

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029102.D
 Acq On : 07 Dec 2023 21:56
 Operator : MA/JU
 Sample : 05611-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-1-DUPLICATE

Quant Time: Dec 07 22:57:28 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)

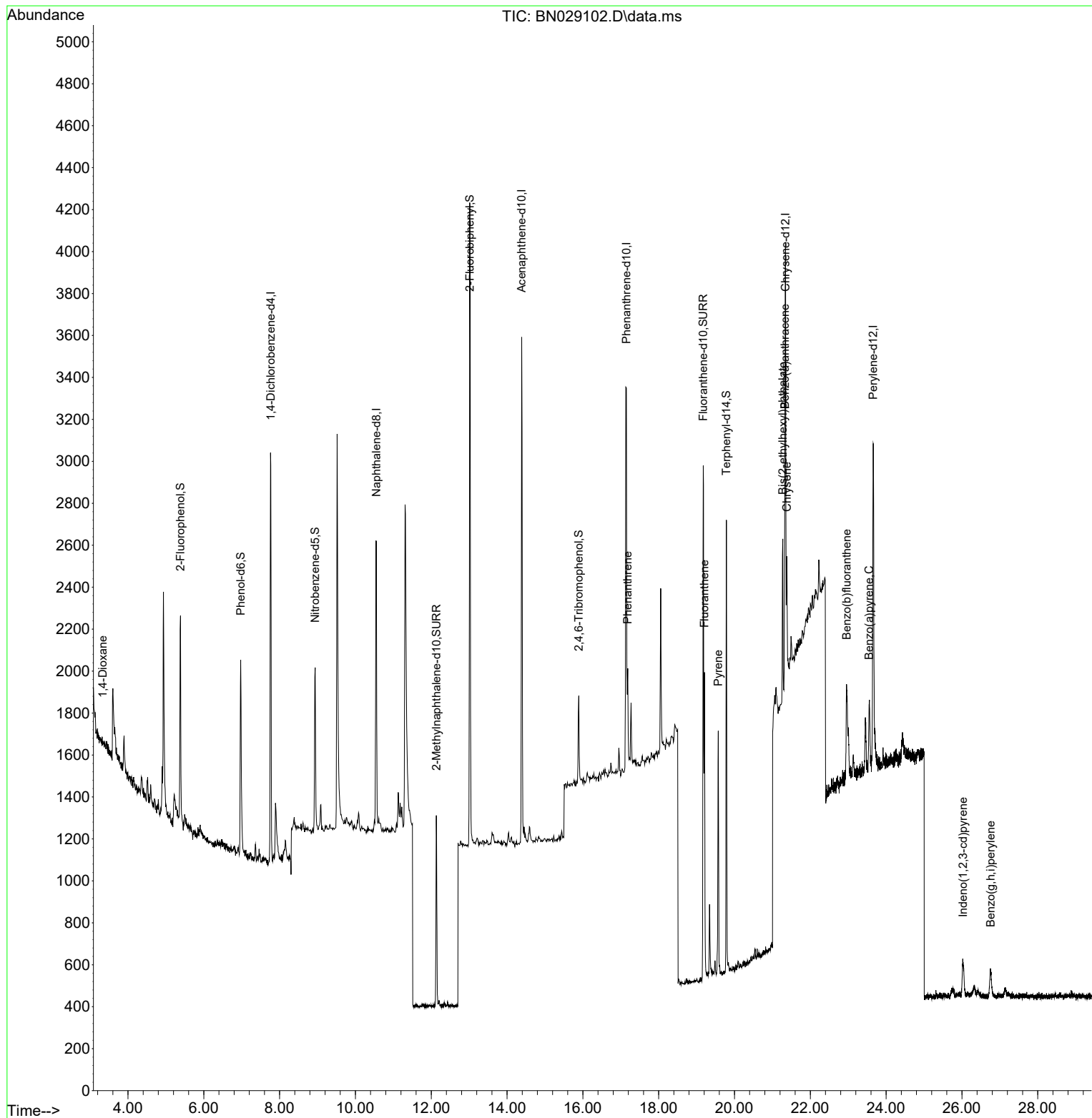
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	990	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	2052	0.400	ng	-0.01
13) Acenaphthene-d10	14.386	164	1393	0.400	ng	-0.01
19) Phenanthrene-d10	17.146	188	3245	0.400	ng	0.00
29) Chrysene-d12	21.347	240	1877	0.400	ng	# 0.00
35) Perylene-d12	23.661	264	2154	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	797	0.356	ng	0.00
5) Phenol-d6	6.973	99	896	0.335	ng	0.00
8) Nitrobenzene-d5	8.939	82	832	0.336	ng	0.00
11) 2-Methylnaphthalene-d10	12.136	152	1231	0.286	ng	-0.01
14) 2,4,6-Tribromophenol	15.893	330	269	0.175	ng	0.00
15) 2-Fluorobiphenyl	13.017	172	2697	0.374	ng	-0.01
27) Fluoranthene-d10	19.176	212	3026	0.297	ng	0.00
31) Terphenyl-d14	19.785	244	1978	0.416	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.333	88	30	0.038	ng	# 17
25) Phenanthrene	17.184	178	498	0.046	ng	# 94
28) Fluoranthene	19.209	202	1301	0.087	ng	# 96
30) Pyrene	19.571	202	1100	0.095	ng	# 93
32) Benzo(a)anthracene	21.329	228	579	0.061	ng	# 79
33) Chrysene	21.383	228	526	0.056	ng	# 77
34) Bis(2-ethylhexyl)phtha...	21.275	149	862	0.147	ng	95
36) Indeno(1,2,3-cd)pyrene	26.026	276	347	0.032	ng	# 89
37) Benzo(b)fluoranthene	22.956	252	801	0.069	ng	# 12
39) Benzo(a)pyrene	23.553	252	532	0.056	ng	# 1
41) Benzo(g,h,i)perylene	26.760	276	322	0.035	ng	# 26

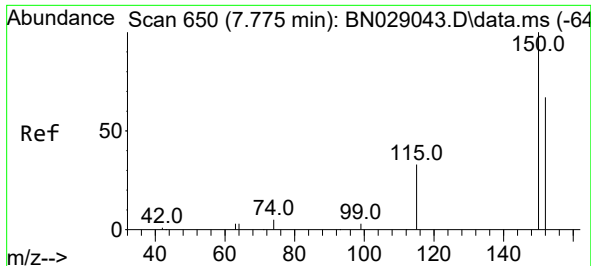
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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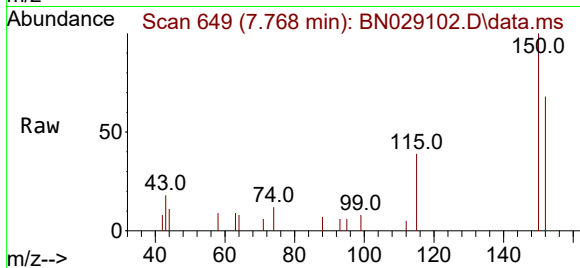
Quant Time: Dec 07 22:57:28 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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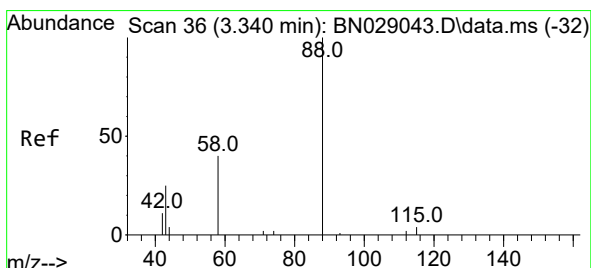
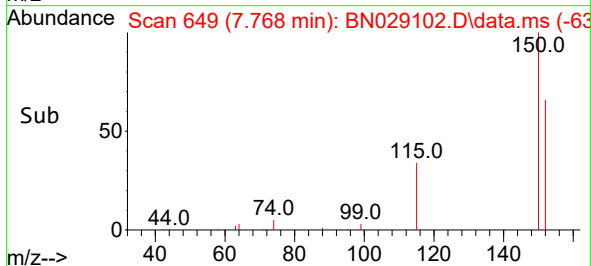
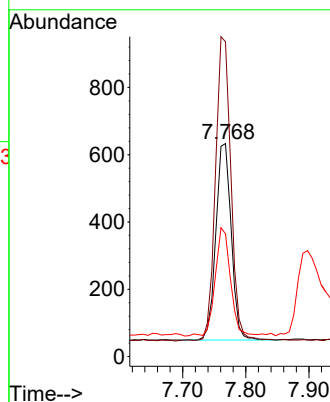


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN029102.D
 Acq: 07 Dec 2023 21:56

Instrument :
 BNA_N
 ClientSampleId :
 PE-1-DUPLICATE

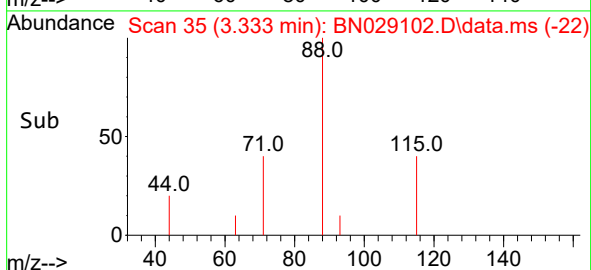
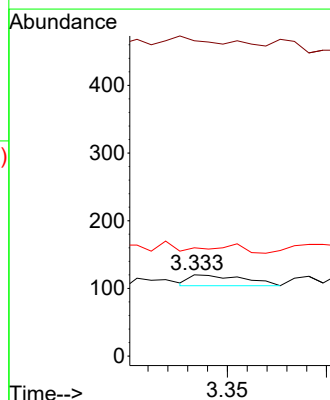
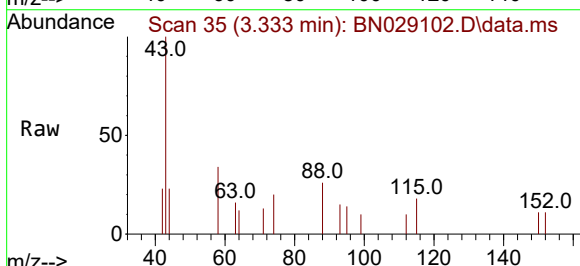


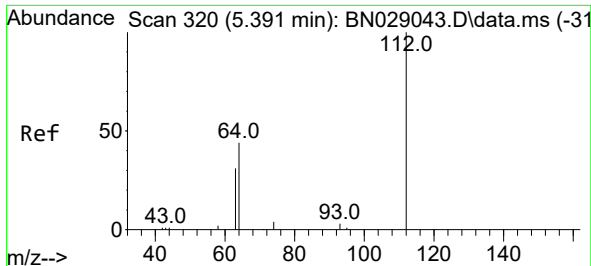
Tgt Ion:152 Resp: 990
 Ion Ratio Lower Upper
 152 100
 150 147.9 116.2 174.4
 115 57.7 45.1 67.7



#2
 1,4-Dioxane
 Concen: 0.038 ng
 RT: 3.333 min Scan# 35
 Delta R.T. -0.007 min
 Lab File: BN029102.D
 Acq: 07 Dec 2023 21:56

Tgt Ion: 88 Resp: 30
 Ion Ratio Lower Upper
 88 100
 43 73.3 15.6 23.4#
 58 0.0 33.2 49.8#

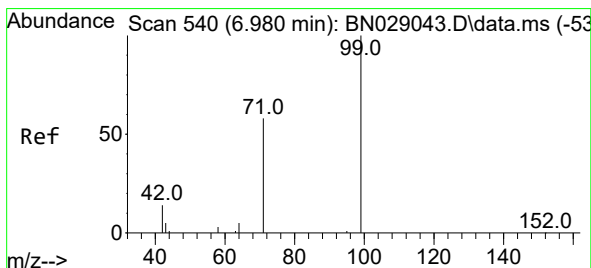
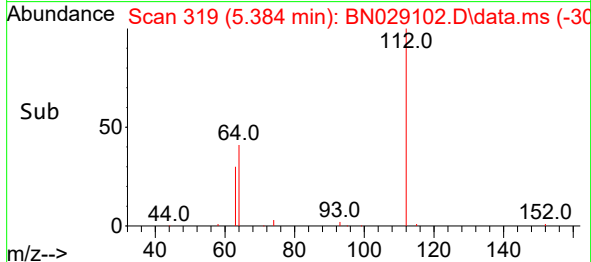
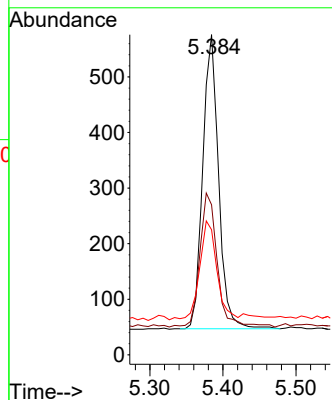
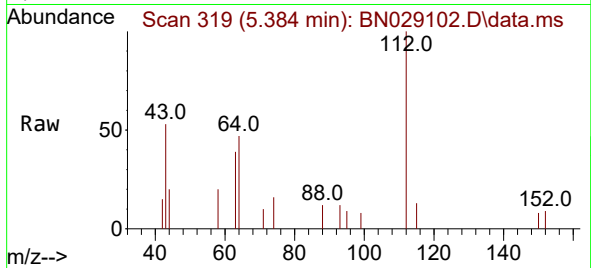




#4
2-Fluorophenol
Concen: 0.356 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

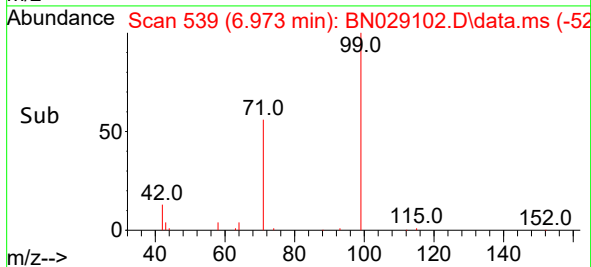
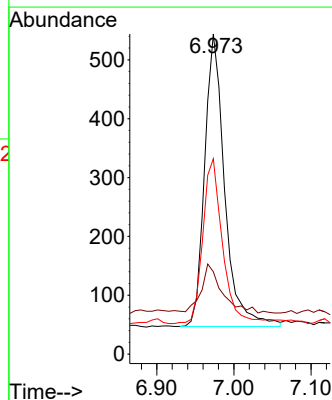
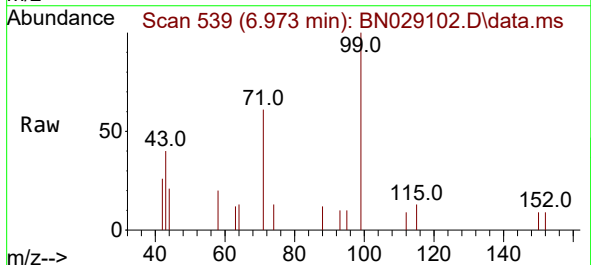
Instrument :
BNA_N
ClientSampleId :
PE-1-DUPLICATE

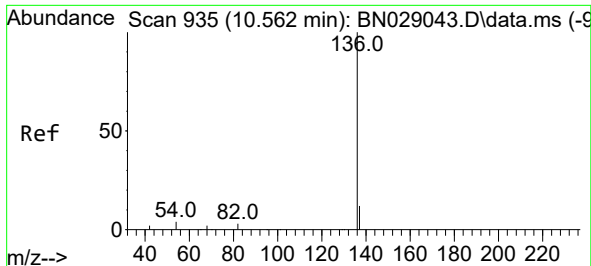
Tgt Ion:112 Resp: 797
Ion Ratio Lower Upper
112 100
64 50.1 37.0 55.6
63 35.3 29.0 43.6



#5
Phenol-d6
Concen: 0.335 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.007 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Tgt Ion: 99 Resp: 896
Ion Ratio Lower Upper
99 100
42 17.4 13.4 20.2
71 56.8 47.8 71.6

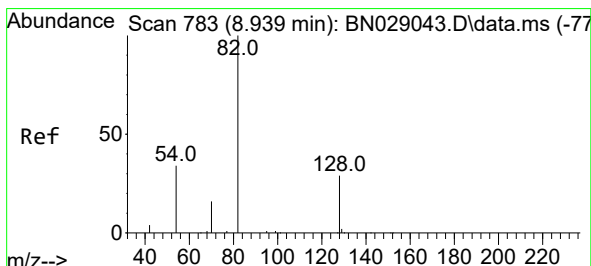
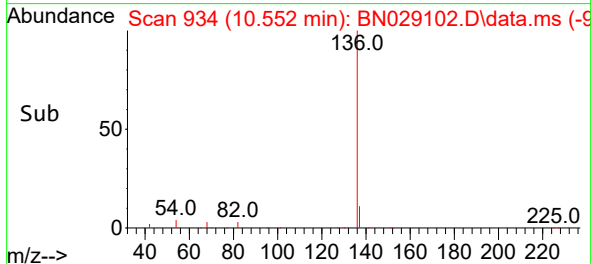
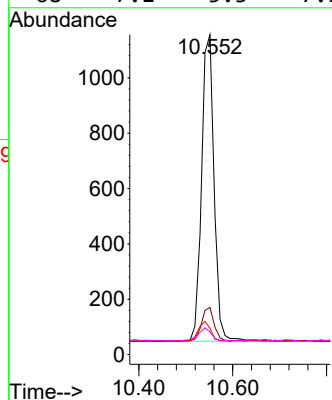
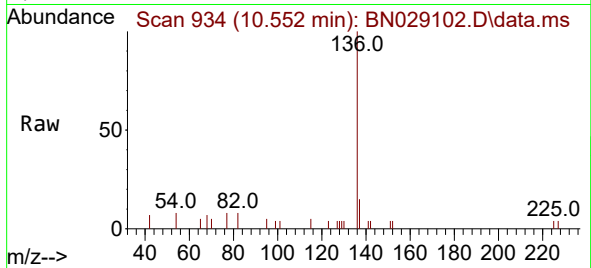




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

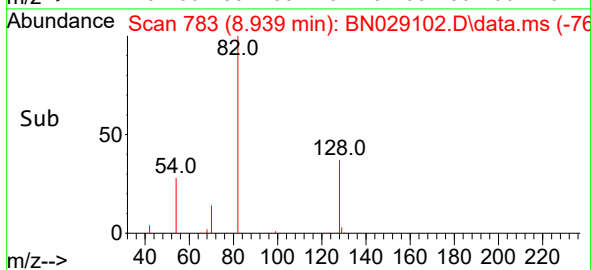
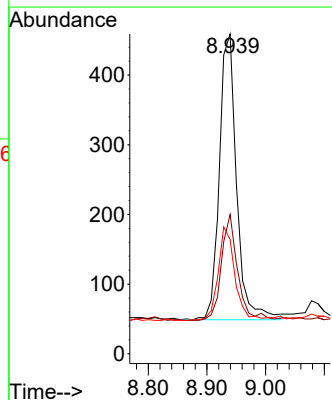
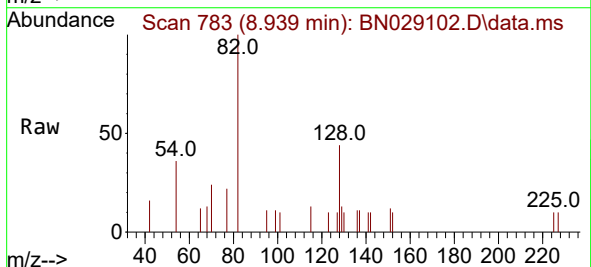
Instrument :
BNA_N
ClientSampleId :
PE-1-DUPLICATE

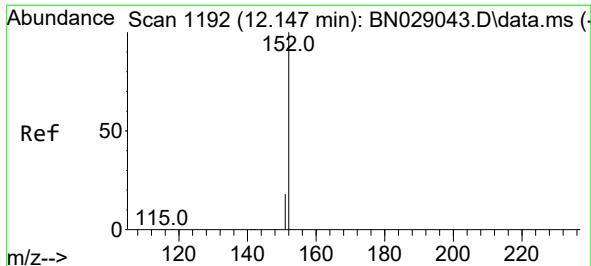
Tgt Ion:	136	Resp:	2052
Ion	Ratio	Lower	Upper
136	100		
137	14.7	11.9	17.9
54	8.2	6.4	9.6
68	7.1	5.3	7.9



#8
Nitrobenzene-d5
Concen: 0.336 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Tgt Ion:	82	Resp:	832
Ion	Ratio	Lower	Upper
82	100		
128	43.6	28.2	42.4#
54	35.7	32.1	48.1

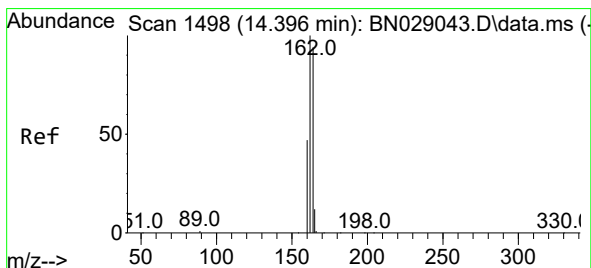
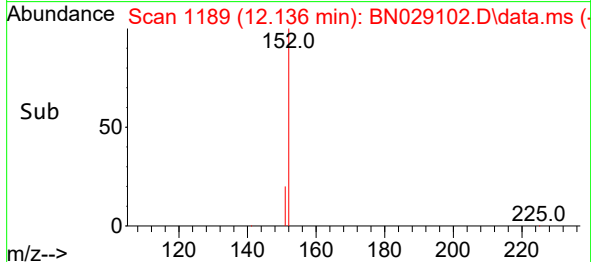
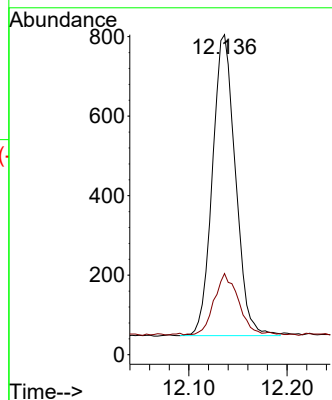
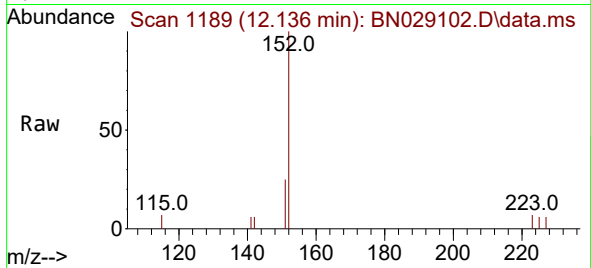




#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.136 min Scan# 1192
Delta R.T. -0.011 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

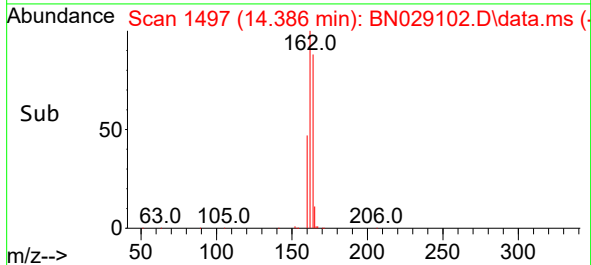
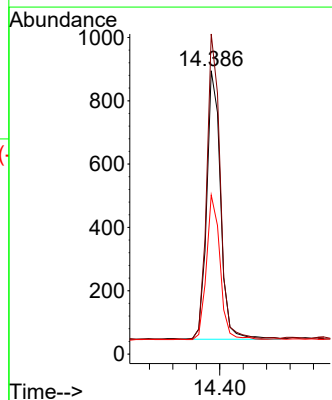
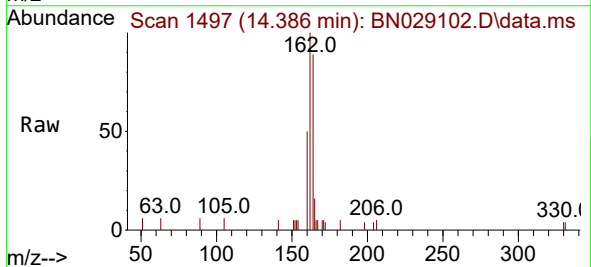
Instrument :
BNA_N
ClientSampleId :
PE-1-DUPLICATE

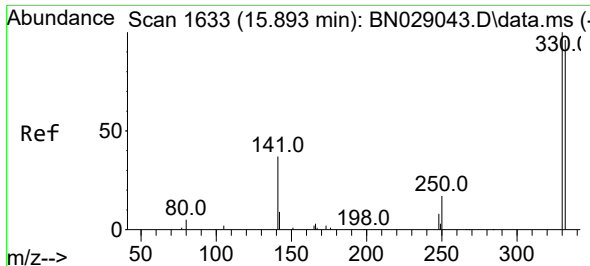
Tgt Ion:152 Resp: 1231
Ion Ratio Lower Upper
152 100
151 21.0 17.4 26.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.386 min Scan# 1497
Delta R.T. -0.011 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Tgt Ion:164 Resp: 1393
Ion Ratio Lower Upper
164 100
162 113.0 85.0 127.6
160 56.1 41.3 61.9

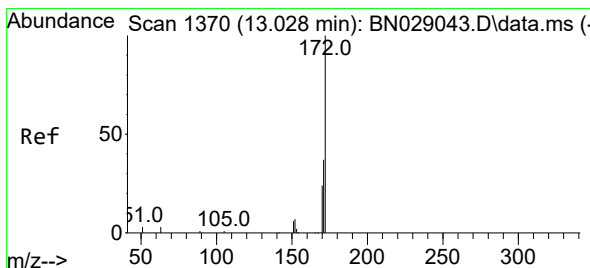
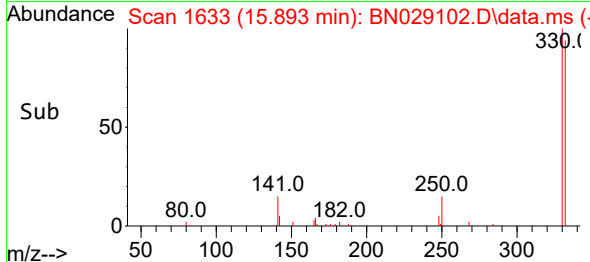
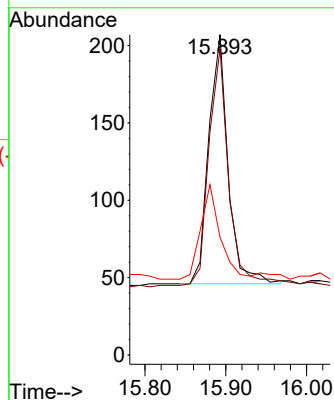
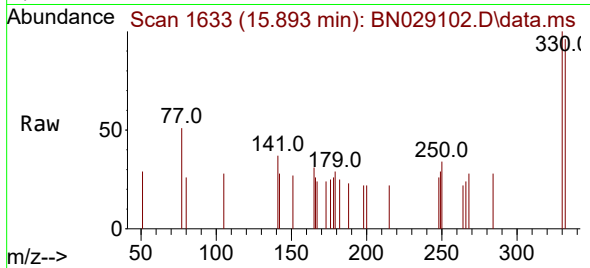




#14
2,4,6-Tribromophenol
Concen: 0.175 ng
RT: 15.893 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

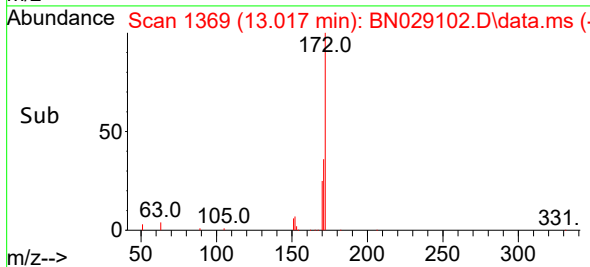
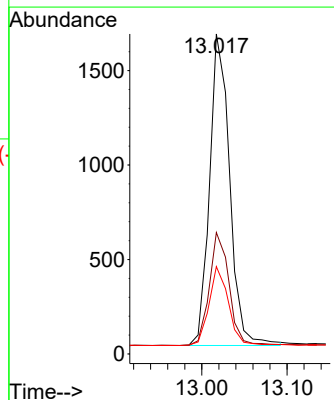
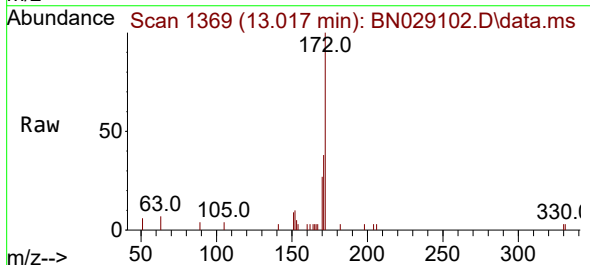
Instrument :
BNA_N
ClientSampleId :
PE-1-DUPLICATE

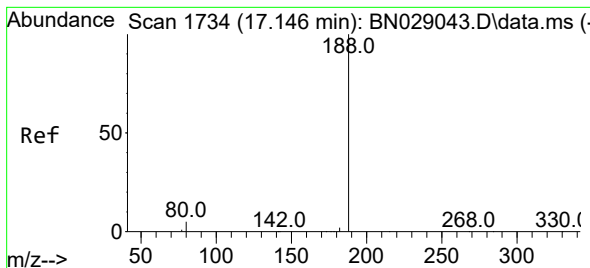
Tgt Ion: 330 Resp: 269
Ion Ratio Lower Upper
330 100
332 100.7 78.8 118.2
141 38.3 28.7 43.1



#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.017 min Scan# 1369
Delta R.T. -0.011 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Tgt Ion: 172 Resp: 2697
Ion Ratio Lower Upper
172 100
171 38.0 30.1 45.1
170 27.3 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.146 min Scan# 1734

Delta R.T. 0.000 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

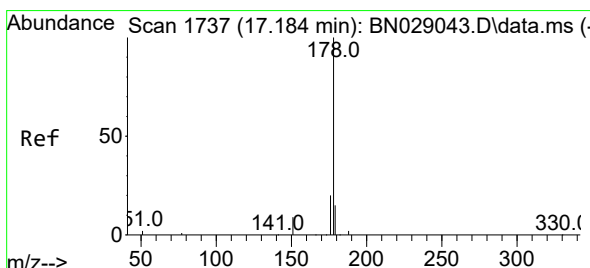
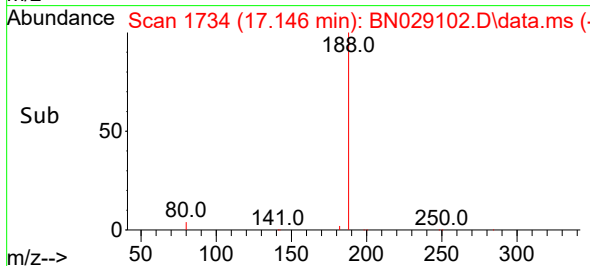
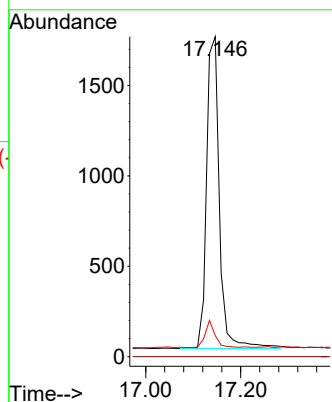
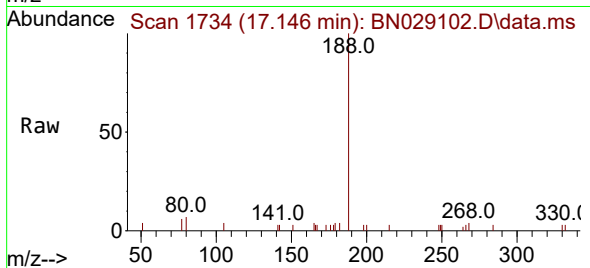
Instrument :

BNA_N

ClientSampleId :

PE-1-DUPLICATE

Tgt Ion:188	Resp:	3245
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	6.6	5.4



#25

Phenanthrene

Concen: 0.046 ng

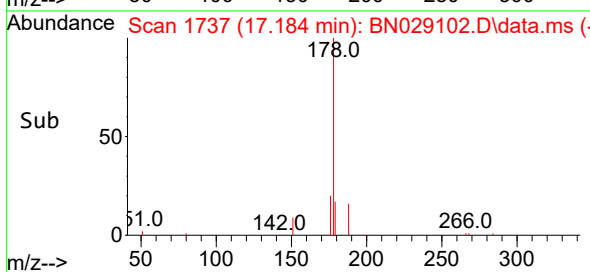
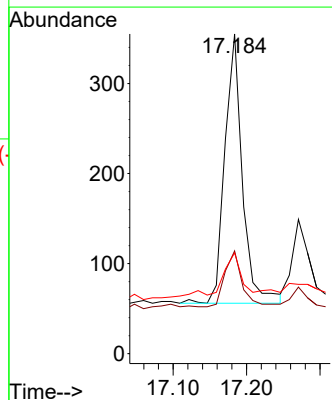
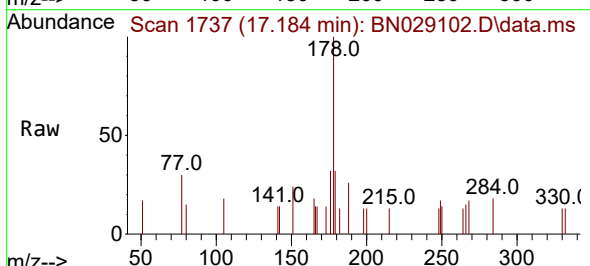
RT: 17.184 min Scan# 1737

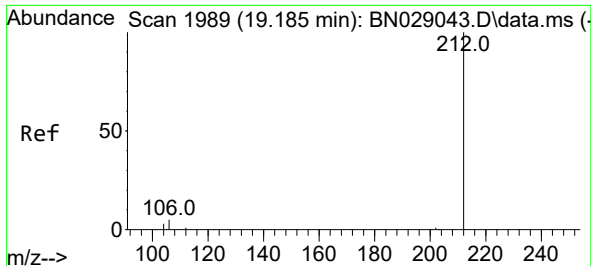
Delta R.T. 0.000 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

Tgt Ion:178	Resp:	498
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.6
179	20.3	12.6

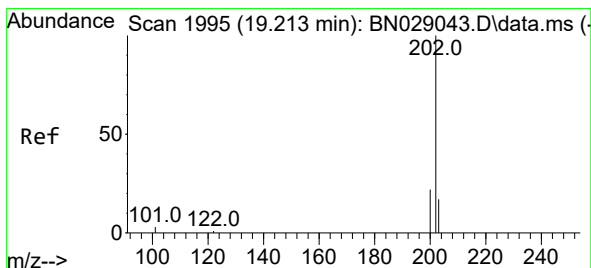
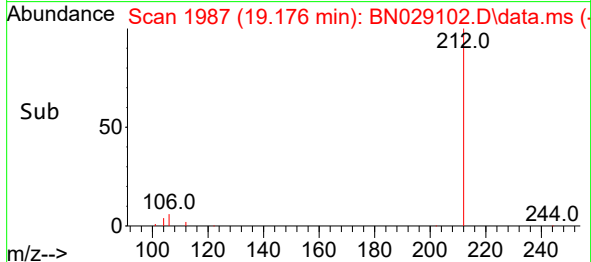
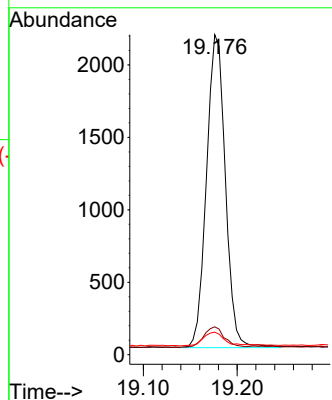
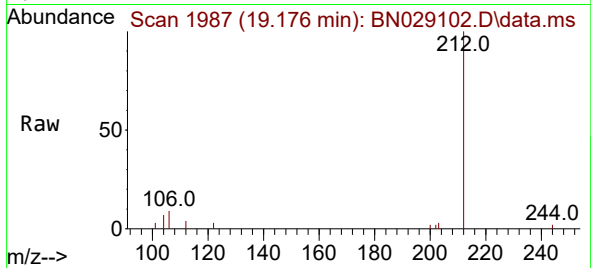




#27
Fluoranthene-d10
Concen: 0.297 ng
RT: 19.176 min Scan# 1987
Delta R.T. -0.009 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

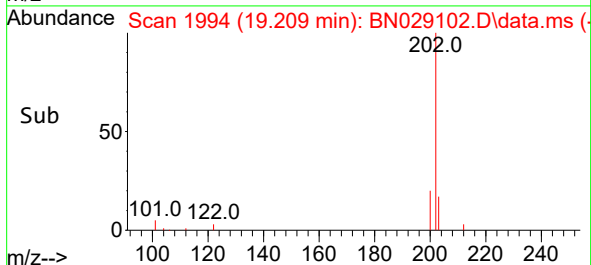
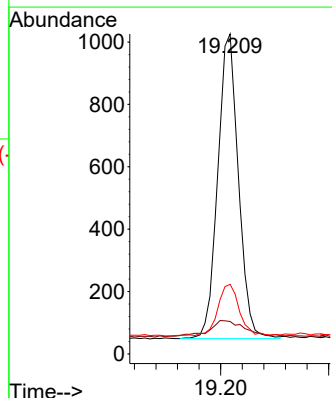
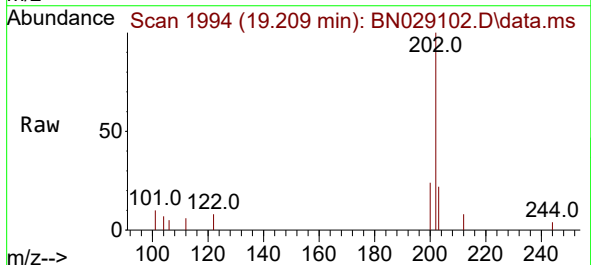
Instrument :
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PE-1-DUPLICATE

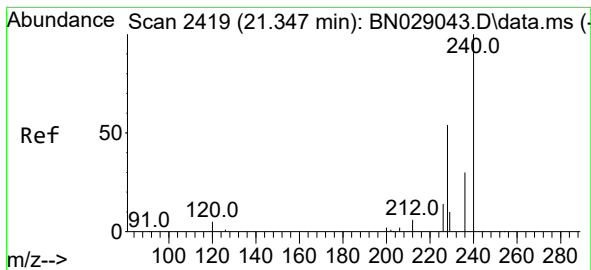
Tgt Ion:212 Resp: 3026
Ion Ratio Lower Upper
212 100
106 7.2 3.9 5.9#
104 5.3 2.6 3.8#



#28
Fluoranthene
Concen: 0.087 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Tgt Ion:202 Resp: 1301
Ion Ratio Lower Upper
202 100
101 9.6 3.0 4.6#
203 17.7 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: BN029102.D

Acq: 07 Dec 2023 21:56

Instrument :

BNA_N

ClientSampleId :

PE-1-DUPLICATE

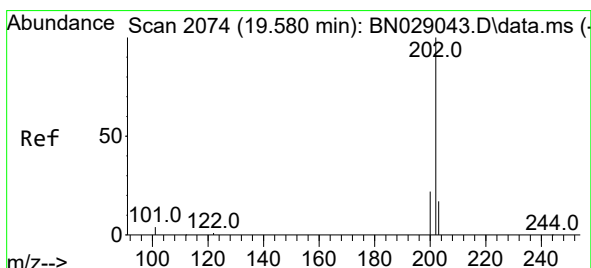
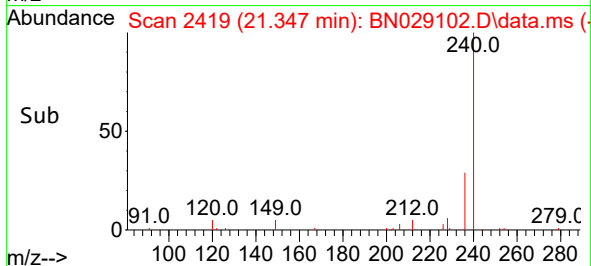
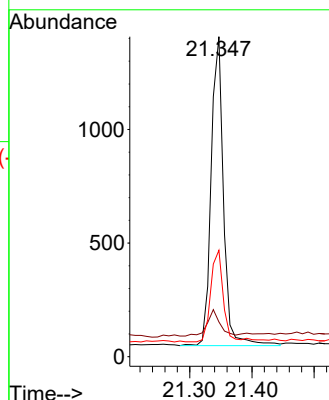
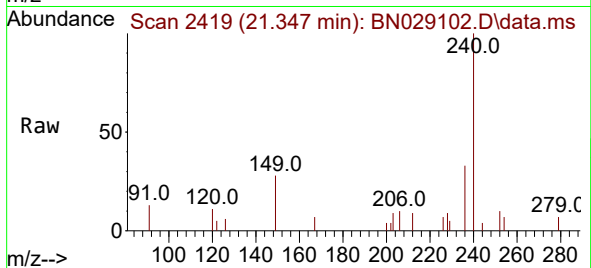
Tgt Ion:240 Resp: 1877

Ion Ratio Lower Upper

240 100

120 10.9 6.7 10.1#

236 33.2 25.7 38.5



#30

Pyrene

Concen: 0.095 ng

RT: 19.571 min Scan# 2072

Delta R.T. -0.009 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

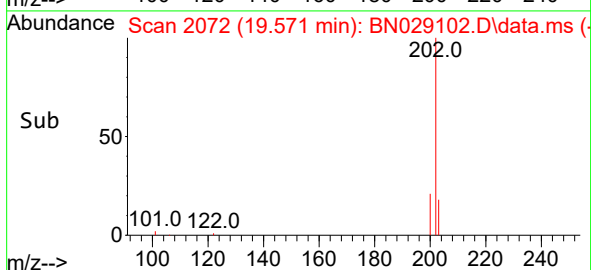
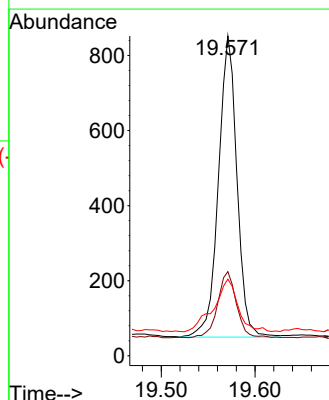
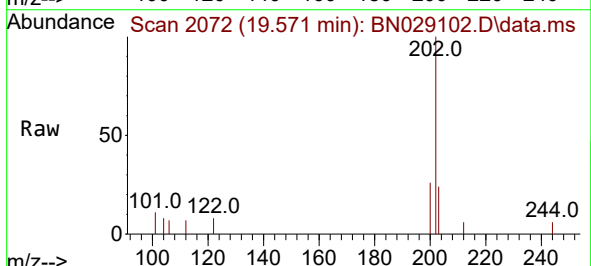
Tgt Ion:202 Resp: 1100

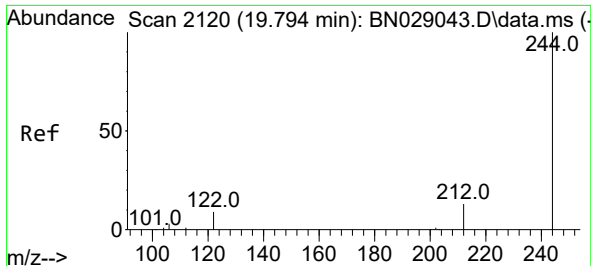
Ion Ratio Lower Upper

202 100

200 22.8 17.0 25.6

203 22.8 14.2 21.4#

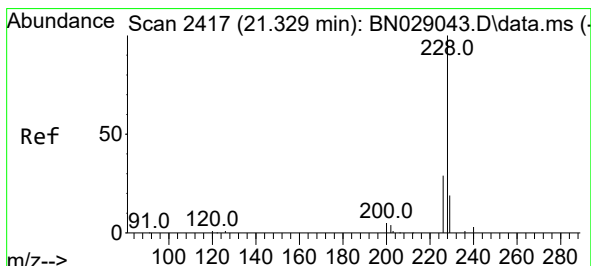
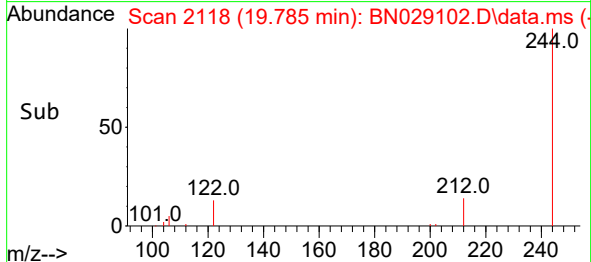
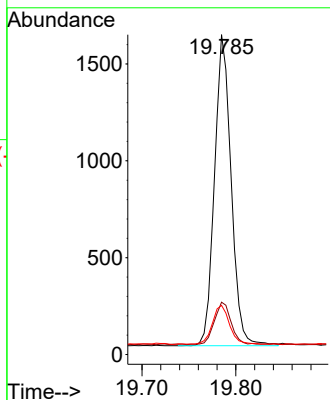
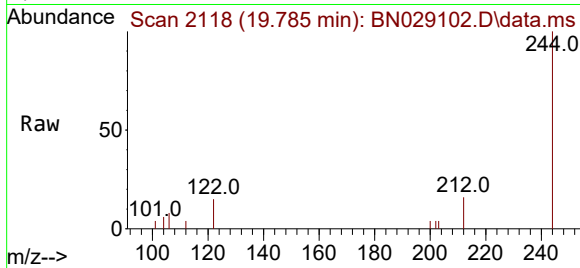




#31
 Terphenyl-d14
 Concen: 0.416 ng
 RT: 19.785 min Scan# 2118
 Delta R.T. -0.009 min
 Lab File: BN029102.D
 Acq: 07 Dec 2023 21:56

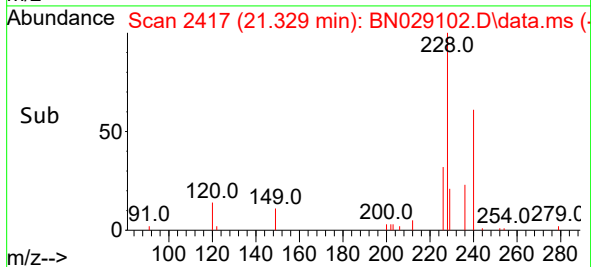
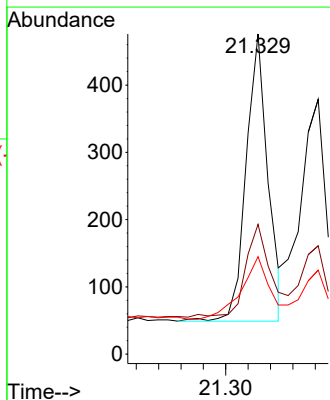
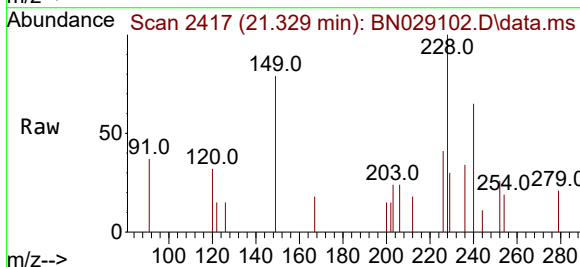
Instrument :
 BNA_N
 ClientSampleId :
 PE-1-DUPLICATE

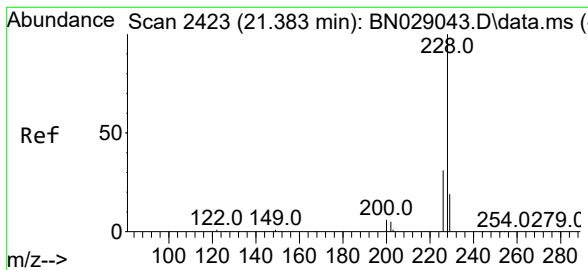
Tgt Ion:244 Resp: 1978
 Ion Ratio Lower Upper
 244 100
 212 16.4 11.6 17.4
 122 15.4 8.2 12.4#



#32
 Benzo(a)anthracene
 Concen: 0.061 ng
 RT: 21.329 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN029102.D
 Acq: 07 Dec 2023 21:56

Tgt Ion:228 Resp: 579
 Ion Ratio Lower Upper
 228 100
 226 40.5 23.8 35.6#
 229 30.5 16.0 24.0#





#33

Chrysene

Concen: 0.056 ng

RT: 21.383 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BN029102.D

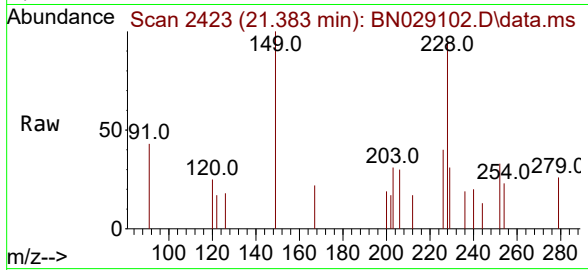
Acq: 07 Dec 2023 21:56

Instrument :

BNA_N

ClientSampleId :

PE-1-DUPLICATE



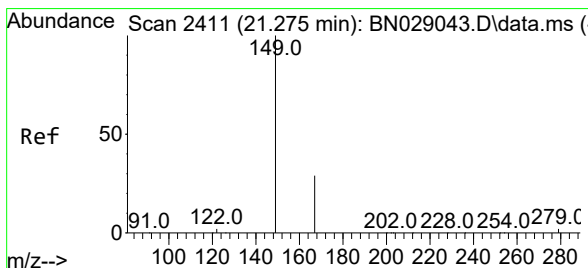
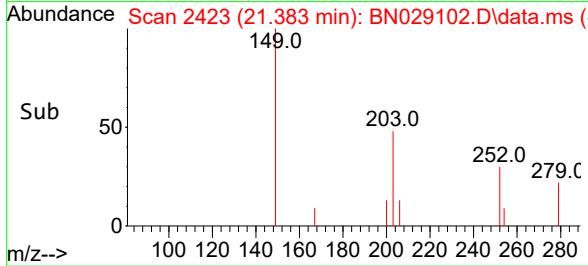
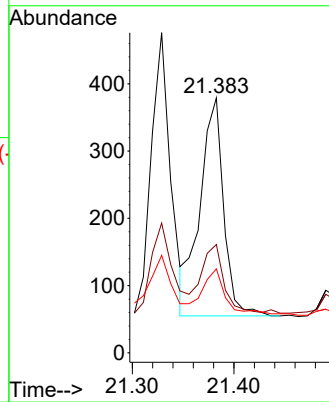
Tgt Ion:228 Resp: 526

Ion Ratio Lower Upper

228 100

226 42.5 25.4 38.0#

229 33.0 16.0 24.0#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

RT: 21.275 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

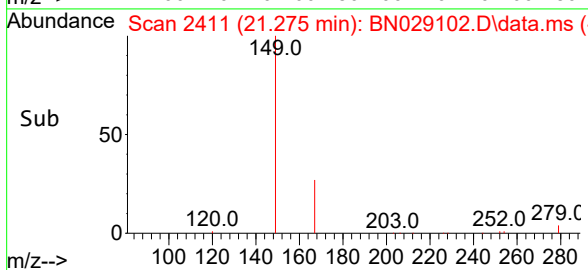
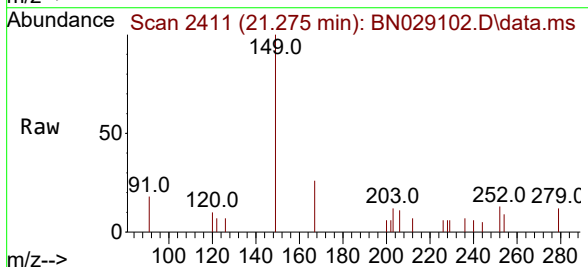
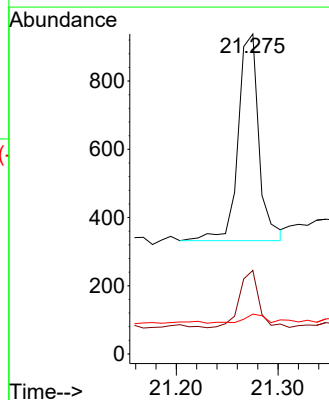
Tgt Ion:149 Resp: 862

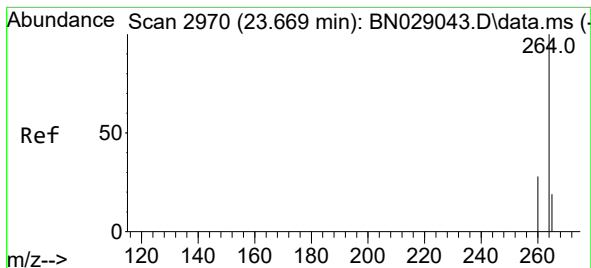
Ion Ratio Lower Upper

149 100

167 26.1 23.4 35.2

279 3.9 3.4 5.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.661 min Scan# 2970

Delta R.T. -0.009 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

Instrument :

BNA_N

ClientSampleId :

PE-1-DUPLICATE

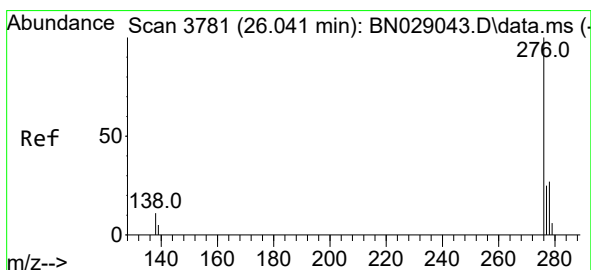
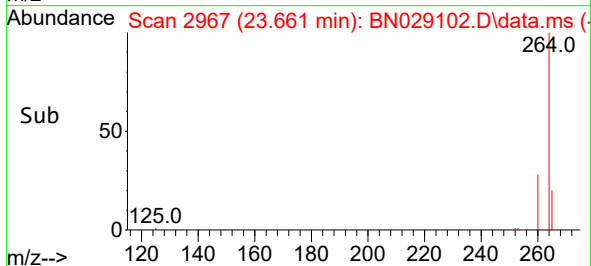
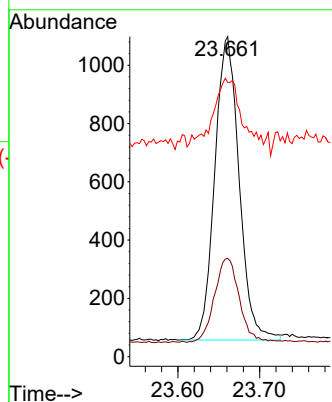
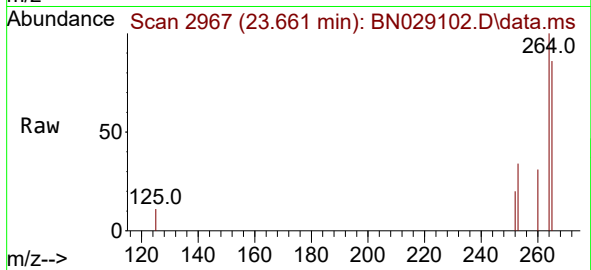
Tgt Ion:264 Resp: 2154

Ion Ratio Lower Upper

264 100

260 30.7 23.9 35.9

265 85.7 52.7 79.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.032 ng

RT: 26.026 min Scan# 3776

Delta R.T. -0.015 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

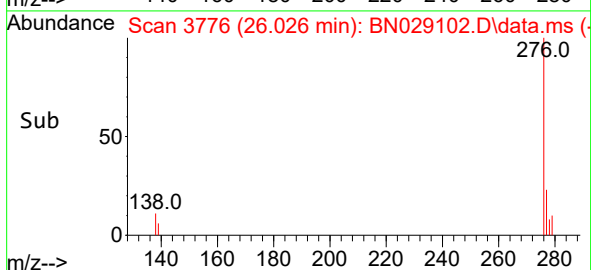
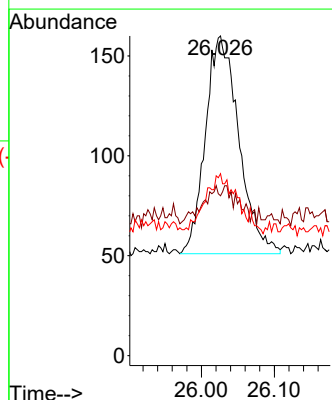
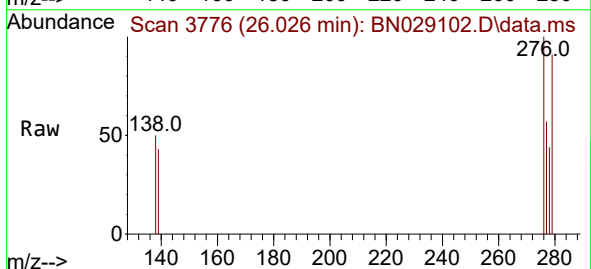
Tgt Ion:276 Resp: 347

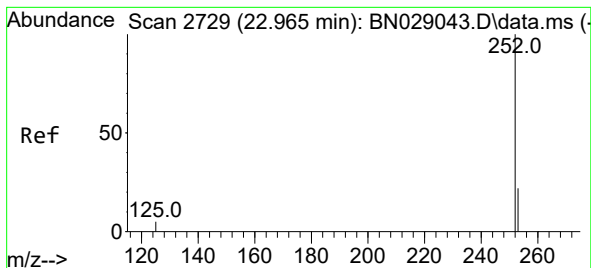
Ion Ratio Lower Upper

276 100

138 2.3 9.6 14.4#

277 22.2 19.4 29.0





#37

Benzo(b)fluoranthene

Concen: 0.069 ng

RT: 22.956 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

Instrument :

BNA_N

ClientSampleId :

PE-1-DUPLICATE

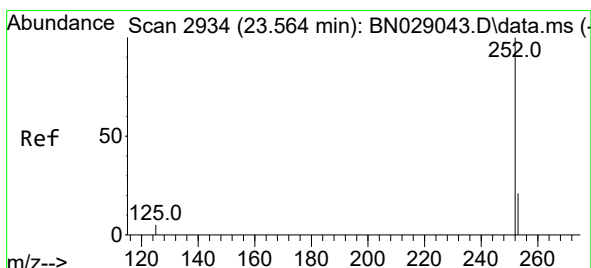
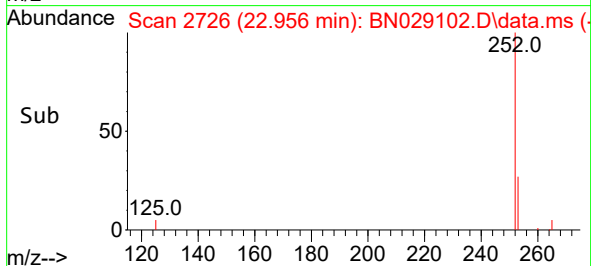
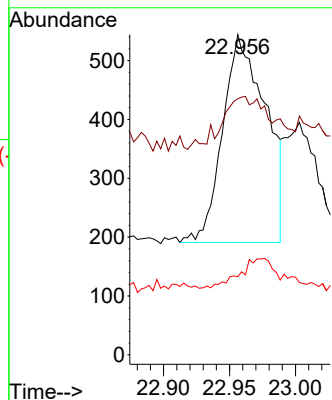
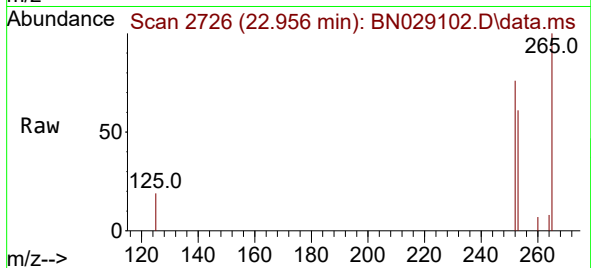
Tgt Ion:252 Resp: 801

Ion Ratio Lower Upper

252 100

253 80.0 23.0 34.6#

125 24.4 5.4 8.0#



#39

Benzo(a)pyrene

Concen: 0.056 ng

RT: 23.553 min Scan# 2930

Delta R.T. -0.012 min

Lab File: BN029102.D

Acq: 07 Dec 2023 21:56

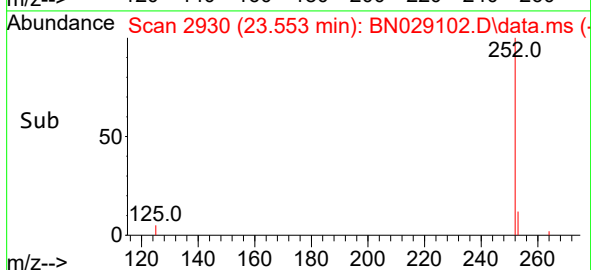
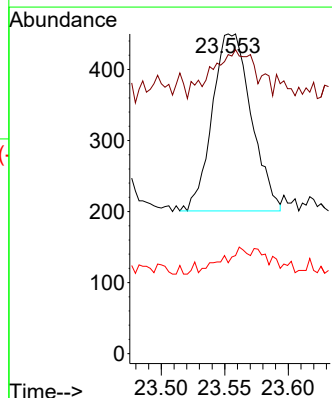
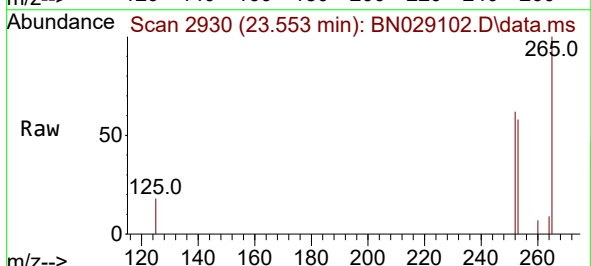
Tgt Ion:252 Resp: 532

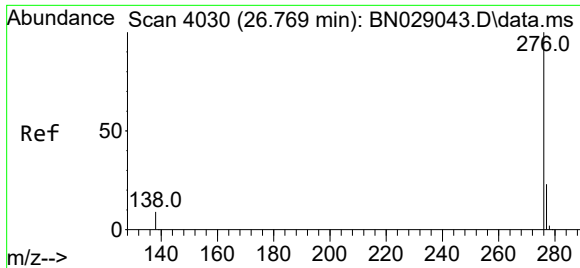
Ion Ratio Lower Upper

252 100

253 93.6 25.3 37.9#

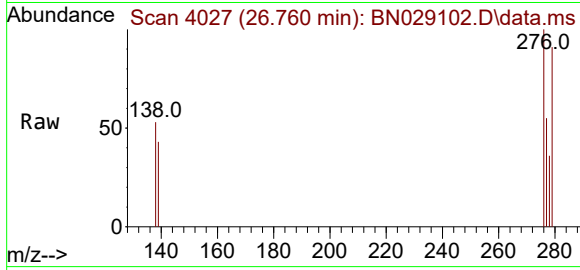
125 28.4 6.5 9.7#





#41
Benzo(g,h,i)perylene
Concen: 0.035 ng
RT: 26.760 min Scan# 40
Delta R.T. -0.009 min
Lab File: BN029102.D
Acq: 07 Dec 2023 21:56

Instrument :
BNA_N
ClientSampleId :
PE-1-DUPLICATE



Tgt Ion:276 Resp: 322
Ion Ratio Lower Upper
276 100
277 54.7 20.3 30.5#
138 53.3 9.2 13.8#

