

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120723\
 Data File : BN029121.D
 Acq On : 08 Dec 2023 10:30
 Operator : MA/JU
 Sample : 05366-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

Quant Time: Dec 08 11:37:46 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)

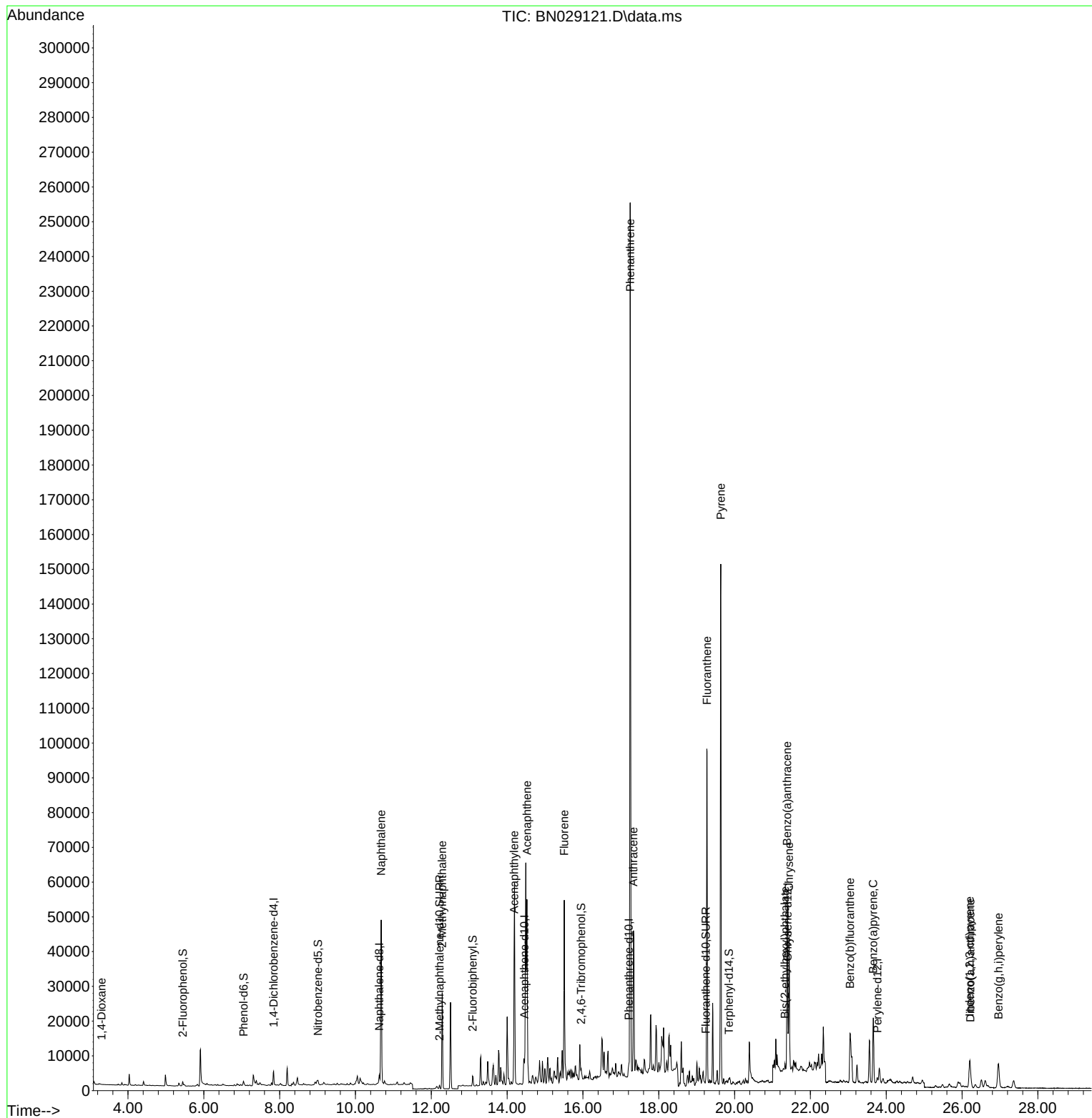
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	1788	0.400	ng	0.06
7) Naphthalene-d8	10.626	136	3624	0.400	ng	0.06
13) Acenaphthene-d10	14.460	164	3435	0.400	ng	0.06
19) Phenanthrene-d10	17.208	188	4711	0.400	ng	# 0.06
29) Chrysene-d12	21.401	240	2199	0.400	ng	# 0.05
35) Perylene-d12	23.766	264	2122	0.400	ng	# 0.10
System Monitoring Compounds						
4) 2-Fluorophenol	5.442	112	930	0.230	ng	0.05
5) Phenol-d6	7.045	99	1056	0.218	ng	0.07
8) Nitrobenzene-d5	9.014	82	883	0.202	ng	0.07
11) 2-Methylnaphthalene-d10	12.216	152	1345	0.177	ng	0.07
14) 2,4,6-Tribromophenol	15.955	330	370	0.098	ng	0.06
15) 2-Fluorobiphenyl	13.092	172	2398	0.135	ng	0.06
27) Fluoranthene-d10	19.241	212	2123	0.143	ng	0.06
31) Terphenyl-d14	19.850	244	1118	0.201	ng	0.06
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	36	0.025	ng	# 41
9) Naphthalene	10.680	128	56682	5.014	ng	95
12) 2-Methylnaphthalene	12.287	142	17731	1.929	ng	99
16) Acenaphthylene	14.182	152	18438	0.975	ng	# 86
17) Acenaphthene	14.524	154	26165	2.206	ng	95
18) Fluorene	15.508	166	31066	1.642	ng	95
25) Phenanthrene	17.246	178	244484	15.546	ng	99
26) Anthracene	17.333	178	48193	3.170	ng	98
28) Fluoranthene	19.269	202	88944	4.114	ng	# 98
30) Pyrene	19.636	202	135395	9.932	ng	98
32) Benzo(a)anthracene	21.383	228	37859	3.394	ng	95
33) Chrysene	21.436	228	33338	3.038	ng	99
34) Bis(2-ethylhexyl)phtha...	21.329	149	1732	0.252	ng	96
36) Indeno(1,2,3-cd)pyrene	26.201	276	14569	1.346	ng	98
37) Benzo(b)fluoranthene	23.047	252	37060	3.253	ng	# 94
39) Benzo(a)pyrene	23.658	252	28959	3.072	ng	# 90
40) Dibenzo(a,h)anthracene	26.219	278	4223	0.506	ng	# 78
41) Benzo(g,h,i)perylene	26.962	276	16873	1.848	ng	# 96

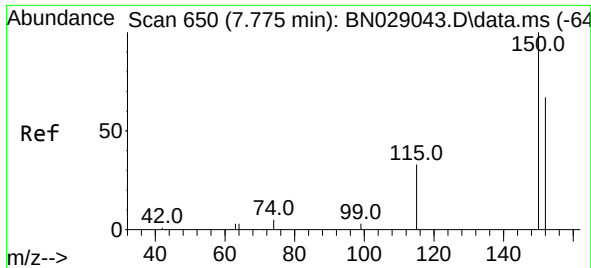
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 00:49:47 2023
Response via : Initial Calibration

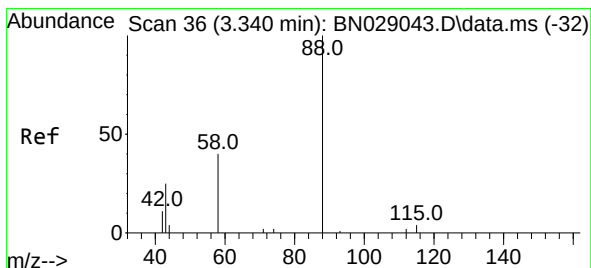
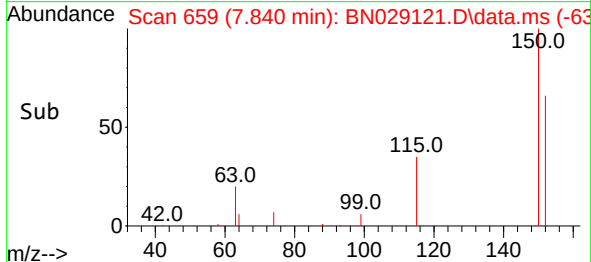
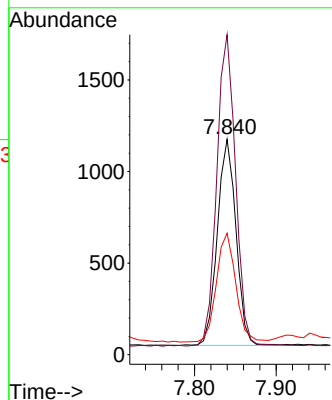
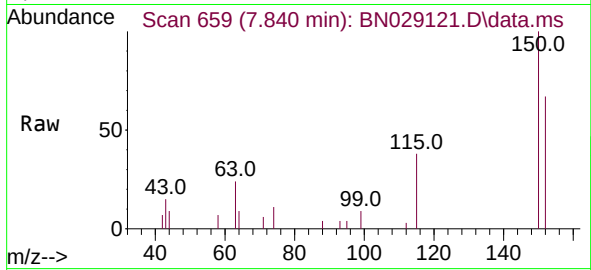




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.840 min Scan# 61
 Delta R.T. 0.065 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

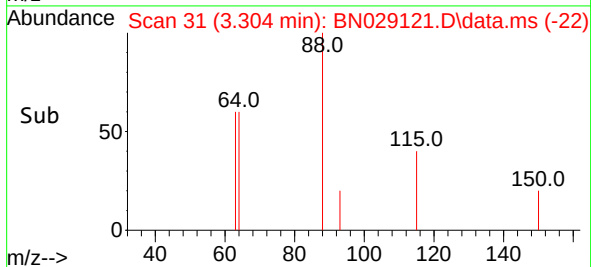
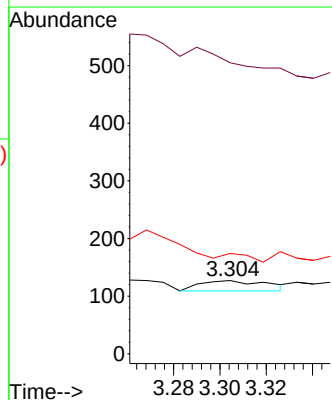
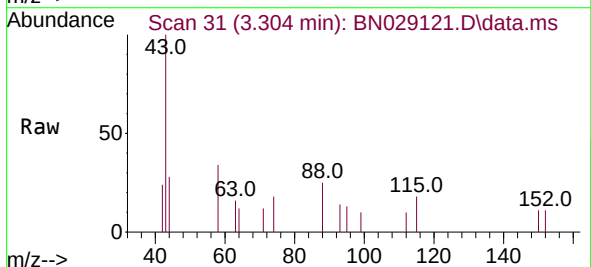
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

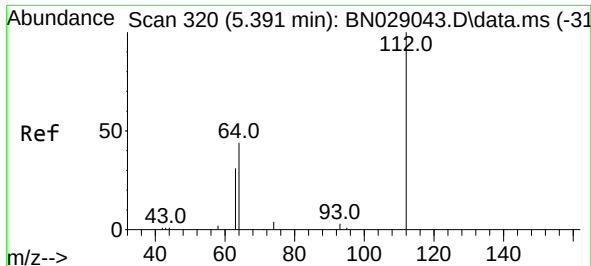
Tgt Ion:152 Resp: 1788
 Ion Ratio Lower Upper
 152 100
 150 148.6 116.2 174.4
 115 56.4 45.1 67.7



#2
 1,4-Dioxane
 Concen: 0.025 ng
 RT: 3.304 min Scan# 31
 Delta R.T. -0.036 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Tgt Ion: 88 Resp: 36
 Ion Ratio Lower Upper
 88 100
 43 0.0 15.6 23.4#
 58 0.0 33.2 49.8#





#4

2-Fluorophenol

Concen: 0.230 ng

RT: 5.442 min Scan# 31

Delta R.T. 0.051 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

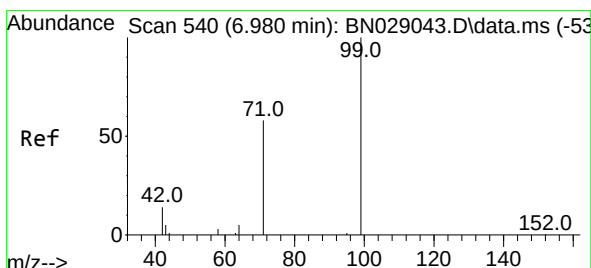
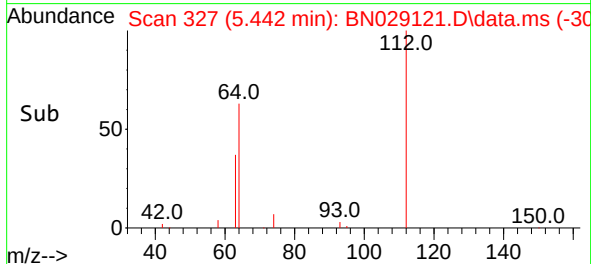
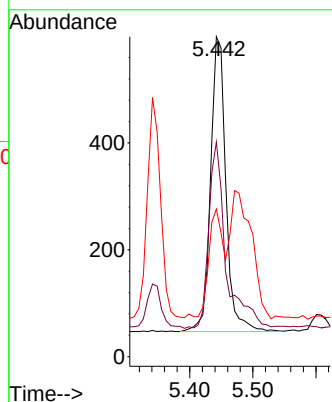
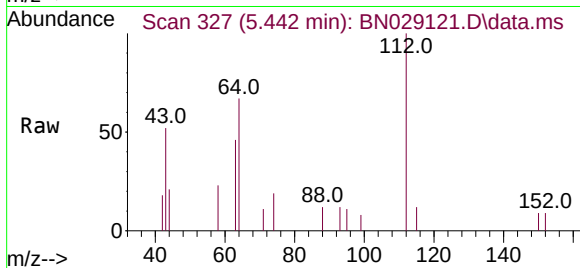
Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

Tgt Ion:	112	Resp:	930
Ion	Ratio	Lower	Upper
112	100		
64	71.3	37.0	55.6#
63	35.4	29.0	43.6



#5

Phenol-d6

Concen: 0.218 ng

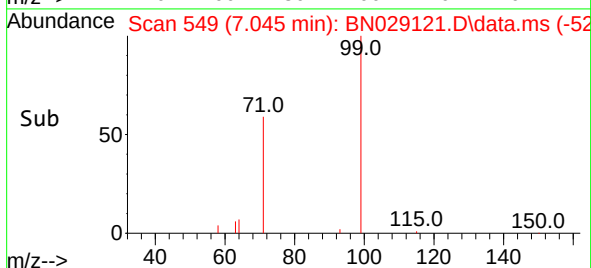
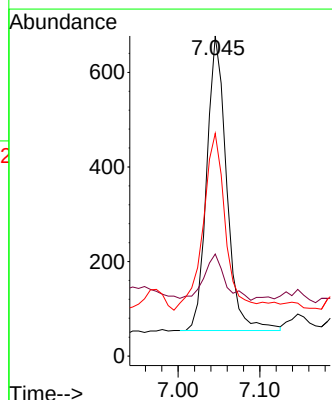
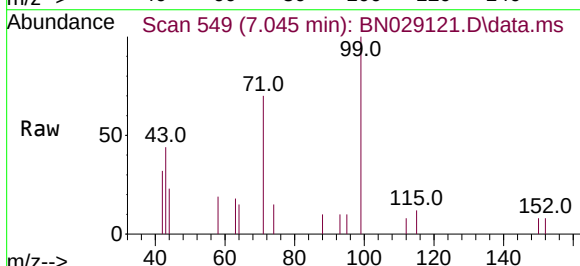
RT: 7.045 min Scan# 549

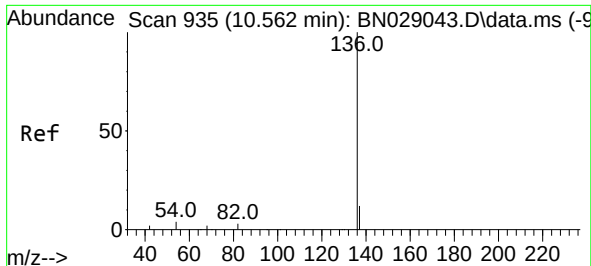
Delta R.T. 0.065 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Tgt Ion:	99	Resp:	1056
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	66.7	47.8	71.6

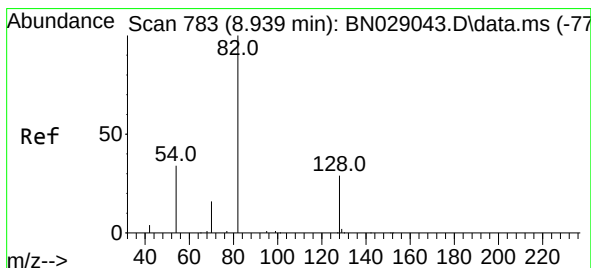
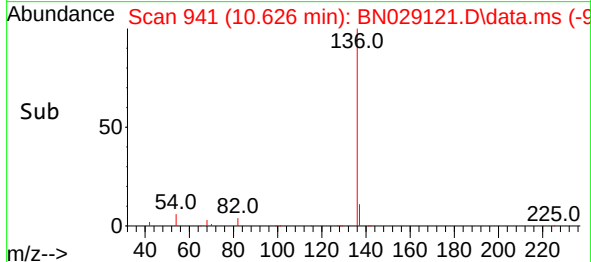
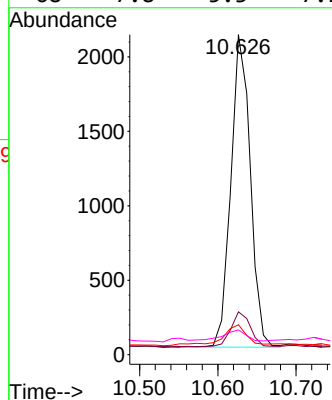
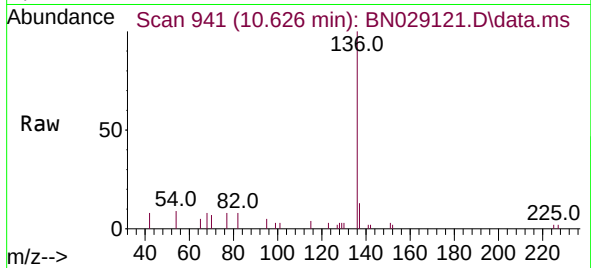




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 94
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

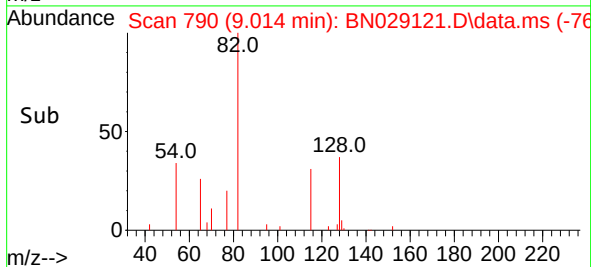
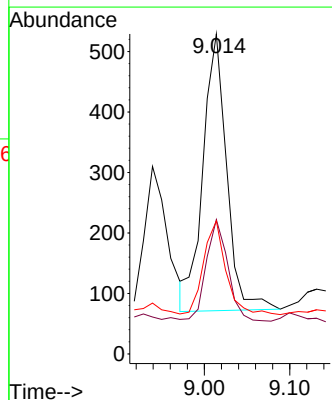
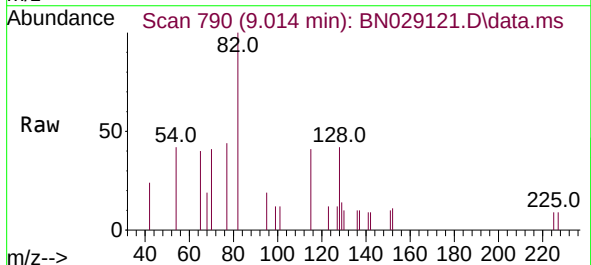
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

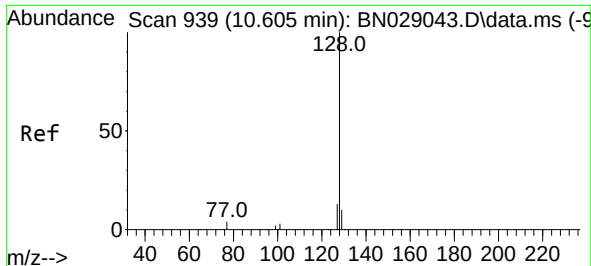
Tgt Ion:136	Resp:	3624	
Ion	Ratio	Lower	Upper
136	100		
137	13.4	11.9	17.9
54	9.4	6.4	9.6
68	7.8	5.3	7.9



#8
Nitrobenzene-d5
Concen: 0.202 ng
RT: 9.014 min Scan# 790
Delta R.T. 0.075 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion: 82	Resp: 883
Ion Ratio	Lower Upper
82 100	
128 42.0	28.2 42.4
54 41.6	32.1 48.1

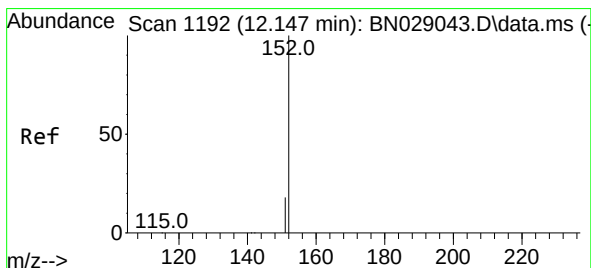
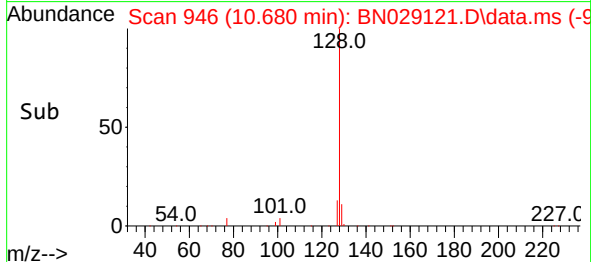
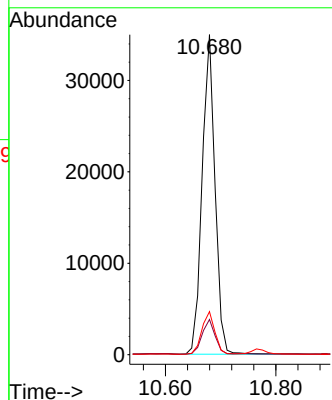
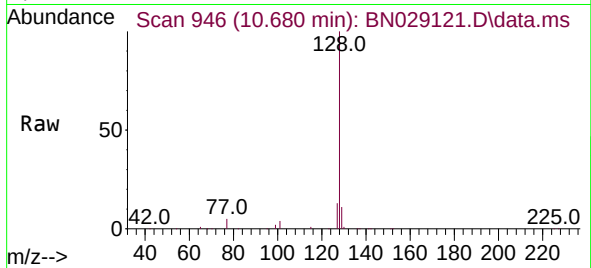




#9
Naphthalene
Concen: 5.014 ng
RT: 10.680 min Scan# 946
Delta R.T. 0.075 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

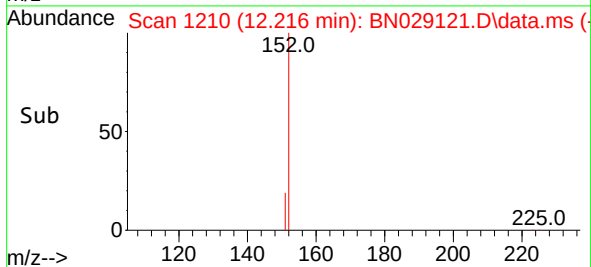
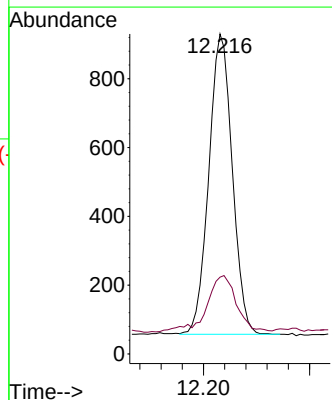
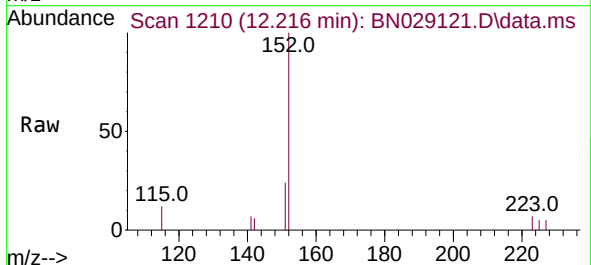
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

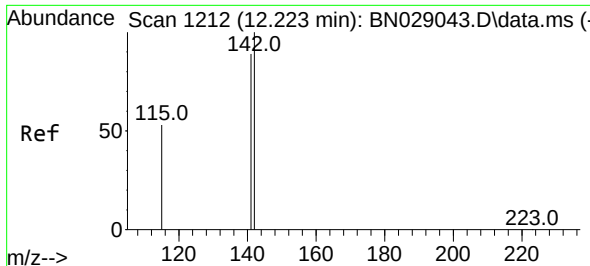
Tgt Ion:128 Resp: 56682
Ion Ratio Lower Upper
128 100
129 11.0 10.5 15.7
127 13.4 12.5 18.7



#11
2-Methylnaphthalene-d10
Concen: 0.177 ng
RT: 12.216 min Scan# 1210
Delta R.T. 0.068 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:152 Resp: 1345
Ion Ratio Lower Upper
152 100
151 24.4 17.4 26.0

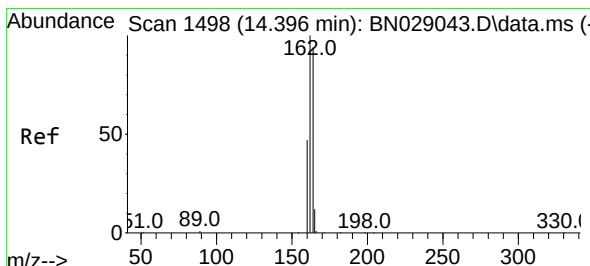
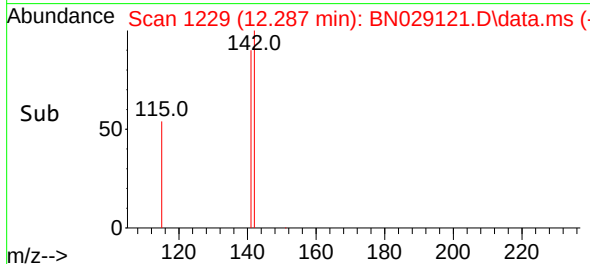
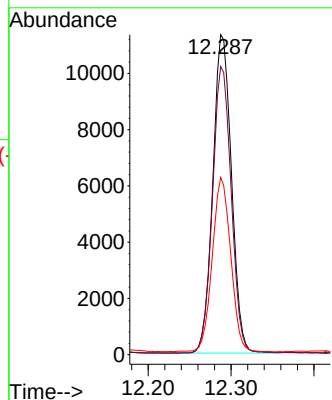
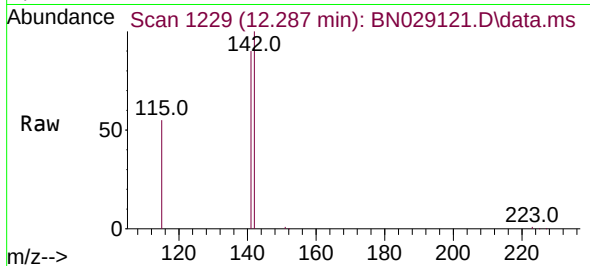




#12
2-Methylnaphthalene
Concen: 1.929 ng
RT: 12.287 min Scan# 11
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

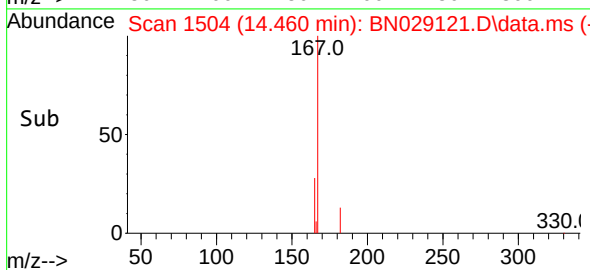
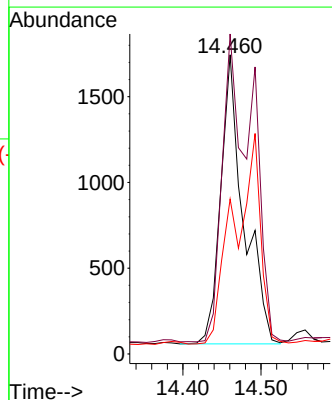
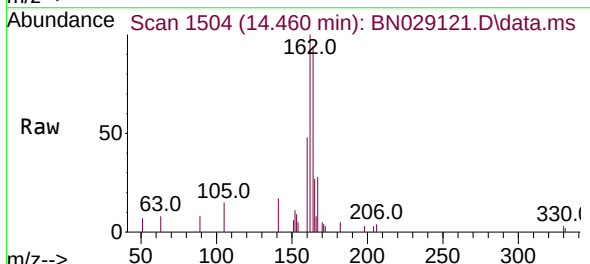
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

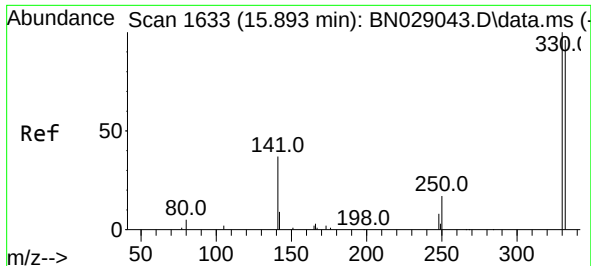
Tgt Ion:142 Resp: 17731
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7
115 55.4 44.6 66.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.460 min Scan# 1504
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:164 Resp: 3435
Ion Ratio Lower Upper
164 100
162 106.9 85.0 127.6
160 51.7 41.3 61.9

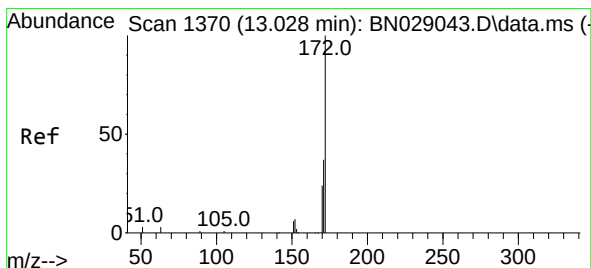
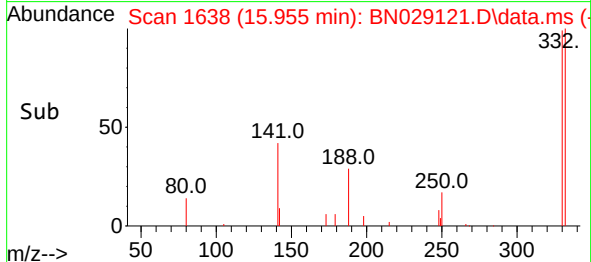
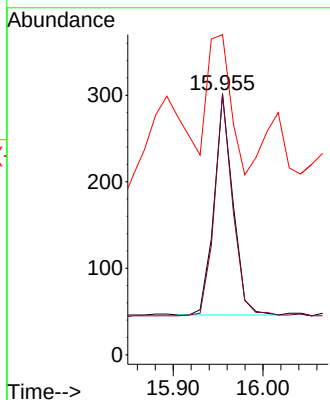
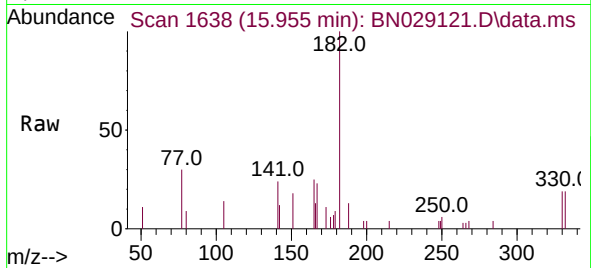




#14
2,4,6-Tribromophenol
Concen: 0.098 ng
RT: 15.955 min Scan# 1638
Delta R.T. 0.062 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

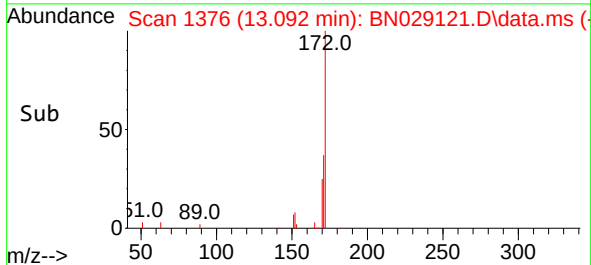
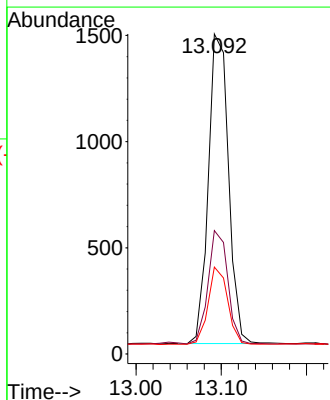
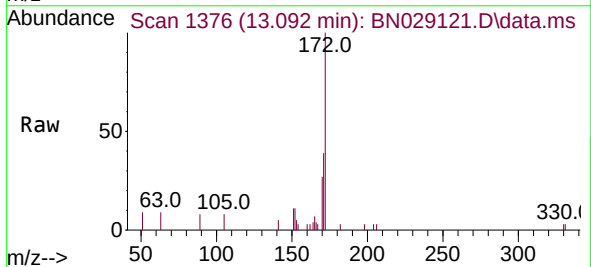
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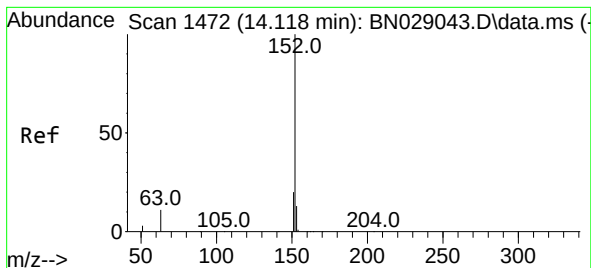
Tgt Ion:330 Resp: 370
Ion Ratio Lower Upper
330 100
332 98.6 78.8 118.2
141 75.9 28.7 43.1#



#15
2-Fluorobiphenyl
Concen: 0.135 ng
RT: 13.092 min Scan# 1376
Delta R.T. 0.064 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:172 Resp: 2398
Ion Ratio Lower Upper
172 100
171 38.6 30.1 45.1
170 27.1 20.3 30.5





#16

Acenaphthylene

Concen: 0.975 ng

RT: 14.182 min Scan# 14

Delta R.T. 0.064 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

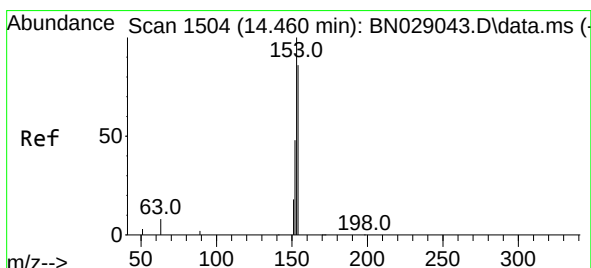
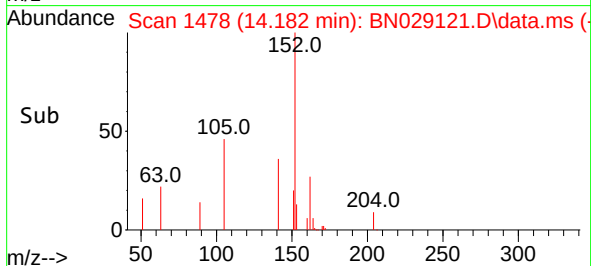
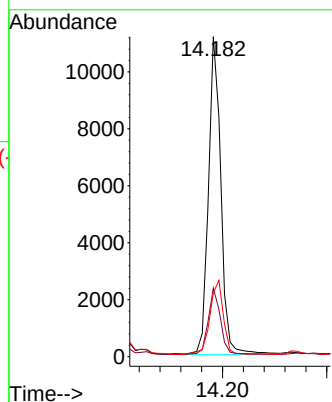
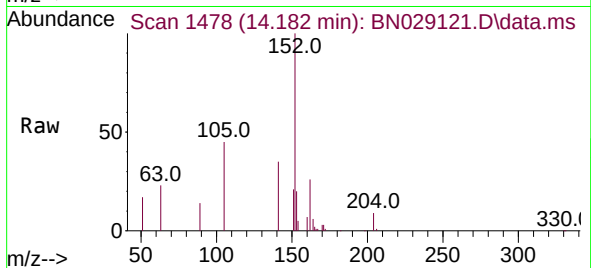
Tgt Ion:152 Resp: 18438

Ion Ratio Lower Upper

152 100

151 20.6 15.8 23.6

153 25.6 10.3 15.5#



#17

Acenaphthene

Concen: 2.206 ng

RT: 14.524 min Scan# 1510

Delta R.T. 0.064 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

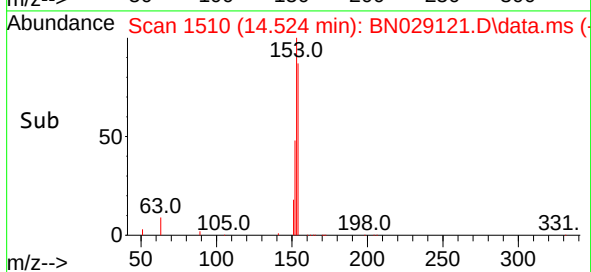
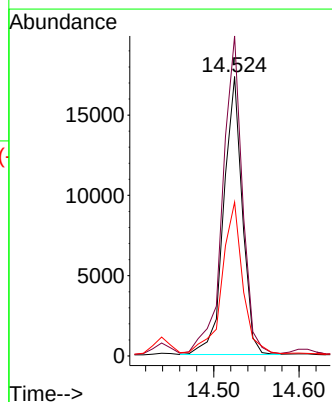
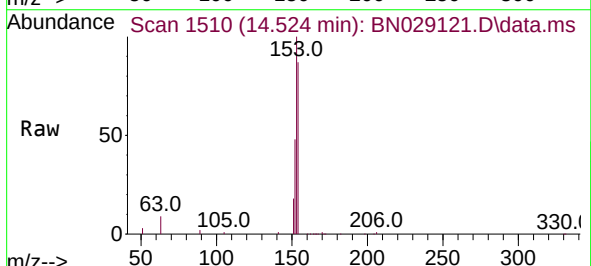
Tgt Ion:154 Resp: 26165

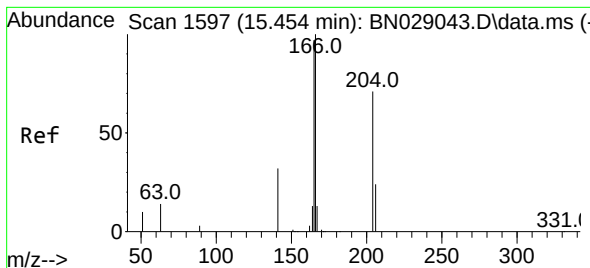
Ion Ratio Lower Upper

154 100

153 120.0 93.0 139.6

152 61.6 44.2 66.4





#18

Fluorene

Concen: 1.642 ng

RT: 15.508 min Scan# 1

Delta R.T. 0.054 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

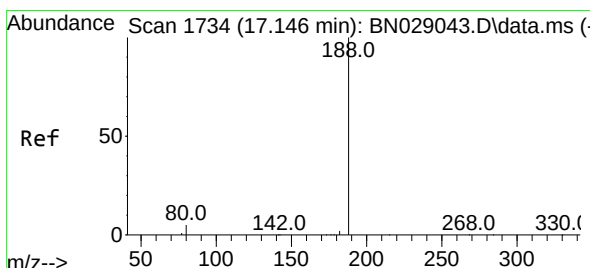
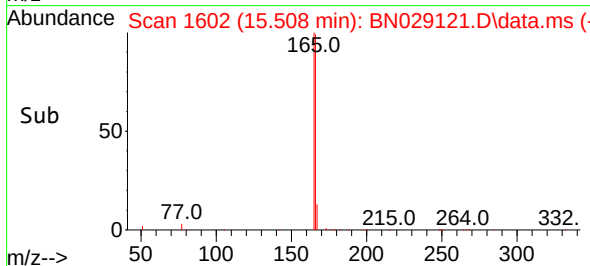
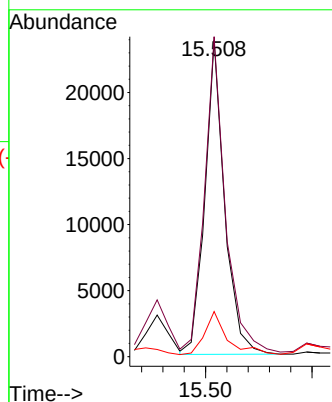
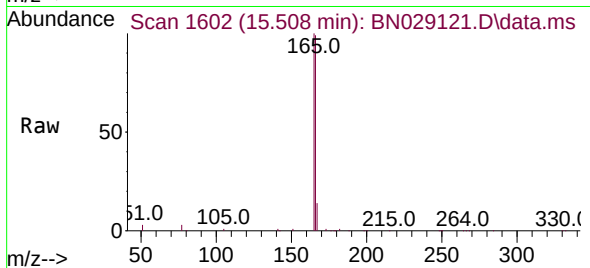
Tgt Ion:166 Resp: 31066

Ion Ratio Lower Upper

166 100

165 104.9 80.2 120.4

167 15.6 11.0 16.4



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.208 min Scan# 1739

Delta R.T. 0.062 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

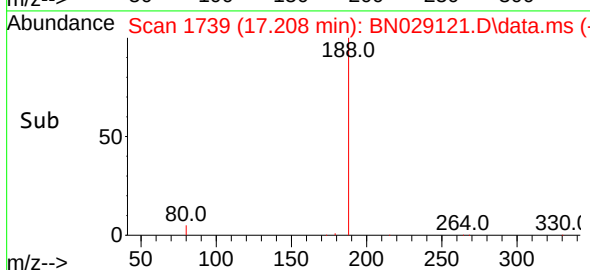
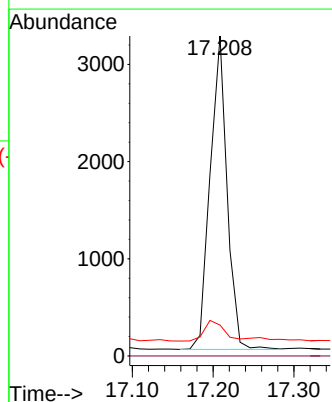
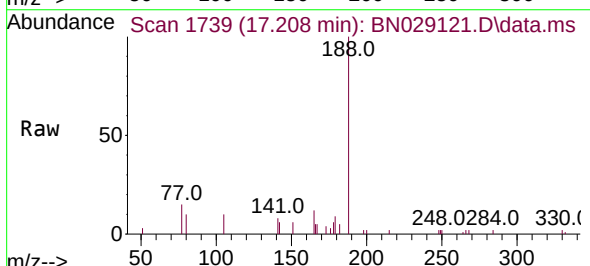
Tgt Ion:188 Resp: 4711

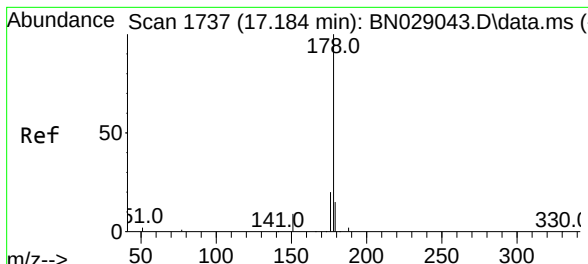
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 5.4 8.0#



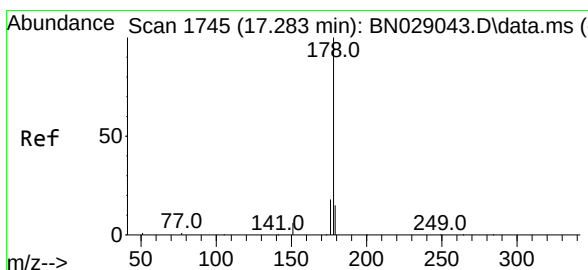
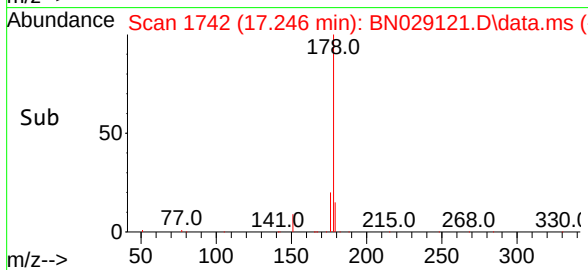
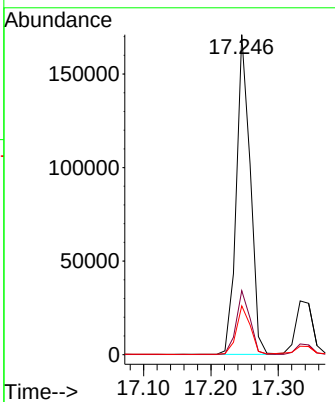
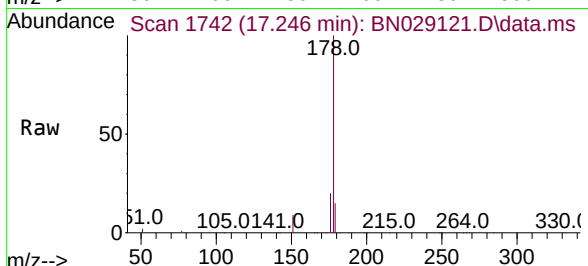


#25
 Phenanthrene
 Concen: 15.546 ng
 RT: 17.246 min Scan# 1742
 Delta R.T. 0.062 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

Tgt Ion:178 Resp: 244484

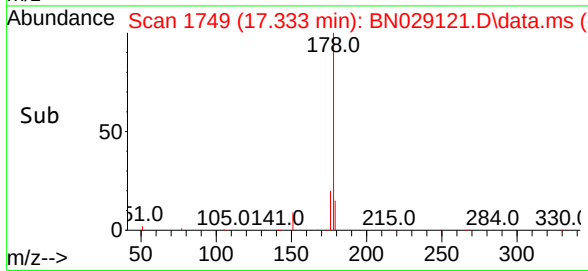
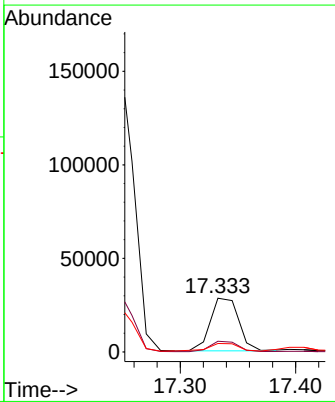
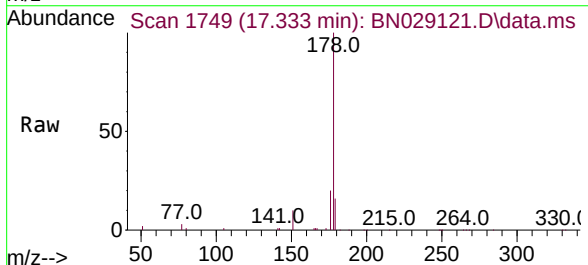
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.4	12.6	18.8

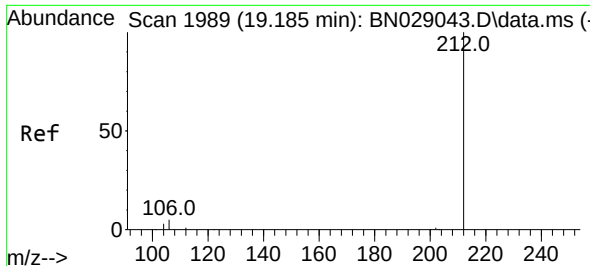


#26
 Anthracene
 Concen: 3.170 ng
 RT: 17.333 min Scan# 1749
 Delta R.T. 0.050 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Tgt Ion:178 Resp: 48193

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	14.5	12.6	19.0

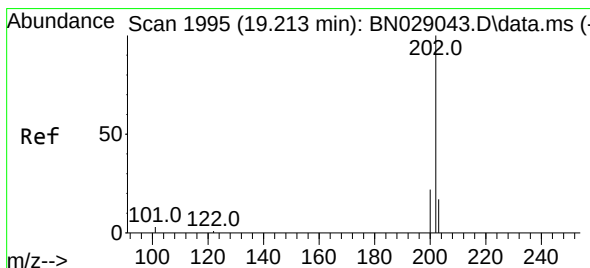
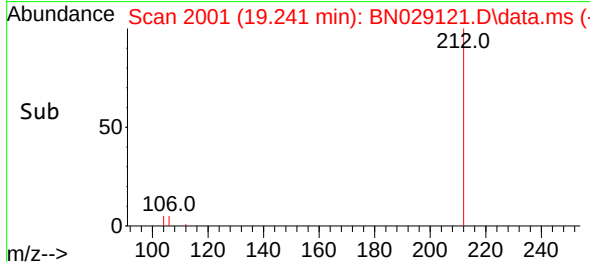
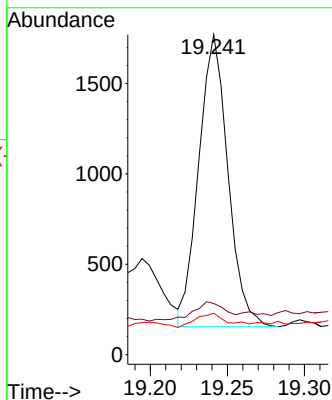
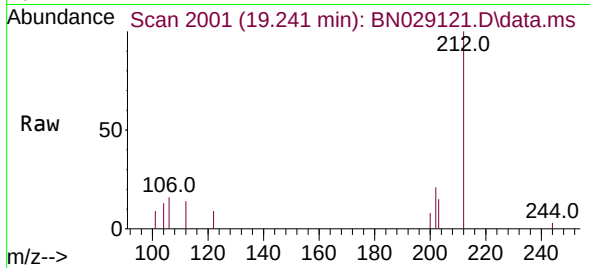




#27
Fluoranthene-d10
Concen: 0.143 ng
RT: 19.241 min Scan# 2001
Delta R.T. 0.056 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

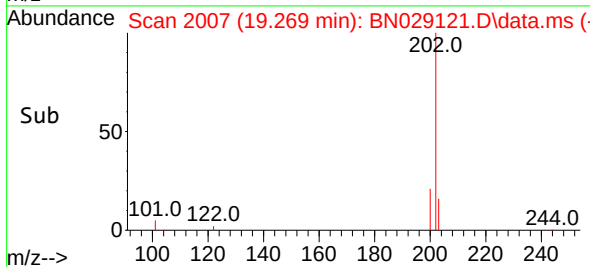
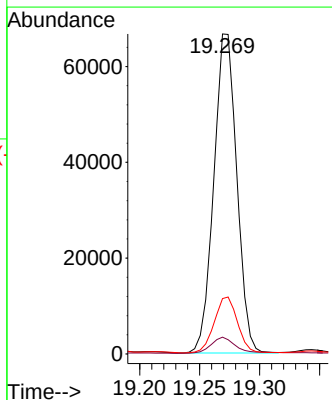
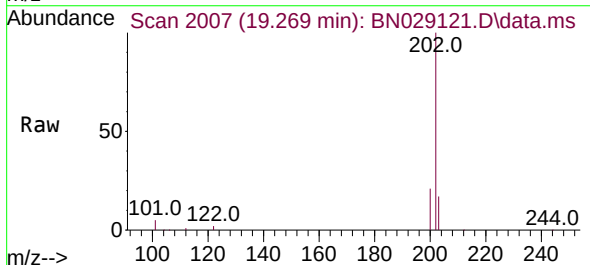
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

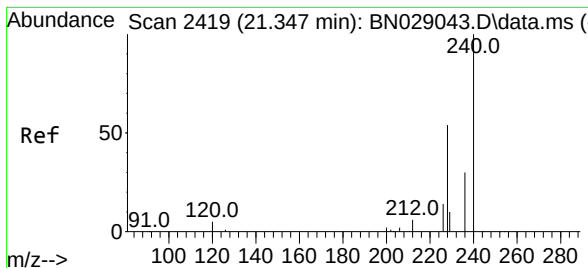
Tgt Ion:212 Resp: 2123
Ion Ratio Lower Upper
212 100
106 7.3 3.9 5.9#
104 4.7 2.6 3.8#



#28
Fluoranthene
Concen: 4.114 ng
RT: 19.269 min Scan# 2007
Delta R.T. 0.056 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:202 Resp: 88944
Ion Ratio Lower Upper
202 100
101 5.5 3.0 4.6#
203 17.6 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.401 min Scan# 2419

Delta R.T. 0.054 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

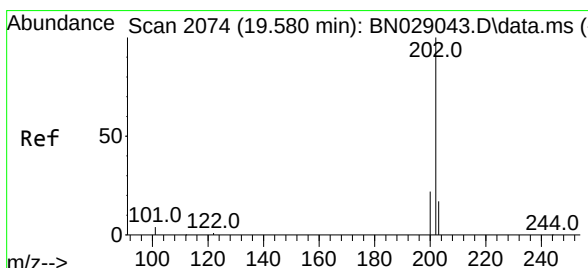
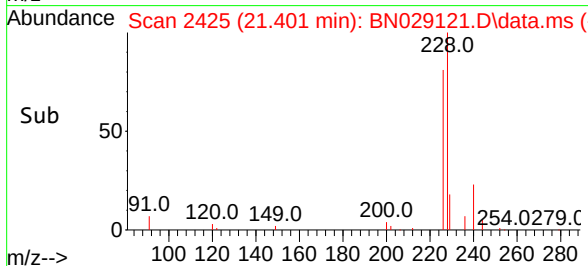
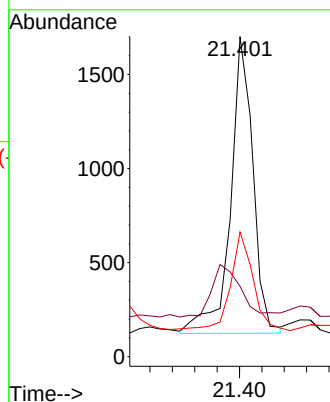
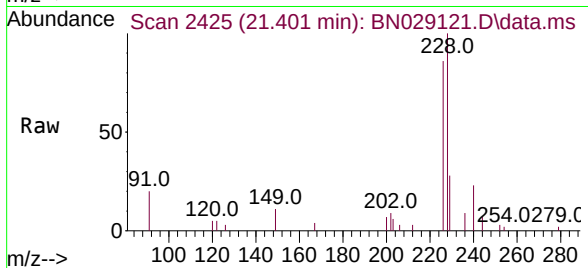
Tgt Ion:240 Resp: 2199

Ion Ratio Lower Upper

240 100

120 22.0 6.7 10.1#

236 39.0 25.7 38.5#



#30

Pyrene

Concen: 9.932 ng

RT: 19.636 min Scan# 2086

Delta R.T. 0.056 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

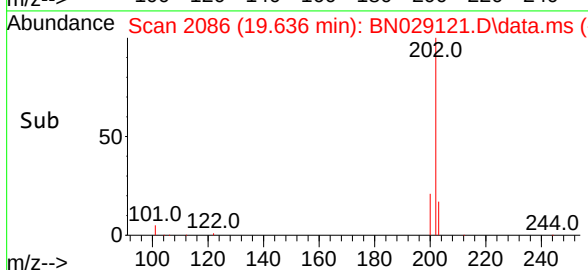
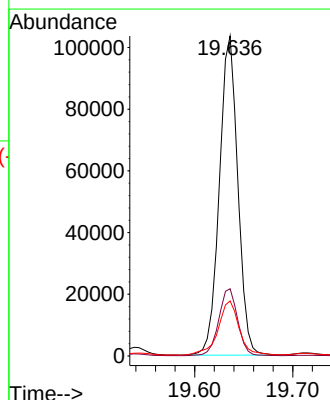
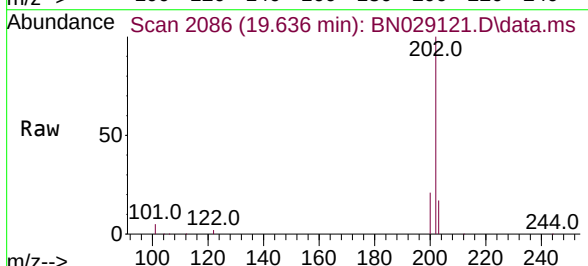
Tgt Ion:202 Resp: 135395

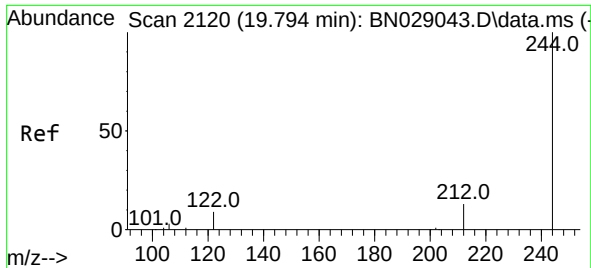
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 19.3 14.2 21.4

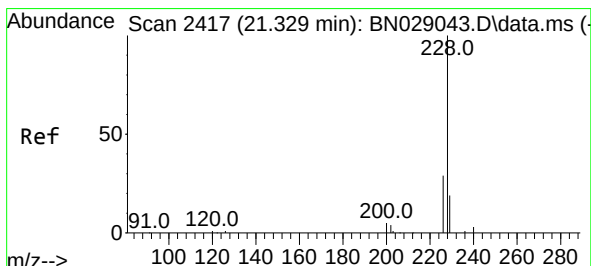
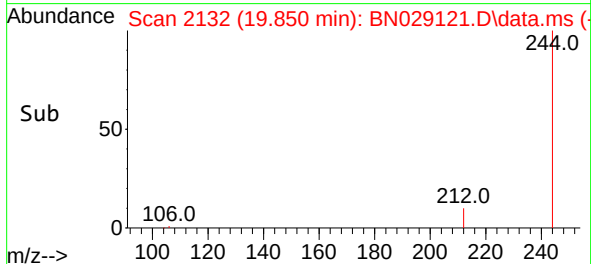
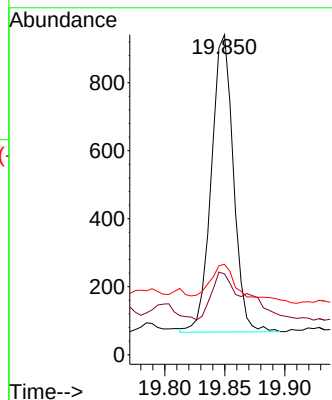
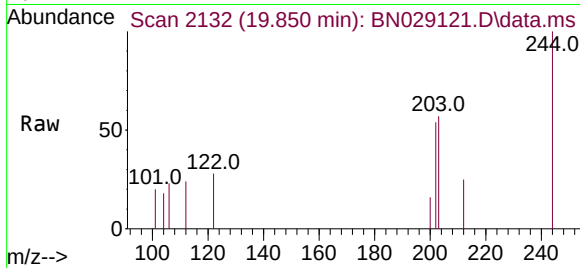




#31
 Terphenyl-d14
 Concen: 0.201 ng
 RT: 19.850 min Scan# 2118
 Delta R.T. 0.056 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

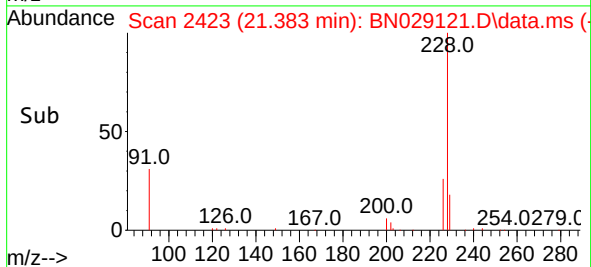
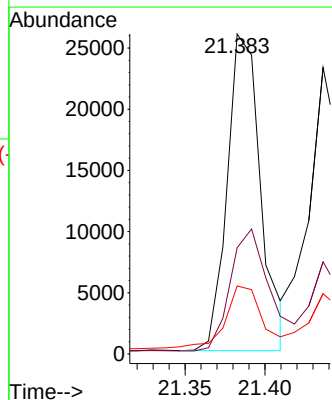
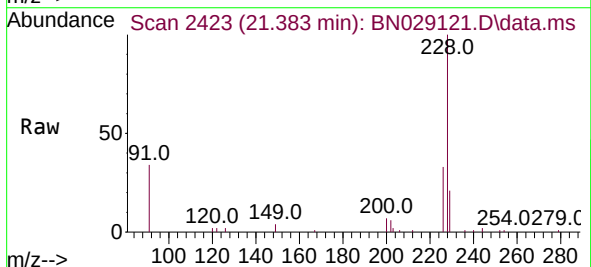
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

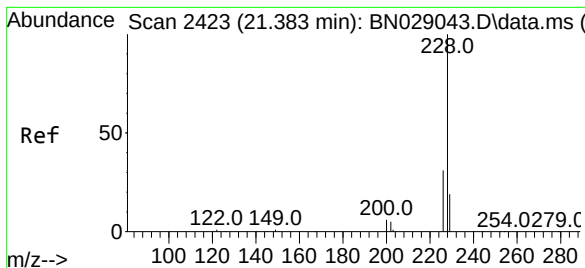
Tgt Ion:244 Resp: 1118
 Ion Ratio Lower Upper
 244 100
 212 25.3 11.6 17.4#
 122 28.3 8.2 12.4#



#32
 Benzo(a)anthracene
 Concen: 3.394 ng
 RT: 21.383 min Scan# 2423
 Delta R.T. 0.054 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Tgt Ion:228 Resp: 37859
 Ion Ratio Lower Upper
 228 100
 226 33.2 23.8 35.6
 229 21.3 16.0 24.0





#33

Chrysene

Concen: 3.038 ng

RT: 21.436 min Scan# 2423

Delta R.T. 0.054 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

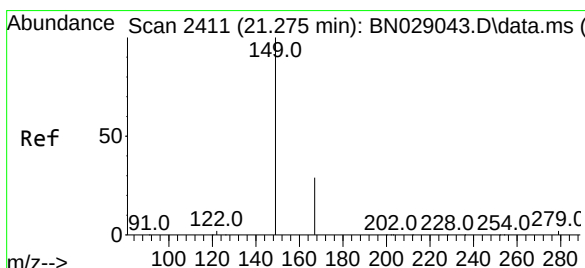
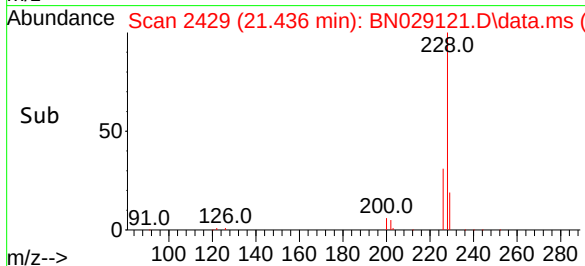
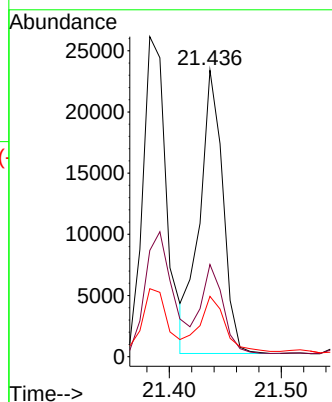
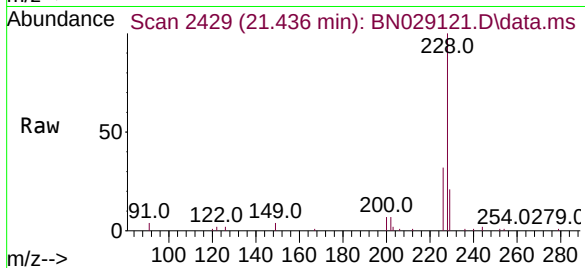
Tgt Ion:228 Resp: 33338

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.0

229 21.1 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.252 ng

RT: 21.329 min Scan# 2417

Delta R.T. 0.054 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

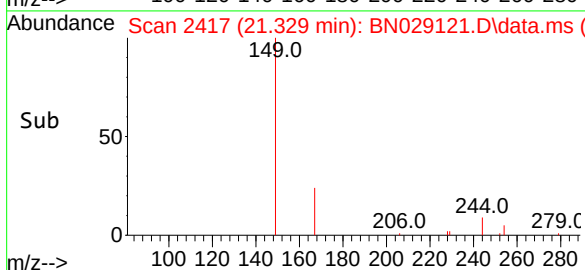
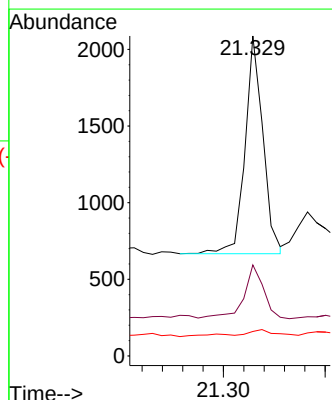
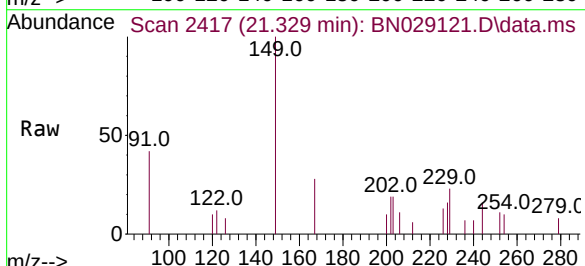
Tgt Ion:149 Resp: 1732

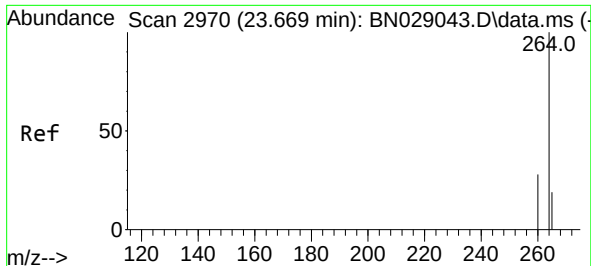
Ion Ratio Lower Upper

149 100

167 27.2 23.4 35.2

279 3.6 3.4 5.2

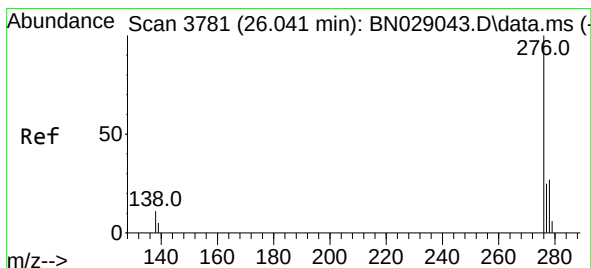
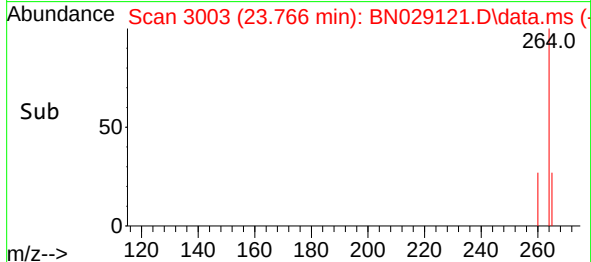
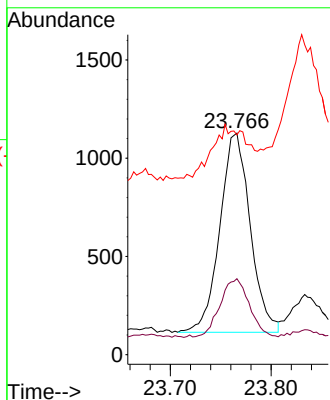
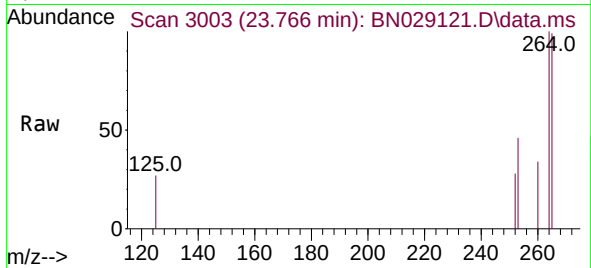




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.766 min Scan# 30
 Delta R.T. 0.097 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

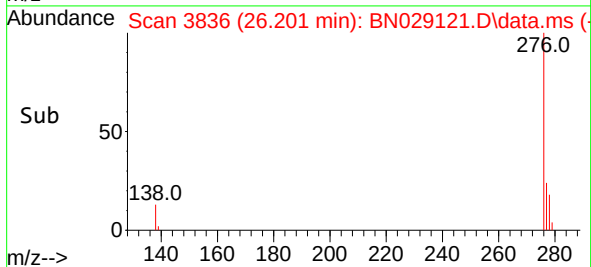
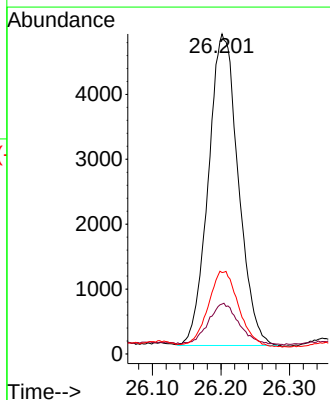
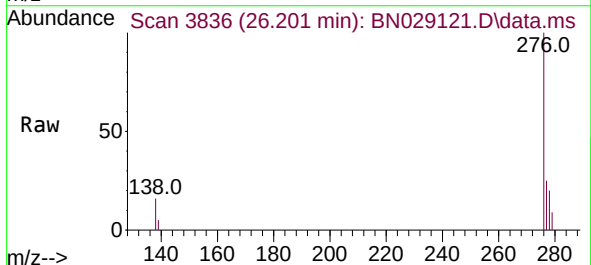
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)

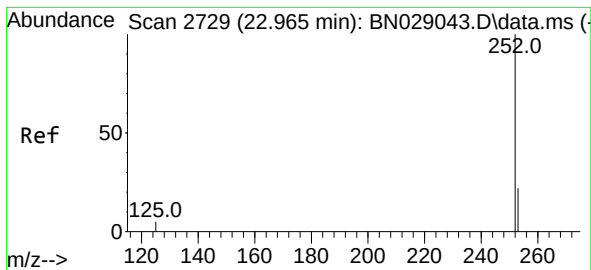
Tgt Ion:264 Resp: 2122
 Ion Ratio Lower Upper
 264 100
 260 34.3 23.9 35.9
 265 99.2 52.7 79.1#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 1.346 ng
 RT: 26.201 min Scan# 3836
 Delta R.T. 0.161 min
 Lab File: BN029121.D
 Acq: 08 Dec 2023 10:30

Tgt Ion:276 Resp: 14569
 Ion Ratio Lower Upper
 276 100
 138 13.3 9.6 14.4
 277 24.7 19.4 29.0





#37

Benzo(b)fluoranthene

Concen: 3.253 ng

RT: 23.047 min Scan# 21

Delta R.T. 0.082 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

Instrument :

BNA_N

ClientSampleId :

P-13(10-15)

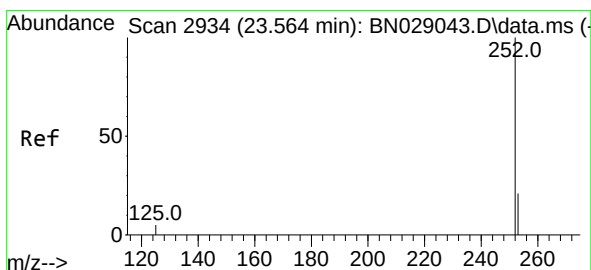
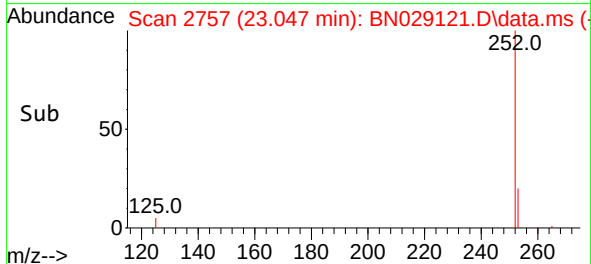
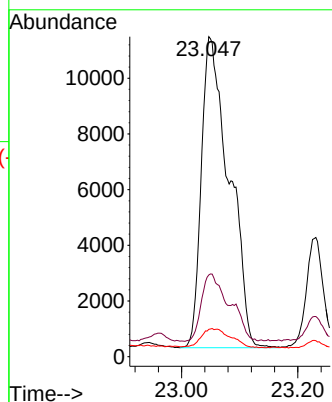
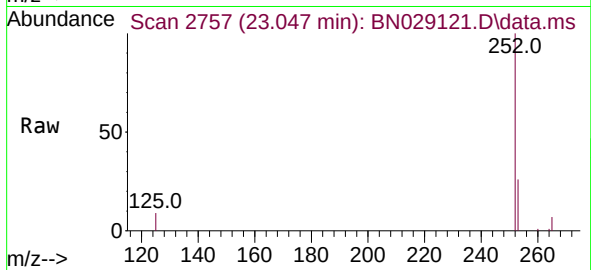
Tgt Ion:252 Resp: 37060

Ion Ratio Lower Upper

252 100

253 25.6 23.0 34.6

125 8.6 5.4 8.0#



#39

Benzo(a)pyrene

Concen: 3.072 ng

RT: 23.658 min Scan# 2966

Delta R.T. 0.094 min

Lab File: BN029121.D

Acq: 08 Dec 2023 10:30

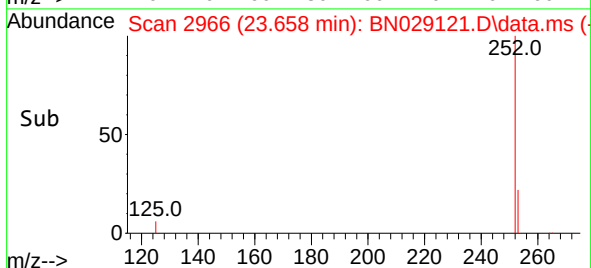
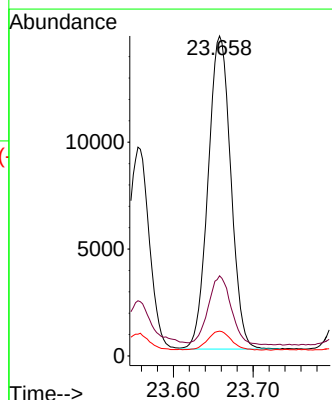
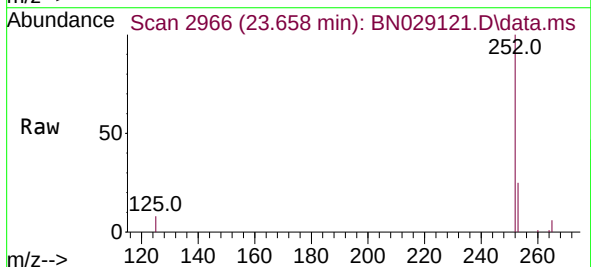
Tgt Ion:252 Resp: 28959

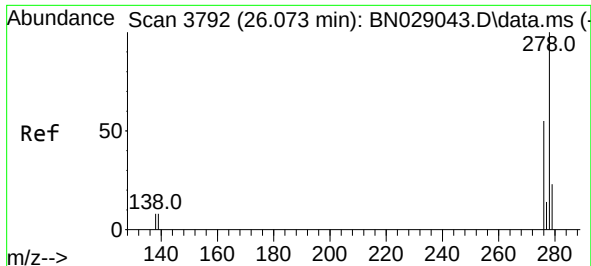
Ion Ratio Lower Upper

252 100

253 25.1 25.3 37.9#

125 7.8 6.5 9.7

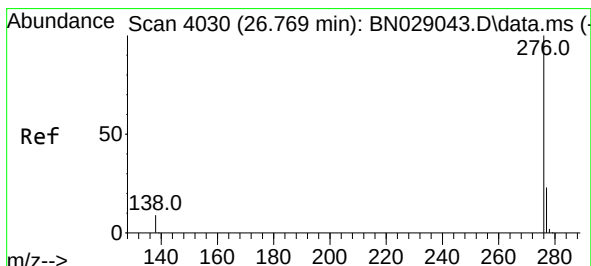
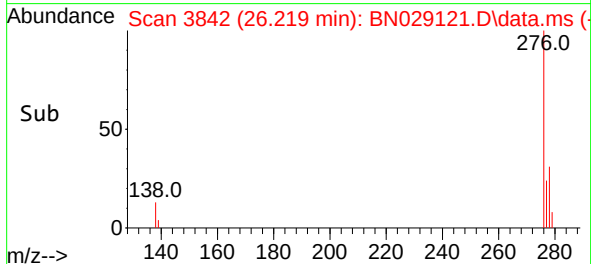
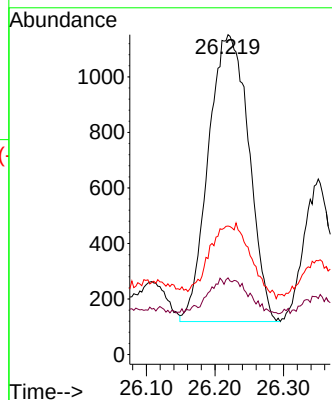
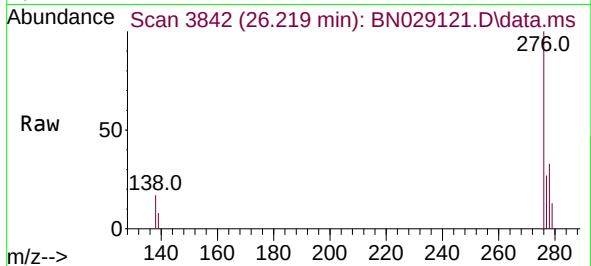




#40
Dibenzo(a,h)anthracene
Concen: 0.506 ng
RT: 26.219 min Scan# 3842
Delta R.T. 0.146 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)

Tgt Ion:278 Resp: 4223
Ion Ratio Lower Upper
278 100
139 24.0 9.4 14.2#
279 40.2 24.2 36.4#



#41
Benzo(g,h,i)perylene
Concen: 1.848 ng
RT: 26.962 min Scan# 4096
Delta R.T. 0.193 min
Lab File: BN029121.D
Acq: 08 Dec 2023 10:30

Tgt Ion:276 Resp: 16873
Ion Ratio Lower Upper
276 100
277 24.8 20.3 30.5
138 15.1 9.2 13.8#

