

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029116.D
 Acq On : 08 Dec 2023 07:30
 Operator : MA/JU
 Sample : 05611-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-2

Quant Time: Dec 08 07:59:34 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

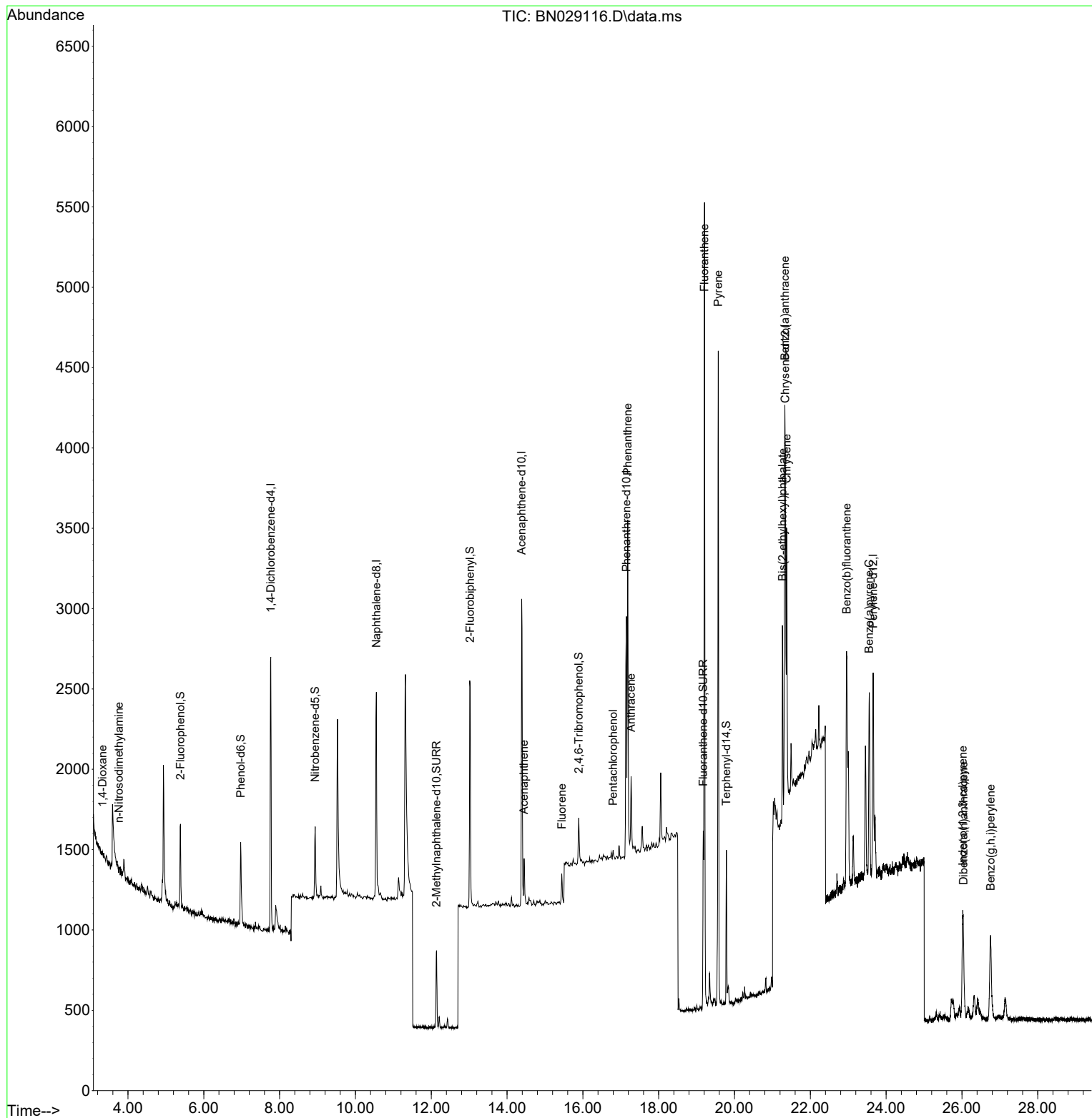
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	878	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	1797	0.400	ng	-0.01
13) Acenaphthene-d10	14.386	164	1156	0.400	ng	-0.01
19) Phenanthrene-d10	17.147	188	2404	0.400	ng	# 0.00
29) Chrysene-d12	21.338	240	1424	0.400	ng	# 0.00
35) Perylene-d12	23.658	264	1689	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	427	0.215	ng	0.00
5) Phenol-d6	6.973	99	497	0.209	ng	0.00
8) Nitrobenzene-d5	8.939	82	466	0.215	ng	0.00
11) 2-Methylnaphthalene-d10	12.136	152	688	0.182	ng	-0.01
14) 2,4,6-Tribromophenol	15.893	330	180	0.141	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	1391	0.232	ng	0.00
27) Fluoranthene-d10	19.176	212	1327	0.176	ng	0.00
31) Terphenyl-d14	19.785	244	889	0.247	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.326	88	15	0.021	ng	# 1
3) n-Nitrosodimethylamine	3.759	42	10	0.023	ng	# 1
17) Acenaphthene	14.450	154	148	0.037	ng	90
18) Fluorene	15.444	166	145	0.023	ng	# 91
24) Pentachlorophenol	16.799	266	43	0.032	ng	# 81
25) Phenanthrene	17.184	178	2201	0.274	ng	99
26) Anthracene	17.271	178	513	0.066	ng	# 90
28) Fluoranthene	19.209	202	4662	0.423	ng	# 99
30) Pyrene	19.571	202	3844	0.435	ng	# 94
32) Benzo(a)anthracene	21.329	228	1955	0.271	ng	95
33) Chrysene	21.374	228	1662	0.234	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.266	149	1172	0.263	ng	96
36) Indeno(1,2,3-cd)pyrene	26.023	276	1268	0.147	ng	# 93
37) Benzo(b)fluoranthene	22.959	252	2714	0.299	ng	# 76
39) Benzo(a)pyrene	23.553	252	1804	0.240	ng	# 74
40) Dibenzo(a,h)anthracene	26.038	278	170	0.026	ng	# 1
41) Benzo(g,h,i)perylene	26.757	276	1241	0.171	ng	# 75

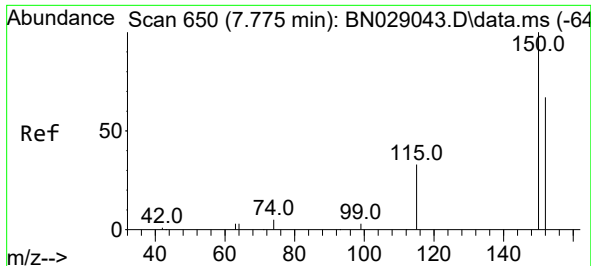
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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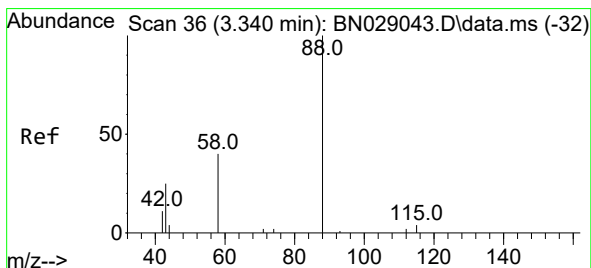
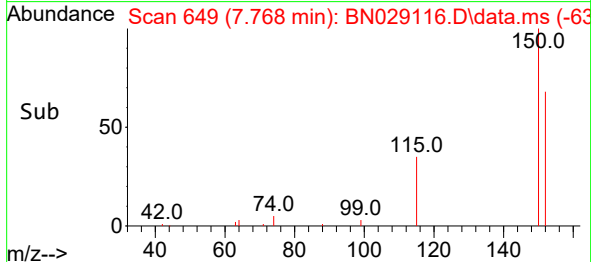
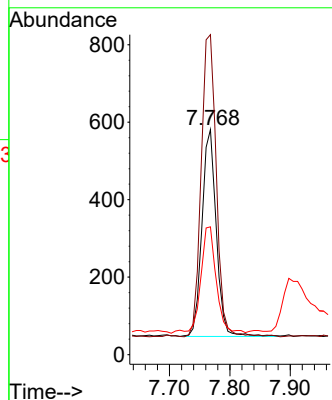
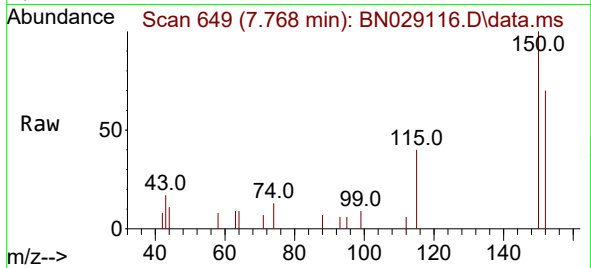




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

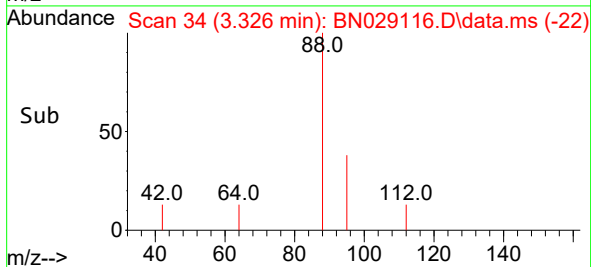
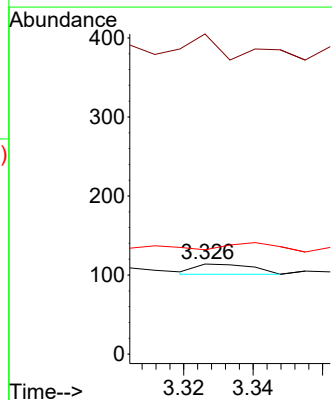
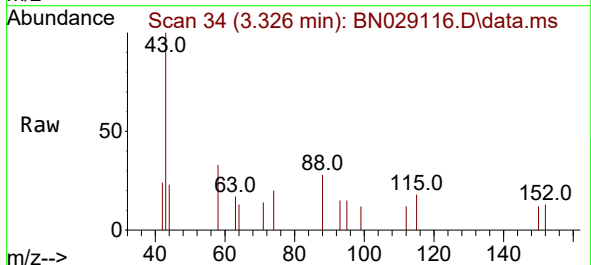
Instrument :
 BNA_N
 ClientSampleId :
 PE-2

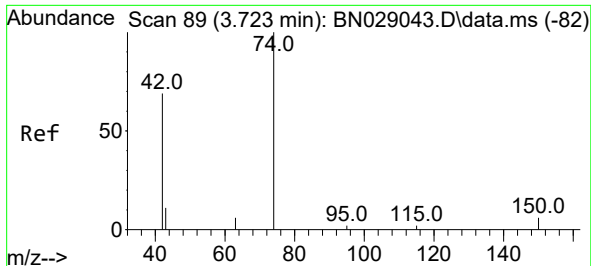
Tgt Ion:152 Resp: 878
 Ion Ratio Lower Upper
 152 100
 150 142.2 116.2 174.4
 115 56.8 45.1 67.7



#2
 1,4-Dioxane
 Concen: 0.021 ng
 RT: 3.326 min Scan# 34
 Delta R.T. -0.014 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

Tgt Ion: 88 Resp: 15
 Ion Ratio Lower Upper
 88 100
 43 113.3 15.6 23.4#
 58 80.0 33.2 49.8#

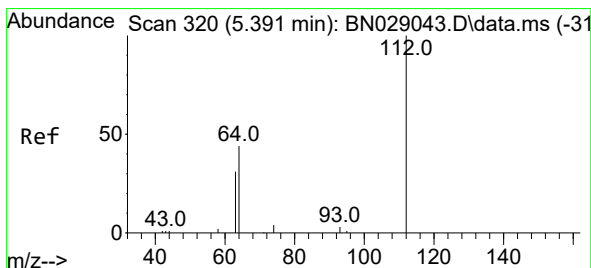
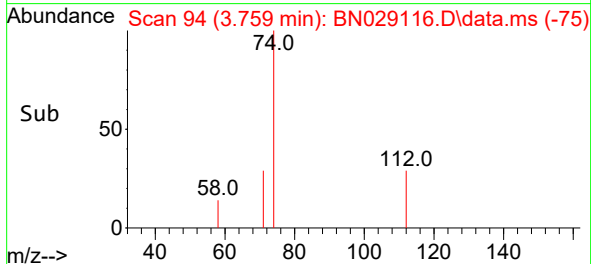
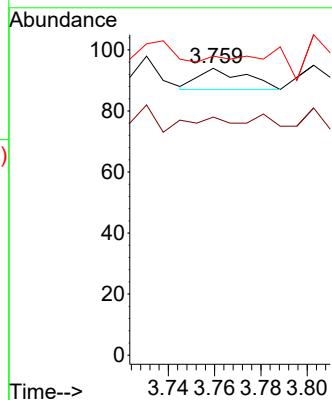
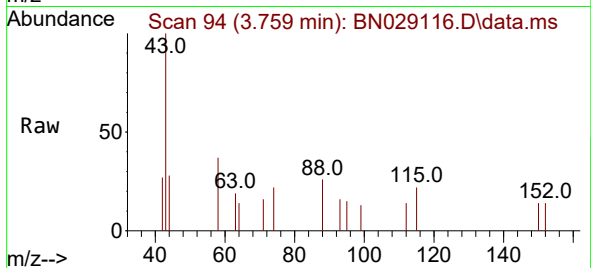




#3
n-Nitrosodimethylamine
Concen: 0.023 ng
RT: 3.759 min Scan# 94
Delta R.T. 0.036 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

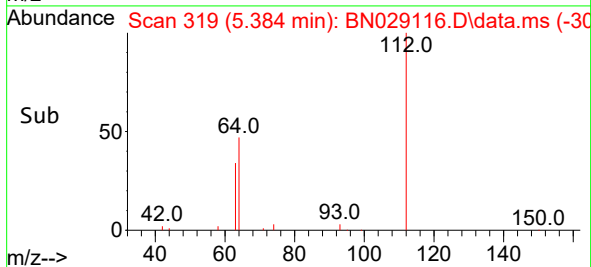
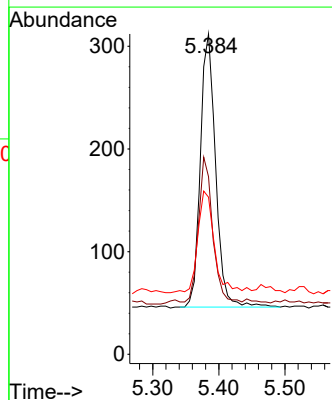
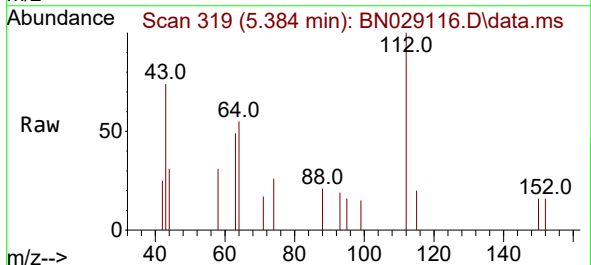
Instrument :
BNA_N
ClientSampleId :
PE-2

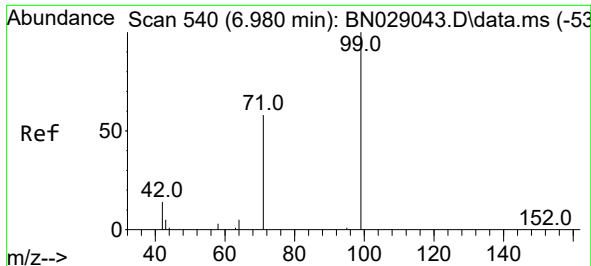
Tgt Ion: 42 Resp: 10
Ion Ratio Lower Upper
42 100
74 10.0 106.3 159.5#
44 0.0 0.0 0.0



#4
2-Fluorophenol
Concen: 0.215 ng
RT: 5.384 min Scan# 319
Delta R.T. -0.007 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion: 112 Resp: 427
Ion Ratio Lower Upper
112 100
64 50.4 37.0 55.6
63 39.8 29.0 43.6

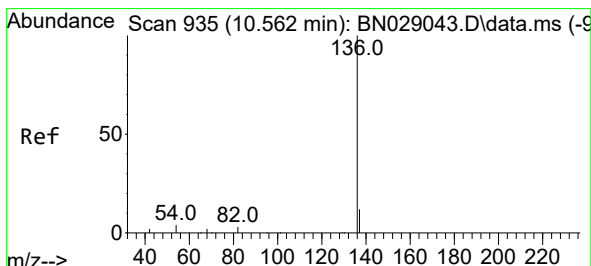
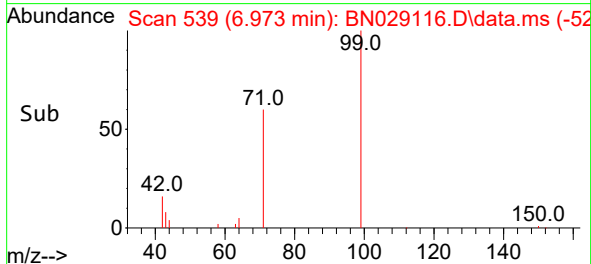
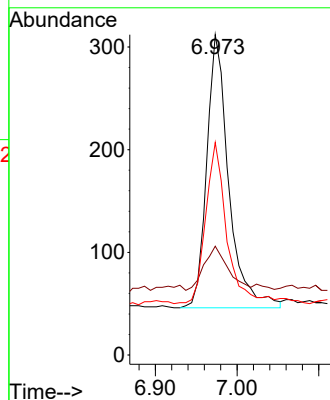
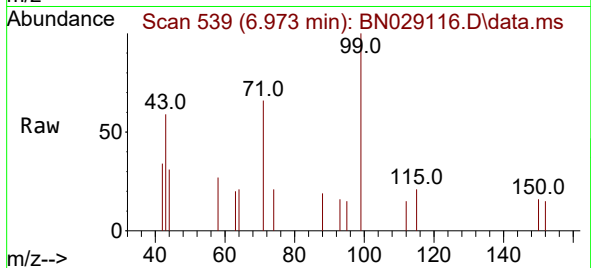




#5
Phenol-d6
Concen: 0.209 ng
RT: 6.973 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

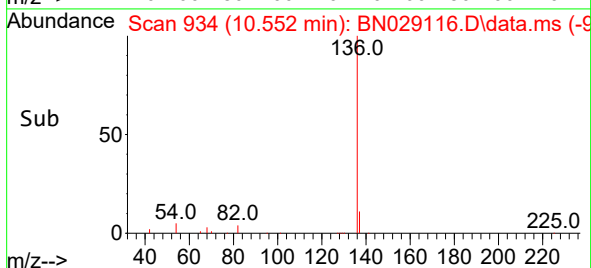
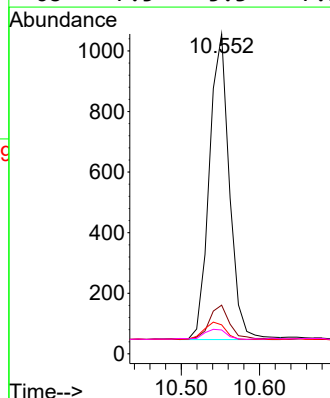
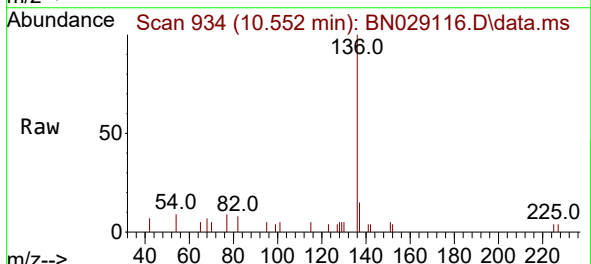
Instrument :
BNA_N
ClientSampleId :
PE-2

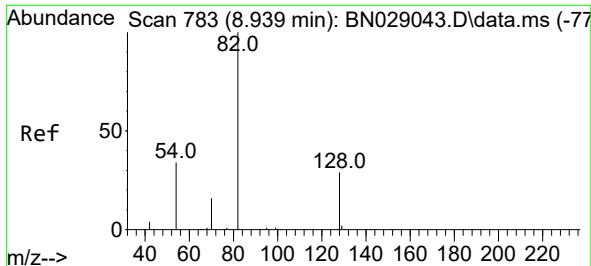
Tgt Ion: 99 Resp: 497
Ion Ratio Lower Upper
99 100
42 17.5 13.4 20.2
71 57.9 47.8 71.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 934
Delta R.T. -0.011 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion: 136 Resp: 1797
Ion Ratio Lower Upper
136 100
137 15.2 11.9 17.9
54 9.1 6.4 9.6
68 7.5 5.3 7.9

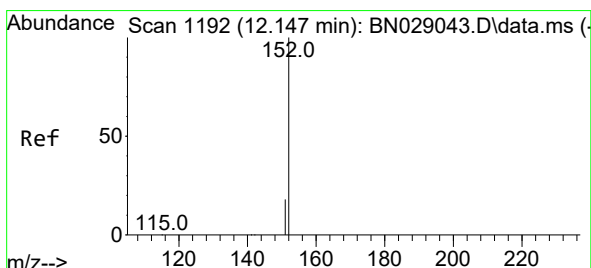
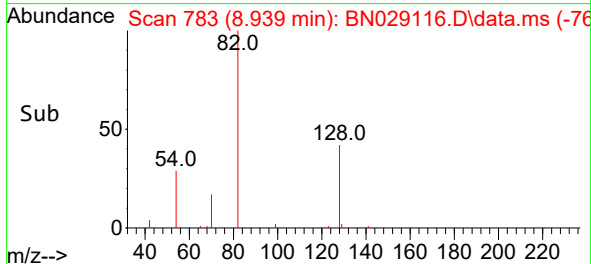
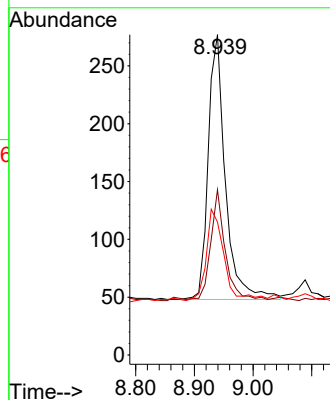
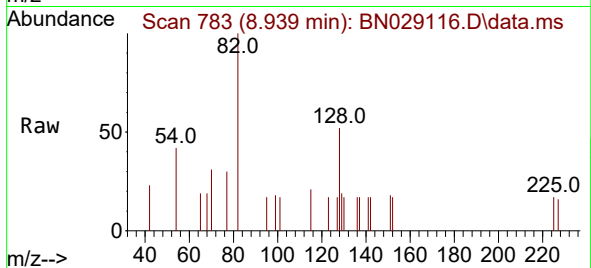




#8
Nitrobenzene-d5
Concen: 0.215 ng
RT: 8.939 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

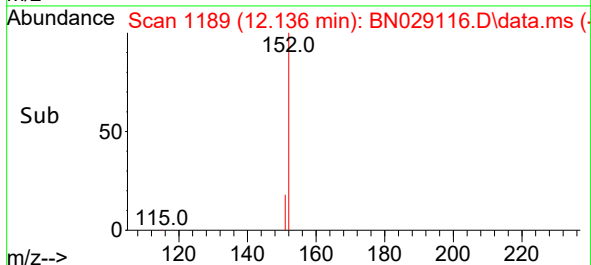
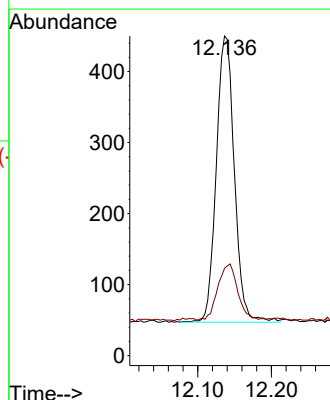
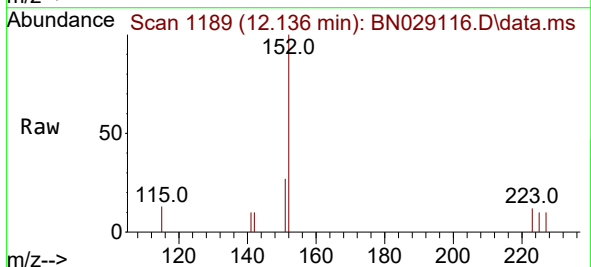
Instrument :
BNA_N
ClientSampleId :
PE-2

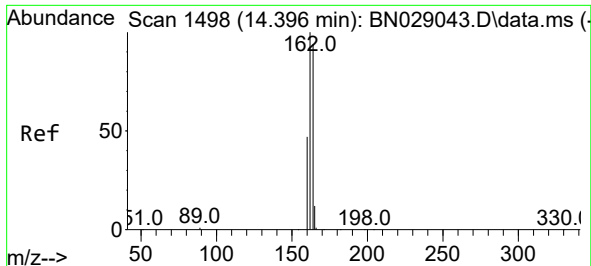
Tgt Ion: 82 Resp: 466
Ion Ratio Lower Upper
82 100
128 51.6 28.2 42.4#
54 41.5 32.1 48.1



#11
2-Methylnaphthalene-d10
Concen: 0.182 ng
RT: 12.136 min Scan# 1189
Delta R.T. -0.011 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:152 Resp: 688
Ion Ratio Lower Upper
152 100
151 22.4 17.4 26.0

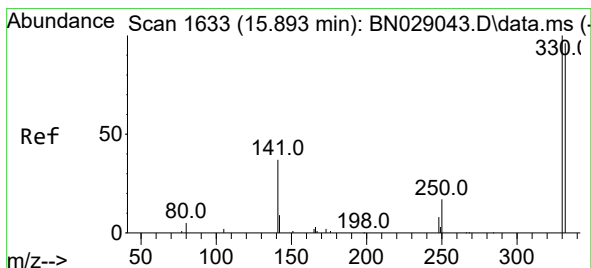
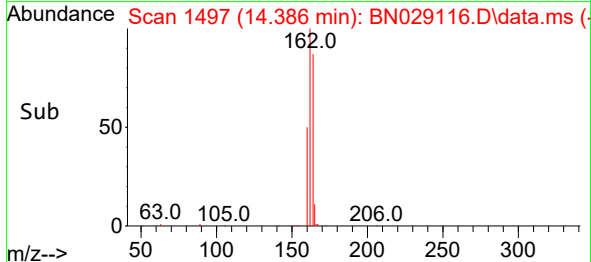
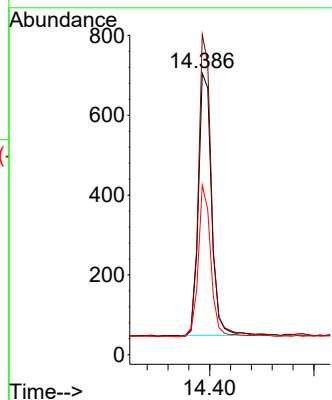
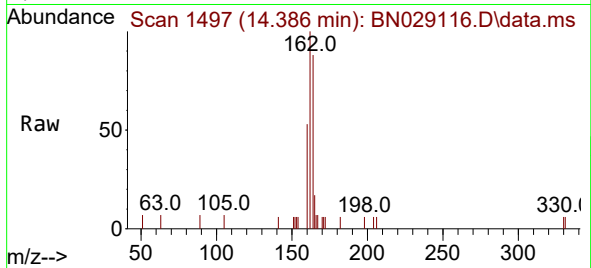




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.386 min Scan# 1498
Delta R.T. -0.011 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

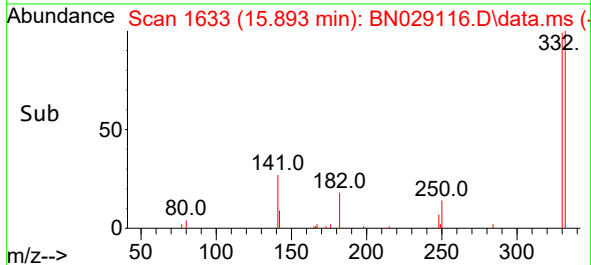
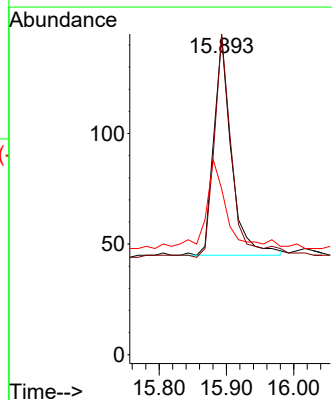
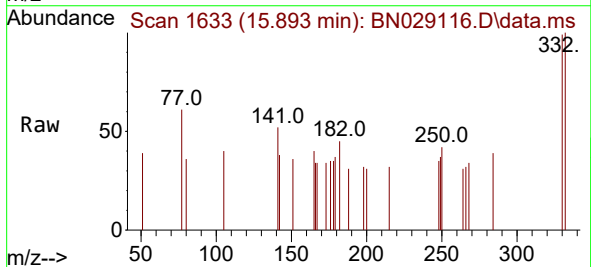
Instrument :
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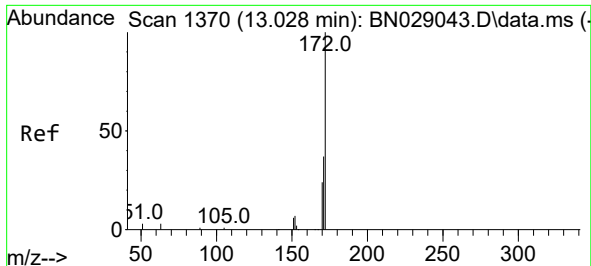
Tgt Ion:164 Resp: 1156
Ion Ratio Lower Upper
164 100
162 113.8 85.0 127.6
160 60.3 41.3 61.9



#14
2,4,6-Tribromophenol
Concen: 0.141 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:330 Resp: 180
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 42.2 28.7 43.1

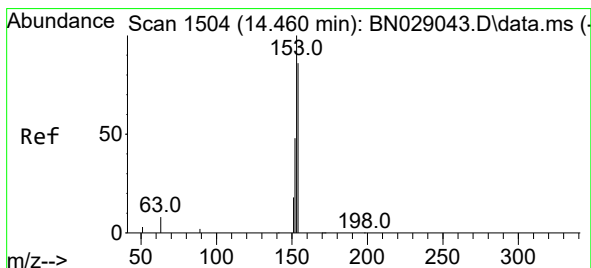
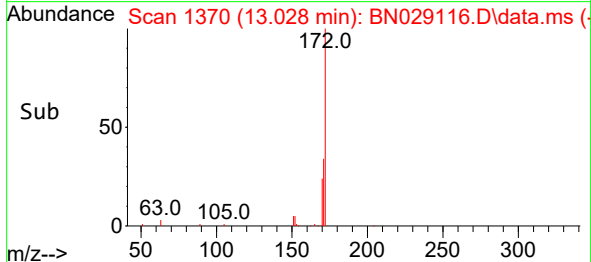
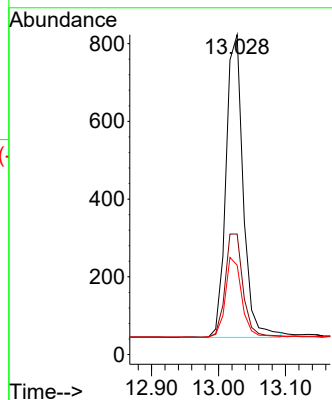
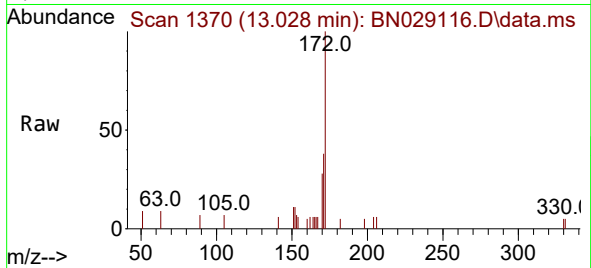




#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

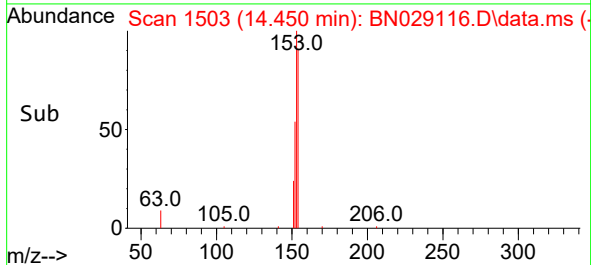
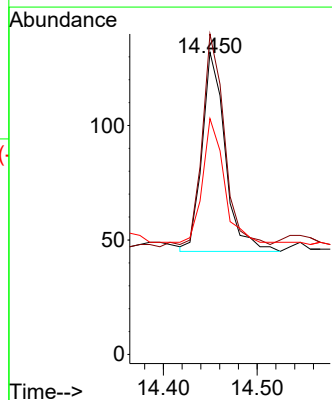
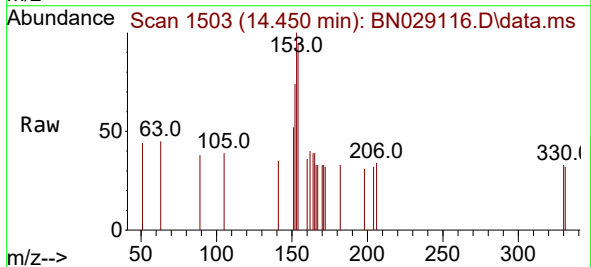
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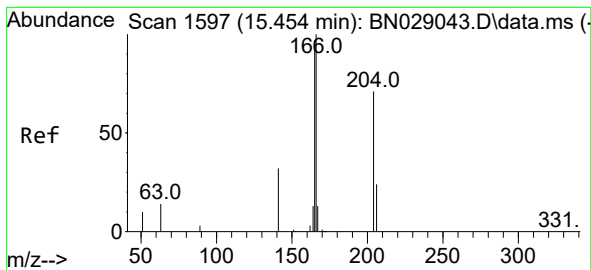
Tgt Ion:172 Resp: 1391
Ion Ratio Lower Upper
172 100
171 37.7 30.1 45.1
170 27.9 20.3 30.5



#17
Acenaphthene
Concen: 0.037 ng
RT: 14.450 min Scan# 1503
Delta R.T. -0.011 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:154 Resp: 148
Ion Ratio Lower Upper
154 100
153 104.7 93.0 139.6
152 62.2 44.2 66.4





#18

Fluorene

Concen: 0.023 ng

RT: 15.444 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN029116.D

Acq: 08 Dec 2023 07:30

Instrument :

BNA_N

ClientSampleId :

PE-2

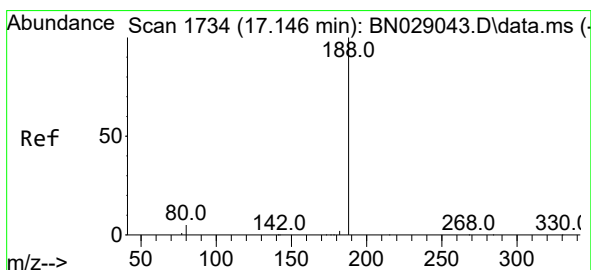
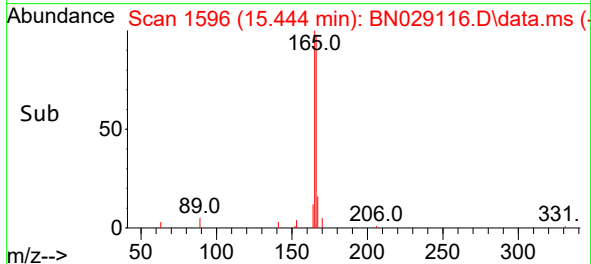
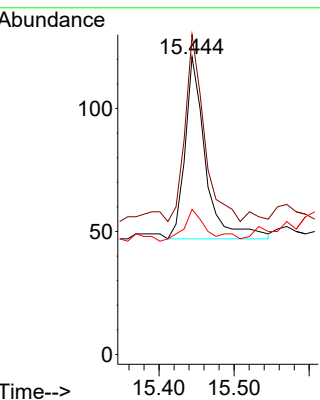
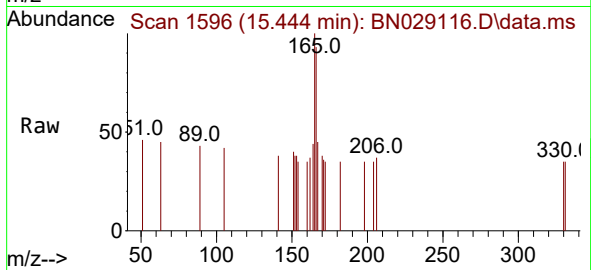
Tgt Ion:166 Resp: 145

Ion Ratio Lower Upper

166 100

165 92.4 80.2 120.4

167 19.3 11.0 16.4#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.147 min Scan# 1734

Delta R.T. 0.000 min

Lab File: BN029116.D

Acq: 08 Dec 2023 07:30

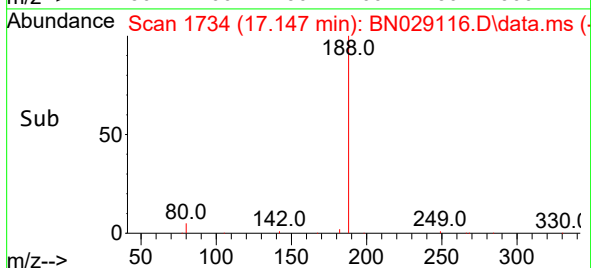
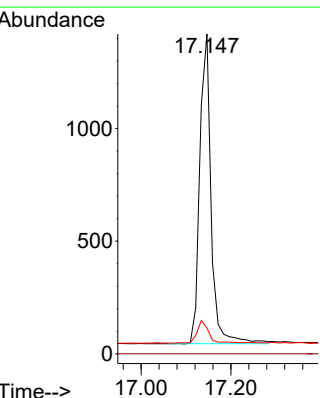
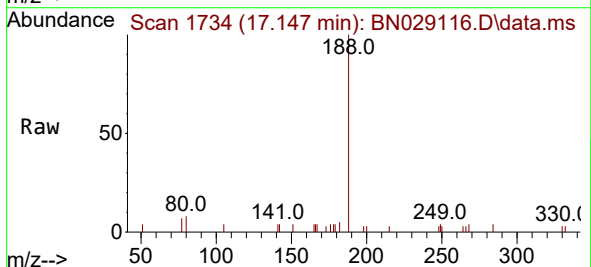
Tgt Ion:188 Resp: 2404

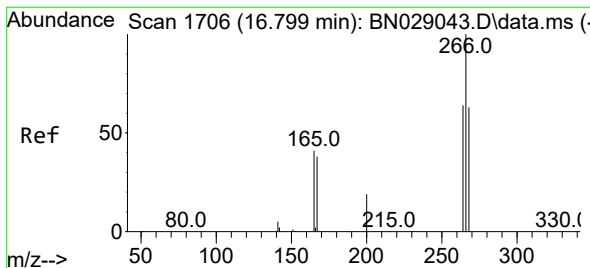
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.1 5.4 8.0#





#24

Pentachlorophenol

Concen: 0.032 ng

RT: 16.799 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN029116.D

Acq: 08 Dec 2023 07:30

Instrument :

BNA_N

ClientSampleId :

PE-2

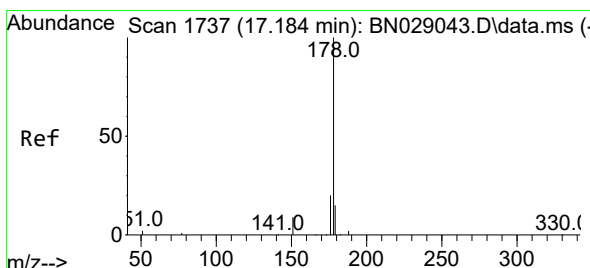
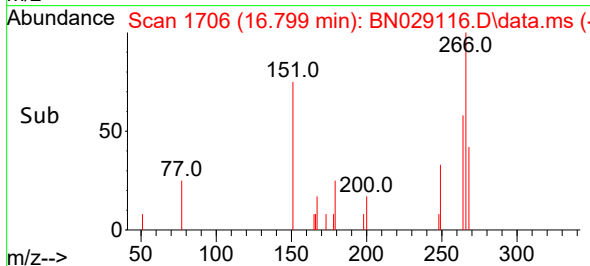
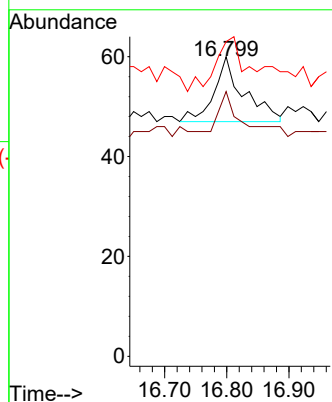
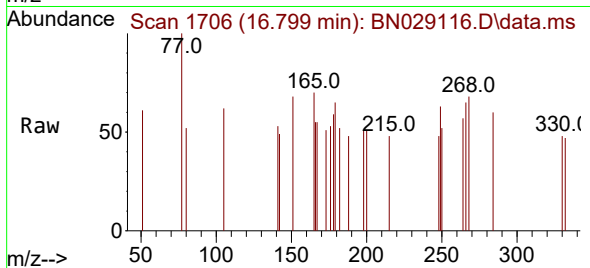
Tgt Ion:266 Resp: 43

Ion Ratio Lower Upper

266 100

264 55.8 50.7 76.1

268 83.7 49.5 74.3#



#25

Phenanthrene

Concen: 0.274 ng

RT: 17.184 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN029116.D

Acq: 08 Dec 2023 07:30

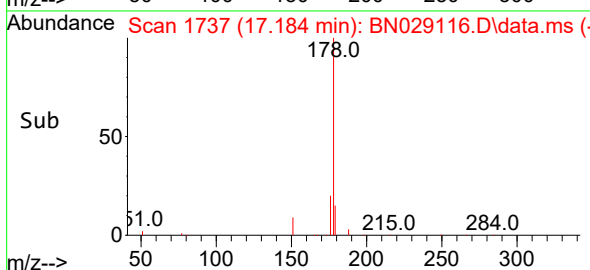
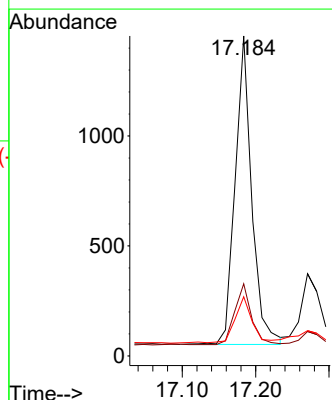
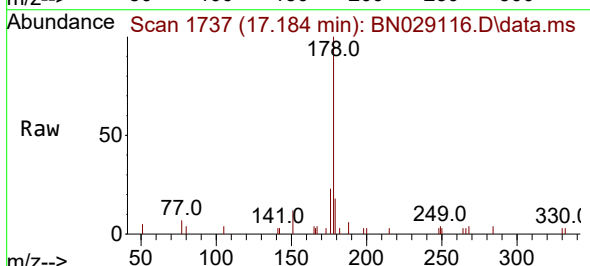
Tgt Ion:178 Resp: 2201

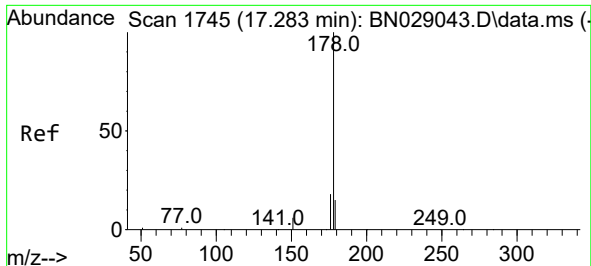
Ion Ratio Lower Upper

178 100

176 19.9 15.6 23.4

179 15.6 12.6 18.8

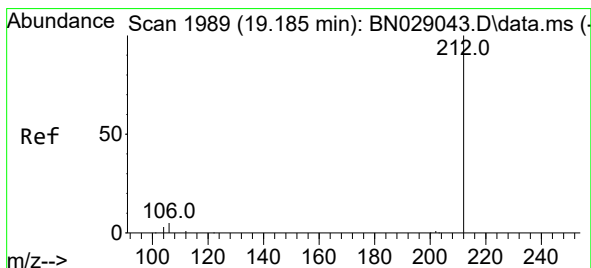
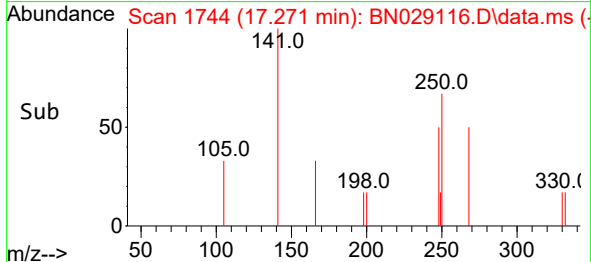
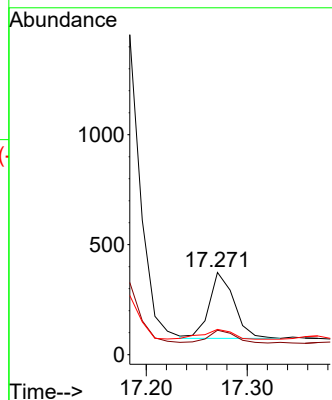
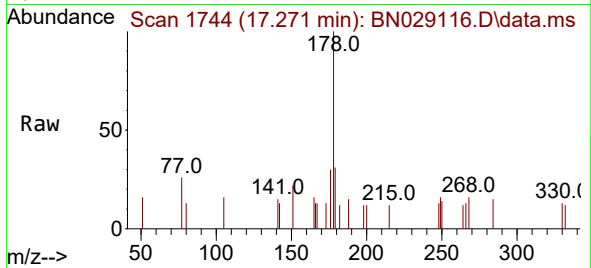




#26
 Anthracene
 Concen: 0.066 ng
 RT: 17.271 min Scan# 1744
 Delta R.T. -0.012 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

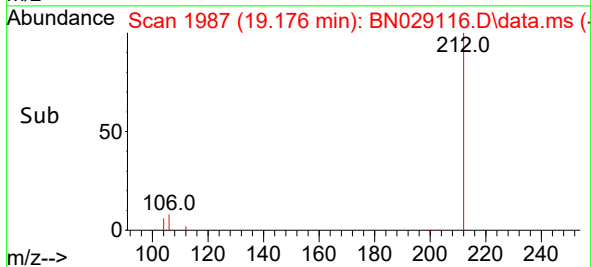
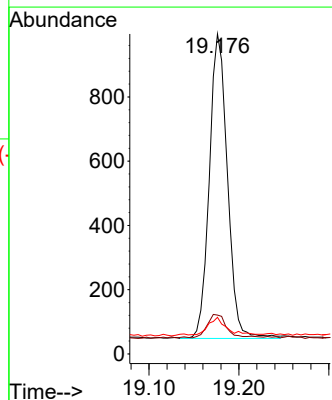
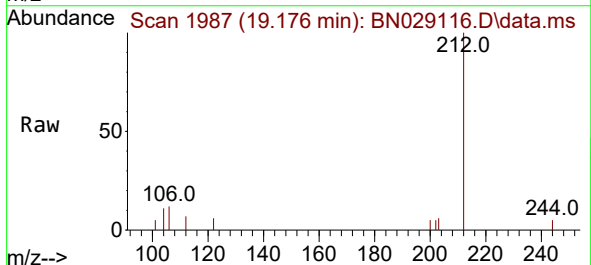
Instrument :
 BNA_N
 ClientSampleId :
 PE-2

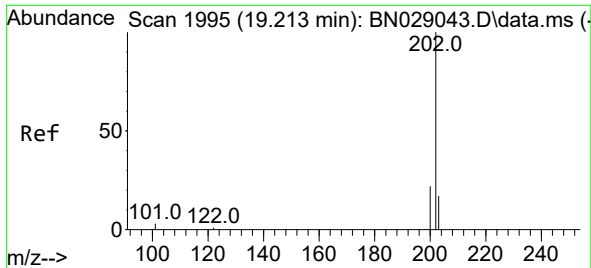
Tgt Ion:178 Resp: 513
 Ion Ratio Lower Upper
 178 100
 176 23.4 15.0 22.4#
 179 19.7 12.6 19.0#



#27
 Fluoranthene-d10
 Concen: 0.176 ng
 RT: 19.176 min Scan# 1987
 Delta R.T. -0.009 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

Tgt Ion:212 Resp: 1327
 Ion Ratio Lower Upper
 212 100
 106 8.0 3.9 5.9#
 104 6.6 2.6 3.8#

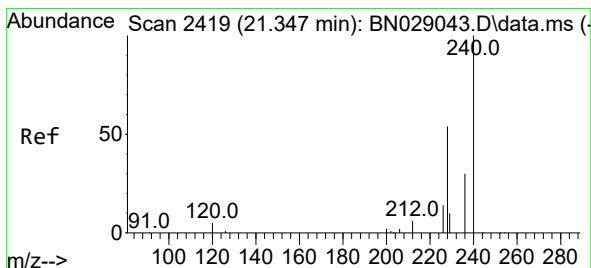
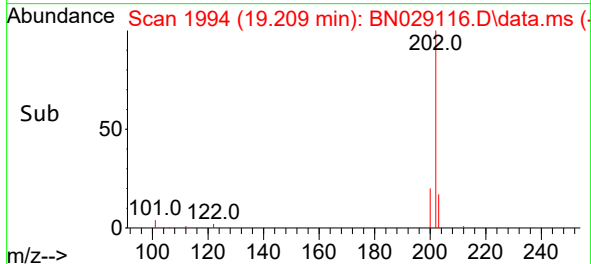
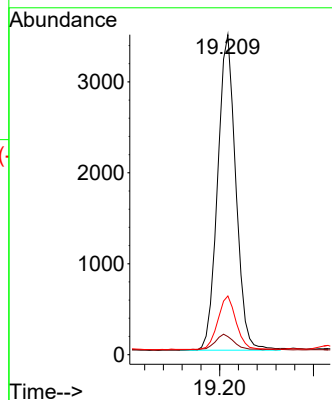
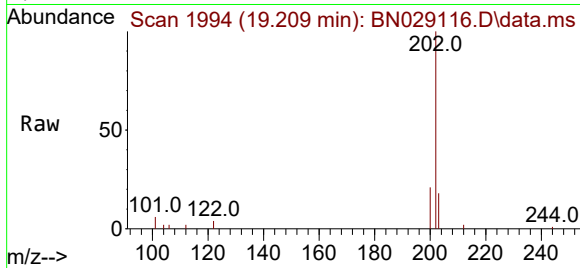




#28
Fluoranthene
Concen: 0.423 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.004 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

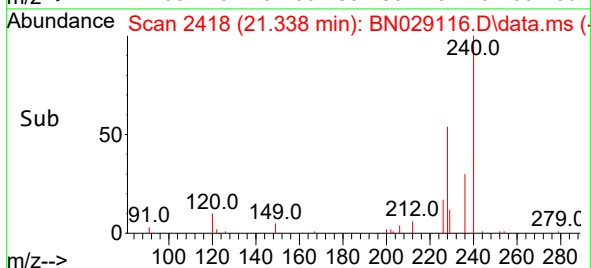
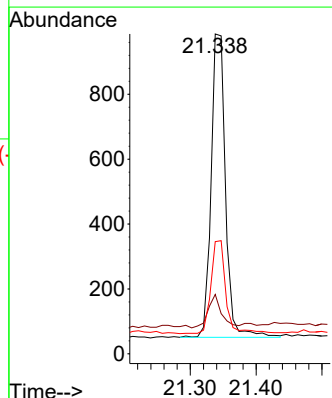
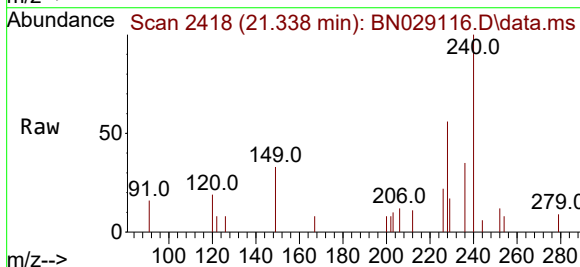
Instrument :
BNA_N
ClientSampleId :
PE-2

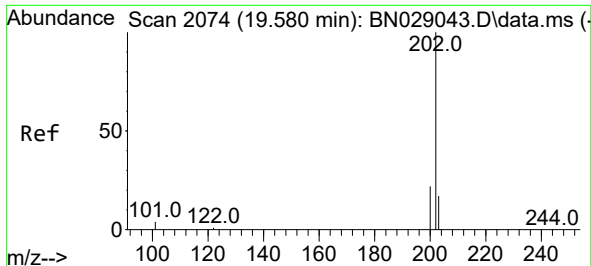
Tgt Ion:202 Resp: 4662
Ion Ratio Lower Upper
202 100
101 5.3 3.0 4.6#
203 16.9 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.338 min Scan# 2418
Delta R.T. -0.009 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:240 Resp: 1424
Ion Ratio Lower Upper
240 100
120 18.6 6.7 10.1#
236 35.1 25.7 38.5

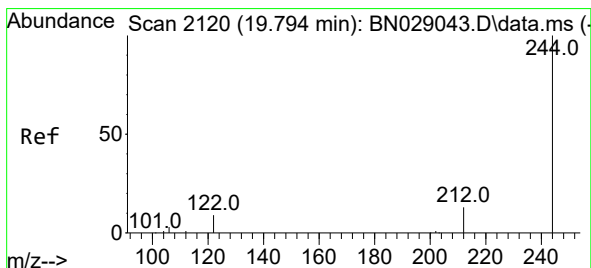
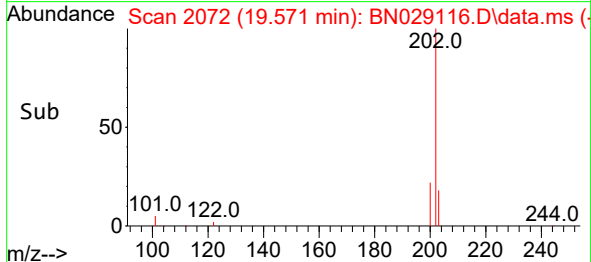
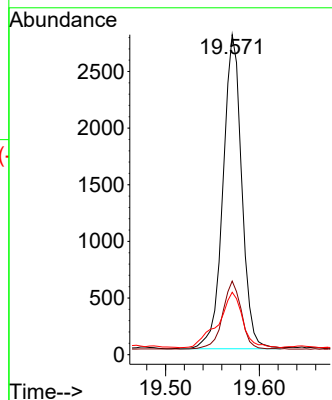
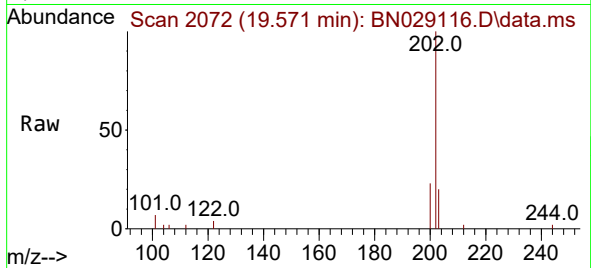




#30
Pyrene
Concen: 0.435 ng
RT: 19.571 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

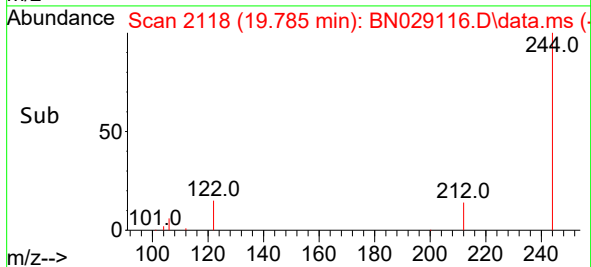
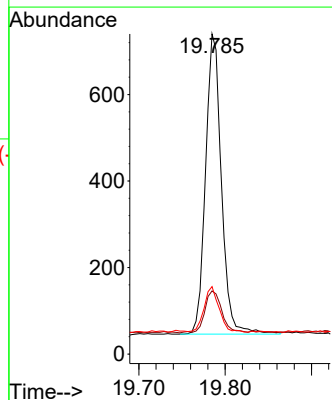
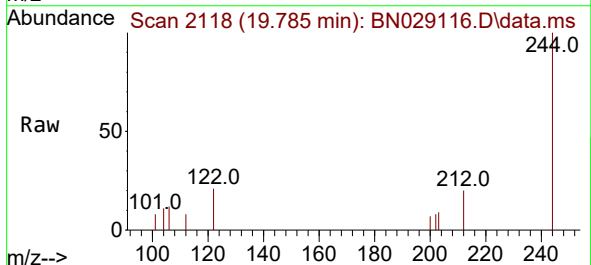
Instrument :
BNA_N
ClientSampleId :
PE-2

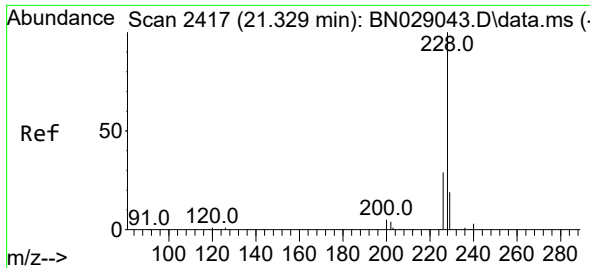
Tgt Ion:202 Resp: 3844
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 22.9 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.247 ng
RT: 19.785 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:244 Resp: 889
Ion Ratio Lower Upper
244 100
212 19.7 11.6 17.4#
122 21.1 8.2 12.4#

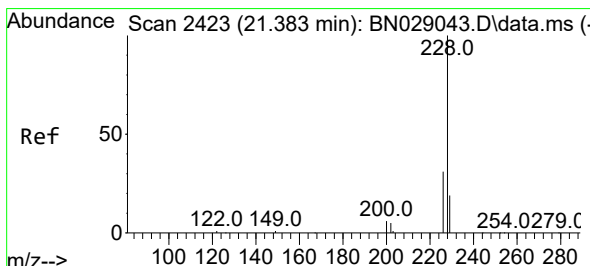
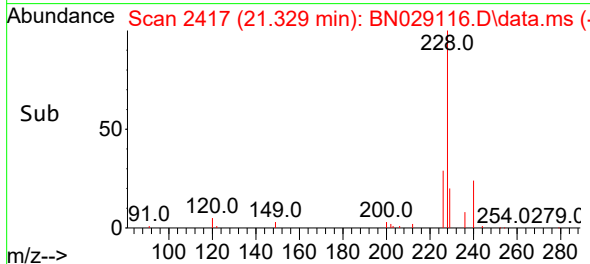
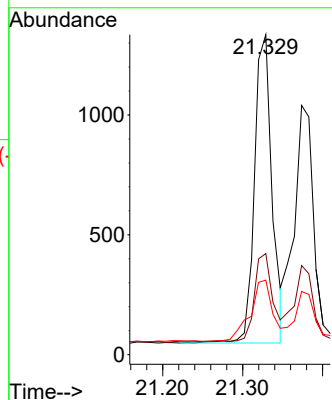
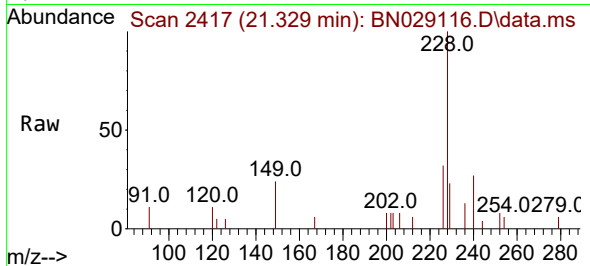




#32
Benzo(a)anthracene
Concen: 0.271 ng
RT: 21.329 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

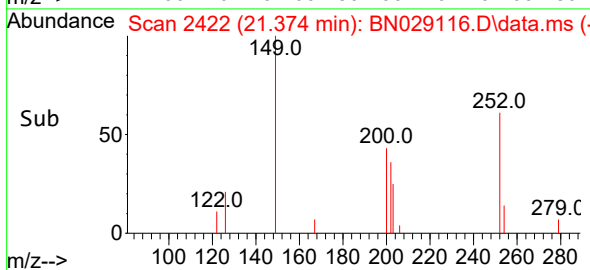
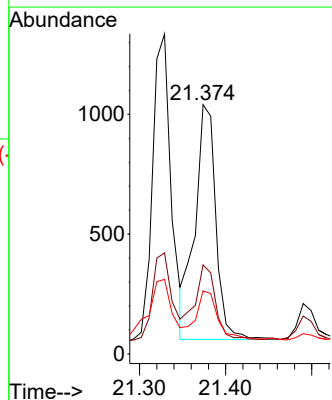
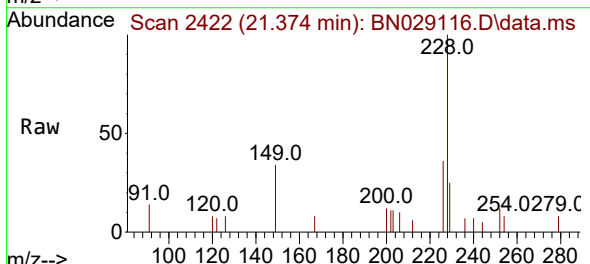
Instrument :
BNA_N
ClientSampleId :
PE-2

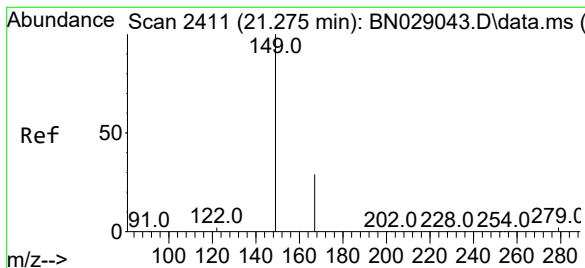
Tgt Ion:228 Resp: 1955
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.6
229 23.3 16.0 24.0



#33
Chrysene
Concen: 0.234 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.009 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:228 Resp: 1662
Ion Ratio Lower Upper
228 100
226 35.8 25.4 38.0
229 25.4 16.0 24.0#

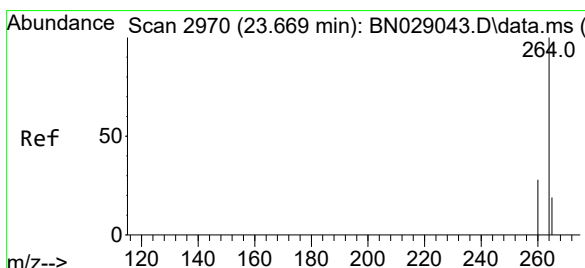
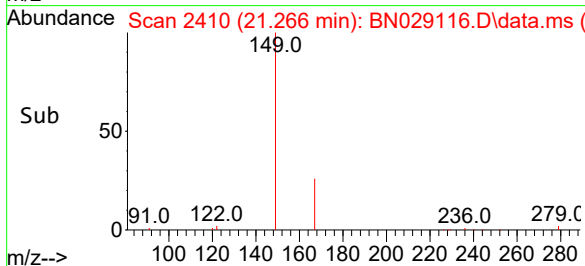
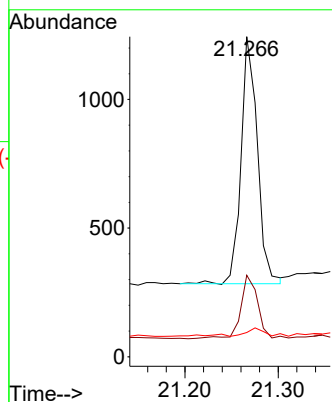
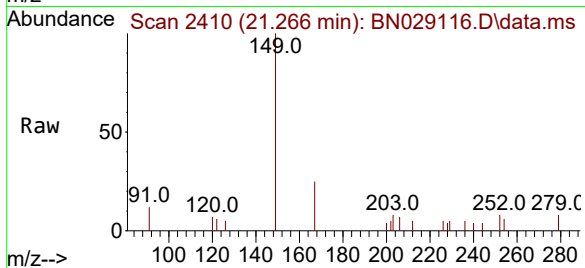




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.263 ng
 RT: 21.266 min Scan# 2410
 Delta R.T. -0.009 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

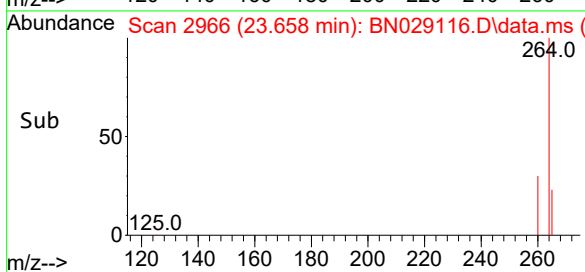
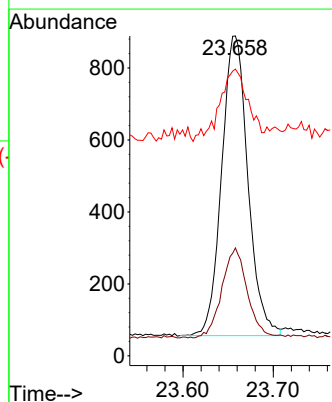
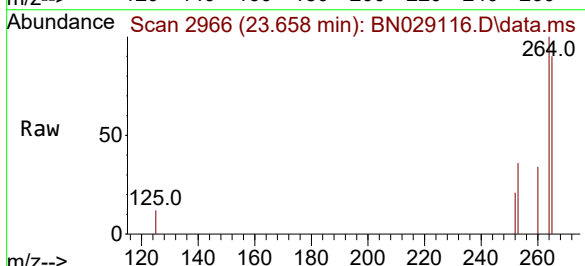
Instrument :
 BNA_N
 ClientSampleId :
 PE-2

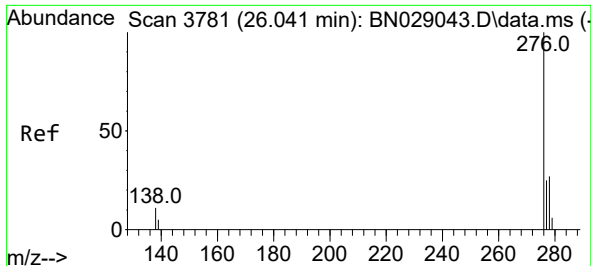
Tgt Ion:149 Resp: 1172
 Ion Ratio Lower Upper
 149 100
 167 27.1 23.4 35.2
 279 4.0 3.4 5.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.658 min Scan# 2966
 Delta R.T. -0.012 min
 Lab File: BN029116.D
 Acq: 08 Dec 2023 07:30

Tgt Ion:264 Resp: 1689
 Ion Ratio Lower Upper
 264 100
 260 33.7 23.9 35.9
 265 89.7 52.7 79.1#

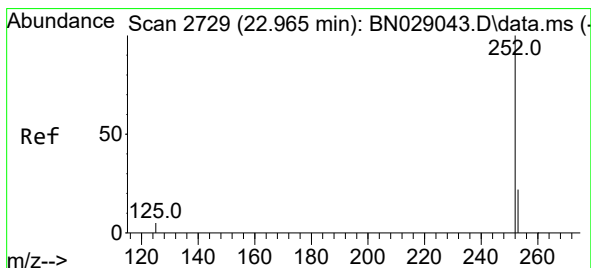
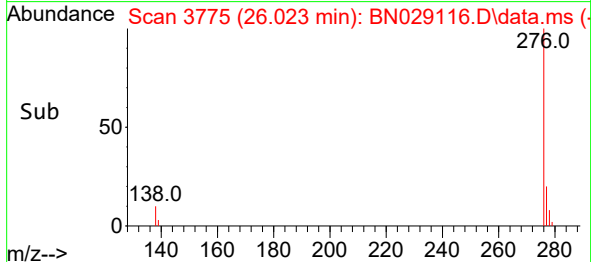
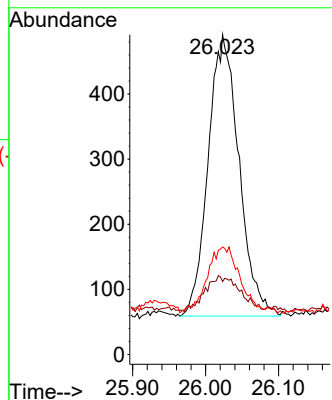
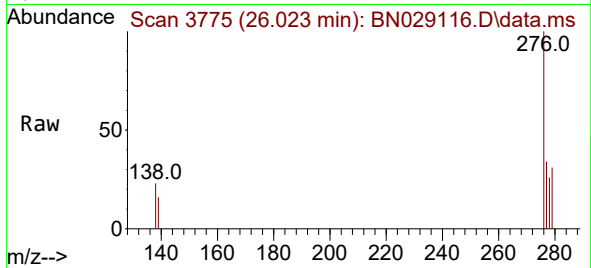




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.147 ng
RT: 26.023 min Scan# 31
Delta R.T. -0.017 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

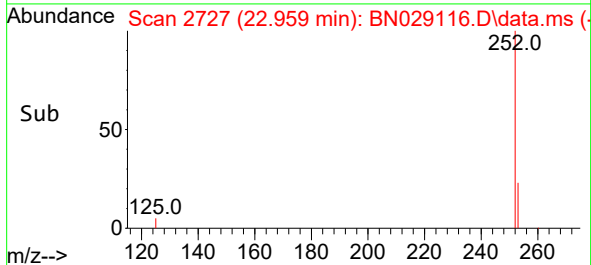
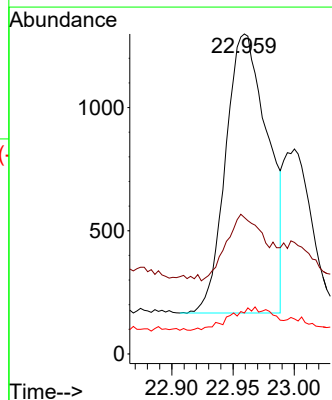
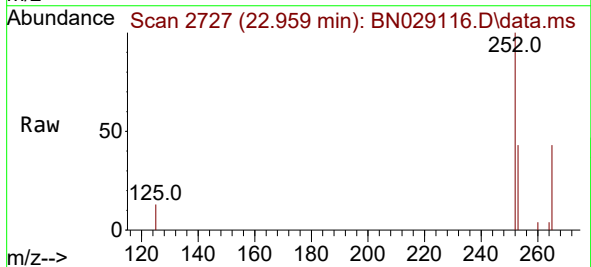
Instrument :
BNA_N
ClientSampleId :
PE-2

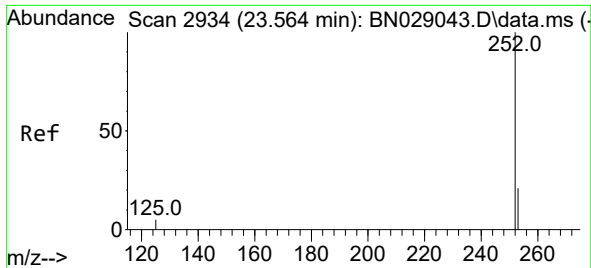
Tgt Ion:276 Resp: 1268
Ion Ratio Lower Upper
276 100
138 6.0 9.6 14.4#
277 22.9 19.4 29.0



#37
Benzo(b)fluoranthene
Concen: 0.299 ng
RT: 22.959 min Scan# 2727
Delta R.T. -0.006 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:252 Resp: 2714
Ion Ratio Lower Upper
252 100
253 42.6 23.0 34.6#
125 12.8 5.4 8.0#

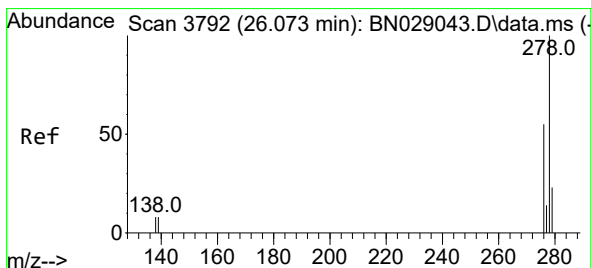
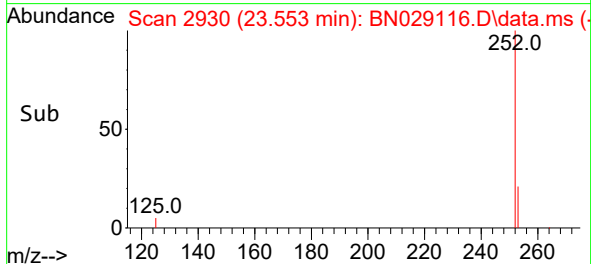
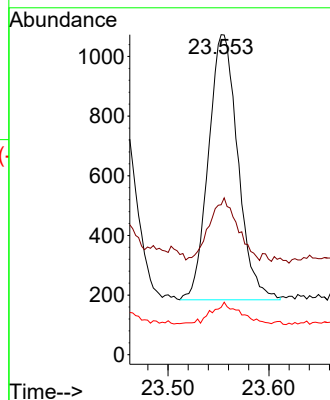
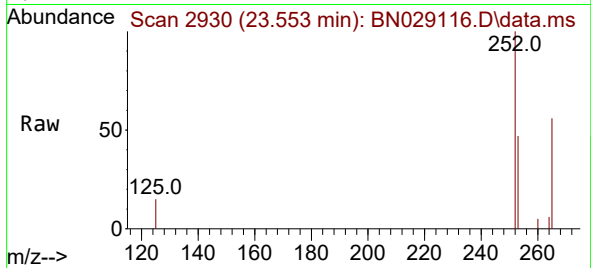




#39
Benzo(a)pyrene
Concen: 0.240 ng
RT: 23.553 min Scan# 2930
Delta R.T. -0.012 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

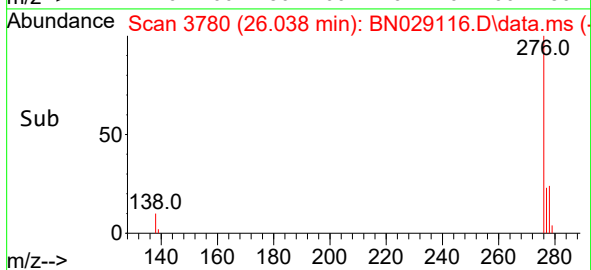
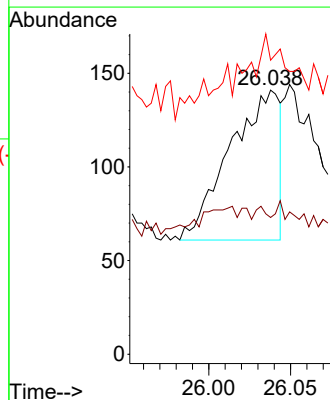
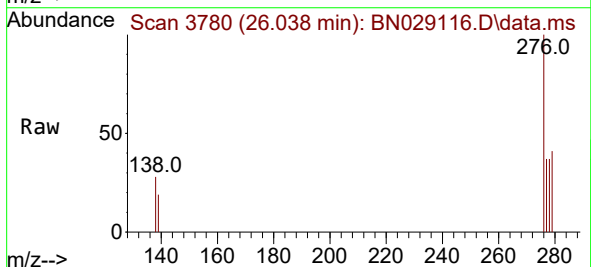
Instrument :
BNA_N
ClientSampleId :
PE-2

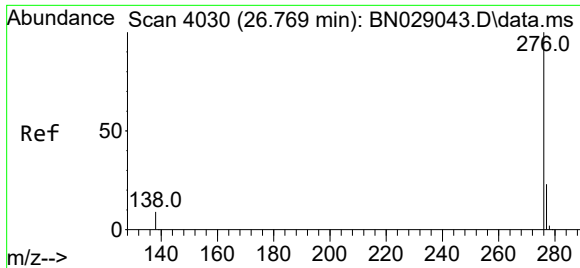
Tgt Ion:252 Resp: 1804
Ion Ratio Lower Upper
252 100
253 46.9 25.3 37.9#
125 14.8 6.5 9.7#



#40
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 26.038 min Scan# 3780
Delta R.T. -0.035 min
Lab File: BN029116.D
Acq: 08 Dec 2023 07:30

Tgt Ion:278 Resp: 170
Ion Ratio Lower Upper
278 100
139 51.8 9.4 14.2#
279 111.3 24.2 36.4#





#41

Benzo(g,h,i)perylene

Concen: 0.171 ng

RT: 26.757 min Scan# 40

Delta R.T. -0.012 min

Lab File: BN029116.D

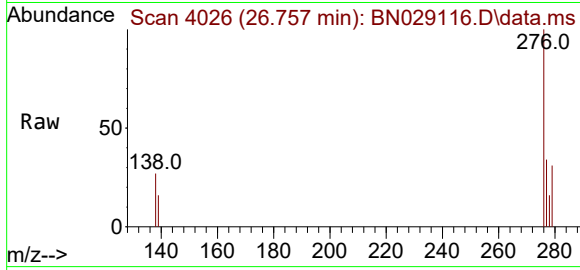
Acq: 08 Dec 2023 07:30

Instrument :

BNA_N

ClientSampleId :

PE-2



Tgt Ion:276 Resp: 1241

Ion Ratio Lower Upper

276 100

277 34.5 20.3 30.5#

138 27.1 9.2 13.8#

