

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029117.D
 Acq On : 08 Dec 2023 08:06
 Operator : MA/JU
 Sample : 05611-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-4

Quant Time: Dec 08 09:50:08 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

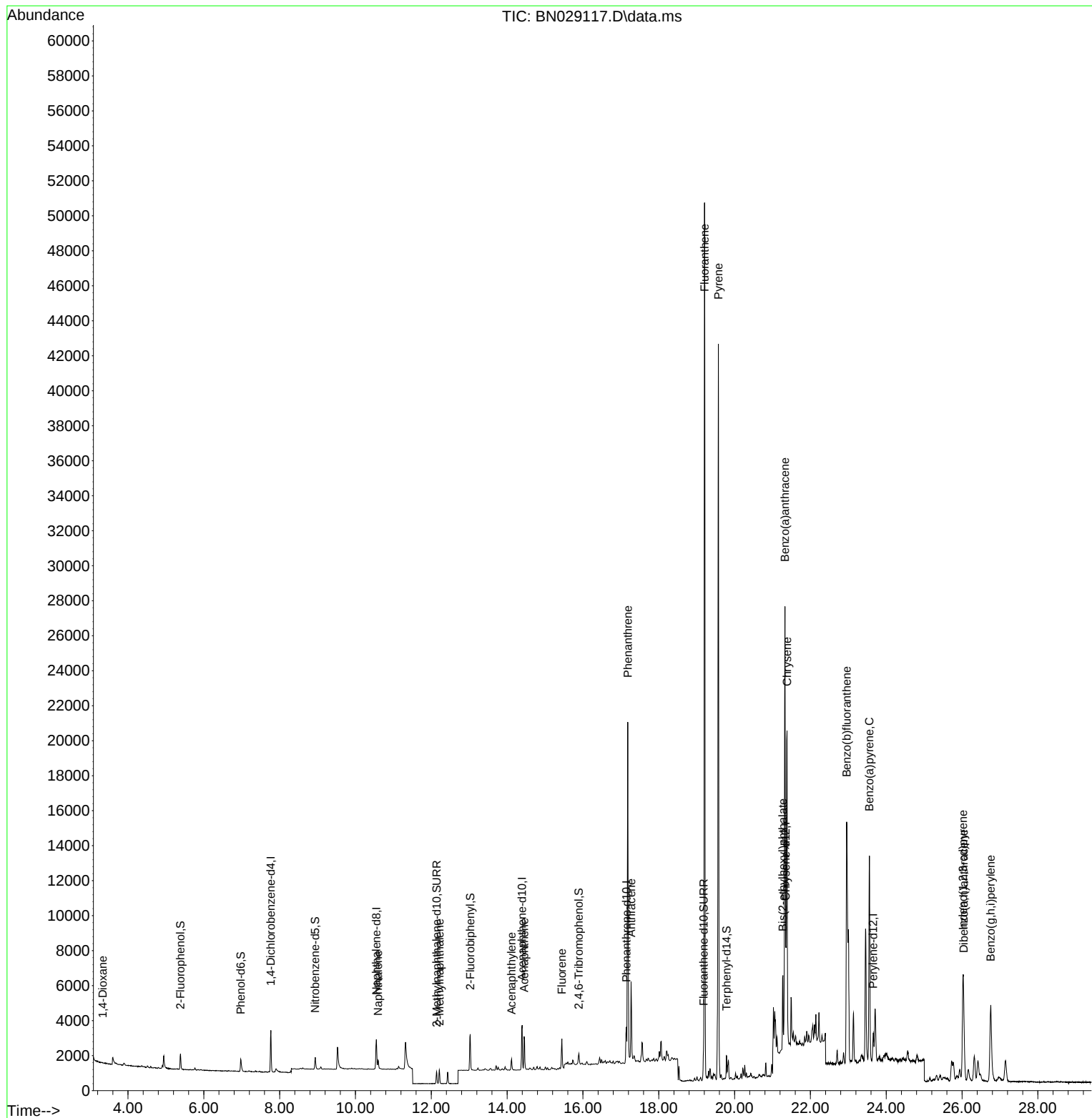
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	1130	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	2352	0.400	ng	-0.01
13) Acenaphthene-d10	14.396	164	1492	0.400	ng	0.00
19) Phenanthrene-d10	17.146	188	3187	0.400	ng	0.00
29) Chrysene-d12	21.347	240	2052	0.400	ng	# 0.00
35) Perylene-d12	23.658	264	2182	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.384	112	731	0.286	ng	0.00
5) Phenol-d6	6.973	99	706	0.231	ng	0.00
8) Nitrobenzene-d5	8.939	82	651	0.229	ng	0.00
11) 2-Methylnaphthalene-d10	12.140	152	916	0.185	ng	0.00
14) 2,4,6-Tribromophenol	15.893	330	264	0.160	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	2003	0.259	ng	0.00
27) Fluoranthene-d10	19.181	212	1686	0.168	ng	0.00
31) Terphenyl-d14	19.785	244	1284	0.247	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.333	88	26	0.029	ng	# 54
9) Naphthalene	10.594	128	678	0.092	ng	# 79
12) 2-Methylnaphthalene	12.216	142	520	0.087	ng	96
16) Acenaphthylene	14.118	152	729	0.089	ng	# 96
17) Acenaphthene	14.450	154	981	0.190	ng	98
18) Fluorene	15.444	166	1082	0.132	ng	# 99
25) Phenanthrene	17.184	178	19136	1.799	ng	99
26) Anthracene	17.271	178	5352	0.520	ng	99
28) Fluoranthene	19.209	202	46411	3.173	ng	# 99
30) Pyrene	19.571	202	39515	3.106	ng	# 95
32) Benzo(a)anthracene	21.329	228	20879	2.006	ng	99
33) Chrysene	21.383	228	17696	1.728	ng	96
34) Bis(2-ethylhexyl)phtha...	21.275	149	4269	0.665	ng	# 96
36) Indeno(1,2,3-cd)pyrene	26.026	276	11024	0.991	ng	99
37) Benzo(b)fluoranthene	22.956	252	24497	2.091	ng	94
39) Benzo(a)pyrene	23.556	252	17331	1.788	ng	92
40) Dibenzo(a,h)anthracene	26.044	278	2823	0.329	ng	# 75
41) Benzo(g,h,i)perylene	26.757	276	9981	1.063	ng	# 97

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

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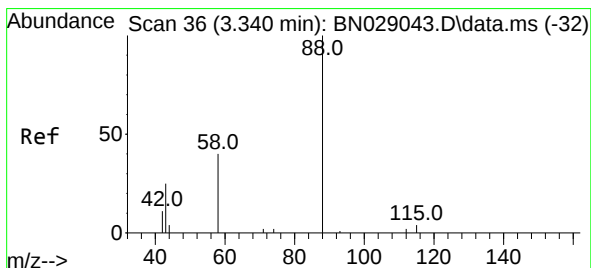
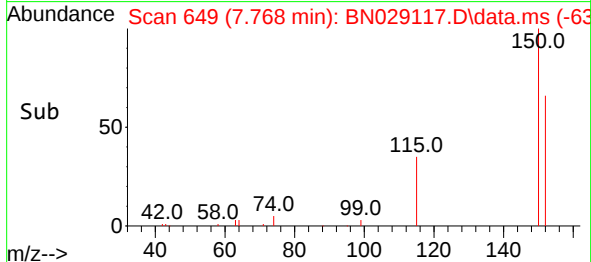
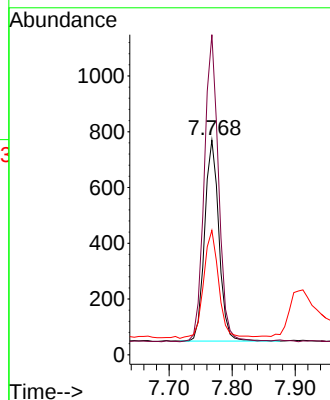
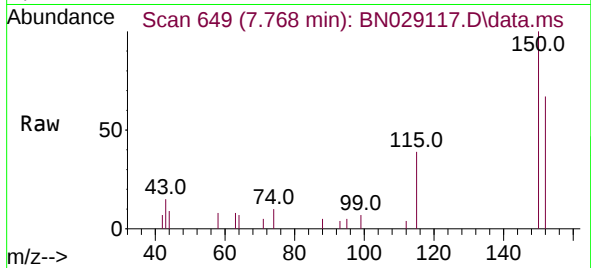




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

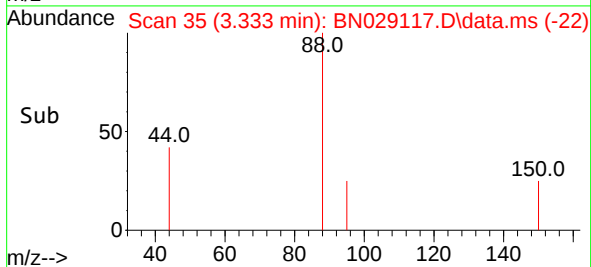
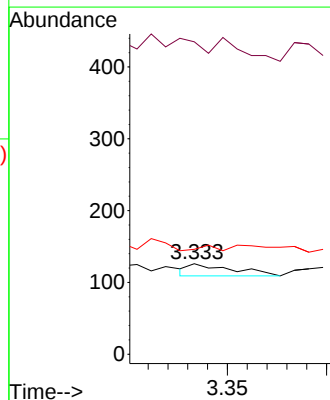
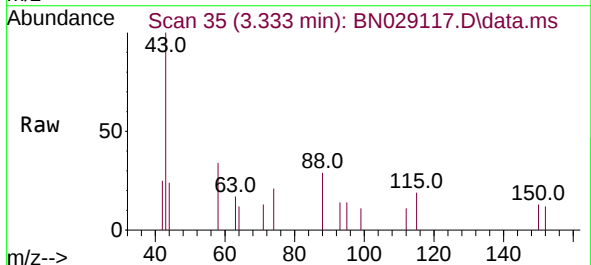
Instrument :
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 PE-4

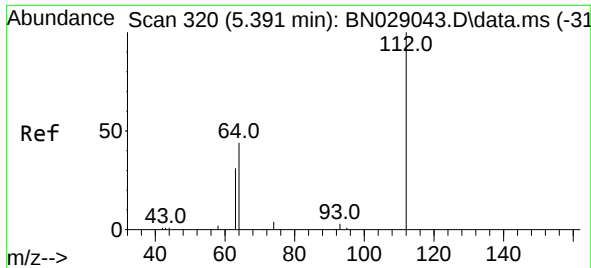
Tgt Ion:152 Resp: 1130
 Ion Ratio Lower Upper
 152 100
 150 149.1 116.2 174.4
 115 57.9 45.1 67.7



#2
 1,4-Dioxane
 Concen: 0.029 ng
 RT: 3.333 min Scan# 35
 Delta R.T. -0.007 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

Tgt Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 0.0 15.6 23.4#
 58 11.5 33.2 49.8#

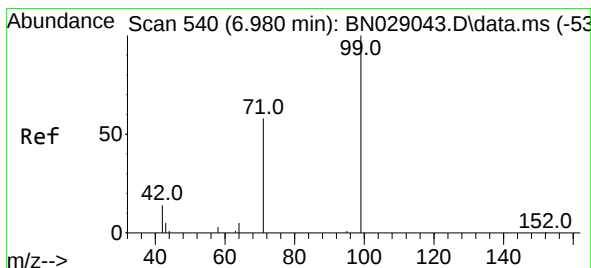
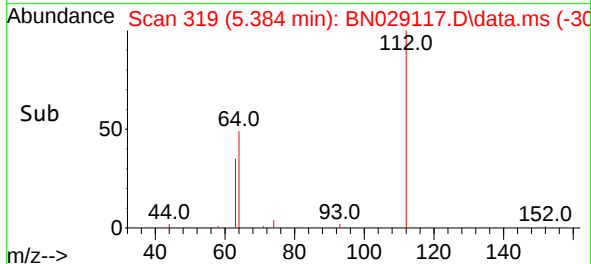
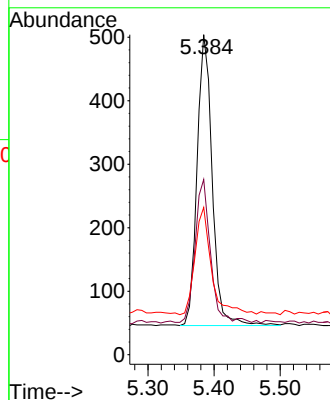
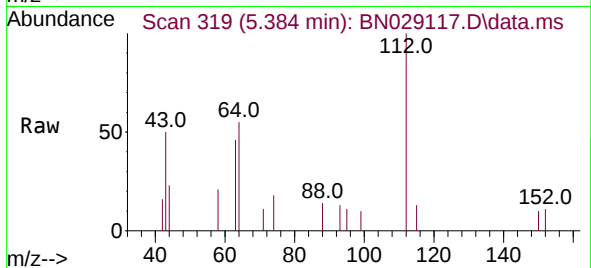




#4
2-Fluorophenol
Concen: 0.286 ng
RT: 5.384 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

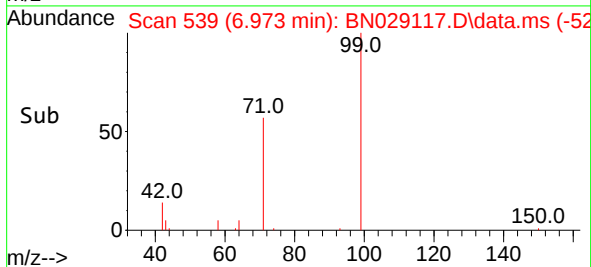
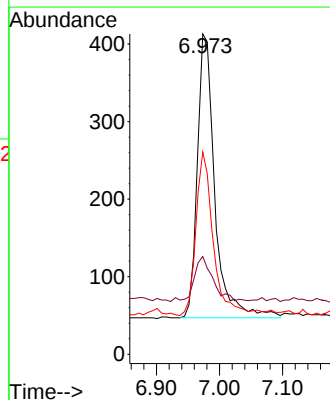
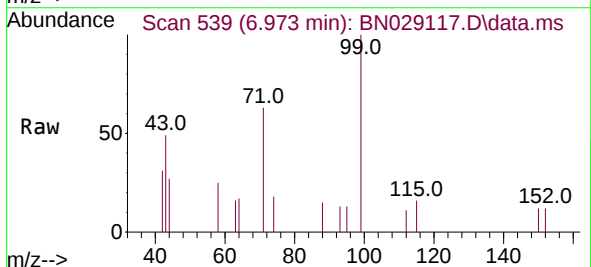
Instrument :
BNA_N
ClientSampleId :
PE-4

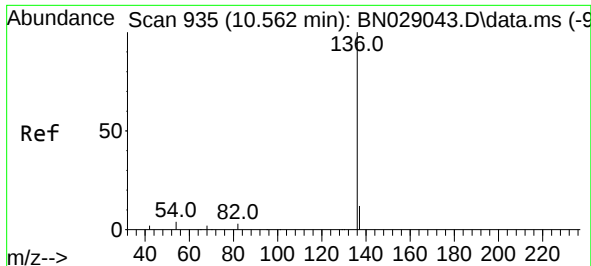
Tgt Ion:	112	Resp:	731
Ion	Ratio	Lower	Upper
112	100		
64	49.4	37.0	55.6
63	40.1	29.0	43.6



#5
Phenol-d6
Concen: 0.231 ng
RT: 6.973 min Scan# 539
Delta R.T. -0.007 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:	99	Resp:	706
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.4	20.2
71	56.5	47.8	71.6

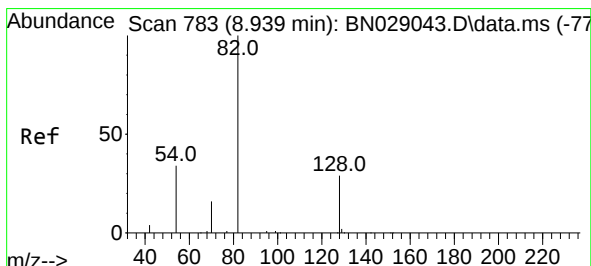
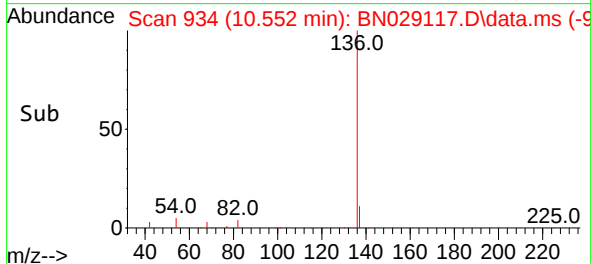
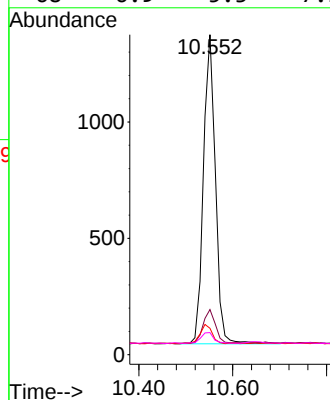
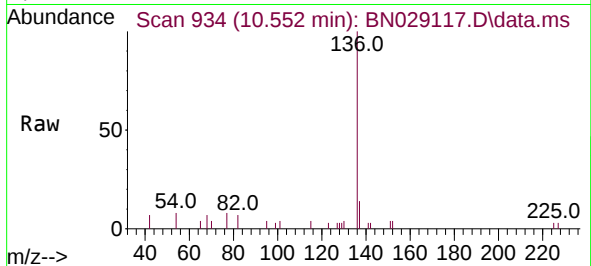




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

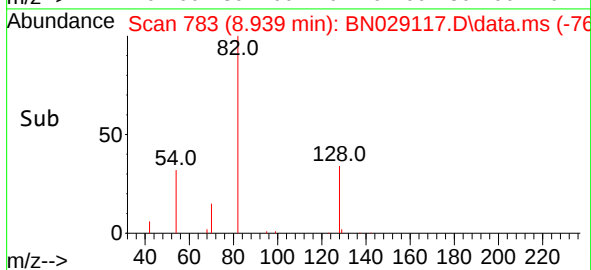
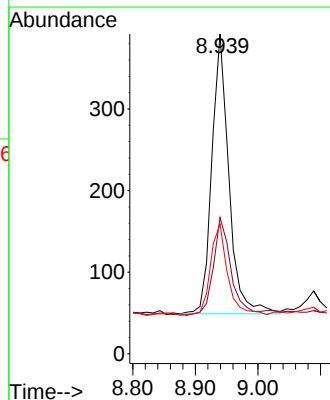
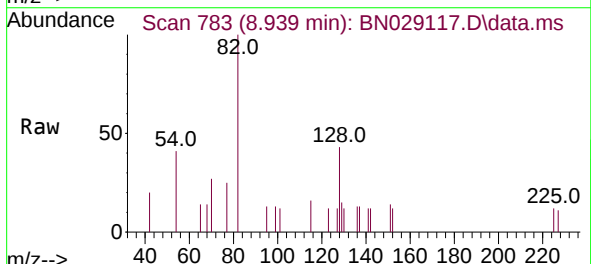
Instrument :
BNA_N
ClientSampleId :
PE-4

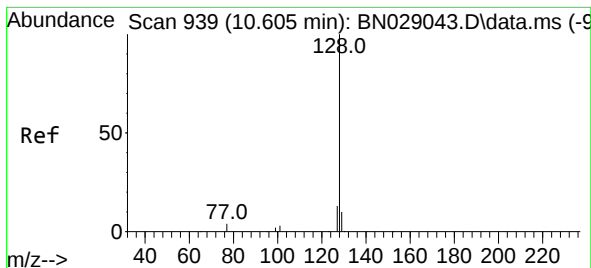
Tgt Ion:	136	Resp:	2352
Ion	Ratio	Lower	Upper
136	100		
137	14.1	11.9	17.9
54	8.3	6.4	9.6
68	6.9	5.3	7.9



#8
Nitrobenzene-d5
Concen: 0.229 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:	82	Resp:	651
Ion	Ratio	Lower	Upper
82	100		
128	42.6	28.2	42.4#
54	40.6	32.1	48.1





#9

Naphthalene

Concen: 0.092 ng

RT: 10.594 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

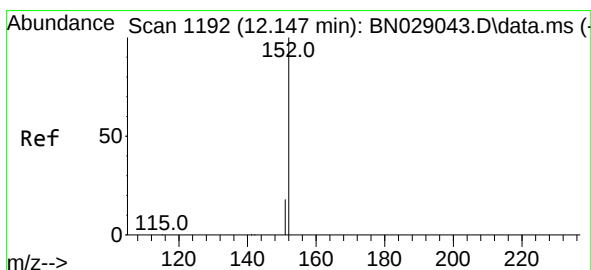
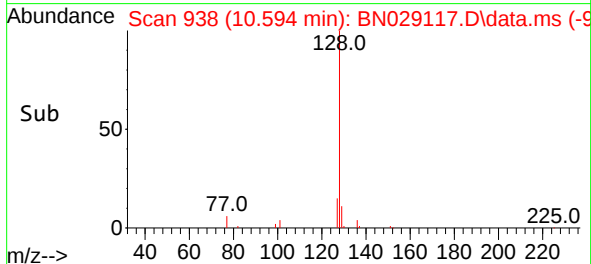
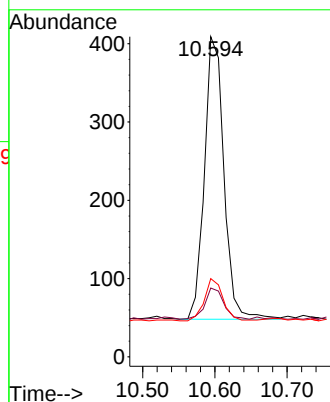
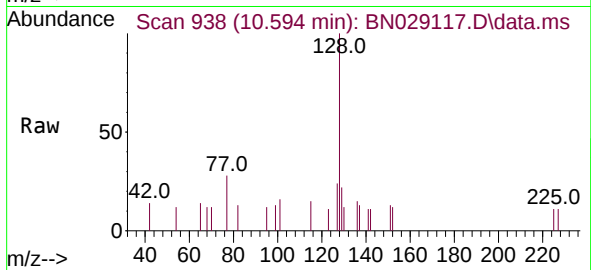
Tgt Ion:128 Resp: 678

Ion Ratio Lower Upper

128 100

129 21.5 10.5 15.7#

127 24.4 12.5 18.7#



#11

2-Methylnaphthalene-d10

Concen: 0.185 ng

RT: 12.140 min Scan# 1190

Delta R.T. -0.007 min

Lab File: BN029117.D

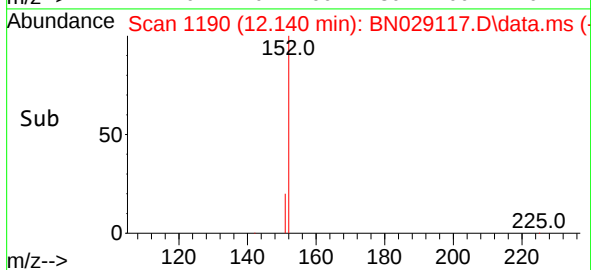
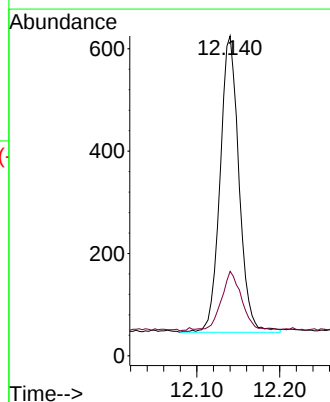
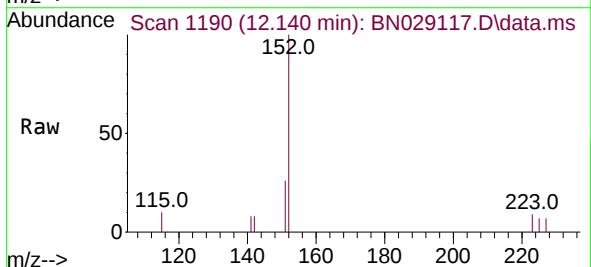
Acq: 08 Dec 2023 08:06

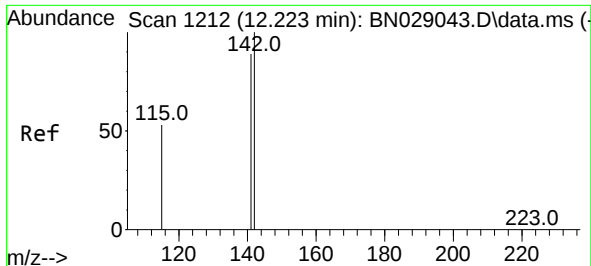
Tgt Ion:152 Resp: 916

Ion Ratio Lower Upper

152 100

151 21.4 17.4 26.0





#12

2-Methylnaphthalene

Concen: 0.087 ng

RT: 12.216 min Scan# 1210

Delta R.T. -0.007 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

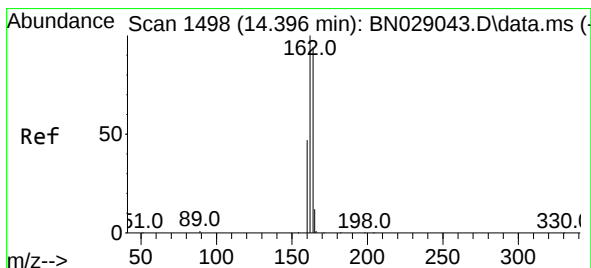
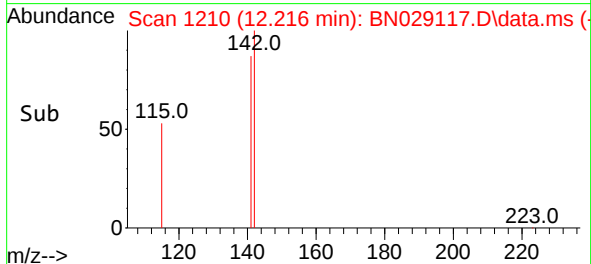
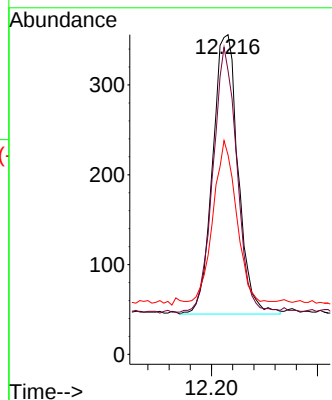
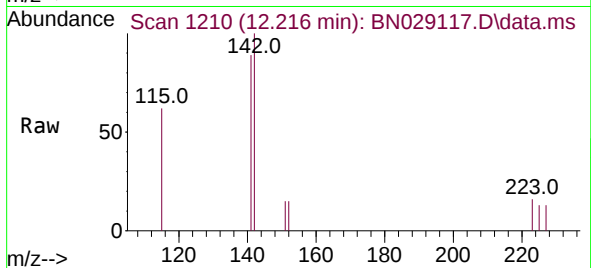
Tgt Ion:142 Resp: 520

Ion Ratio Lower Upper

142 100

141 88.8 71.1 106.7

115 62.4 44.6 66.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.396 min Scan# 1498

Delta R.T. 0.000 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

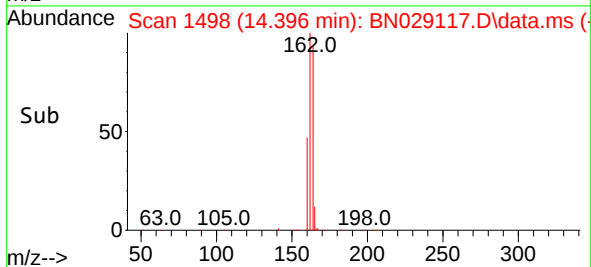
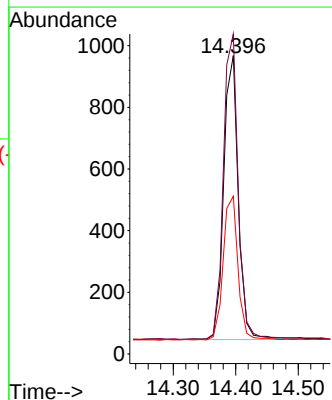
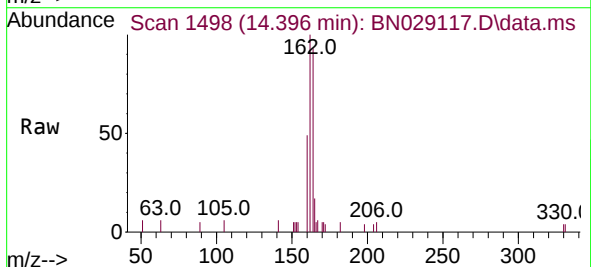
Tgt Ion:164 Resp: 1492

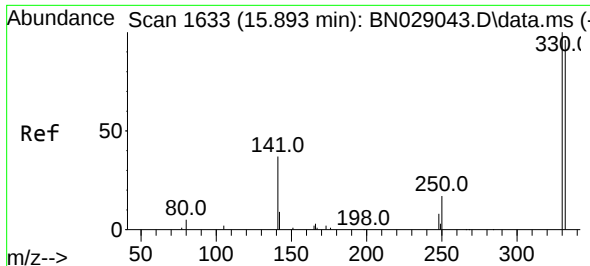
Ion Ratio Lower Upper

164 100

162 107.2 85.0 127.6

160 52.9 41.3 61.9

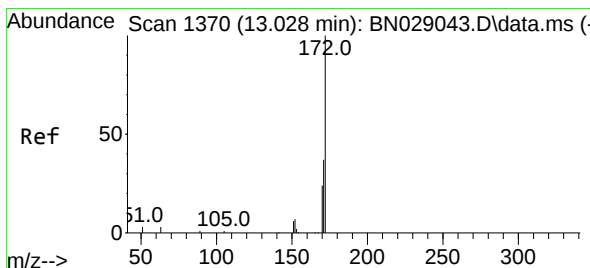
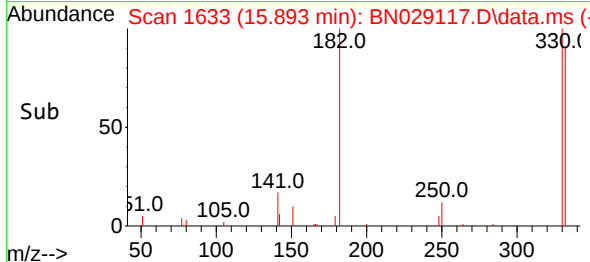
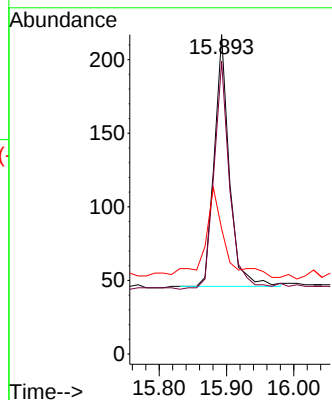
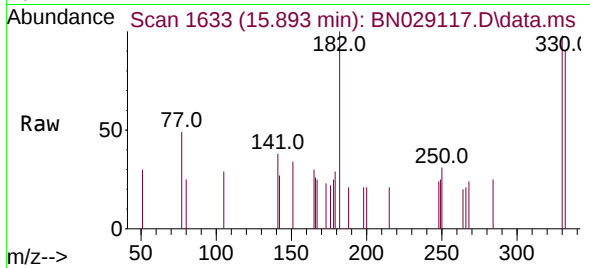




#14
2,4,6-Tribromophenol
Concen: 0.160 ng
RT: 15.893 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

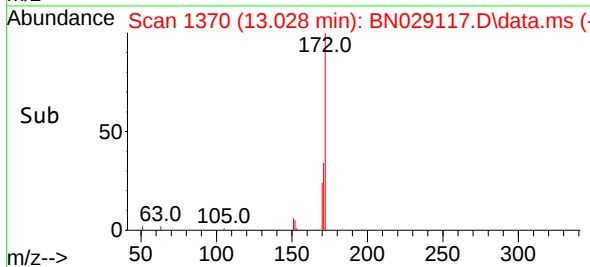
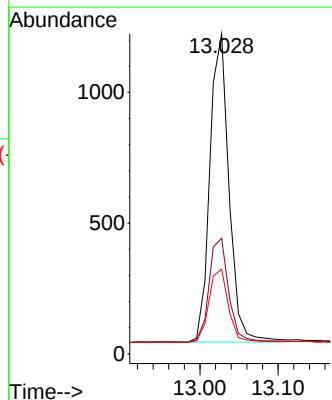
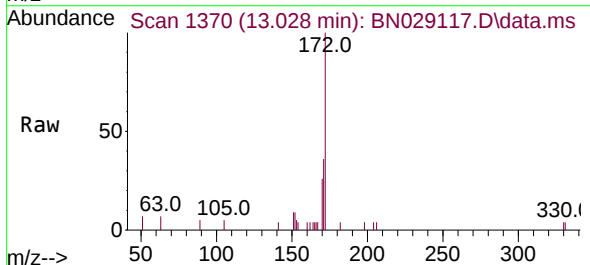
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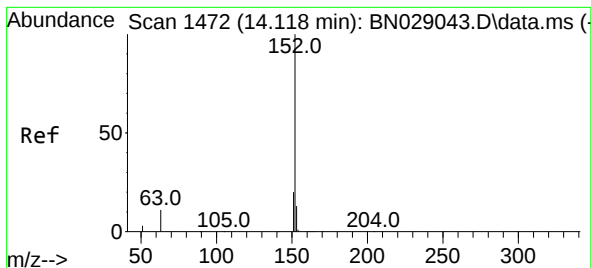
Tgt Ion: 330 Resp: 264
Ion Ratio Lower Upper
330 100
332 95.5 78.8 118.2
141 45.8 28.7 43.1#



#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion: 172 Resp: 2003
Ion Ratio Lower Upper
172 100
171 36.1 30.1 45.1
170 26.5 20.3 30.5





#16

Acenaphthylene

Concen: 0.089 ng

RT: 14.118 min Scan# 1472

Delta R.T. 0.000 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

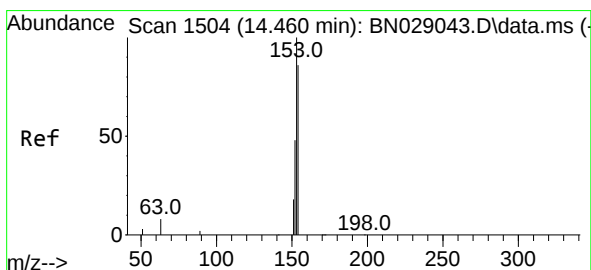
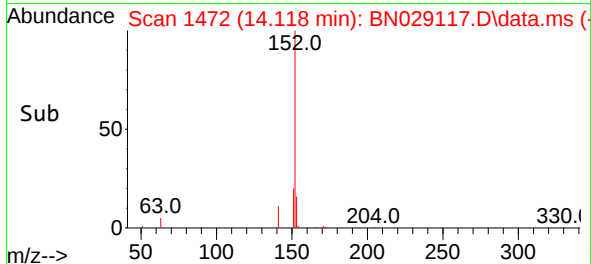
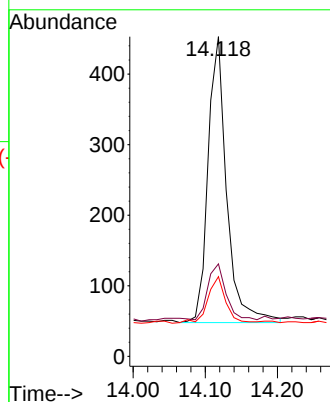
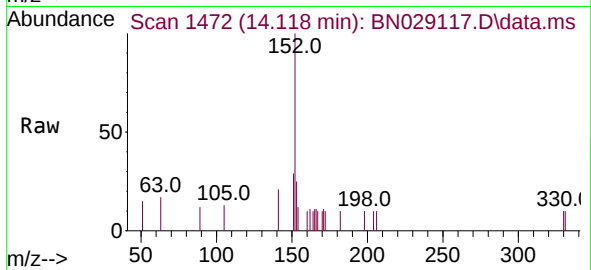
Tgt Ion:152 Resp: 729

Ion Ratio Lower Upper

152 100

151 19.1 15.8 23.6

153 15.6 10.3 15.5#



#17

Acenaphthene

Concen: 0.190 ng

RT: 14.450 min Scan# 1503

Delta R.T. -0.011 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

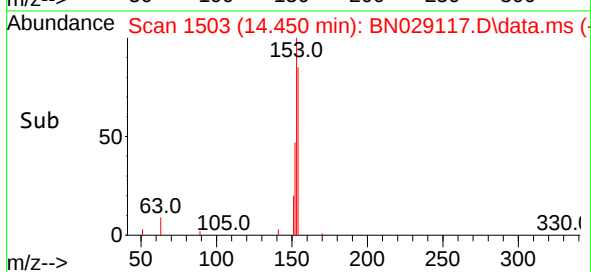
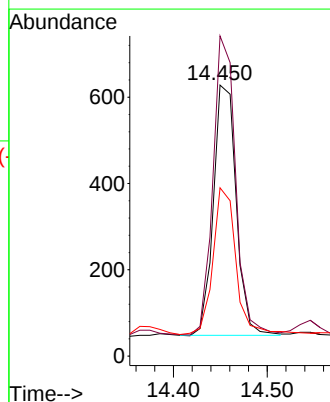
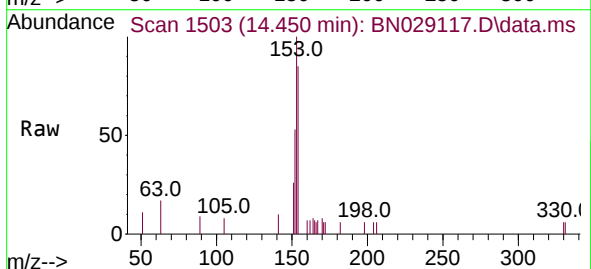
Tgt Ion:154 Resp: 981

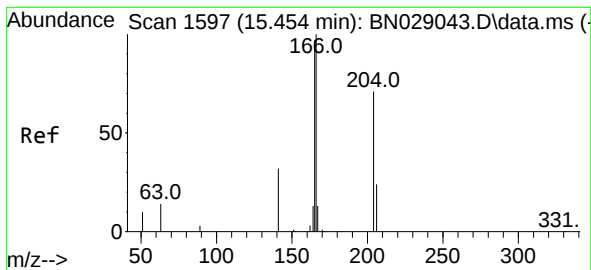
Ion Ratio Lower Upper

154 100

153 117.3 93.0 139.6

152 59.3 44.2 66.4





#18

Fluorene

Concen: 0.132 ng

RT: 15.444 min Scan# 1596

Delta R.T. -0.011 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

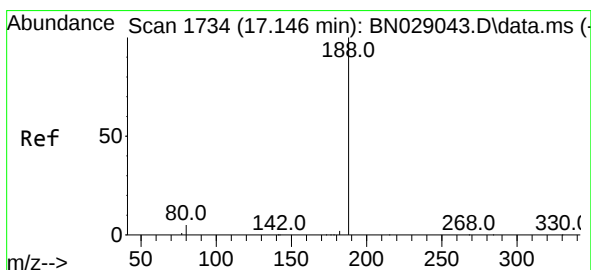
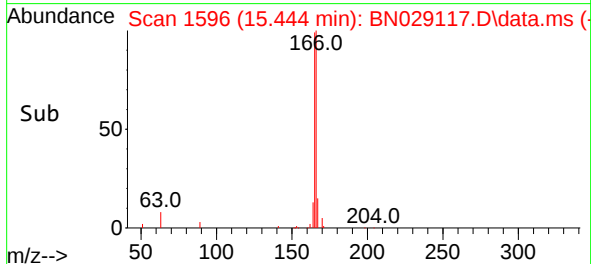
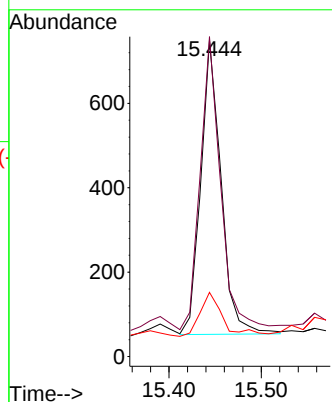
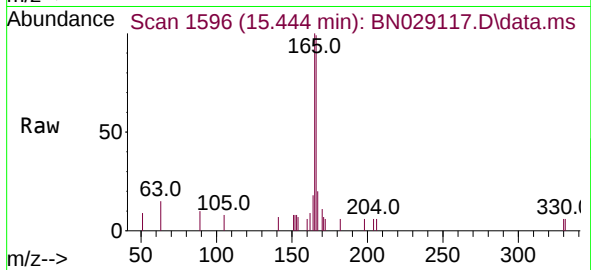
Tgt Ion:166 Resp: 1082

Ion Ratio Lower Upper

166 100

165 100.0 80.2 120.4

167 16.7 11.0 16.4#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.146 min Scan# 1734

Delta R.T. 0.000 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

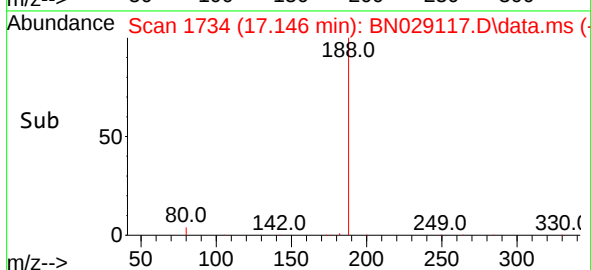
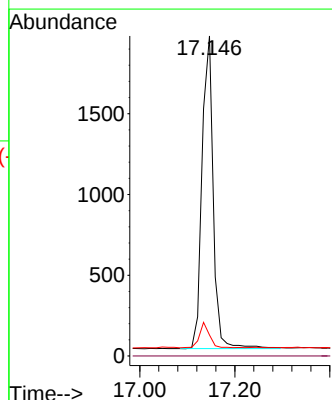
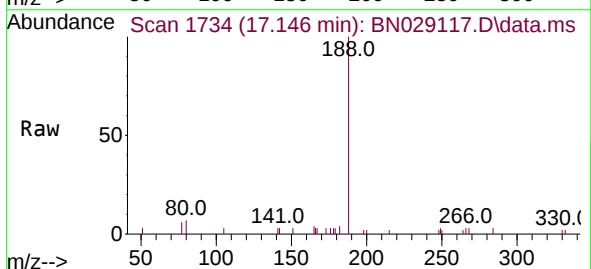
Tgt Ion:188 Resp: 3187

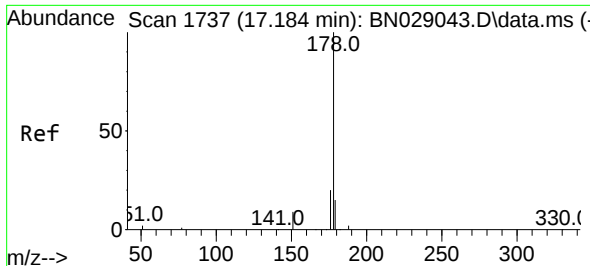
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.6 5.4 8.0

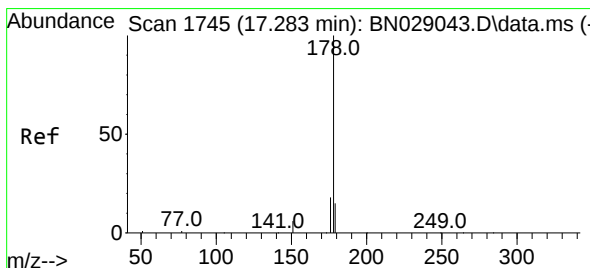
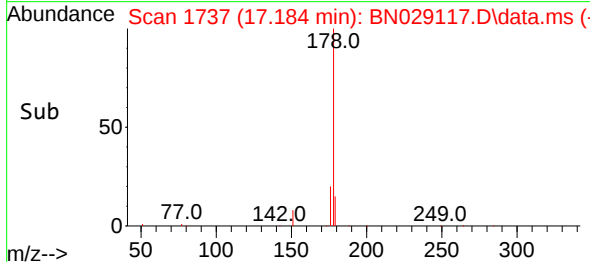
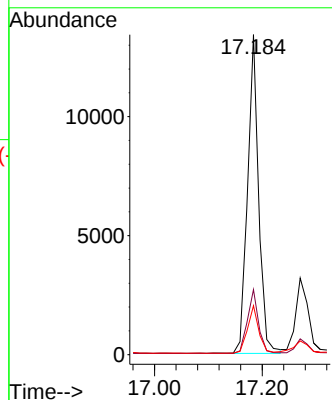
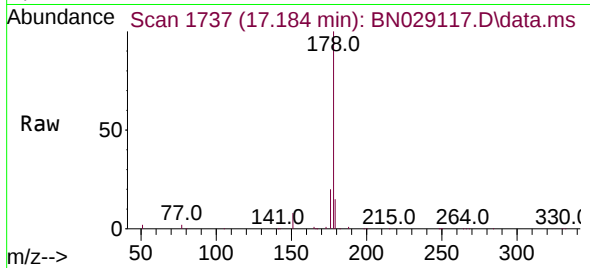




#25
Phenanthrene
Concen: 1.799 ng
RT: 17.184 min Scan# 1737
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

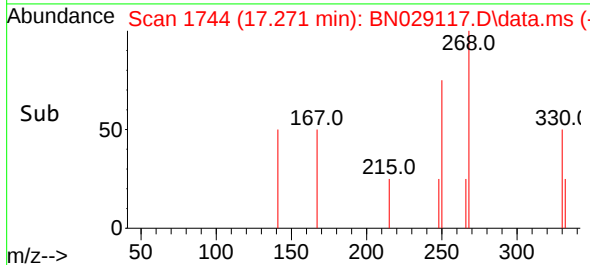
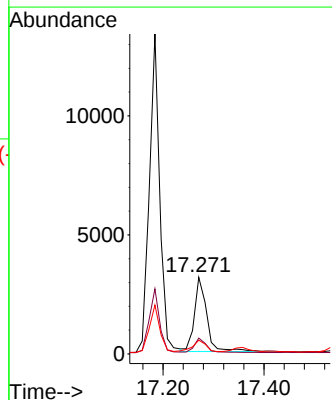
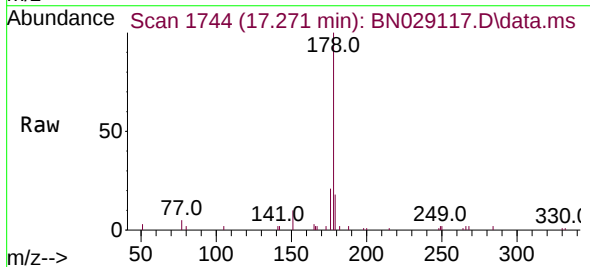
Instrument :
BNA_N
ClientSampleId :
PE-4

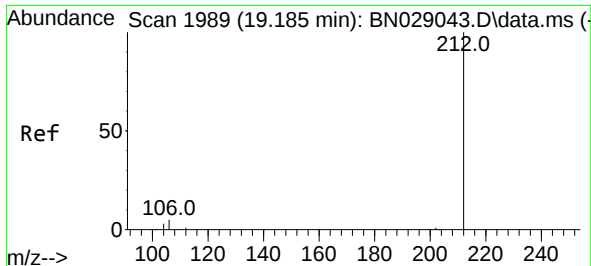
Tgt Ion:178 Resp: 19136
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 15.2 12.6 18.8



#26
Anthracene
Concen: 0.520 ng
RT: 17.271 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:178 Resp: 5352
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.6 12.6 19.0

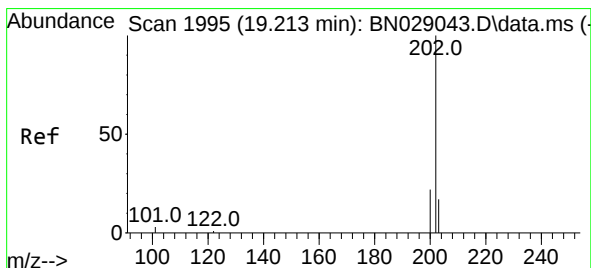
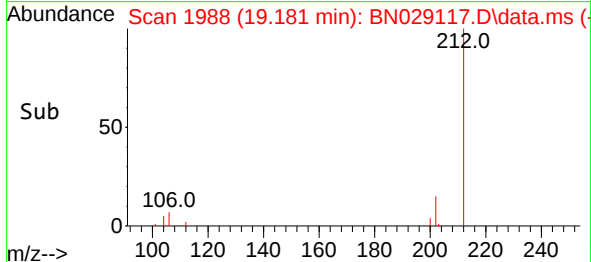
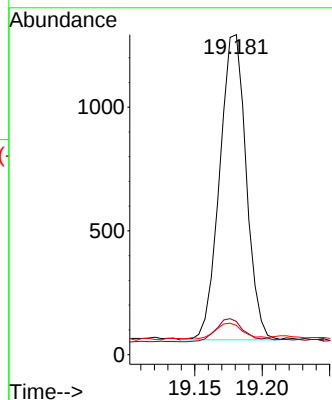
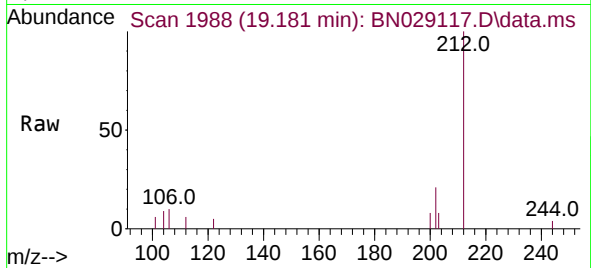




#27
Fluoranthene-d10
Concen: 0.168 ng
RT: 19.181 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

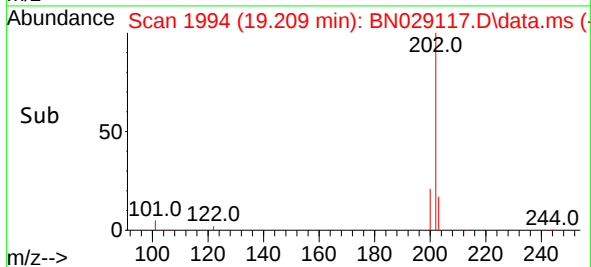
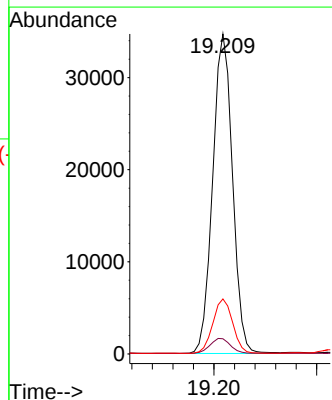
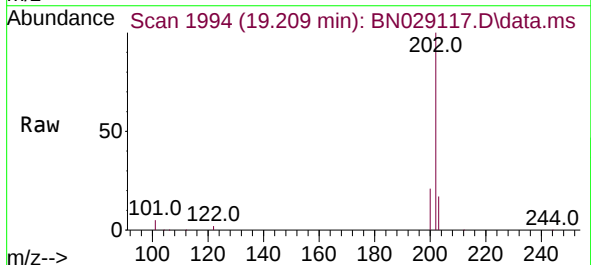
Instrument :
BNA_N
ClientSampleId :
PE-4

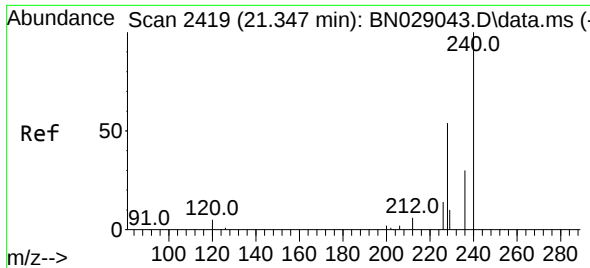
Tgt Ion:212 Resp: 1686
Ion Ratio Lower Upper
212 100
106 8.7 3.9 5.9#
104 6.6 2.6 3.8#



#28
Fluoranthene
Concen: 3.173 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:202 Resp: 46411
Ion Ratio Lower Upper
202 100
101 4.9 3.0 4.6#
203 17.1 13.8 20.6

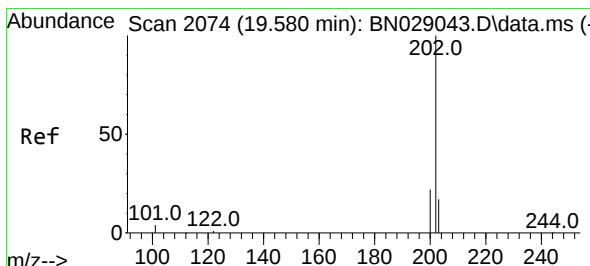
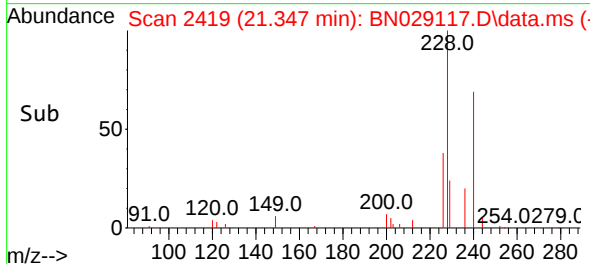
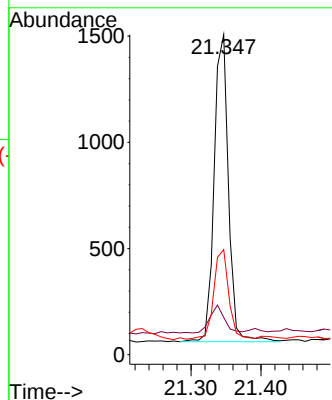
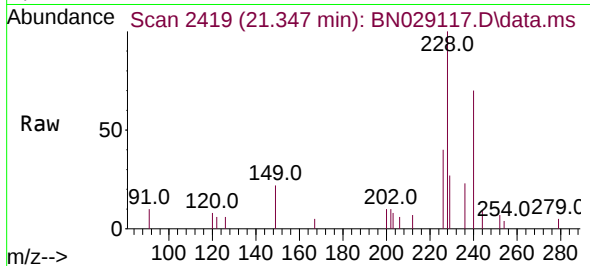




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.347 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

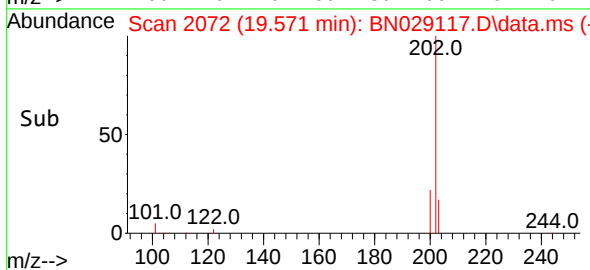
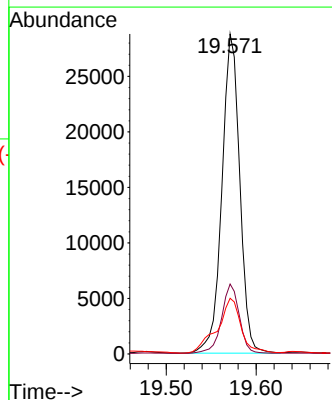
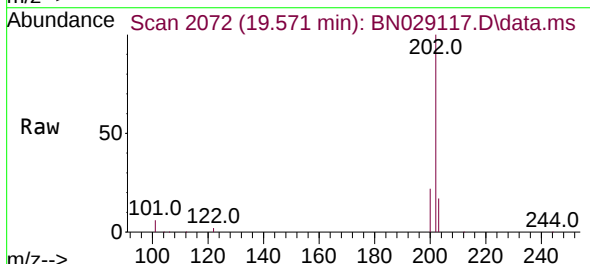
Instrument :
BNA_N
ClientSampleId :
PE-4

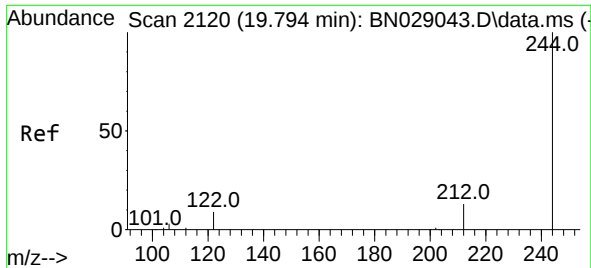
Tgt Ion:240 Resp: 2052
Ion Ratio Lower Upper
240 100
120 11.7 6.7 10.1#
236 32.8 25.7 38.5



#30
Pyrene
Concen: 3.106 ng
RT: 19.571 min Scan# 2072
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:202 Resp: 39515
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 22.8 14.2 21.4#

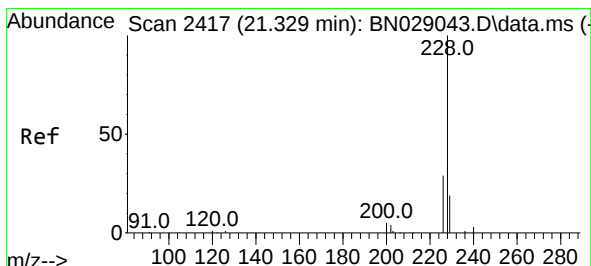
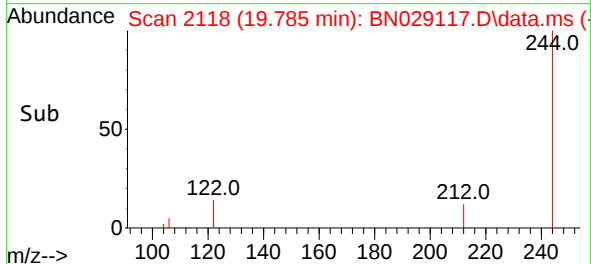
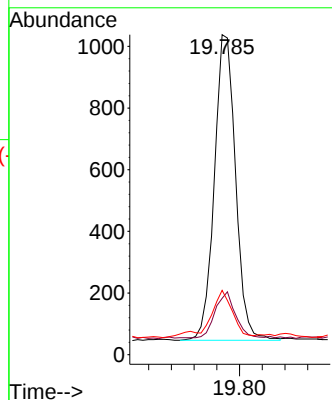
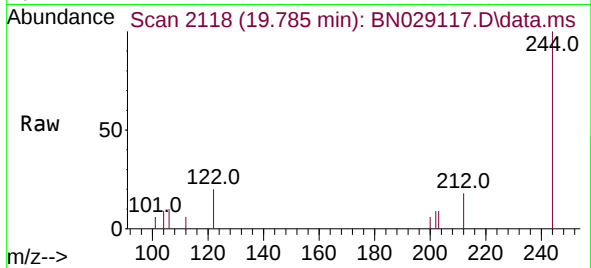




#31
 Terphenyl-d14
 Concen: 0.247 ng
 RT: 19.785 min Scan# 2118
 Delta R.T. -0.009 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

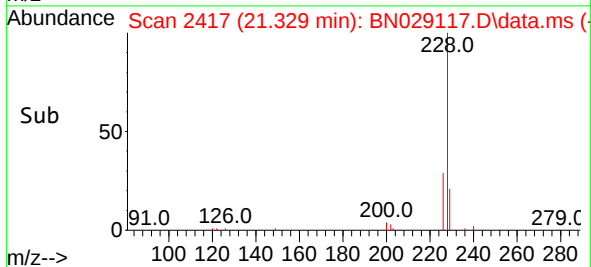
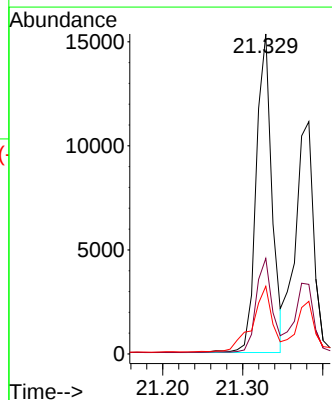
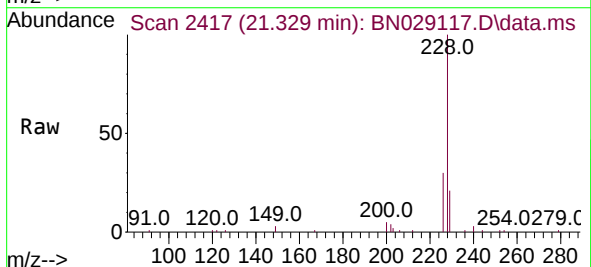
Instrument :
 BNA_N
 ClientSampleId :
 PE-4

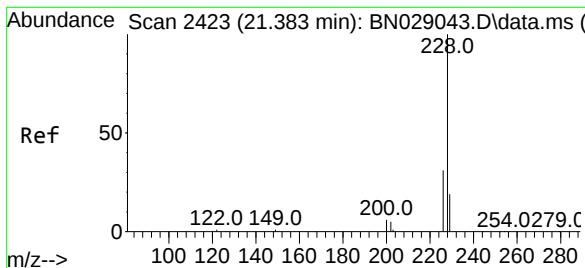
Tgt Ion:244 Resp: 1284
 Ion Ratio Lower Upper
 244 100
 212 17.6 11.6 17.4#
 122 20.1 8.2 12.4#



#32
 Benzo(a)anthracene
 Concen: 2.006 ng
 RT: 21.329 min Scan# 2417
 Delta R.T. 0.000 min
 Lab File: BN029117.D
 Acq: 08 Dec 2023 08:06

Tgt Ion:228 Resp: 20879
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.8 35.6
 229 21.2 16.0 24.0





#33

Chrysene

Concen: 1.728 ng

RT: 21.383 min Scan# 2423

Delta R.T. 0.000 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

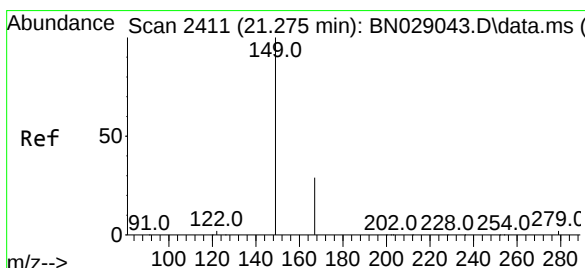
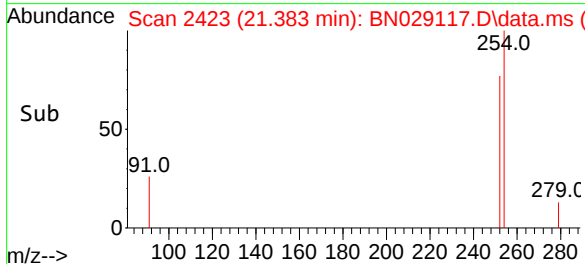
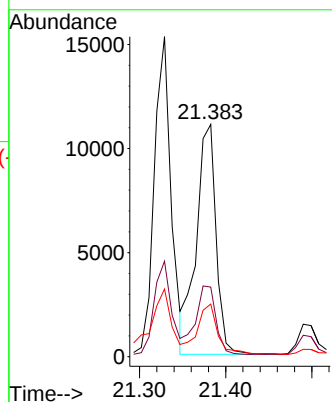
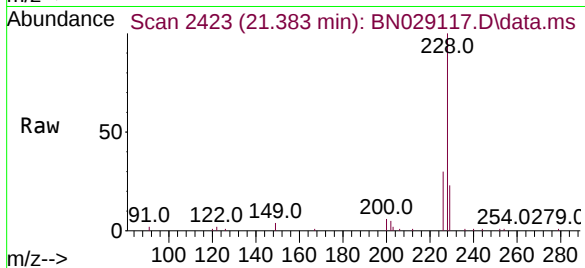
Tgt Ion:228 Resp: 17696

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

229 22.7 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.665 ng

RT: 21.275 min Scan# 2411

Delta R.T. 0.000 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

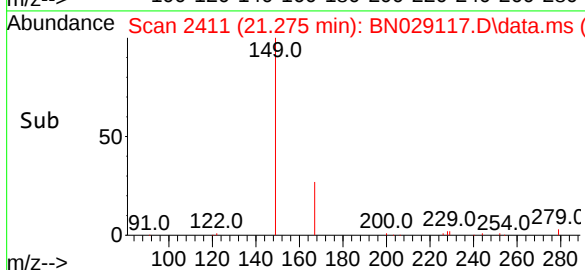
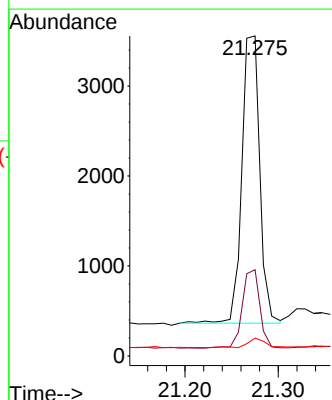
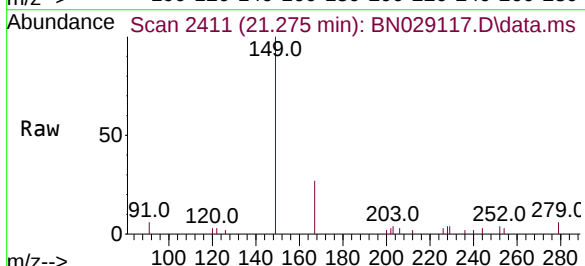
Tgt Ion:149 Resp: 4269

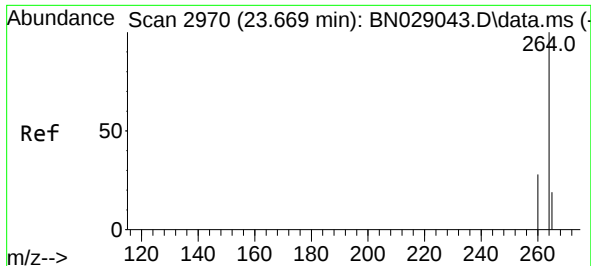
Ion Ratio Lower Upper

149 100

167 26.8 23.4 35.2

279 3.3 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: BN029117.D

Acq: 08 Dec 2023 08:06

Instrument :

BNA_N

ClientSampleId :

PE-4

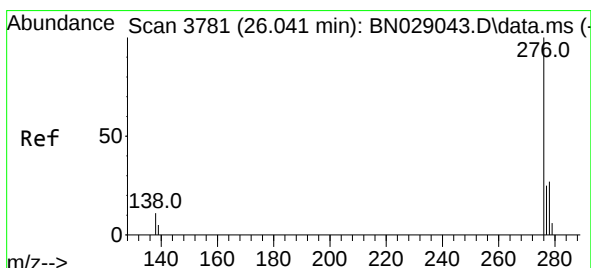
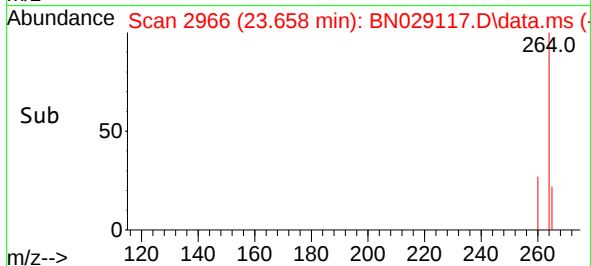
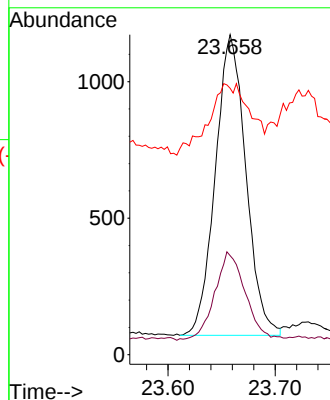
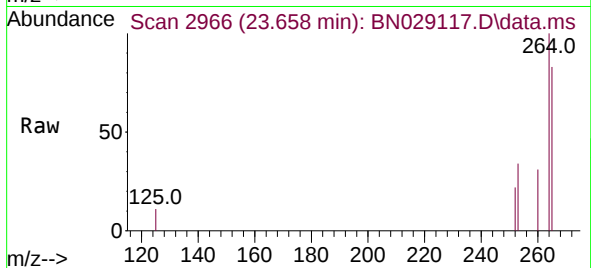
Tgt Ion:264 Resp: 2182

Ion Ratio Lower Upper

264 100

260 31.0 23.9 35.9

265 83.3 52.7 79.1#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.991 ng

RT: 26.026 min Scan# 3776

Delta R.T. -0.015 min

Lab File: BN029117.D

Acq: 08 Dec 2023 08:06

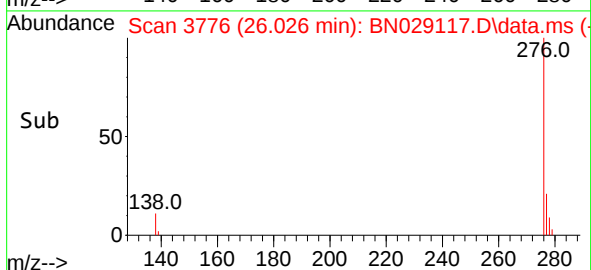
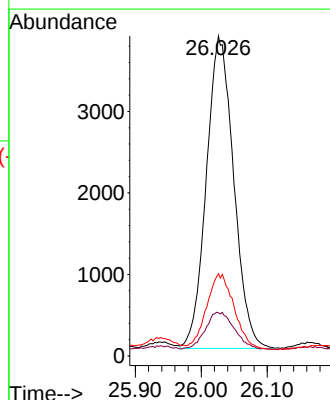
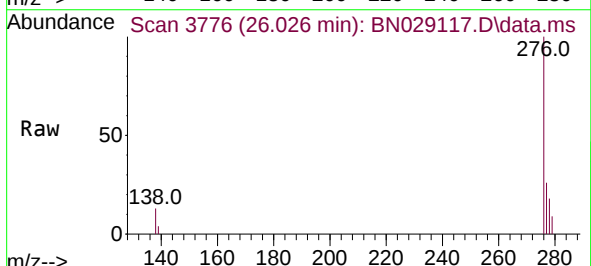
Tgt Ion:276 Resp: 11024

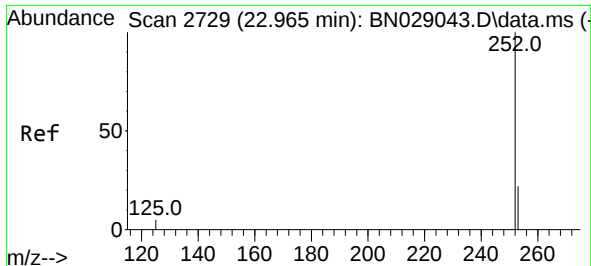
Ion Ratio Lower Upper

276 100

138 12.2 9.6 14.4

277 24.6 19.4 29.0

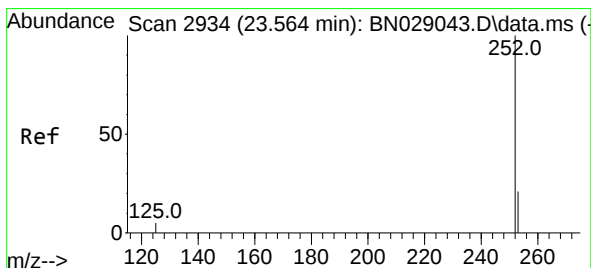
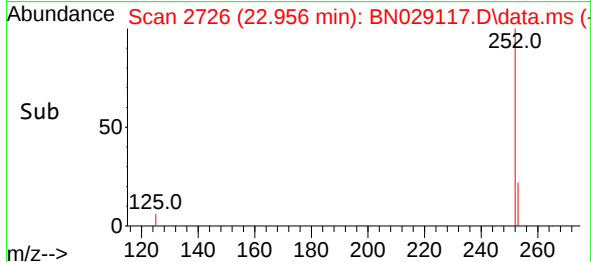
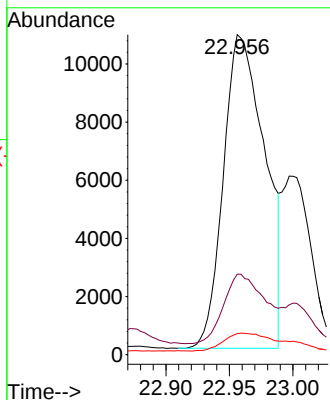
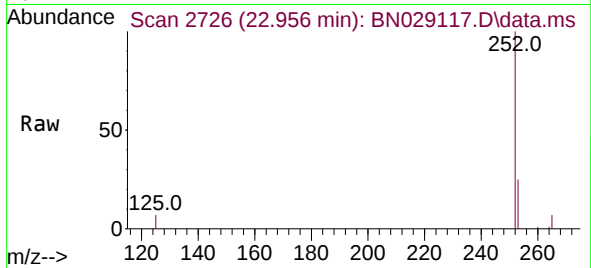




#37
Benzo(b)fluoranthene
Concen: 2.091 ng
RT: 22.956 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

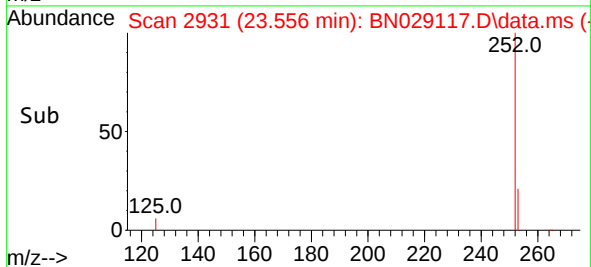
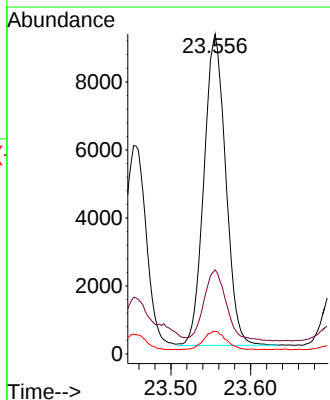
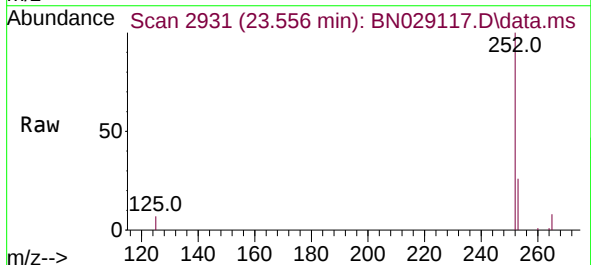
Instrument :
BNA_N
ClientSampleId :
PE-4

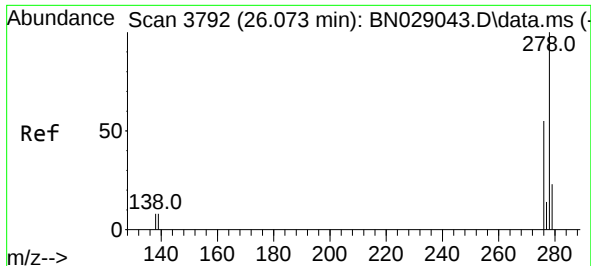
Tgt Ion:252 Resp: 24497
Ion Ratio Lower Upper
252 100
253 25.2 23.0 34.6
125 6.6 5.4 8.0



#39
Benzo(a)pyrene
Concen: 1.788 ng
RT: 23.556 min Scan# 2931
Delta R.T. -0.009 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:252 Resp: 17331
Ion Ratio Lower Upper
252 100
253 26.2 25.3 37.9
125 7.0 6.5 9.7

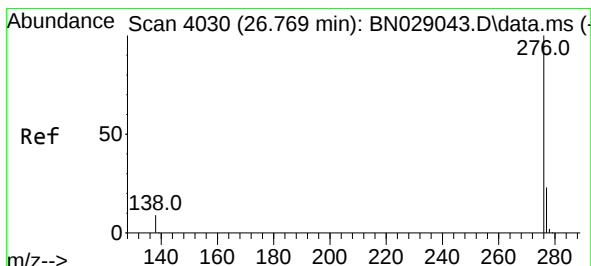
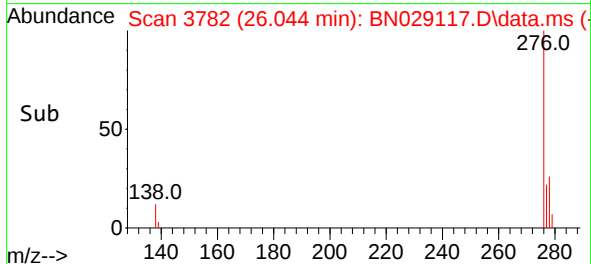
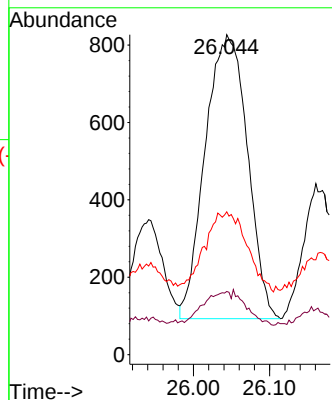
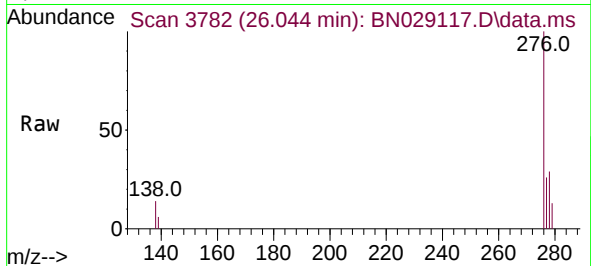




#40
Dibenzo(a,h)anthracene
Concen: 0.329 ng
RT: 26.044 min Scan# 31
Delta R.T. -0.029 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Instrument :
BNA_N
ClientSampleId :
PE-4

Tgt Ion:278 Resp: 2823
Ion Ratio Lower Upper
278 100
139 19.7 9.4 14.2#
279 44.6 24.2 36.4#



#41
Benzo(g,h,i)perylene
Concen: 1.063 ng
RT: 26.757 min Scan# 4026
Delta R.T. -0.012 min
Lab File: BN029117.D
Acq: 08 Dec 2023 08:06

Tgt Ion:276 Resp: 9981
Ion Ratio Lower Upper
276 100
277 24.9 20.3 30.5
138 14.9 9.2 13.8#

