-d10	17.146	188	3135	0.400	ng	# 0.00
29) Chrysene-d12	21.347	240	2171	0.400	ng	# 0.00
35) Perylene-d12	23.667	264	2258	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	236	0.114	ng	0.00
5) Phenol-d6	6.980	99	135	0.054	ng	0.00
8) Nitrobenzene-d5	8.939	82	547	0.265	ng	0.00
11) 2-Methylnaphthalene-d10	12.148	152	840	0.234	ng	0.00
14) 2,4,6-Tribromophenol	15.893	330	334	0.233	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	2064	0.307	ng	0.00
27) Fluoranthene-d10	19.185	212	3127	0.317	ng	0.00
31) Terphenyl-d14	19.794	244	2212	0.403	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	29	0.039	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.558	198	27	0.029	ng	# 1
21) 4-Bromophenyl-phenylether	16.352	248	66	0.023	ng	# 81
22) Hexachlorobenzene	16.439	284	72	0.022	ng	# 91
24) Pentachlorophenol	16.799	266	36	0.020	ng	# 47
25) Phenanthrene	17.184	178	291	0.028	ng	# 92
26) Anthracene	17.283	178	244	0.024	ng	# 92
28) Fluoranthene	19.213	202	452	0.031	ng	# 92
30) Pyrene	19.580	202	386	0.029	ng	100
32) Benzo(a)anthracene	21.329	228	241	0.022	ng	# 64
33) Chrysene	21.383	228	229	0.021	ng	# 65
34) Bis(2-ethylhexyl)phtha...	21.275	149	656	0.097	ng	# 98
36) Indeno(1,2,3-cd)pyrene	26.047	276	265	0.023	ng	# 72
37) Benzo(b)fluoranthene	22.962	252	325	0.027	ng	# 1
38) Benzo(k)fluoranthene	23.018	252	273	0.024	ng	# 1
39) Benzo(a)pyrene	23.567	252	227	0.023	ng	# 1

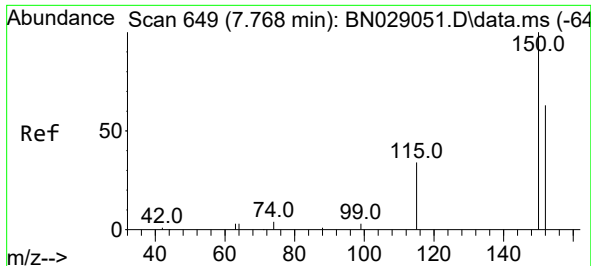
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
Data File : BN029061.D
Acq On : 06 Dec 2023 18:25
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
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RE122D3-20231110

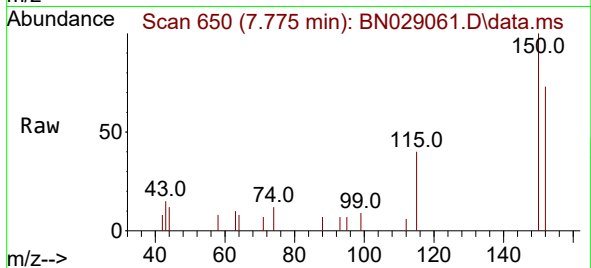
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration



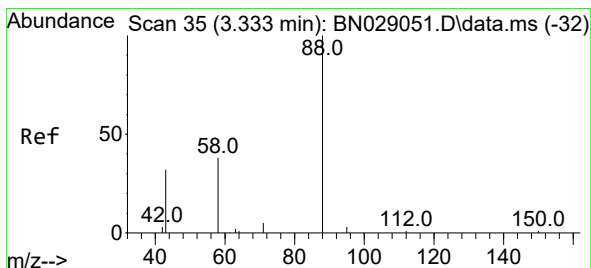
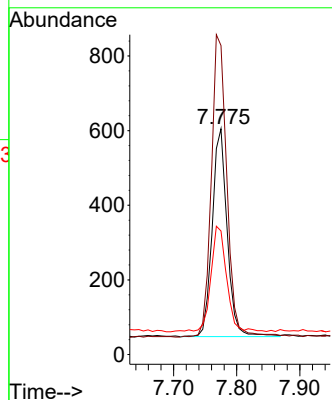
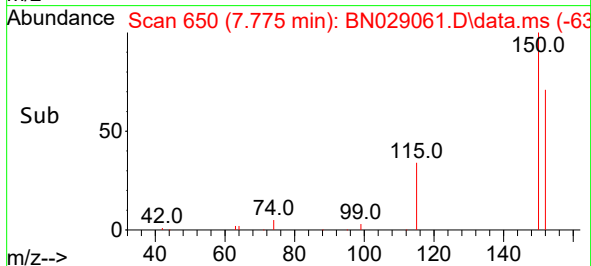


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN029061.D
 Acq: 06 Dec 2023 18:25

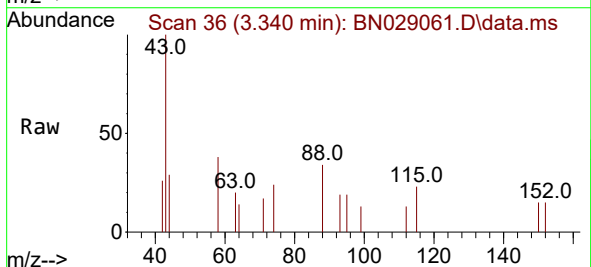
Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20231110



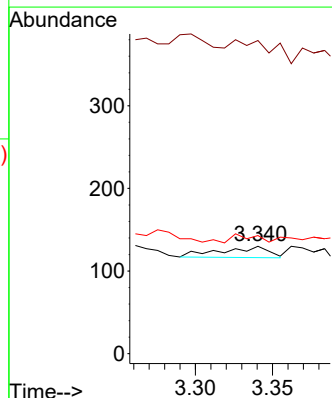
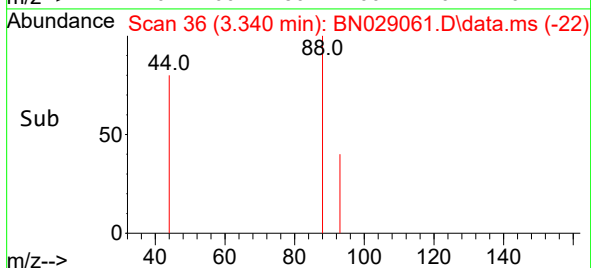
Tgt Ion:152 Resp: 918
 Ion Ratio Lower Upper
 152 100
 150 136.9 116.2 174.4
 115 54.7 45.1 67.7

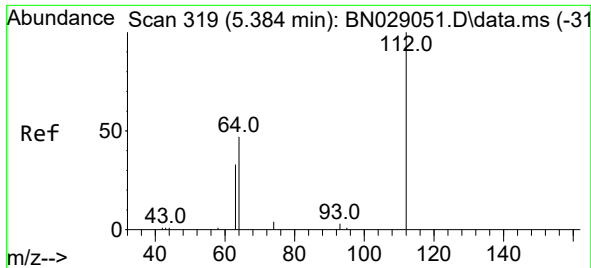


#2
 1,4-Dioxane
 Concen: 0.039 ng
 RT: 3.340 min Scan# 36
 Delta R.T. 0.000 min
 Lab File: BN029061.D
 Acq: 06 Dec 2023 18:25



Tgt Ion: 88 Resp: 29
 Ion Ratio Lower Upper
 88 100
 43 175.9 15.6 23.4#
 58 55.2 33.2 49.8#

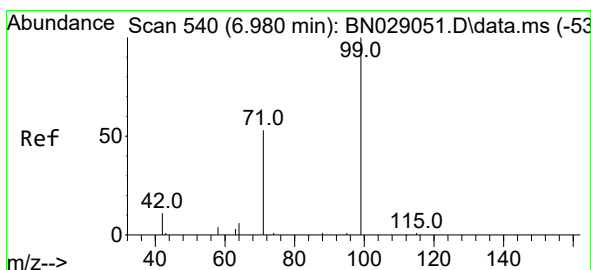
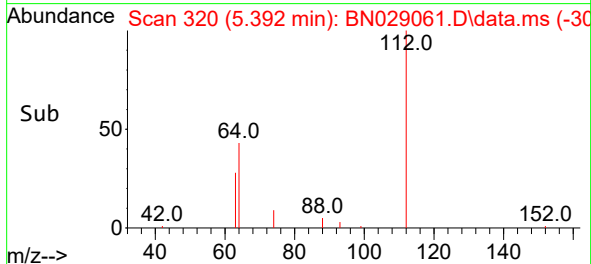
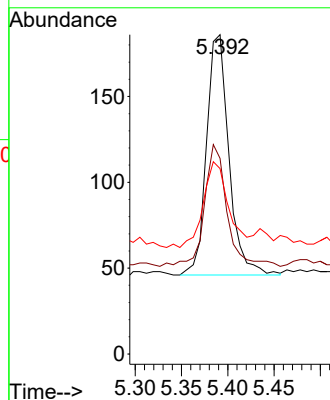
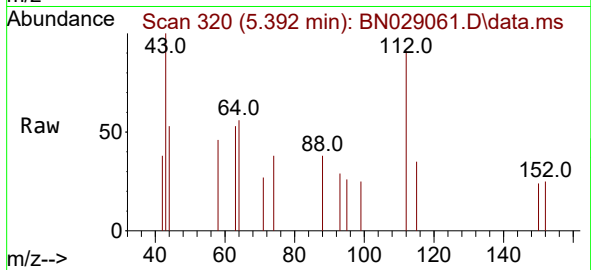




#4
2-Fluorophenol
Concen: 0.114 ng
RT: 5.392 min Scan# 319
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

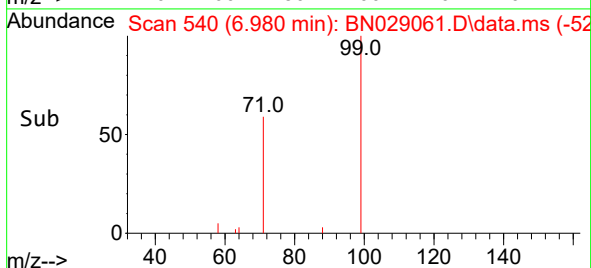
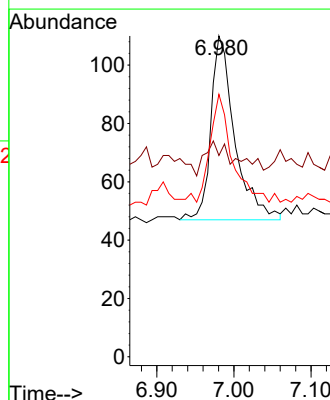
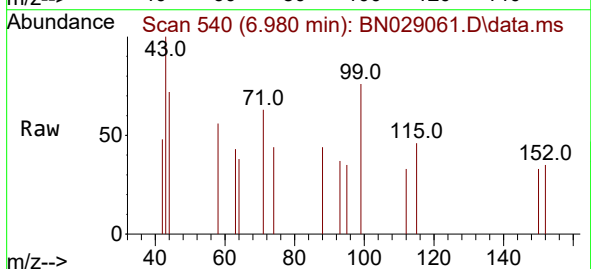
Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

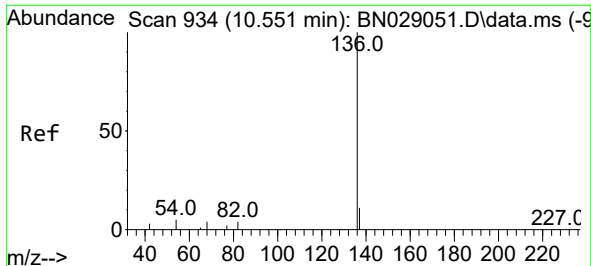
Tgt Ion:112 Resp: 236
Ion Ratio Lower Upper
112 100
64 50.8 37.0 55.6
63 39.8 29.0 43.6



#5
Phenol-d6
Concen: 0.054 ng
RT: 6.980 min Scan# 540
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion: 99 Resp: 135
Ion Ratio Lower Upper
99 100
42 19.3 13.4 20.2
71 54.1 47.8 71.6

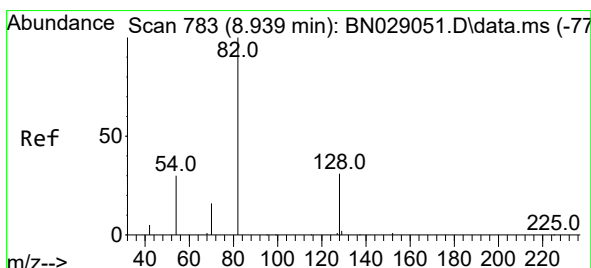
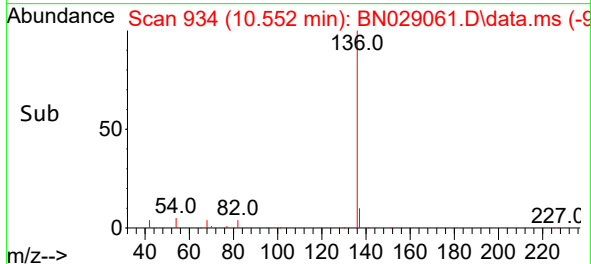
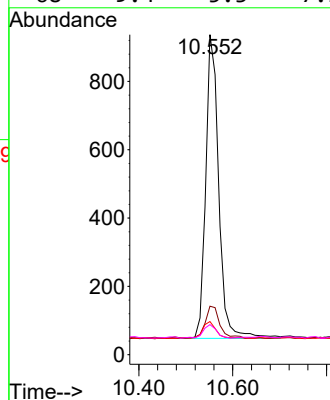
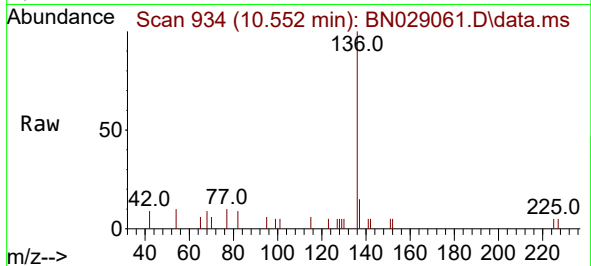




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

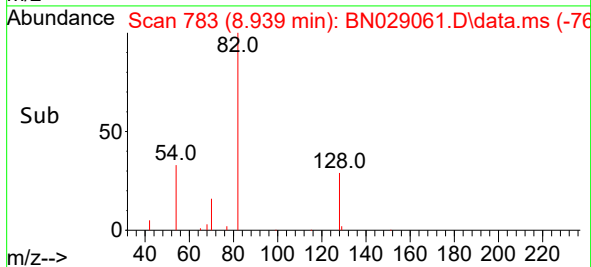
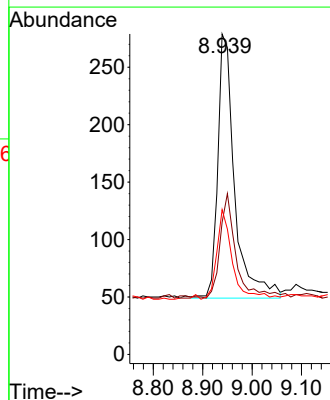
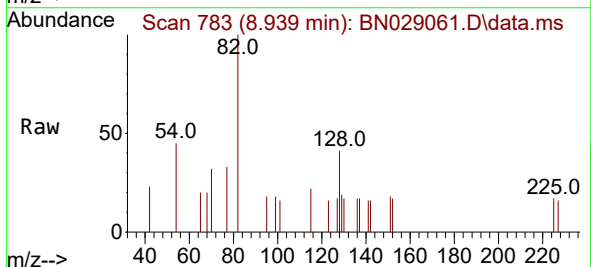
Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

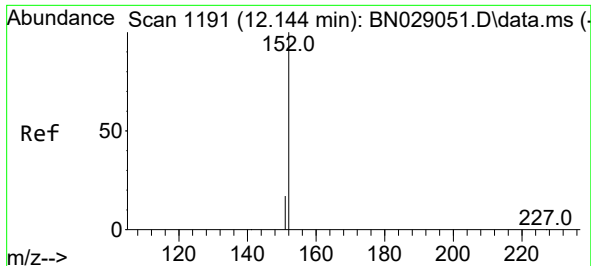
Tgt Ion:	136	Resp:	1709
Ion	Ratio	Lower	Upper
136	100		
137	15.2	11.9	17.9
54	10.4	6.4	9.6#
68	9.4	5.3	7.9#



#8
Nitrobenzene-d5
Concen: 0.265 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:	82	Resp:	547
Ion	Ratio	Lower	Upper
82	100		
128	41.2	28.2	42.4
54	45.2	32.1	48.1

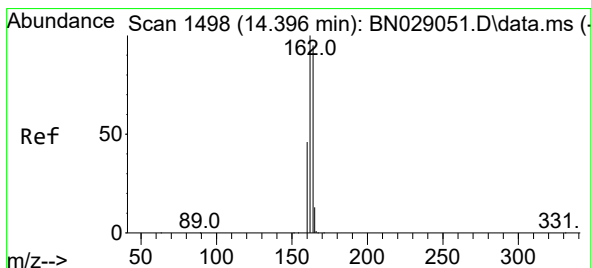
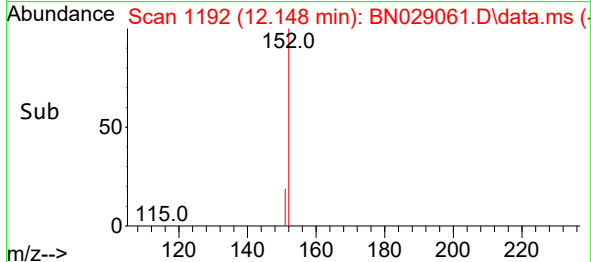
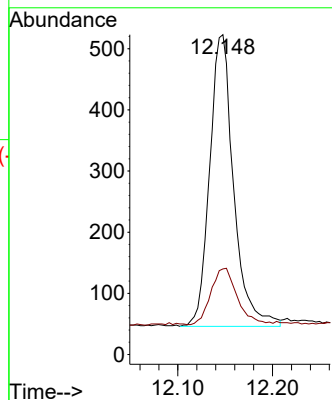
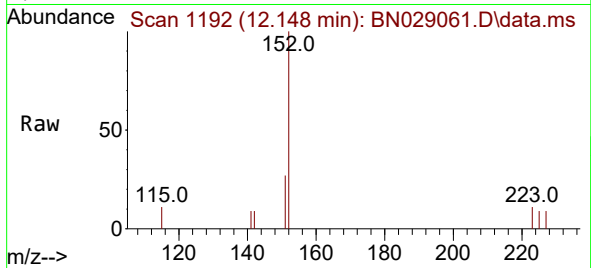




#11
2-Methylnaphthalene-d10
Concen: 0.234 ng
RT: 12.148 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

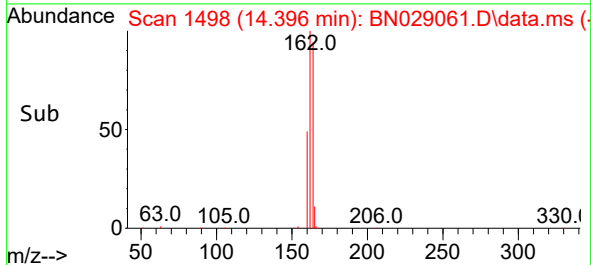
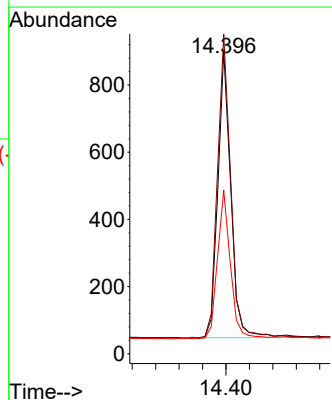
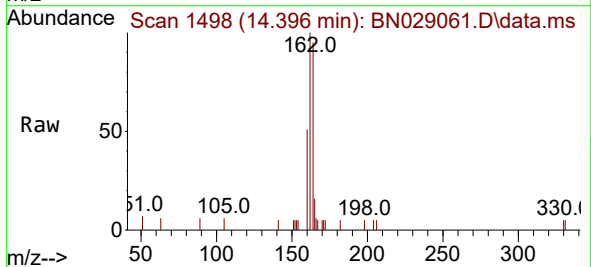
Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

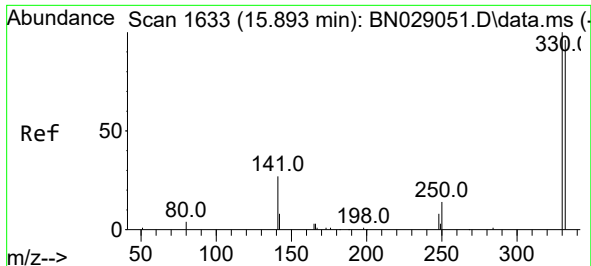
Tgt Ion:152 Resp: 840
Ion Ratio Lower Upper
152 100
151 21.1 17.4 26.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.396 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:164 Resp: 1297
Ion Ratio Lower Upper
164 100
162 105.5 85.0 127.6
160 54.0 41.3 61.9

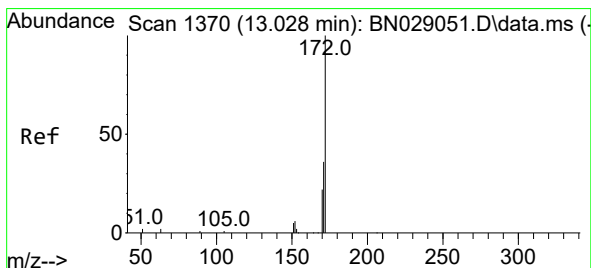
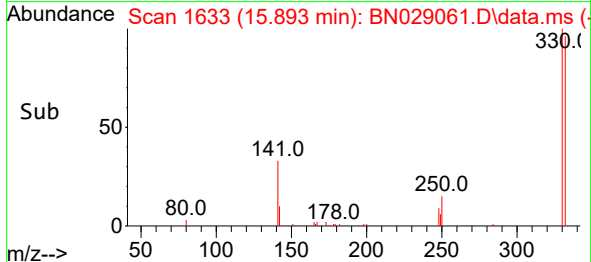
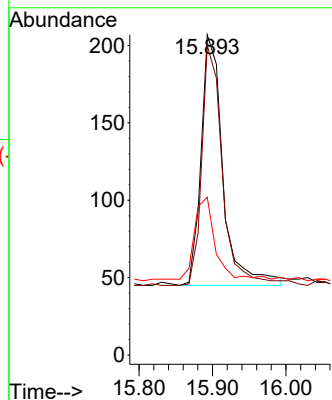
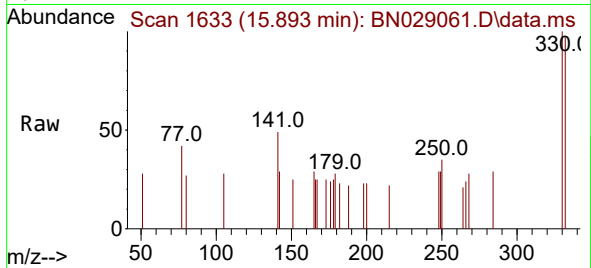




#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

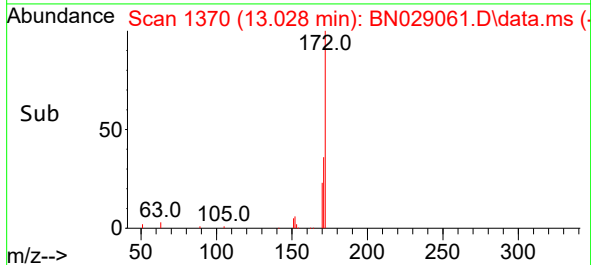
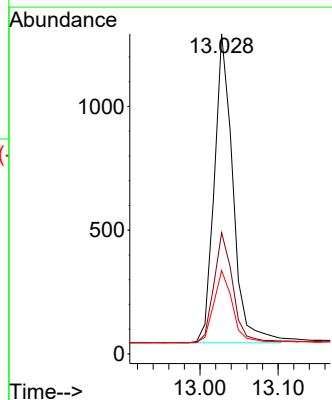
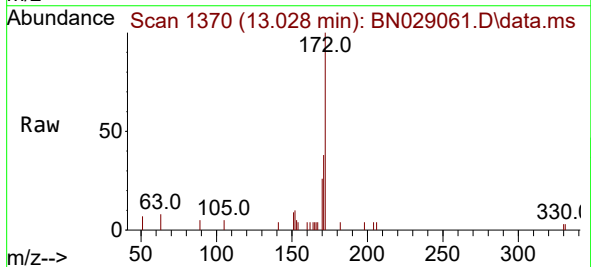
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ClientSampleId :
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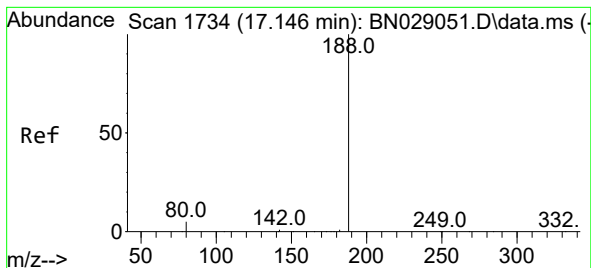
Tgt Ion:330 Resp: 334
Ion Ratio Lower Upper
330 100
332 89.5 78.8 118.2
141 30.2 28.7 43.1



#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:172 Resp: 2064
Ion Ratio Lower Upper
172 100
171 37.9 30.1 45.1
170 26.1 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.146 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA_N

ClientSampleId :

RE122D3-20231110

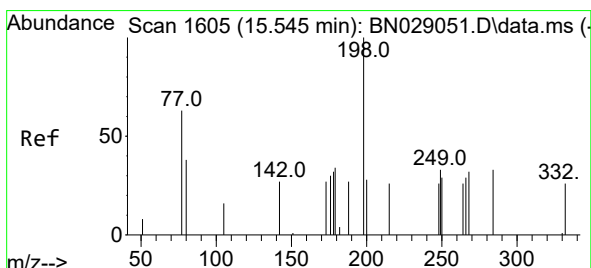
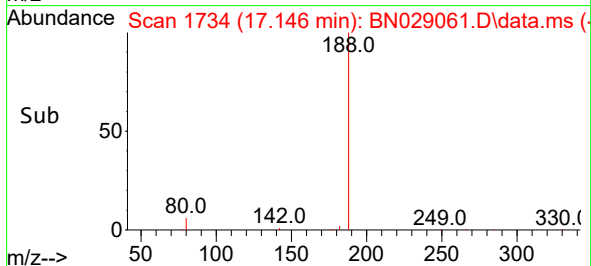
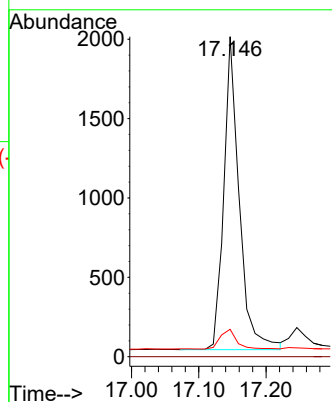
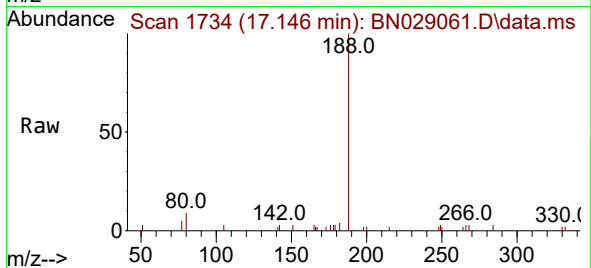
Tgt Ion:188 Resp: 3135

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.6 5.4 8.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.029 ng

RT: 15.558 min Scan# 1606

Delta R.T. 0.013 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

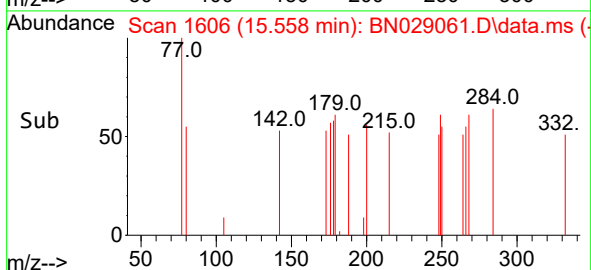
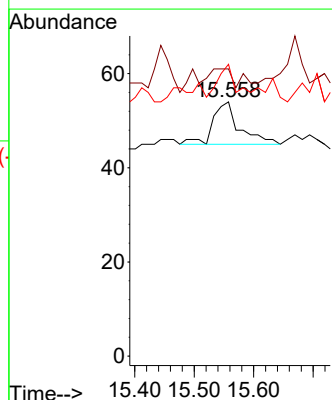
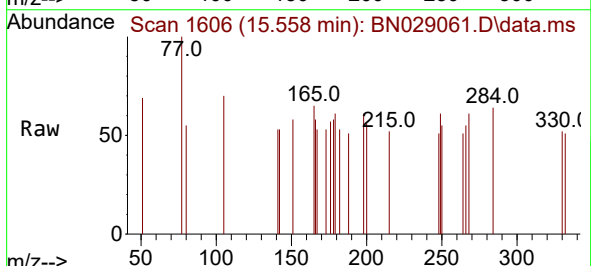
Tgt Ion:198 Resp: 27

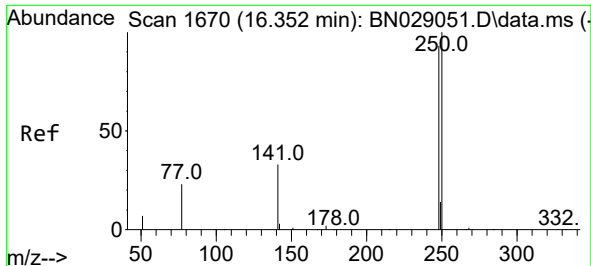
Ion Ratio Lower Upper

198 100

51 113.0 23.4 35.2#

105 114.8 29.0 43.4#

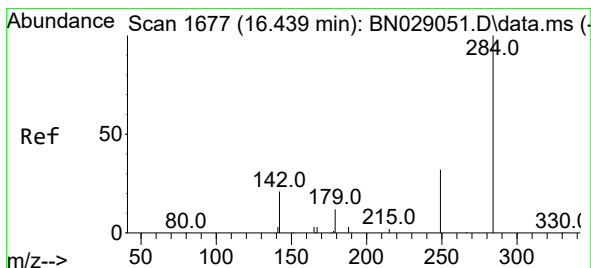
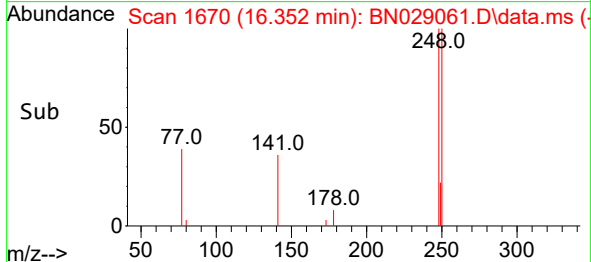
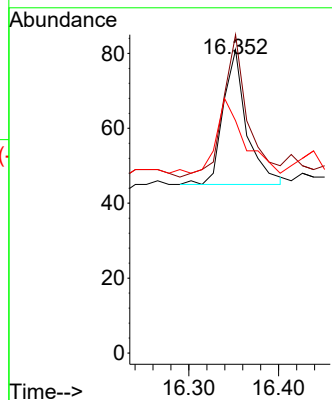
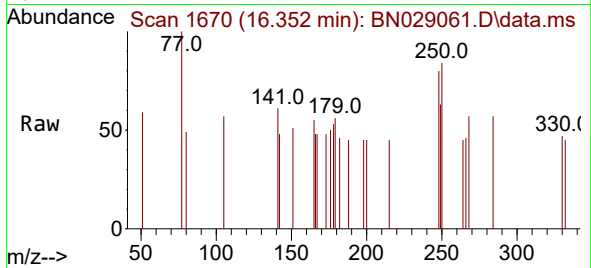




#21
4-Bromophenyl-phenylether
Concen: 0.023 ng
RT: 16.352 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

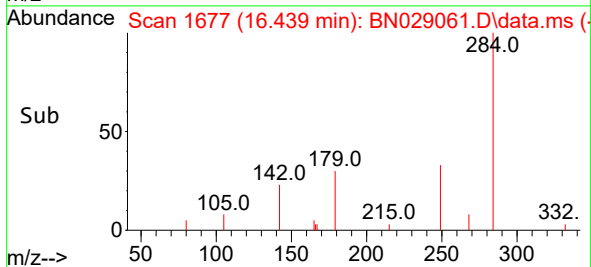
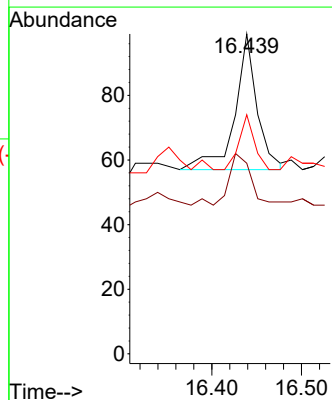
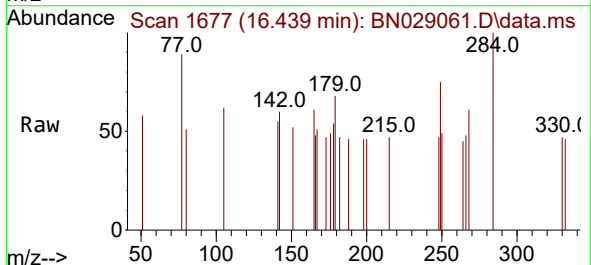
Instrument :
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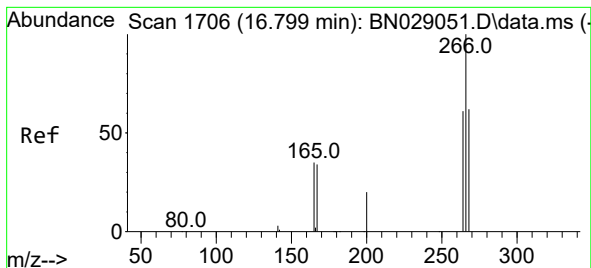
Tgt Ion:248 Resp: 66
Ion Ratio Lower Upper
248 100
250 104.9 81.3 121.9
141 76.5 31.2 46.8#



#22
Hexachlorobenzene
Concen: 0.022 ng
RT: 16.439 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:284 Resp: 72
Ion Ratio Lower Upper
284 100
142 38.9 28.0 42.0
249 27.8 27.8 41.8#





#24

Pentachlorophenol

Concen: 0.020 ng

RT: 16.799 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA_N

ClientSampleId :

RE122D3-20231110

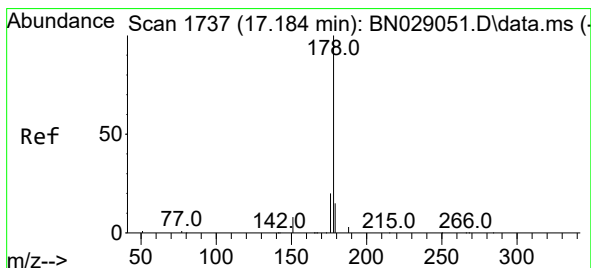
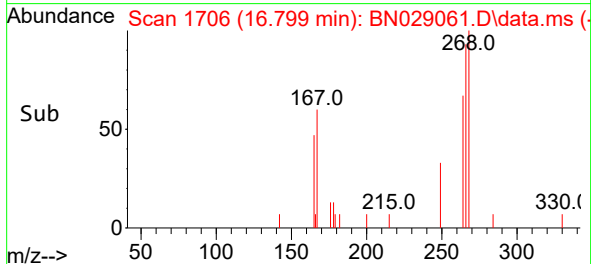
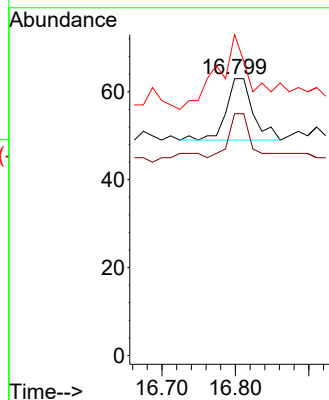
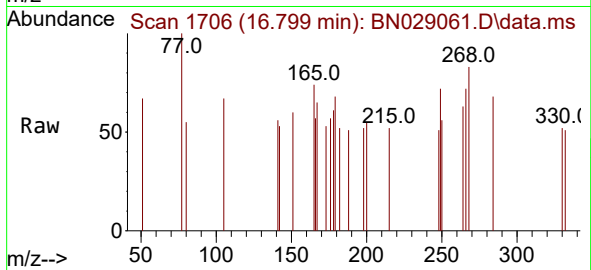
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 63.9 50.7 76.1

268 144.4 49.5 74.3#



#25

Phenanthrene

Concen: 0.028 ng

RT: 17.184 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

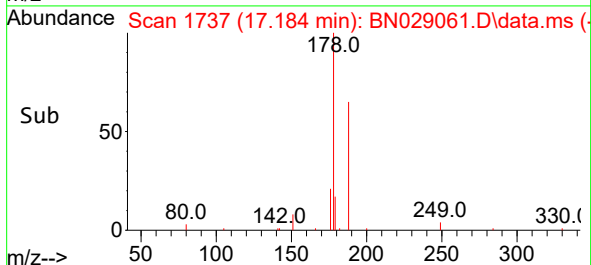
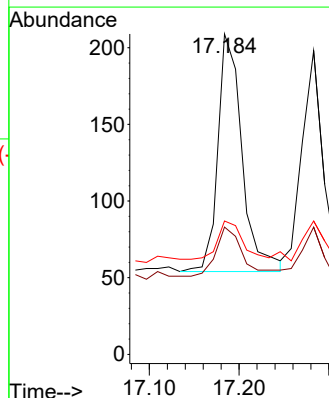
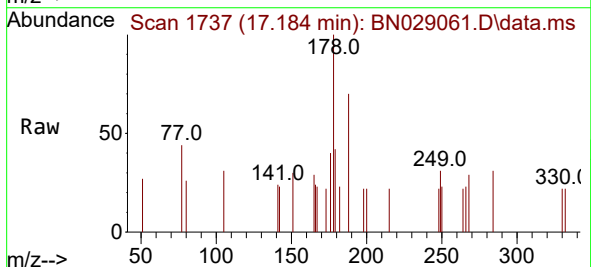
Tgt Ion:178 Resp: 291

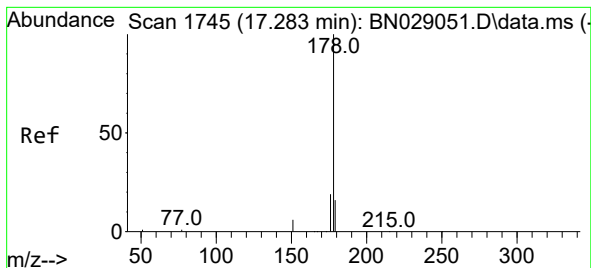
Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 18.9 12.6 18.8#





#26

Anthracene

Concen: 0.024 ng

RT: 17.283 min Scan# 1745

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

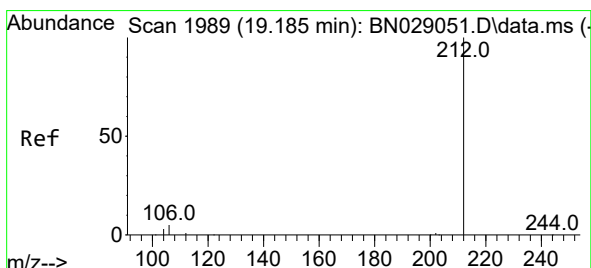
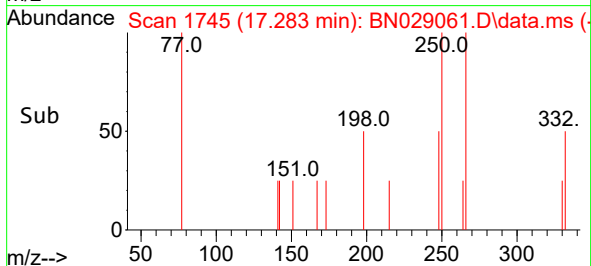
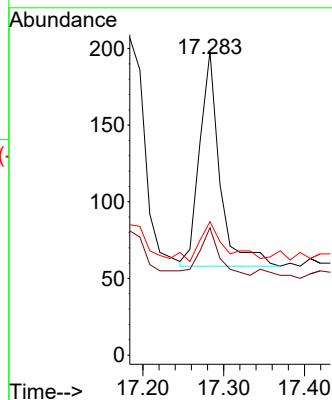
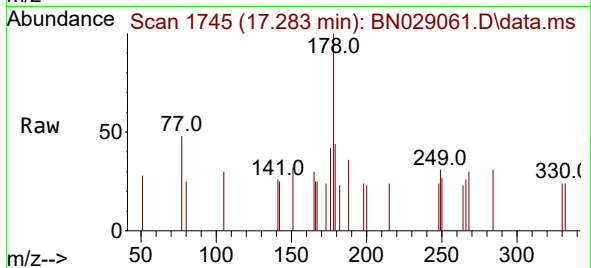
Instrument :

BNA_N

ClientSampleId :

RE122D3-20231110

Tgt Ion:	178	Resp:	244
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.0	22.4
179	20.9	12.6	19.0#



#27

Fluoranthene-d10

Concen: 0.317 ng

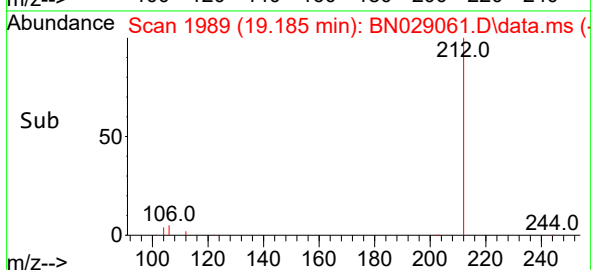
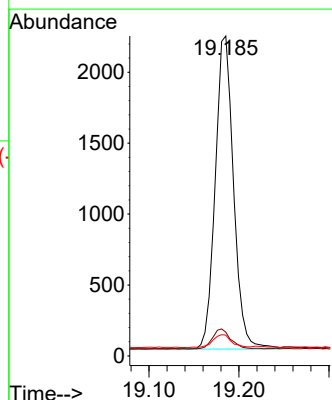
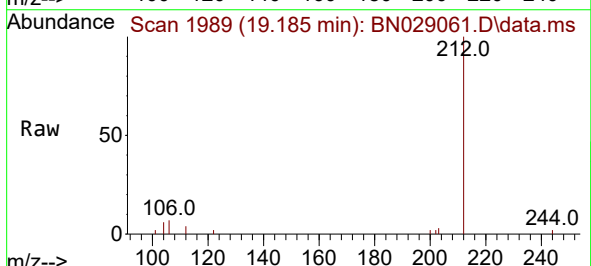
RT: 19.185 min Scan# 1989

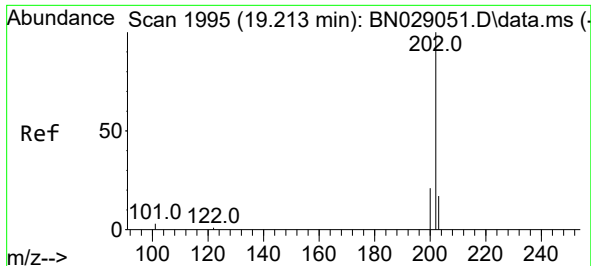
Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Tgt Ion:	212	Resp:	3127
Ion	Ratio	Lower	Upper
212	100		
106	6.6	3.9	5.9#
104	4.3	2.6	3.8#

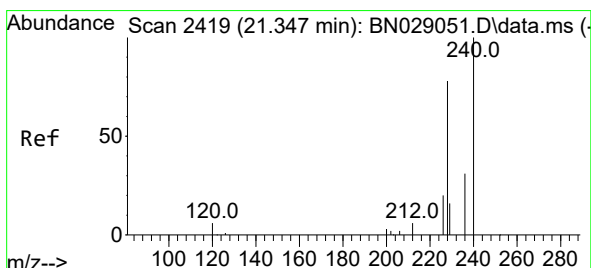
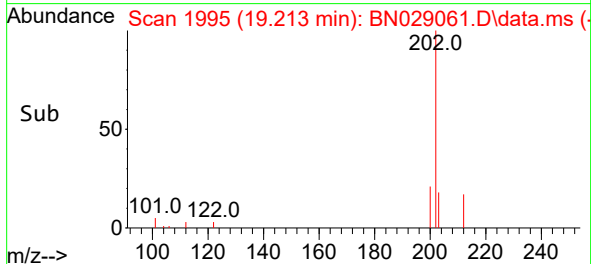
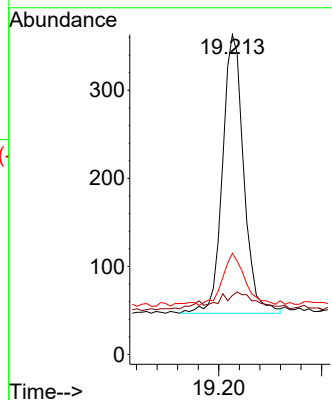
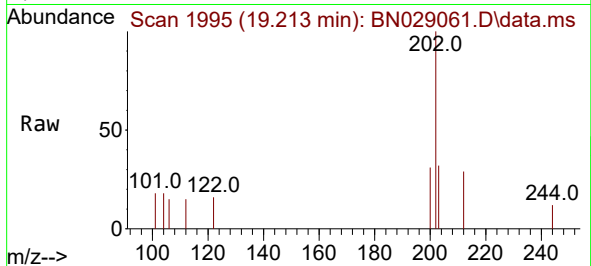




#28
Fluoranthene
Concen: 0.031 ng
RT: 19.213 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

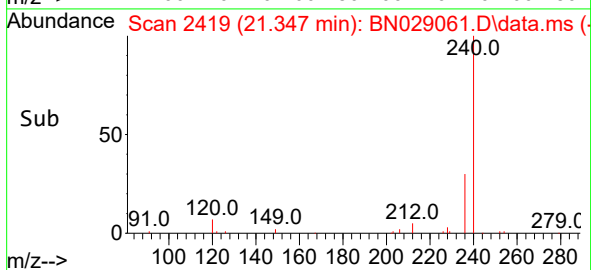
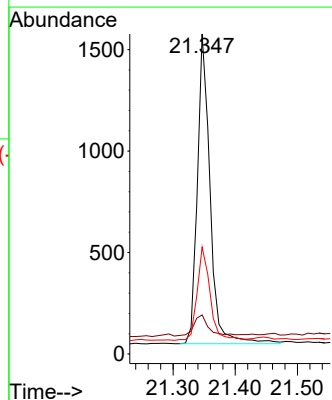
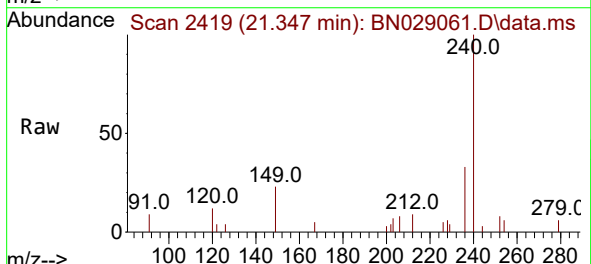
Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

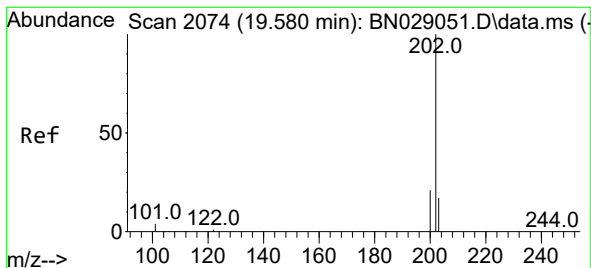
Tgt Ion:202 Resp: 452
Ion Ratio Lower Upper
202 100
101 9.7 3.0 4.6#
203 19.7 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:240 Resp: 2171
Ion Ratio Lower Upper
240 100
120 12.2 6.7 10.1#
236 33.4 25.7 38.5





#30

Pyrene

Concen: 0.029 ng

RT: 19.580 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA_N

ClientSampleId :

RE122D3-20231110

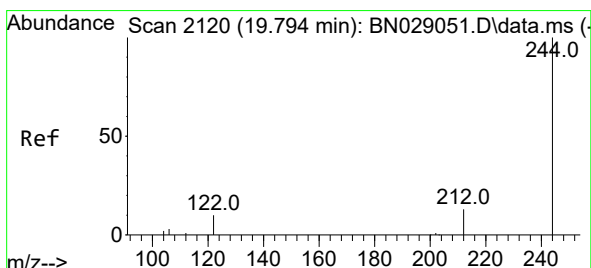
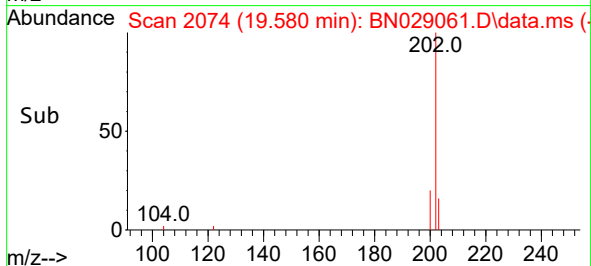
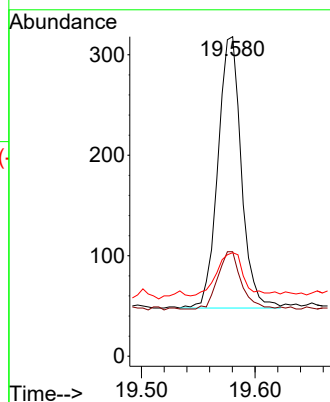
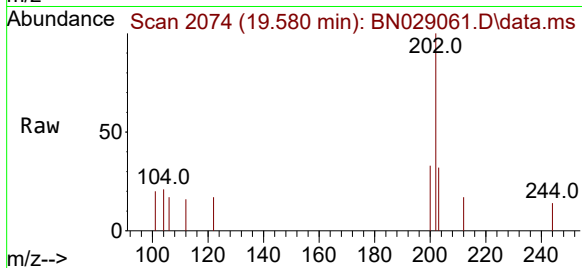
Tgt Ion:202 Resp: 386

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 18.1 14.2 21.4



#31

Terphenyl-d14

Concen: 0.403 ng

RT: 19.794 min Scan# 2120

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

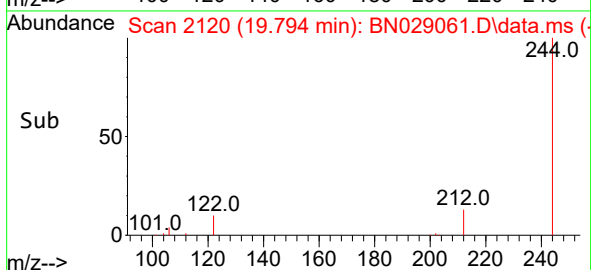
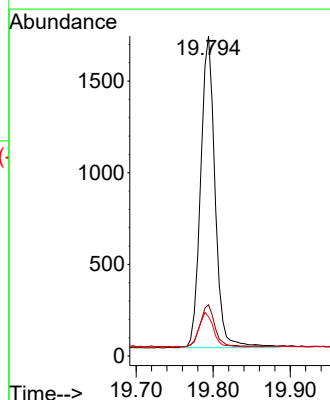
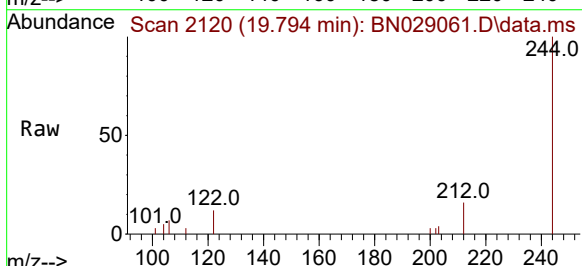
Tgt Ion:244 Resp: 2212

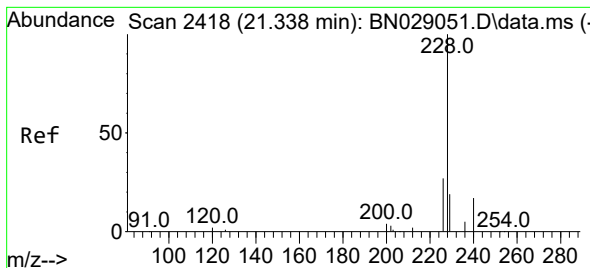
Ion Ratio Lower Upper

244 100

212 16.0 11.6 17.4

122 12.3 8.2 12.4





#32

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.329 min Scan# 2417

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

Instrument :

BNA_N

ClientSampleId :

RE122D3-20231110

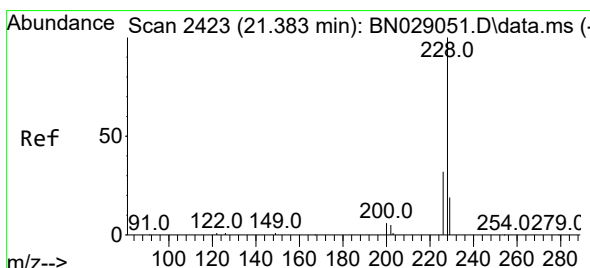
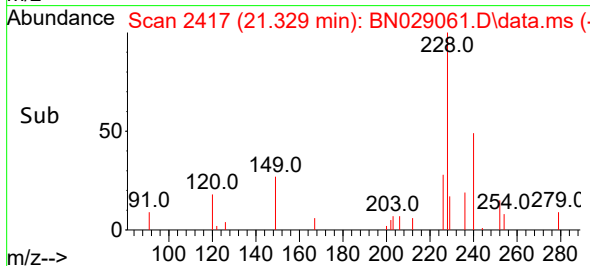
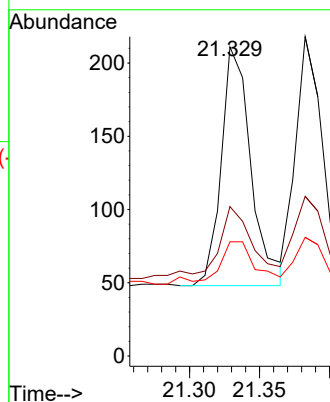
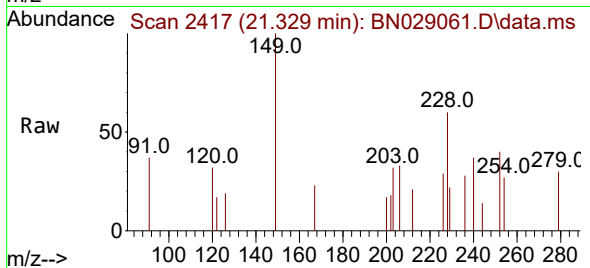
Tgt Ion:228 Resp: 241

Ion Ratio Lower Upper

228 100

226 48.3 23.8 35.6#

229 37.0 16.0 24.0#



#33

Chrysene

Concen: 0.021 ng

RT: 21.383 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BN029061.D

Acq: 06 Dec 2023 18:25

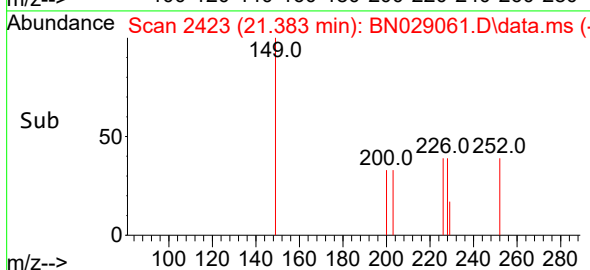
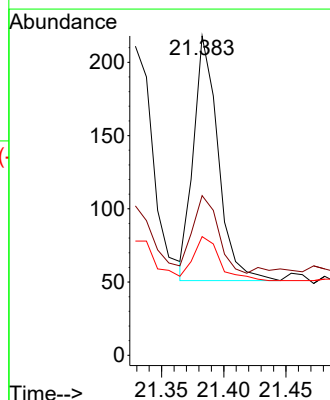
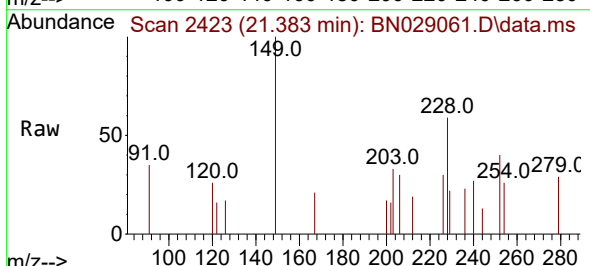
Tgt Ion:228 Resp: 229

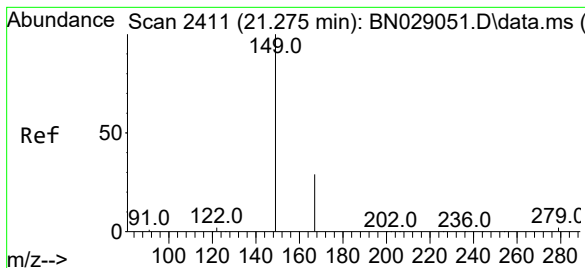
Ion Ratio Lower Upper

228 100

226 50.0 25.4 38.0#

229 37.2 16.0 24.0#

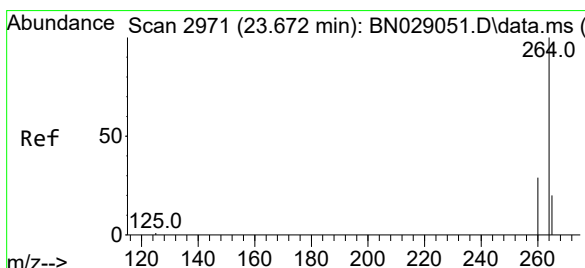
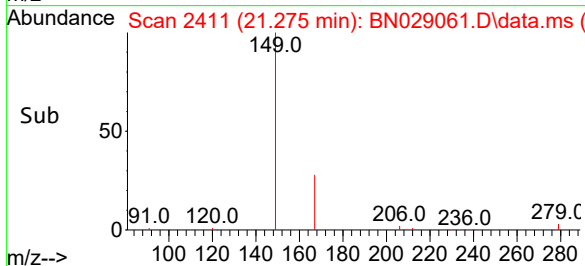
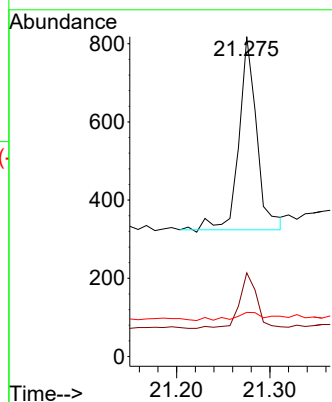
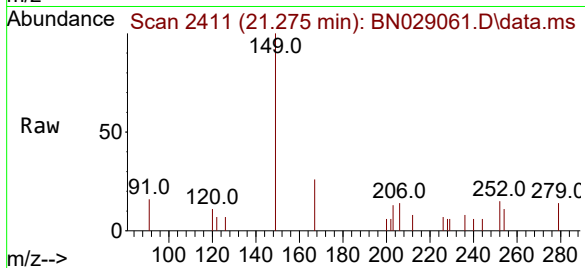




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.097 ng
 RT: 21.275 min Scan# 2411
 Delta R.T. 0.000 min
 Lab File: BN029061.D
 Acq: 06 Dec 2023 18:25

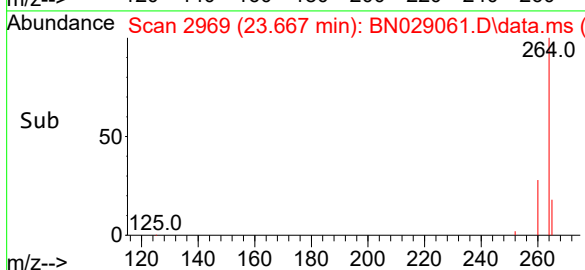
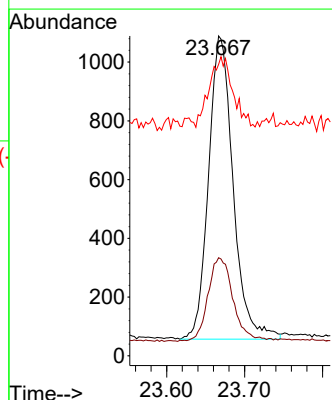
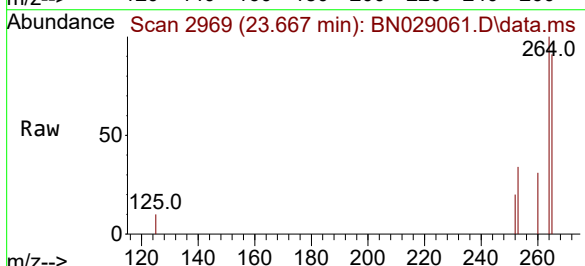
Instrument :
 BNA_N
 ClientSampleId :
 RE122D3-20231110

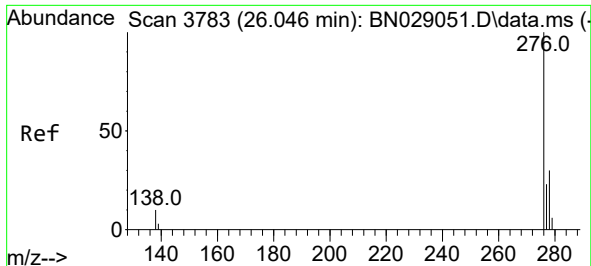
Tgt Ion:149 Resp: 656
 Ion Ratio Lower Upper
 149 100
 167 28.4 23.4 35.2
 279 6.1 3.4 5.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.667 min Scan# 2969
 Delta R.T. -0.003 min
 Lab File: BN029061.D
 Acq: 06 Dec 2023 18:25

Tgt Ion:264 Resp: 2258
 Ion Ratio Lower Upper
 264 100
 260 30.7 23.9 35.9
 265 91.1 52.7 79.1#

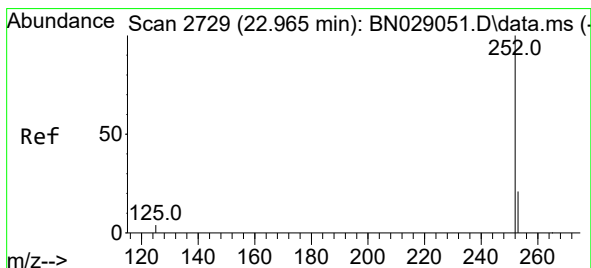
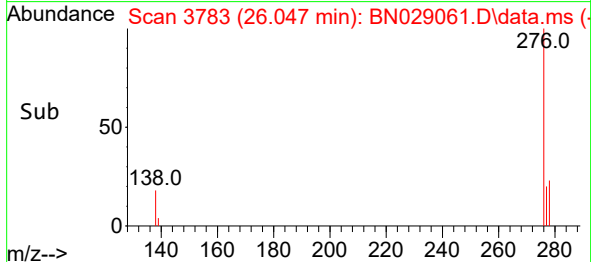
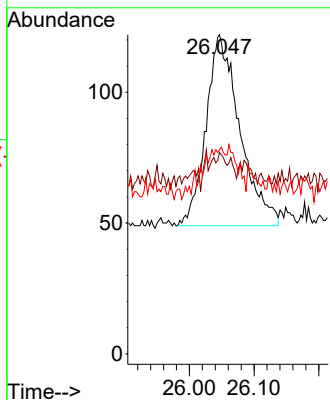
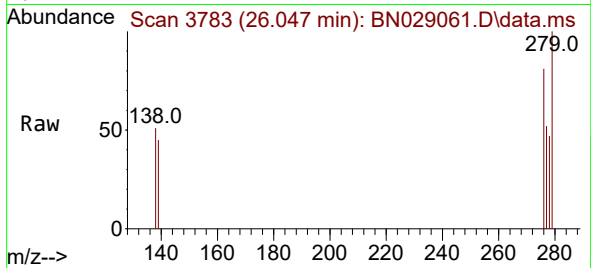




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 26.047 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

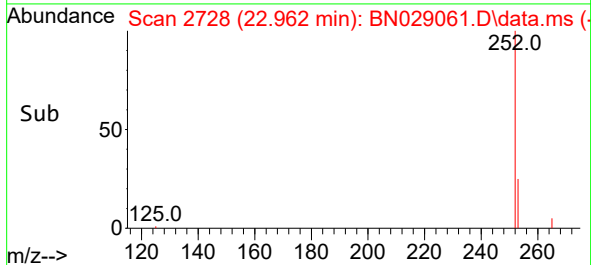
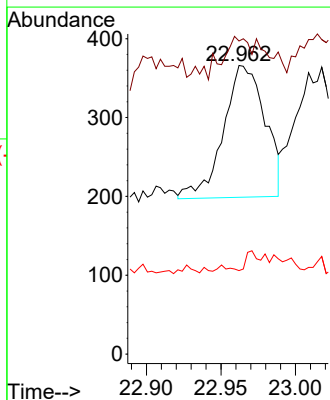
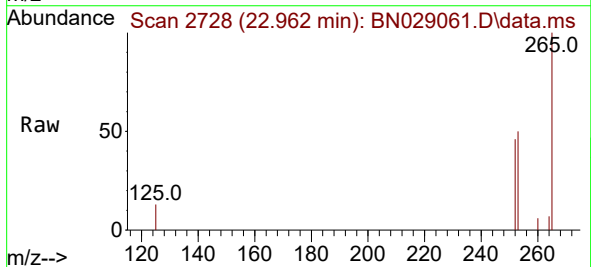
Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

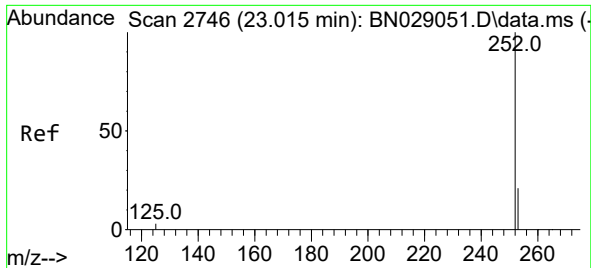
Tgt Ion:276 Resp: 265
Ion Ratio Lower Upper
276 100
138 0.4 9.6 14.4#
277 10.6 19.4 29.0#



#37
Benzo(b)fluoranthene
Concen: 0.027 ng
RT: 22.962 min Scan# 2728
Delta R.T. -0.003 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:252 Resp: 325
Ion Ratio Lower Upper
252 100
253 108.5 23.0 34.6#
125 29.0 5.4 8.0#

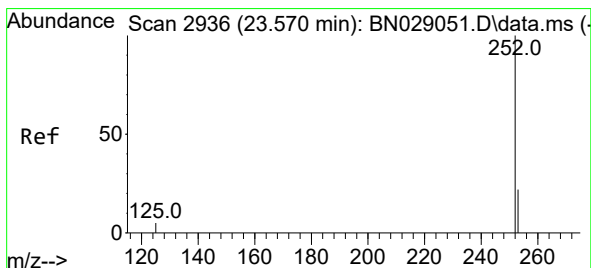
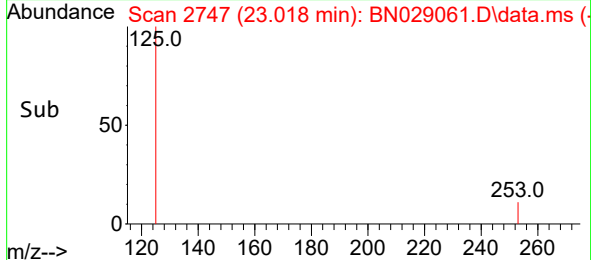
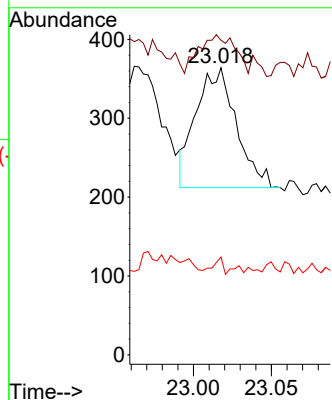
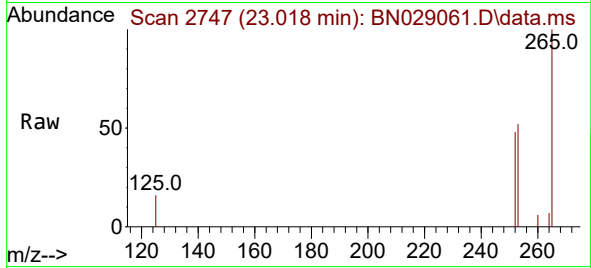




#38
Benzo(k)fluoranthene
Concen: 0.024 ng
RT: 23.018 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Instrument :
BNA_N
ClientSampleId :
RE122D3-20231110

Tgt Ion:252 Resp: 273
Ion Ratio Lower Upper
252 100
253 109.6 23.0 34.4#
125 34.1 5.0 7.6#



#39
Benzo(a)pyrene
Concen: 0.023 ng
RT: 23.567 min Scan# 2935
Delta R.T. 0.003 min
Lab File: BN029061.D
Acq: 06 Dec 2023 18:25

Tgt Ion:252 Resp: 227
Ion Ratio Lower Upper
252 100
253 129.0 25.3 37.9#
125 40.3 6.5 9.7#

