

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029119.D
 Acq On : 08 Dec 2023 09:18
 Operator : MA/JU
 Sample : 05611-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-3

Quant Time: Dec 08 09:50:55 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)

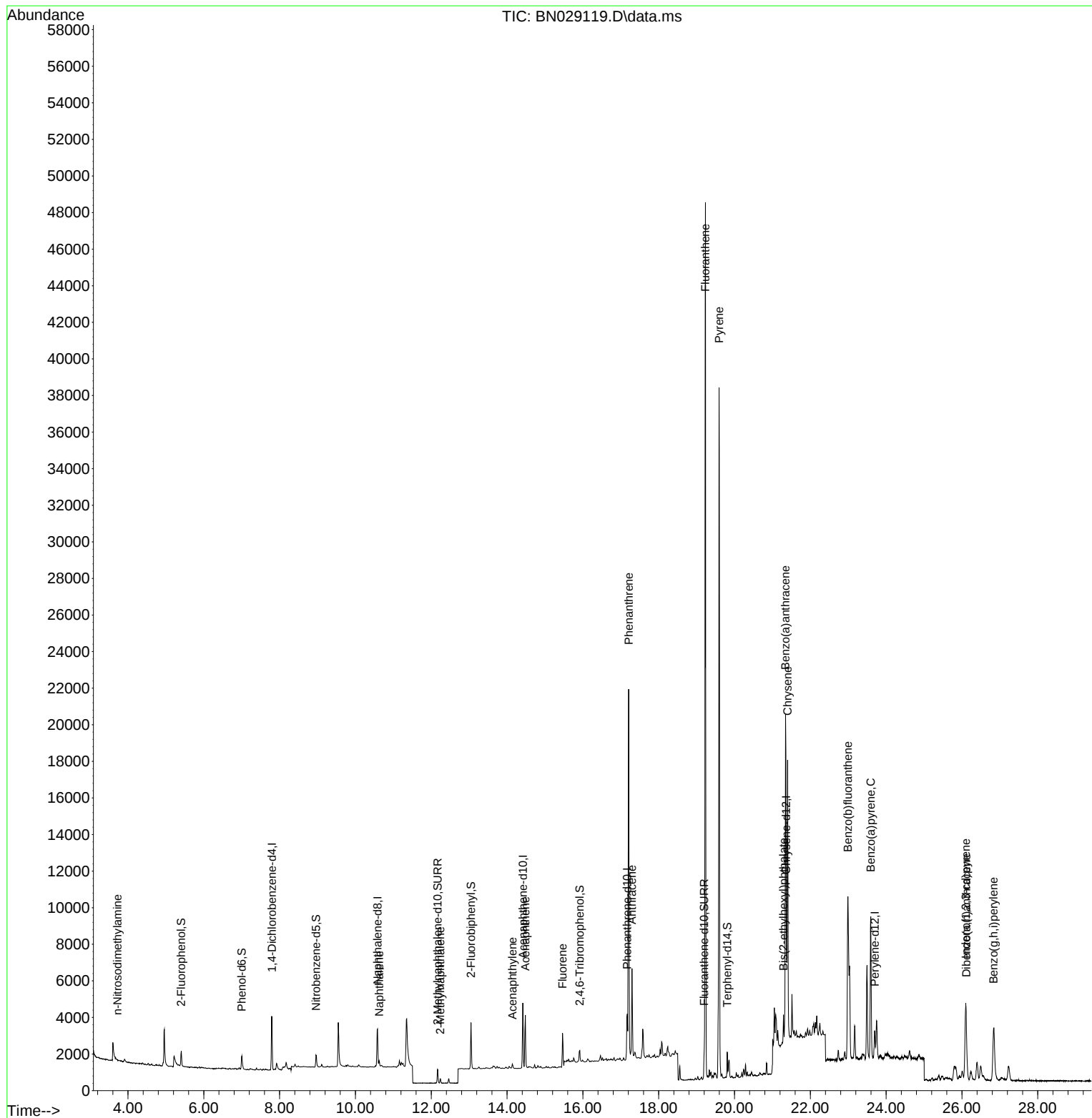
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	1478	0.400	ng	0.02
7) Naphthalene-d8	10.584	136	3008	0.400	ng	# 0.02
13) Acenaphthene-d10	14.418	164	1912	0.400	ng	0.02
19) Phenanthrene-d10	17.171	188	3980	0.400	ng	0.02
29) Chrysene-d12	21.365	240	2085	0.400	ng	# 0.02
35) Perylene-d12	23.699	264	2015	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	638	0.191	ng	0.01
5) Phenol-d6	7.002	99	707	0.177	ng	0.02
8) Nitrobenzene-d5	8.961	82	680	0.187	ng	0.02
11) 2-Methylnaphthalene-d10	12.166	152	1004	0.159	ng	0.02
14) 2,4,6-Tribromophenol	15.918	330	283	0.134	ng	0.02
15) 2-Fluorobiphenyl	13.049	172	2060	0.208	ng	0.02
27) Fluoranthene-d10	19.199	212	1836	0.147	ng	0.01
31) Terphenyl-d14	19.808	244	1324	0.251	ng	0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.723	42	30	0.042	ng	# 38
9) Naphthalene	10.626	128	430	0.046	ng	# 70
12) 2-Methylnaphthalene	12.238	142	161	0.021	ng	# 85
16) Acenaphthylene	14.140	152	276	0.026	ng	# 92
17) Acenaphthene	14.482	154	1437	0.218	ng	98
18) Fluorene	15.465	166	1192	0.113	ng	95
25) Phenanthrene	17.208	178	20452	1.539	ng	98
26) Anthracene	17.295	178	4806	0.374	ng	# 93
28) Fluoranthene	19.232	202	42878	2.348	ng	# 99
30) Pyrene	19.594	202	35612	2.755	ng	# 94
32) Benzo(a)anthracene	21.347	228	16260	1.538	ng	98
33) Chrysene	21.401	228	12616	1.212	ng	98
34) Bis(2-ethylhexyl)phtha...	21.293	149	1275	0.196	ng	99
36) Indeno(1,2,3-cd)pyrene	26.102	276	7737	0.753	ng	99
37) Benzo(b)fluoranthene	22.991	252	16948	1.567	ng	98
39) Benzo(a)pyrene	23.594	252	11620	1.298	ng	95
40) Dibenzo(a,h)anthracene	26.117	278	1938	0.245	ng	# 64
41) Benzo(g,h,i)perylene	26.836	276	7153	0.825	ng	# 97

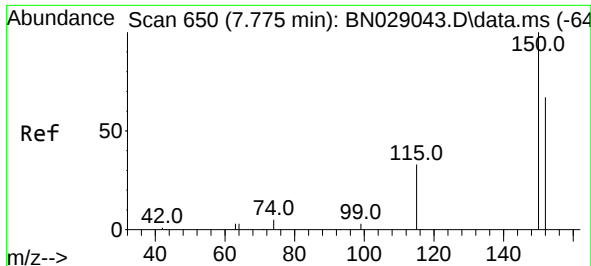
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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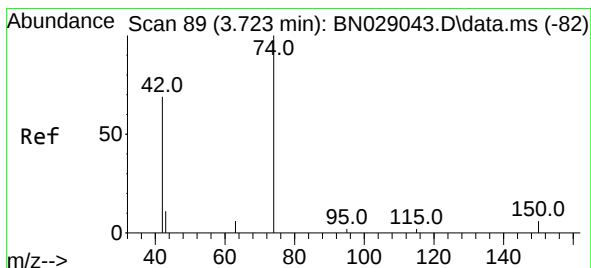
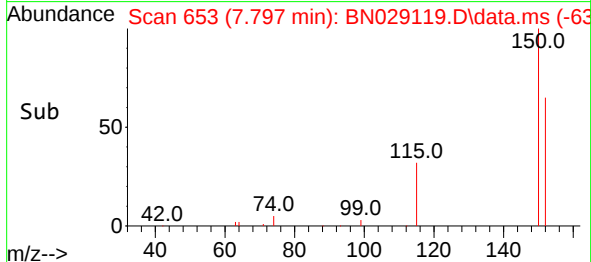
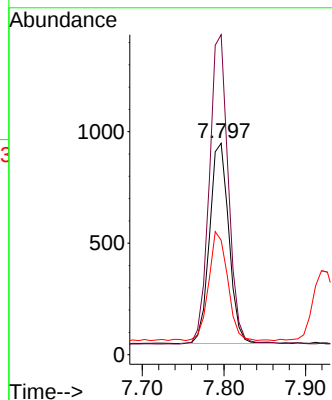
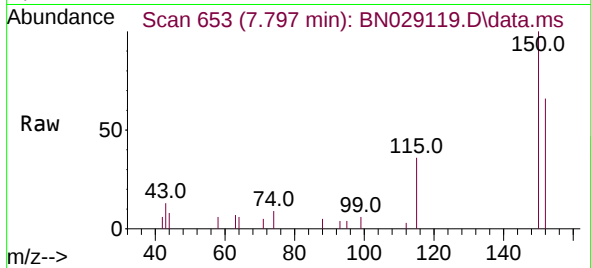




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.797 min Scan# 61
Delta R.T. 0.022 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

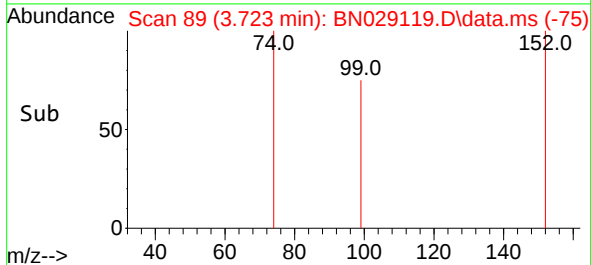
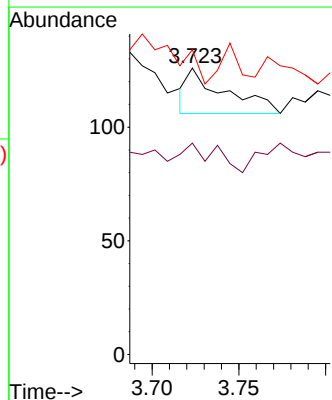
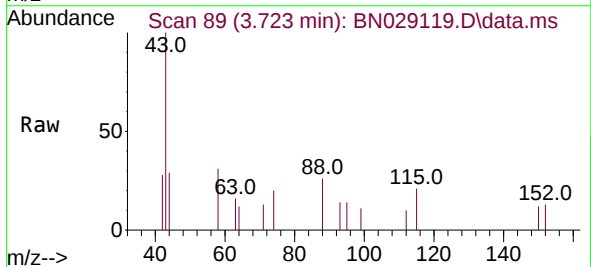
Instrument :
BNA_N
ClientSampleId :
PE-3

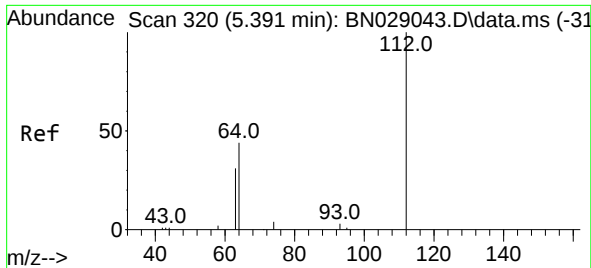
Tgt Ion:152 Resp: 1478
Ion Ratio Lower Upper
152 100
150 151.4 116.2 174.4
115 54.1 45.1 67.7



#3
n-Nitrosodimethylamine
Concen: 0.042 ng
RT: 3.723 min Scan# 89
Delta R.T. 0.000 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion: 42 Resp: 30
Ion Ratio Lower Upper
42 100
74 60.0 106.3 159.5#
44 0.0 0.0 0.0





#4

2-Fluorophenol

Concen: 0.191 ng

RT: 5.406 min Scan# 31

Delta R.T. 0.015 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

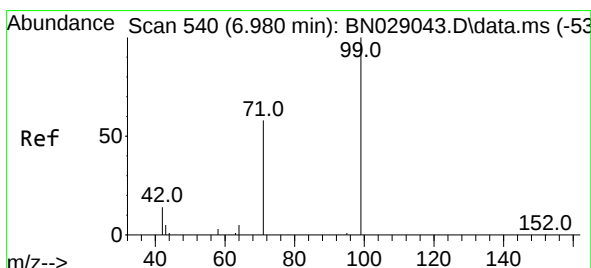
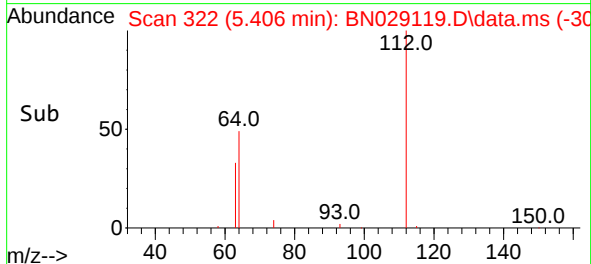
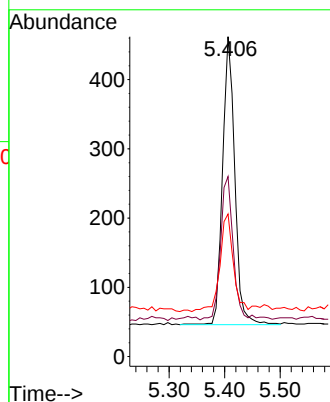
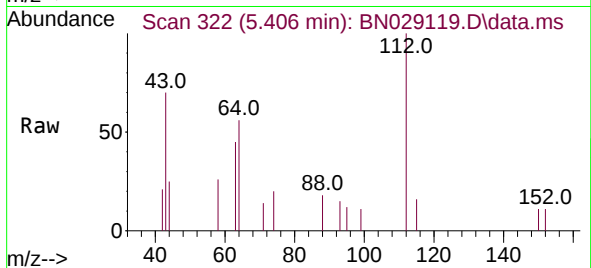
Tgt Ion:112 Resp: 638

Ion Ratio Lower Upper

112 100

64 50.6 37.0 55.6

63 37.0 29.0 43.6



#5

Phenol-d6

Concen: 0.177 ng

RT: 7.002 min Scan# 543

Delta R.T. 0.022 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

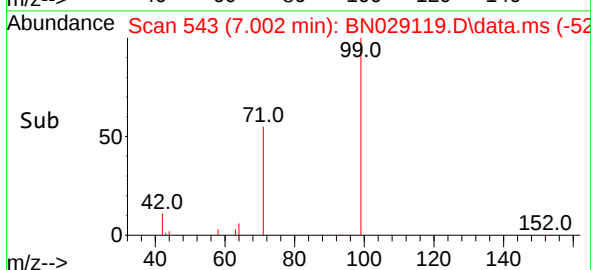
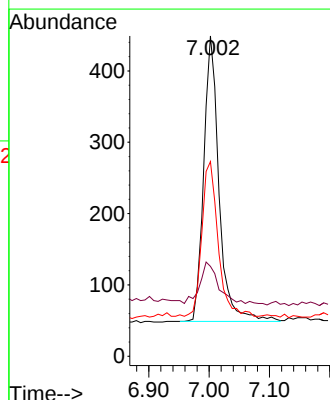
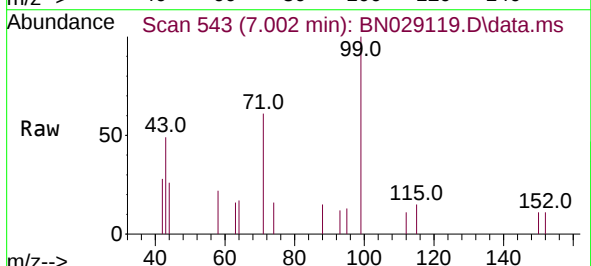
Tgt Ion: 99 Resp: 707

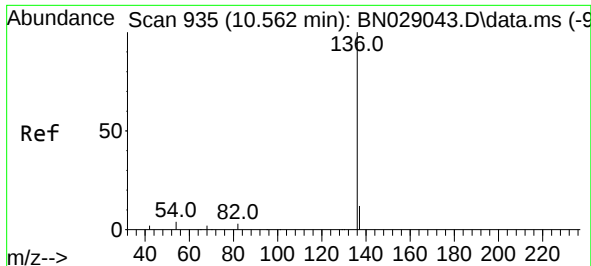
Ion Ratio Lower Upper

99 100

42 19.4 13.4 20.2

71 57.1 47.8 71.6

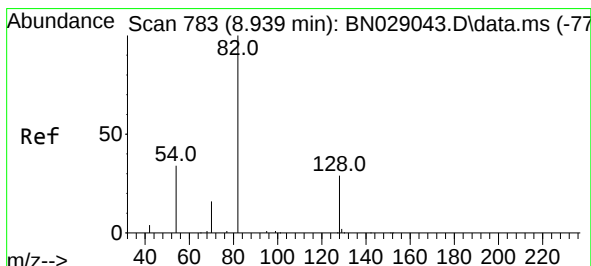
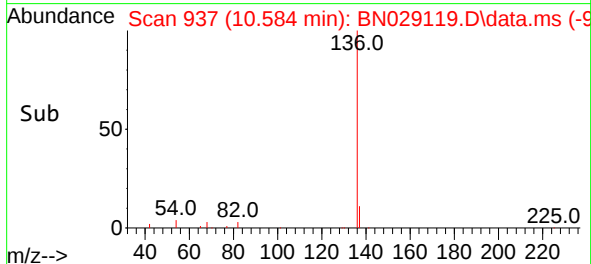
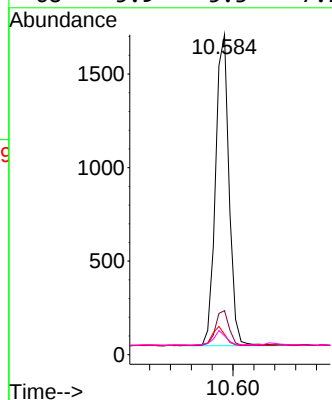
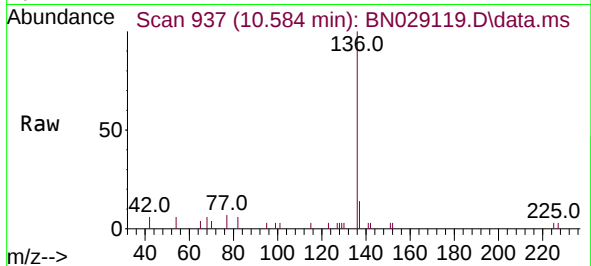




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.021 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

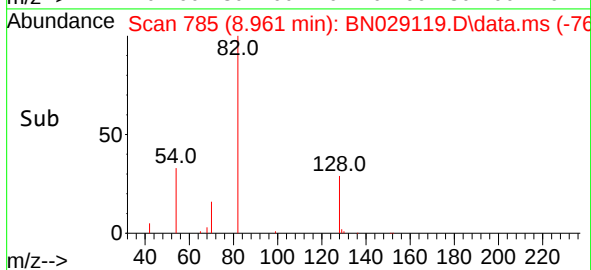
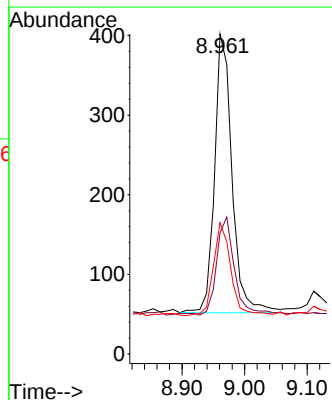
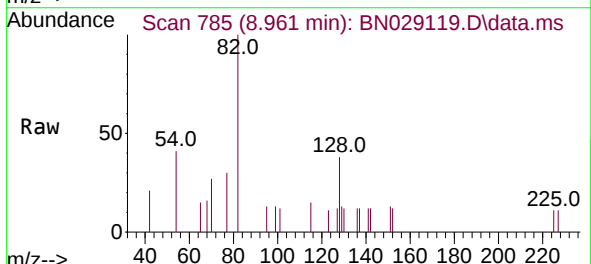
Instrument :
BNA_N
ClientSampleId :
PE-3

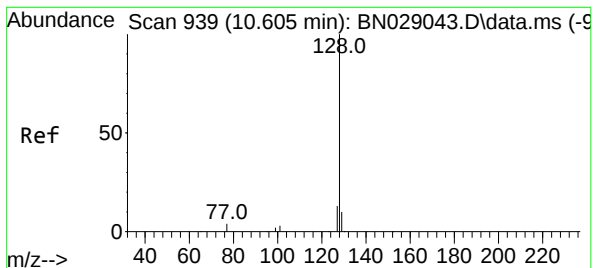
Tgt Ion:	136	Resp:	3008
Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.9	17.9
54	6.4	6.4	9.6#
68	5.9	5.3	7.9



#8
Nitrobenzene-d5
Concen: 0.187 ng
RT: 8.961 min Scan# 785
Delta R.T. 0.021 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:	82	Resp:	680
Ion	Ratio	Lower	Upper
82	100		
128	37.8	28.2	42.4
54	41.0	32.1	48.1





#9

Naphthalene

Concen: 0.046 ng

RT: 10.626 min Scan# 941

Delta R.T. 0.021 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

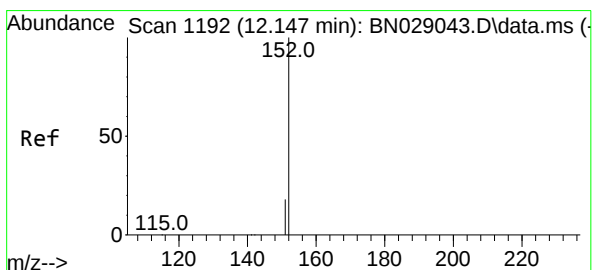
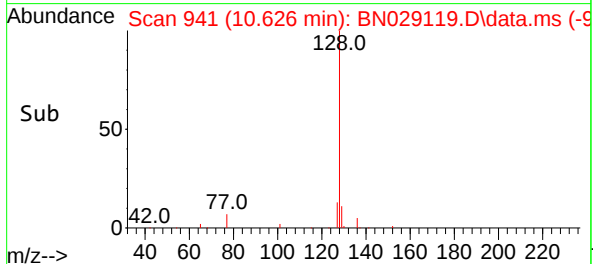
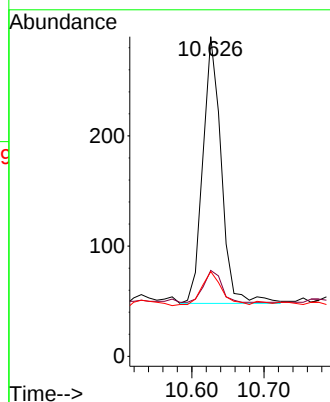
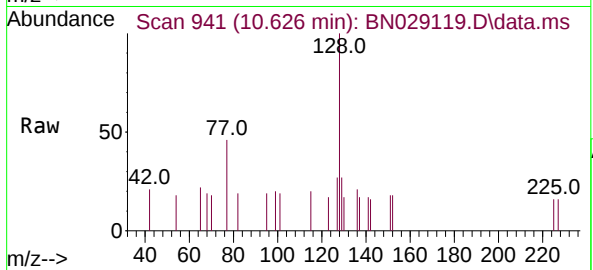
Tgt Ion:128 Resp: 430

Ion Ratio Lower Upper

128 100

129 26.9 10.5 15.7#

127 26.6 12.5 18.7#



#11

2-Methylnaphthalene-d10

Concen: 0.159 ng

RT: 12.166 min Scan# 1197

Delta R.T. 0.019 min

Lab File: BN029119.D

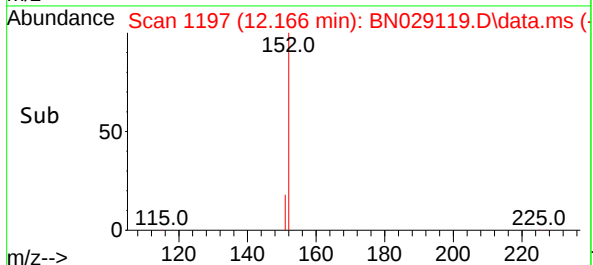
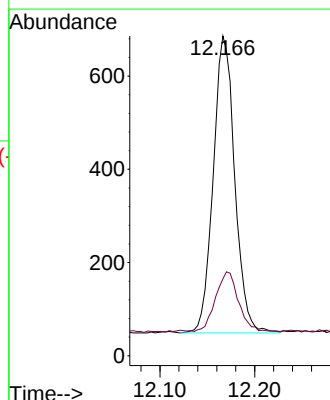
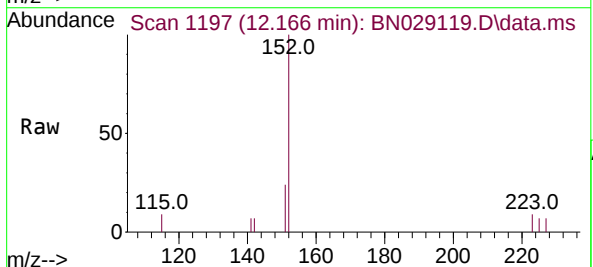
Acq: 08 Dec 2023 09:18

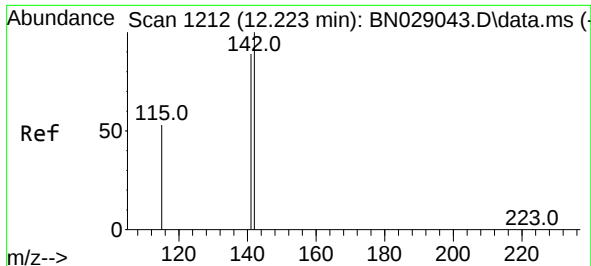
Tgt Ion:152 Resp: 1004

Ion Ratio Lower Upper

152 100

151 21.7 17.4 26.0

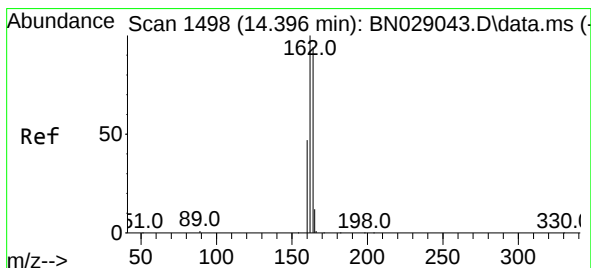
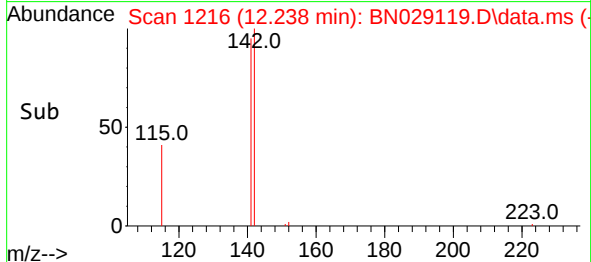
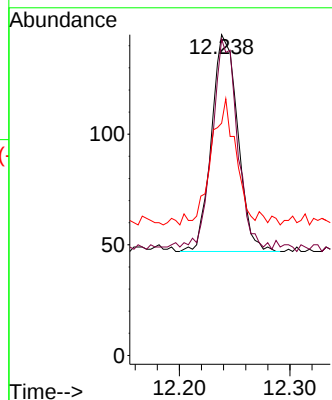
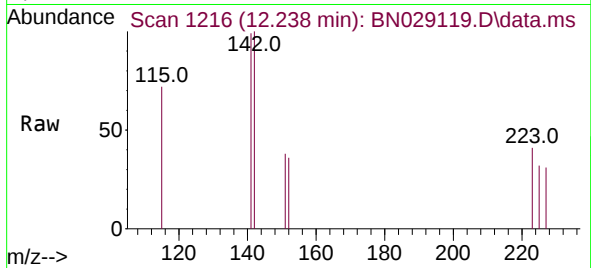




#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.238 min Scan# 11
Delta R.T. 0.015 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

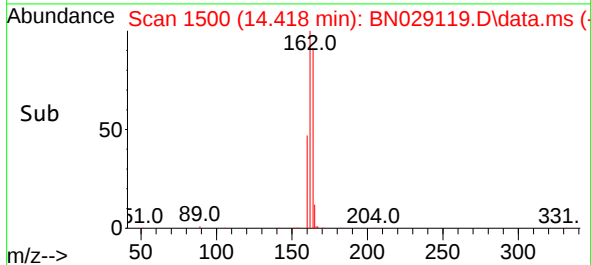
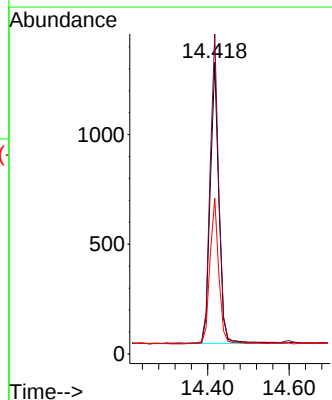
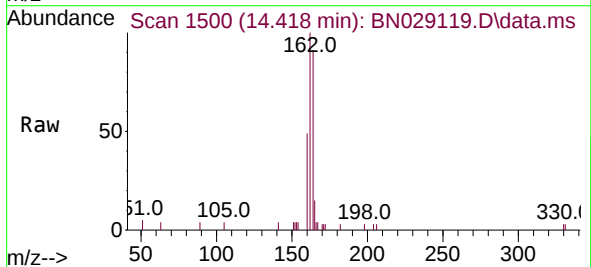
Instrument :
BNA_N
ClientSampleId :
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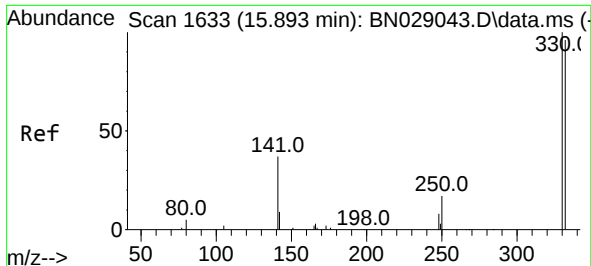
Tgt Ion:142 Resp: 161
Ion Ratio Lower Upper
142 100
141 98.6 71.1 106.7
115 72.4 44.6 66.8#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.418 min Scan# 1500
Delta R.T. 0.021 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:164 Resp: 1912
Ion Ratio Lower Upper
164 100
162 109.8 85.0 127.6
160 53.4 41.3 61.9

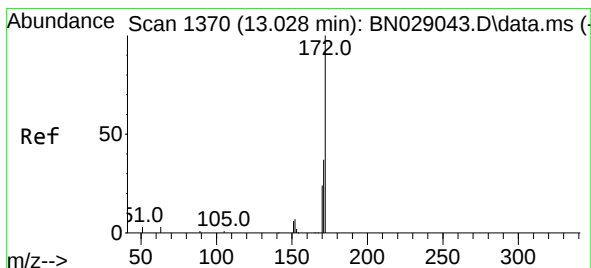
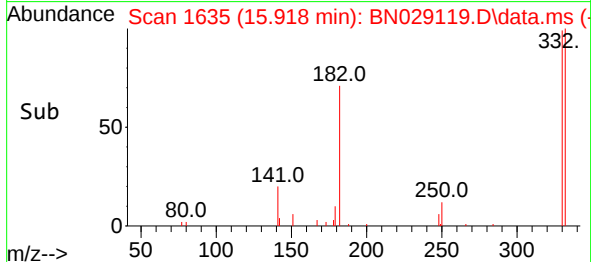
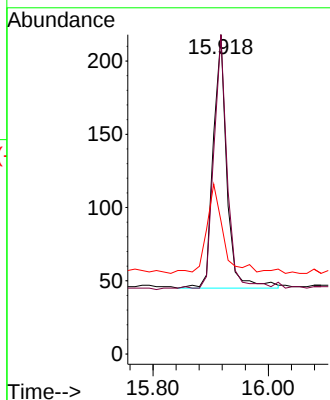
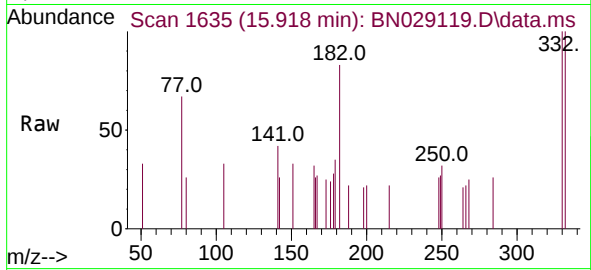




#14
2,4,6-Tribromophenol
Concen: 0.134 ng
RT: 15.918 min Scan# 1635
Delta R.T. 0.025 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

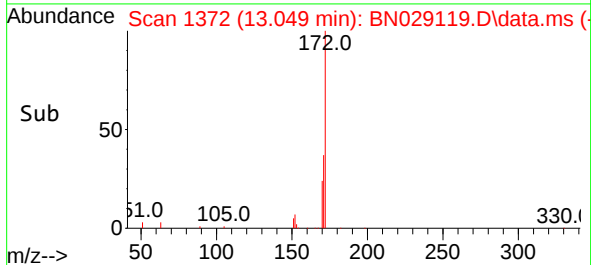
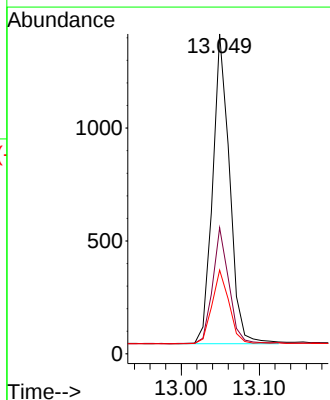
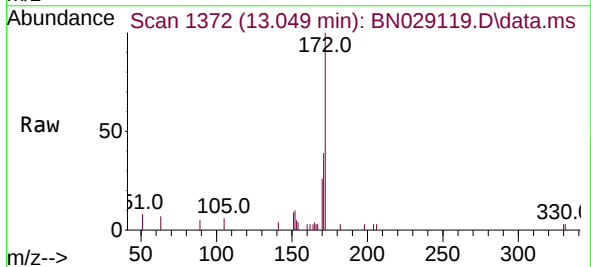
Instrument :
BNA_N
ClientSampleId :
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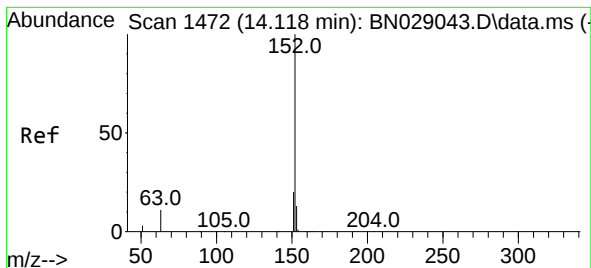
Tgt Ion: 330 Resp: 283
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 36.4 28.7 43.1



#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 13.049 min Scan# 1372
Delta R.T. 0.021 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion: 172 Resp: 2060
Ion Ratio Lower Upper
172 100
171 39.4 30.1 45.1
170 26.2 20.3 30.5





#16

Acenaphthylene

Concen: 0.026 ng

RT: 14.140 min Scan# 1472

Delta R.T. 0.021 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

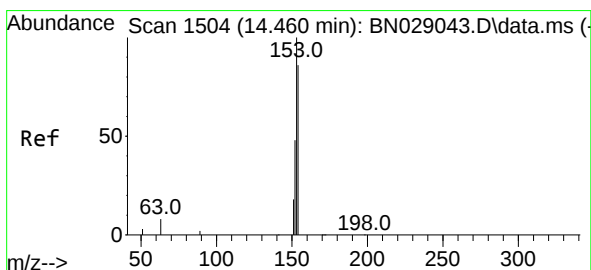
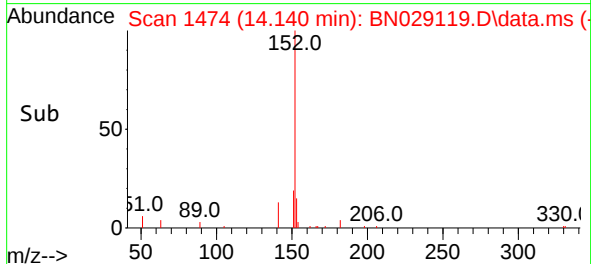
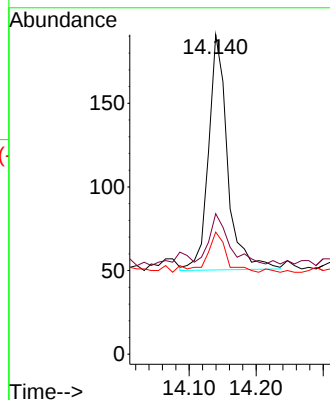
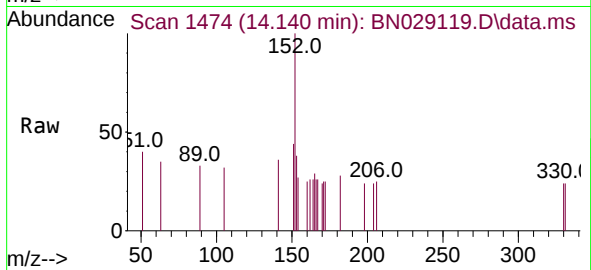
Tgt Ion:152 Resp: 276

Ion Ratio Lower Upper

152 100

151 21.7 15.8 23.6

153 17.8 10.3 15.5#



#17

Acenaphthene

Concen: 0.218 ng

RT: 14.482 min Scan# 1506

Delta R.T. 0.021 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

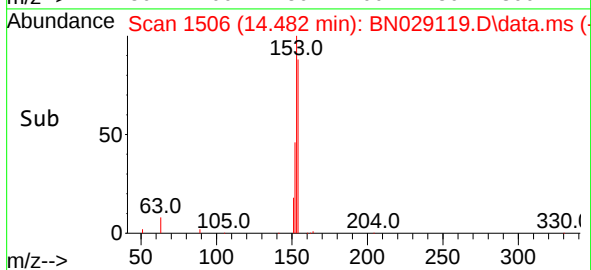
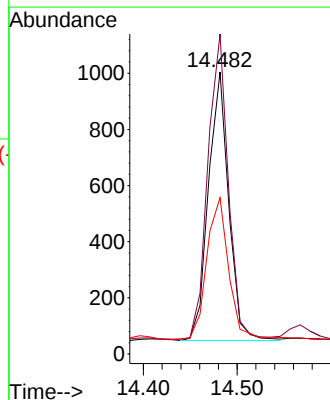
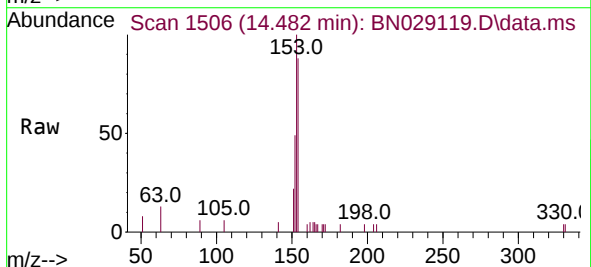
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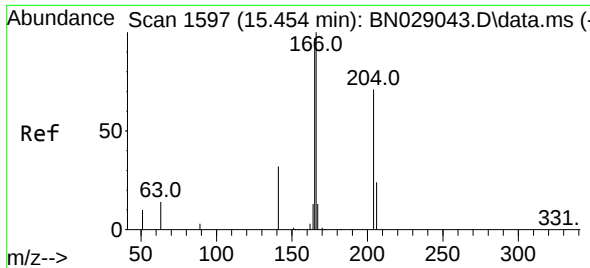
Ion Ratio Lower Upper

154 100

153 114.9 93.0 139.6

152 56.9 44.2 66.4

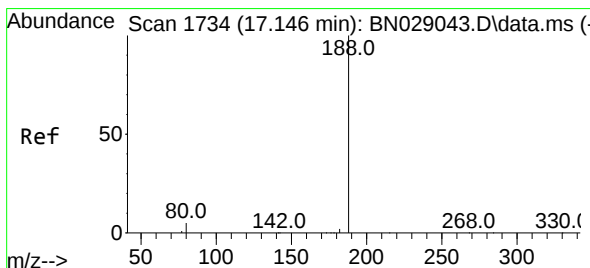
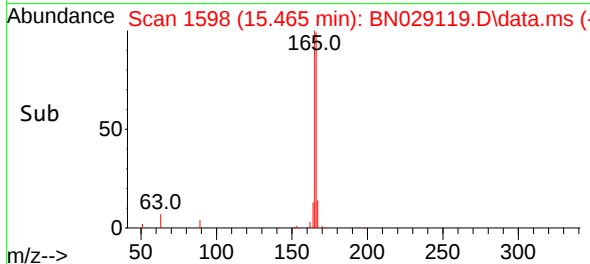
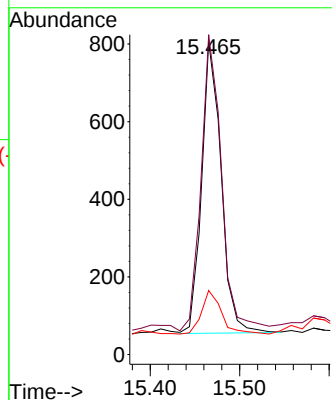
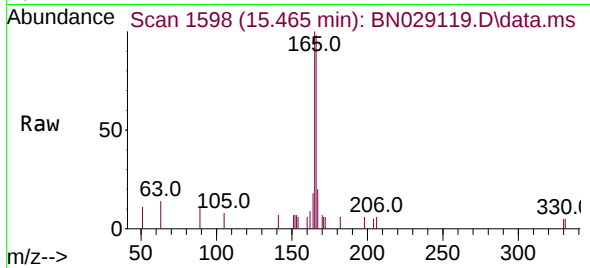




#18
Fluorene
Concen: 0.113 ng
RT: 15.465 min Scan# 1192
Delta R.T. 0.011 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

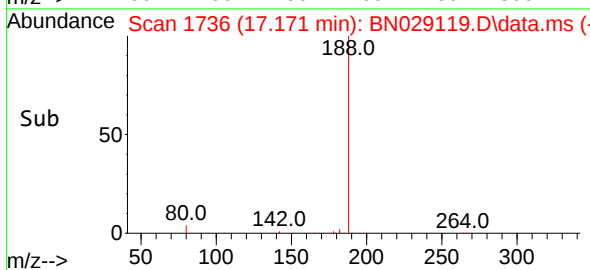
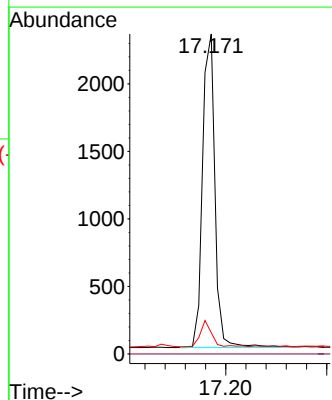
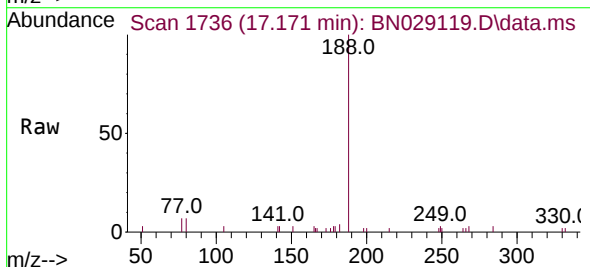
Instrument :
BNA_N
ClientSampleId :
PE-3

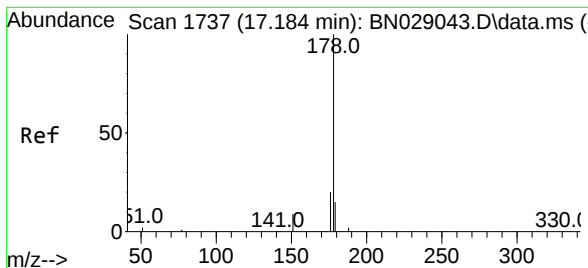
Tgt Ion:166 Resp: 1192
Ion Ratio Lower Upper
166 100
165 105.0 80.2 120.4
167 14.9 11.0 16.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. 0.025 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:188 Resp: 3980
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.7 5.4 8.0





#25

Phenanthrene

Concen: 1.539 ng

RT: 17.208 min Scan# 1739

Delta R.T. 0.025 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

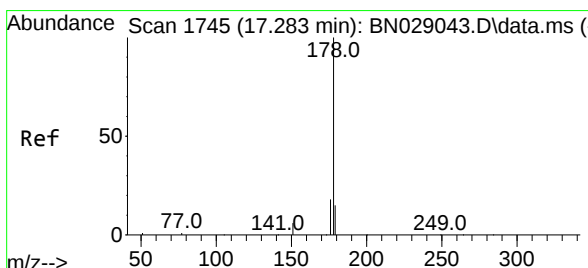
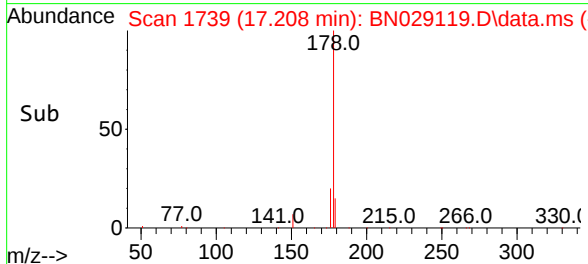
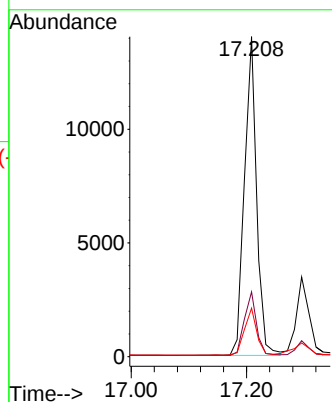
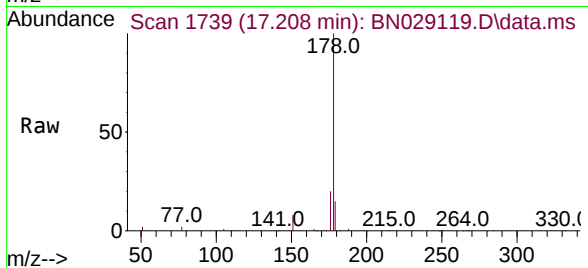
Tgt Ion:178 Resp: 20452

Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

179 14.8 12.6 18.8



#26

Anthracene

Concen: 0.374 ng

RT: 17.295 min Scan# 1746

Delta R.T. 0.012 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

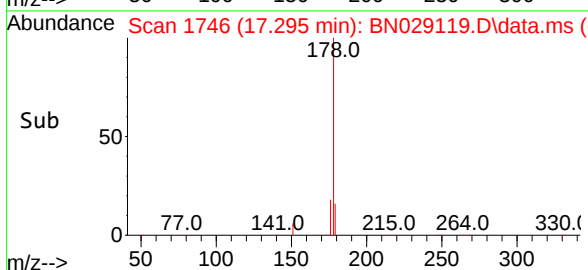
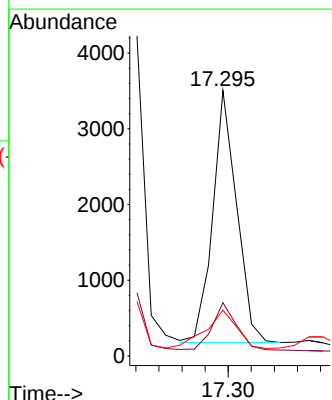
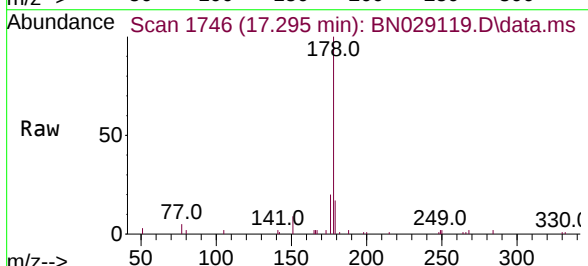
Tgt Ion:178 Resp: 4806

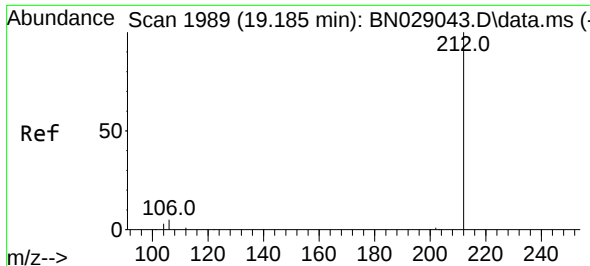
Ion Ratio Lower Upper

178 100

176 21.1 15.0 22.4

179 19.7 12.6 19.0#

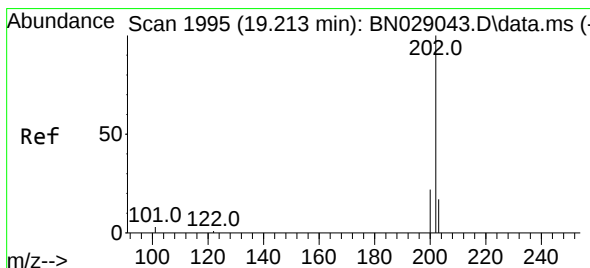
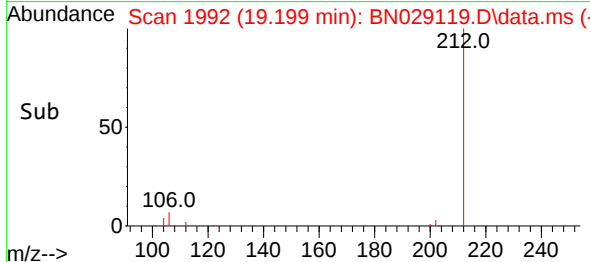
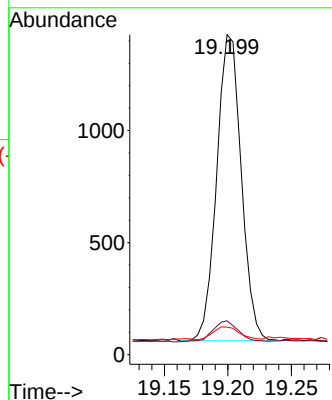
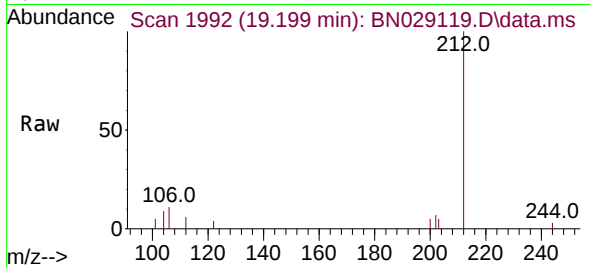




#27
Fluoranthene-d10
Concen: 0.147 ng
RT: 19.199 min Scan# 1992
Delta R.T. 0.014 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

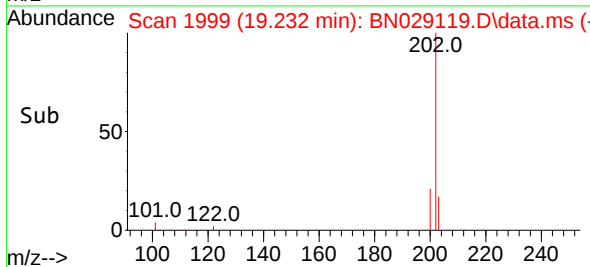
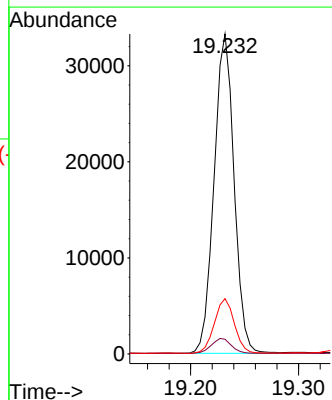
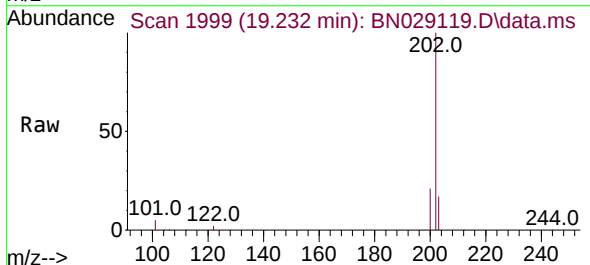
Instrument :
BNA_N
ClientSampleId :
PE-3

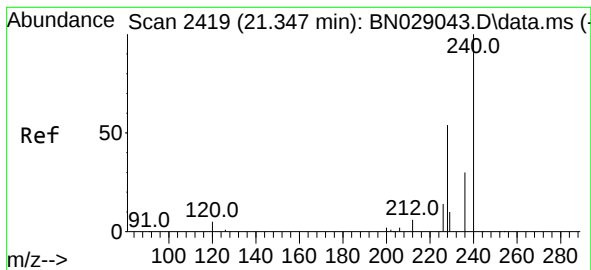
Tgt Ion:212 Resp: 1836
Ion Ratio Lower Upper
212 100
106 7.2 3.9 5.9#
104 4.6 2.6 3.8#



#28
Fluoranthene
Concen: 2.348 ng
RT: 19.232 min Scan# 1999
Delta R.T. 0.019 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:202 Resp: 42878
Ion Ratio Lower Upper
202 100
101 4.7 3.0 4.6#
203 17.0 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.365 min Scan# 2419

Delta R.T. 0.018 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

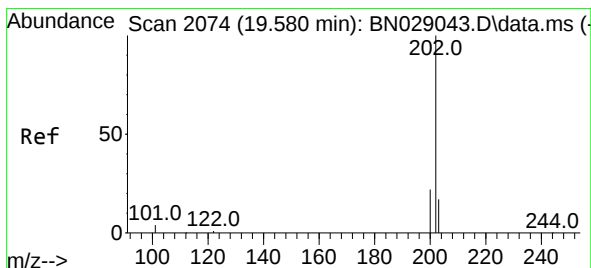
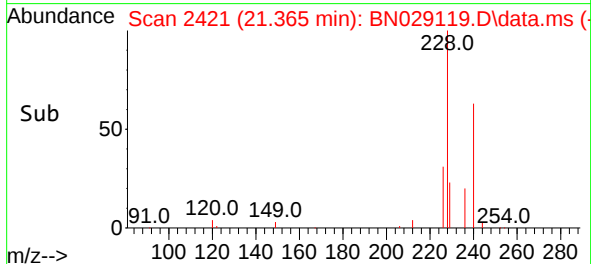
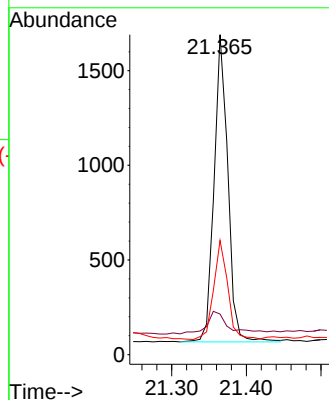
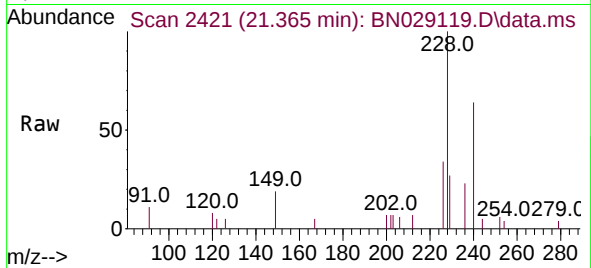
Tgt Ion:240 Resp: 2085

Ion Ratio Lower Upper

240 100

120 12.7 6.7 10.1#

236 35.7 25.7 38.5



#30

Pyrene

Concen: 2.755 ng

RT: 19.594 min Scan# 2077

Delta R.T. 0.014 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

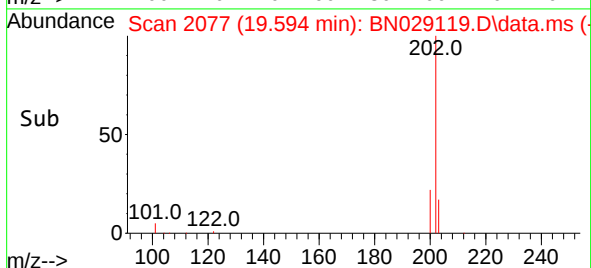
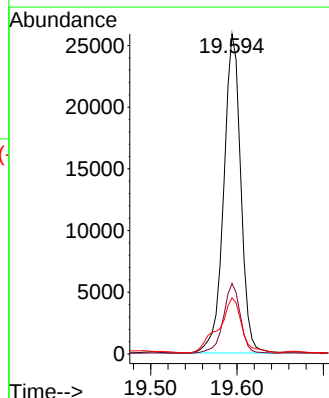
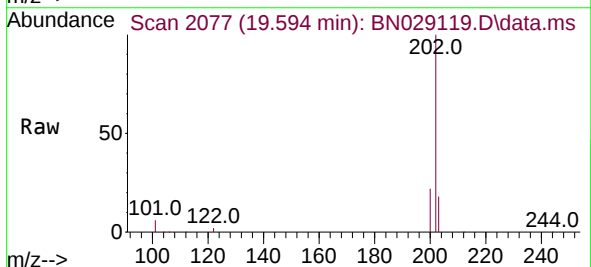
Tgt Ion:202 Resp: 35612

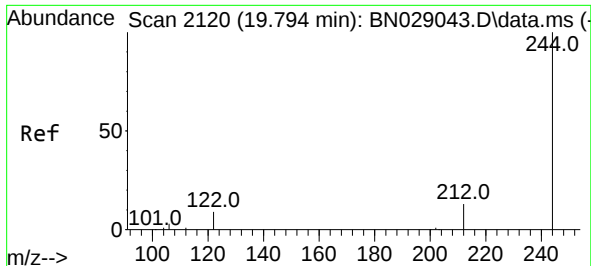
Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

203 23.1 14.2 21.4#

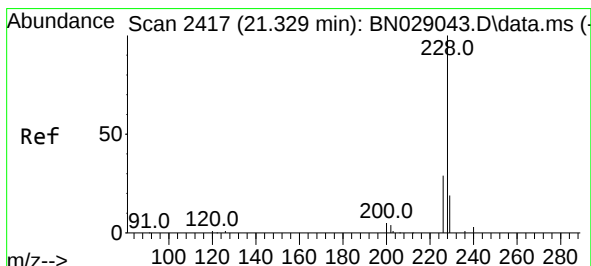
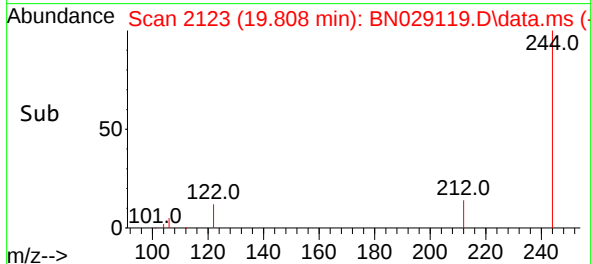
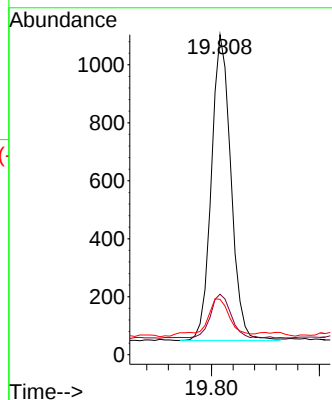
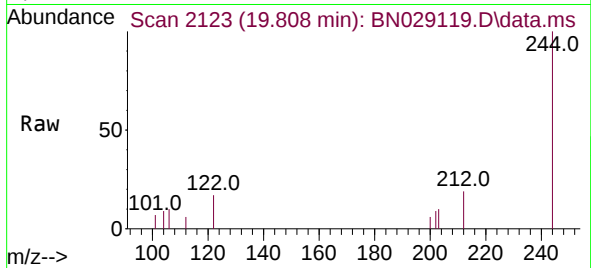




#31
 Terphenyl-d14
 Concen: 0.251 ng
 RT: 19.808 min Scan# 21
 Delta R.T. 0.014 min
 Lab File: BN029119.D
 Acq: 08 Dec 2023 09:18

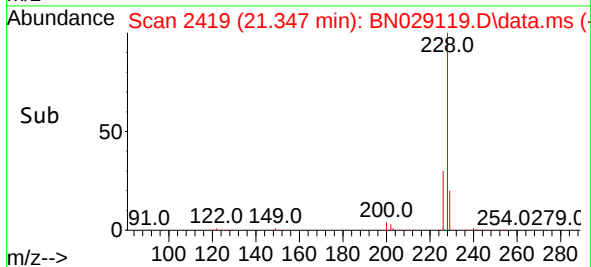
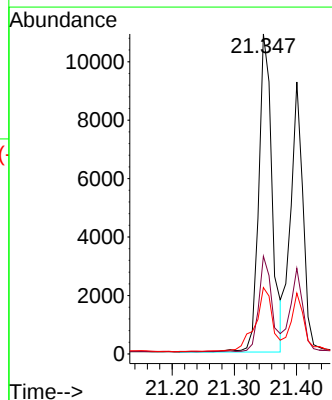
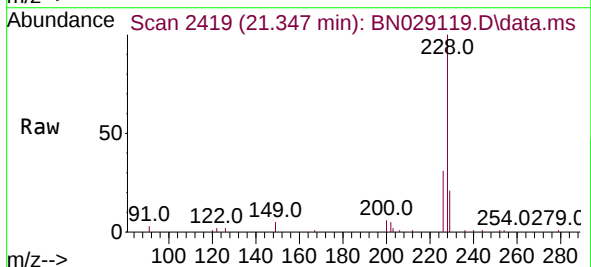
Instrument :
 BNA_N
 ClientSampleId :
 PE-3

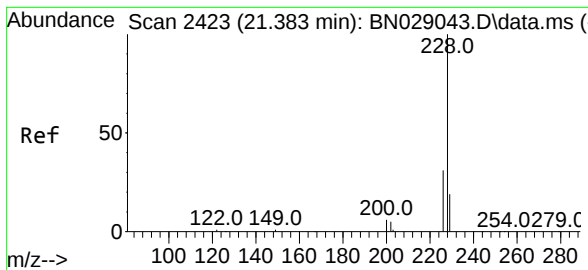
Tgt Ion:244 Resp: 1324
 Ion Ratio Lower Upper
 244 100
 212 18.9 11.6 17.4#
 122 17.3 8.2 12.4#



#32
 Benzo(a)anthracene
 Concen: 1.538 ng
 RT: 21.347 min Scan# 2419
 Delta R.T. 0.018 min
 Lab File: BN029119.D
 Acq: 08 Dec 2023 09:18

Tgt Ion:228 Resp: 16260
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.8 35.6
 229 20.7 16.0 24.0





#33

Chrysene

Concen: 1.212 ng

RT: 21.401 min Scan# 2423

Delta R.T. 0.018 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

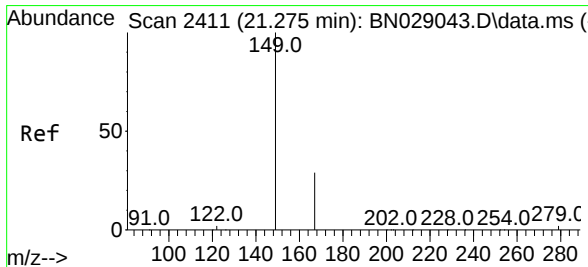
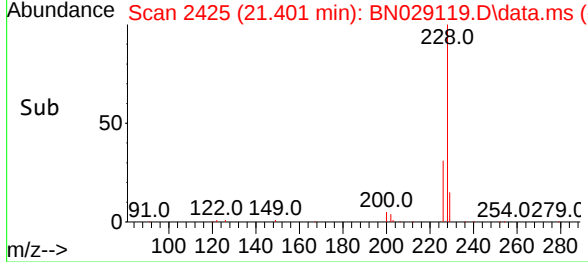
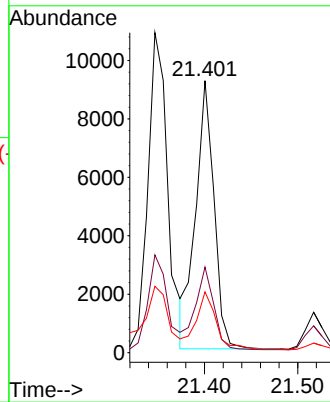
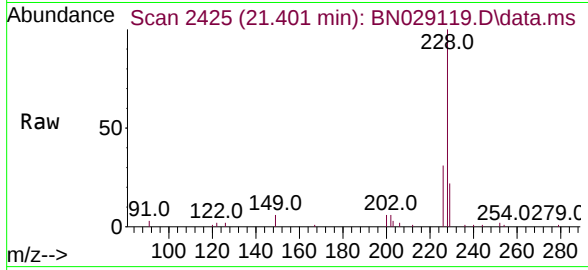
Tgt Ion:228 Resp: 12616

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.0

229 22.4 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.196 ng

RT: 21.293 min Scan# 2413

Delta R.T. 0.018 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

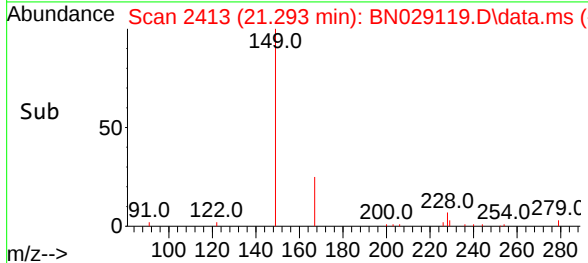
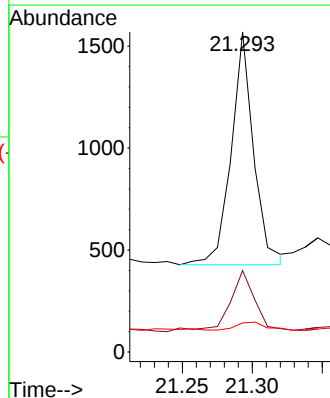
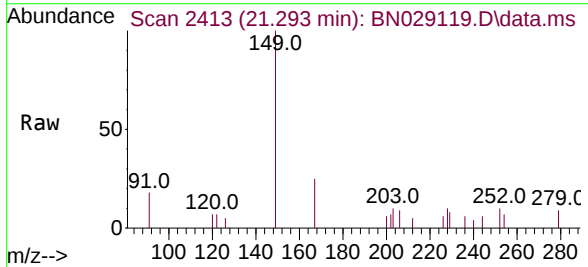
Tgt Ion:149 Resp: 1275

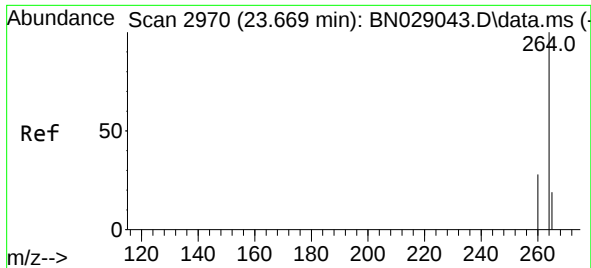
Ion Ratio Lower Upper

149 100

167 30.0 23.4 35.2

279 4.9 3.4 5.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.699 min Scan# 2970

Delta R.T. 0.029 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

Instrument :

BNA_N

ClientSampleId :

PE-3

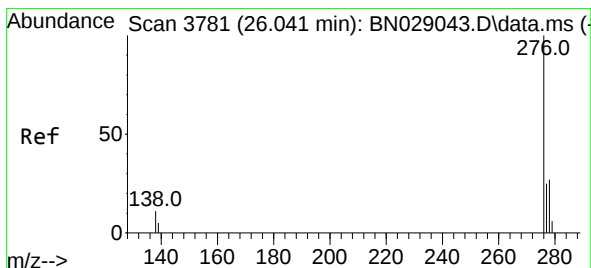
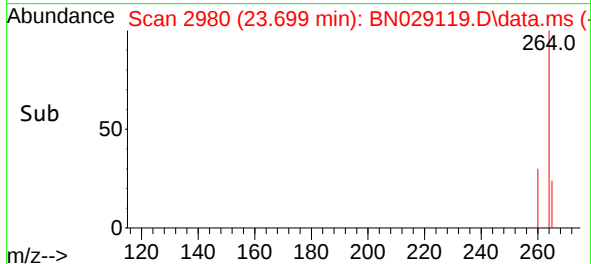
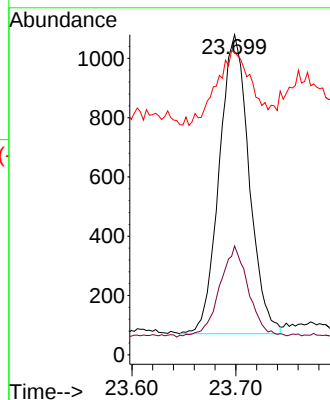
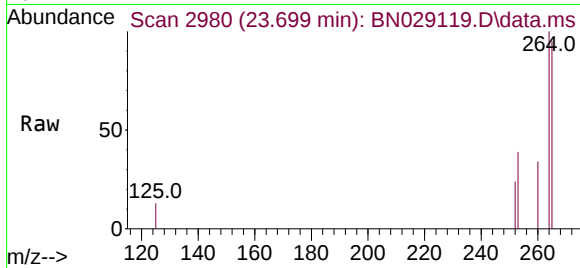
Tgt Ion:264 Resp: 2015

Ion Ratio Lower Upper

264 100

260 34.0 23.9 35.9

265 94.5 52.7 79.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.753 ng

RT: 26.102 min Scan# 3802

Delta R.T. 0.061 min

Lab File: BN029119.D

Acq: 08 Dec 2023 09:18

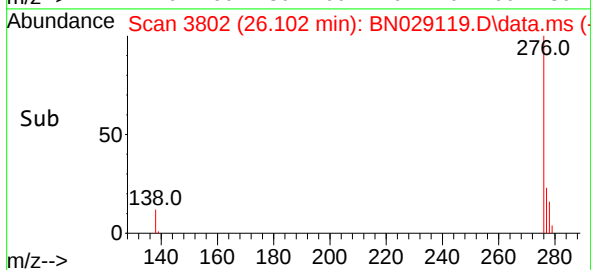
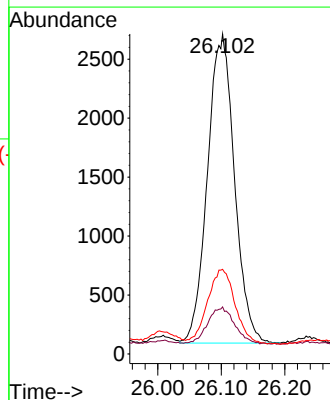
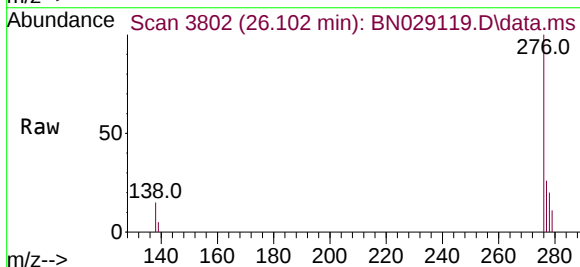
Tgt Ion:276 Resp: 7737

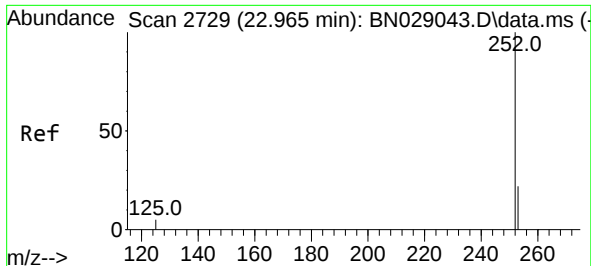
Ion Ratio Lower Upper

276 100

138 11.8 9.6 14.4

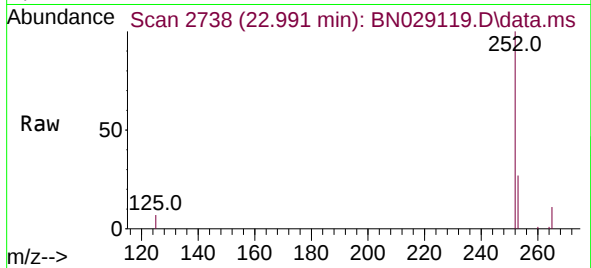
277 24.8 19.4 29.0



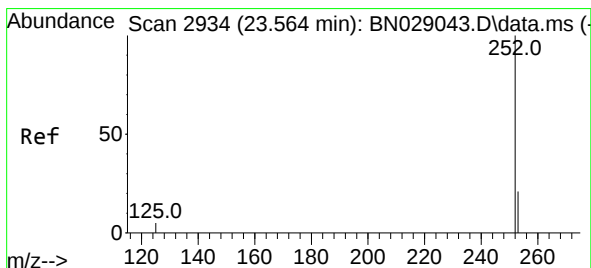
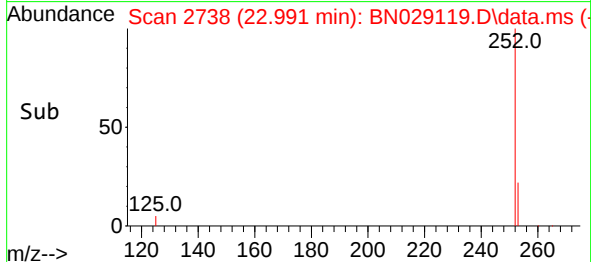
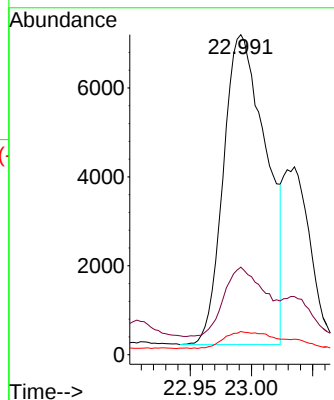


#37
Benzo(b)fluoranthene
Concen: 1.567 ng
RT: 22.991 min Scan# 21
Delta R.T. 0.026 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Instrument :
BNA_N
ClientSampleId :
PE-3

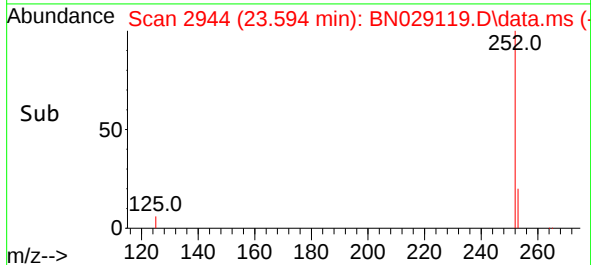
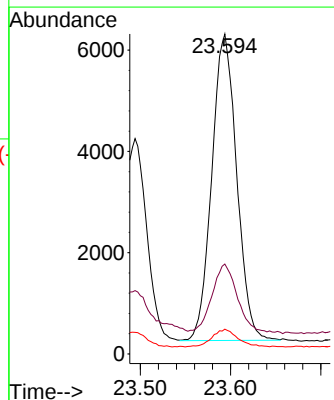
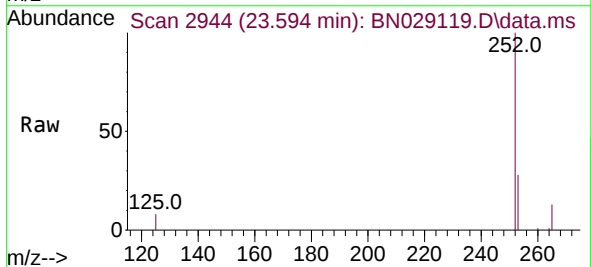


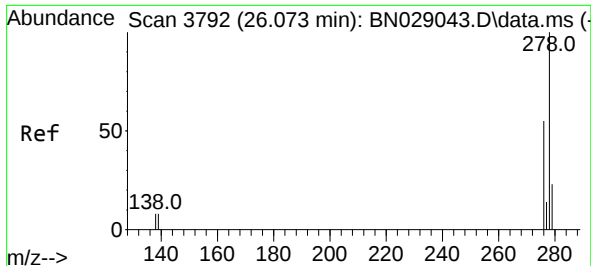
Tgt Ion:252 Resp: 16948
Ion Ratio Lower Upper
252 100
253 27.4 23.0 34.6
125 7.3 5.4 8.0



#39
Benzo(a)pyrene
Concen: 1.298 ng
RT: 23.594 min Scan# 2944
Delta R.T. 0.029 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:252 Resp: 11620
Ion Ratio Lower Upper
252 100
253 28.1 25.3 37.9
125 7.8 6.5 9.7

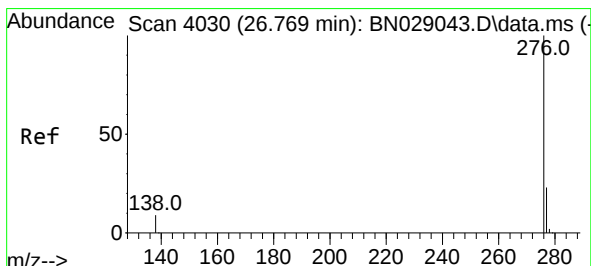
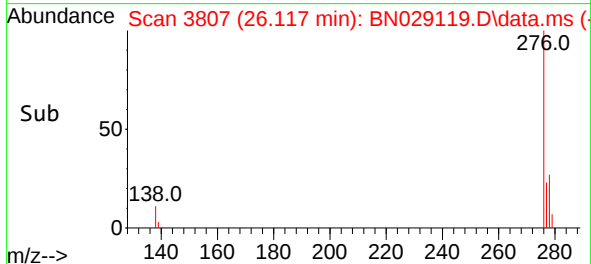
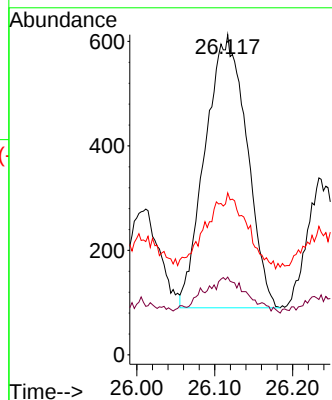
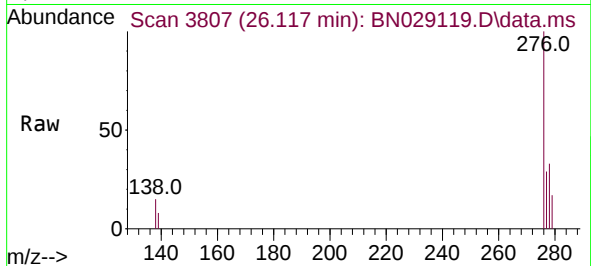




#40
Dibenzo(a,h)anthracene
Concen: 0.245 ng
RT: 26.117 min Scan# 31
Delta R.T. 0.044 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Instrument :
BNA_N
ClientSampleId :
PE-3

Tgt Ion:278 Resp: 1938
Ion Ratio Lower Upper
278 100
139 24.3 9.4 14.2#
279 50.6 24.2 36.4#



#41
Benzo(g,h,i)perylene
Concen: 0.825 ng
RT: 26.836 min Scan# 4053
Delta R.T. 0.067 min
Lab File: BN029119.D
Acq: 08 Dec 2023 09:18

Tgt Ion:276 Resp: 7153
Ion Ratio Lower Upper
276 100
277 25.4 20.3 30.5
138 15.4 9.2 13.8#

