

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
 Data File : BN029054.D
 Acq On : 06 Dec 2023 14:03
 Operator : MA/JU
 Sample : 05047-11DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Dec 06 14:29:45 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)

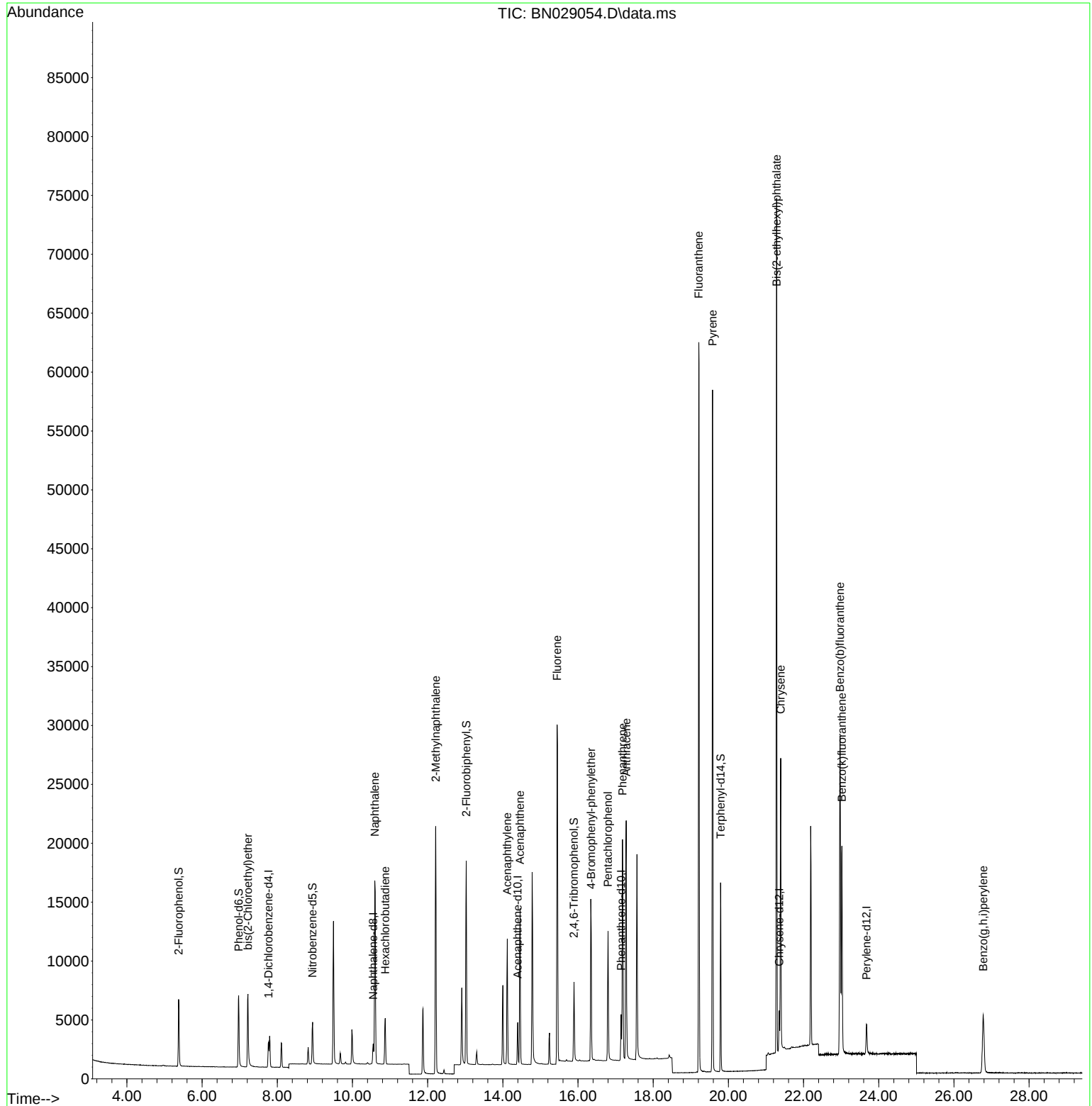
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	1062	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	2309	0.400	ng	-0.01
13) Acenaphthene-d10	14.396	164	1917	0.400	ng	0.00
19) Phenanthrene-d10	17.147	188	5183	0.400	ng	0.00
29) Chrysene-d12	21.356	240	3639	0.400	ng	0.00
35) Perylene-d12	23.676	264	3607	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	4714	1.962	ng	-0.01
5) Phenol-d6	6.973	99	5866	2.042	ng	0.00
8) Nitrobenzene-d5	8.939	82	3601	1.293	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.893	330	3918	1.851	ng	0.00
15) 2-Fluorobiphenyl	13.028	172	15195	1.531	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.794	244	15328	1.664	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	7.219	93	5828	2.868	ng	98
9) Naphthalene	10.594	128	21216	2.946	ng	96
10) Hexachlorobutadiene	10.872	225	3165	0.996	ng	# 100
12) 2-Methylnaphthalene	12.216	142	13960	2.384	ng	97
16) Acenaphthylene	14.118	152	11583	1.098	ng	100
17) Acenaphthene	14.460	154	6657	1.006	ng	99
18) Fluorene	15.444	166	12339	1.168	ng	99
21) 4-Bromophenyl-phenylether	16.352	248	6568	1.402	ng	# 94
24) Pentachlorophenol	16.799	266	5244	1.797	ng	98
25) Phenanthrene	17.184	178	19979	1.155	ng	100
26) Anthracene	17.283	178	23646	1.414	ng	99
28) Fluoranthene	19.213	202	58797	2.472	ng	100
30) Pyrene	19.580	202	54018	2.395	ng	99
33) Chrysene	21.392	228	20298	1.118	ng	99
34) Bis(2-ethylhexyl)phtha...	21.284	149	61830	5.434	ng	98
37) Benzo(b)fluoranthene	22.971	252	37153	1.919	ng	# 91
38) Benzo(k)fluoranthene	23.018	252	23976	1.321	ng	93
41) Benzo(g,h,i)perylene	26.778	276	11773	0.759	ng	99

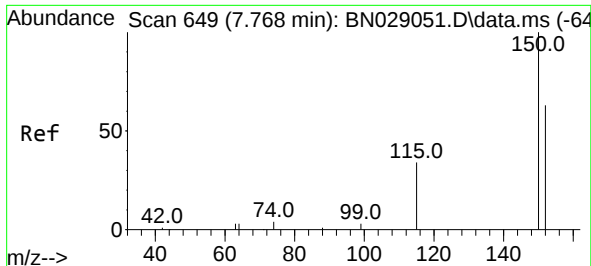
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120623\
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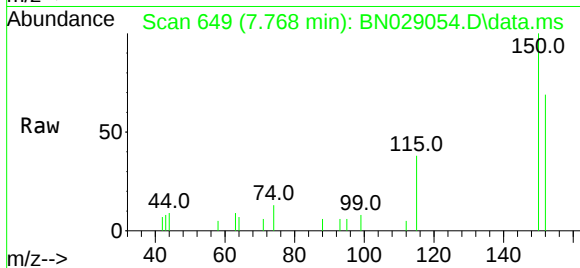
Quant Time: Dec 06 14:29:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN120523.M
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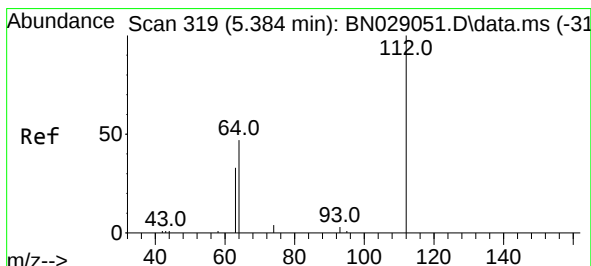
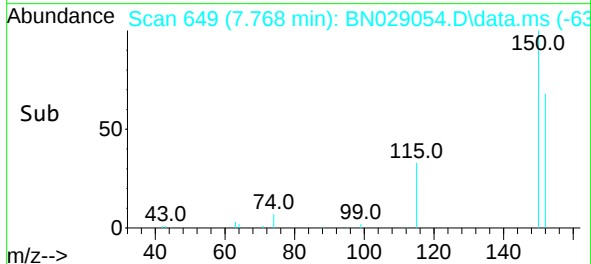
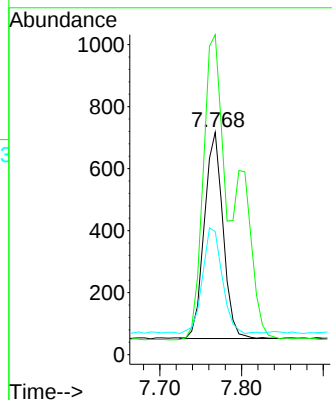


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.768 min Scan# 649
Delta R.T. -0.007 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

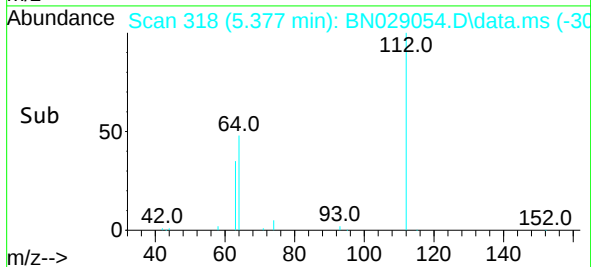
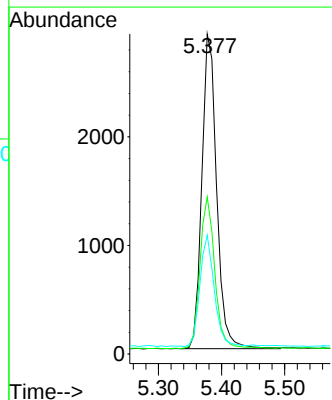
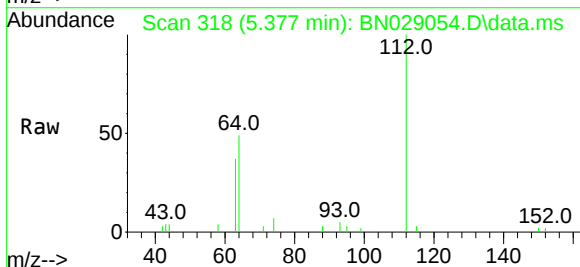


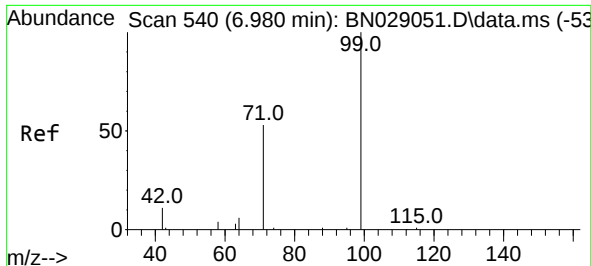
Tgt Ion:152 Resp: 1062
Ion Ratio Lower Upper
152 100
150 143.9 116.2 174.4
115 55.4 45.1 67.7



#4
2-Fluorophenol
Concen: 1.962 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.014 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:112 Resp: 4714
Ion Ratio Lower Upper
112 100
64 48.2 37.0 55.6
63 34.6 29.0 43.6

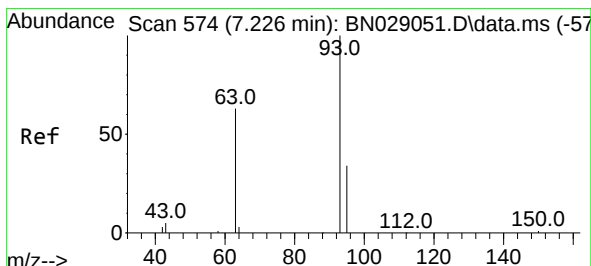
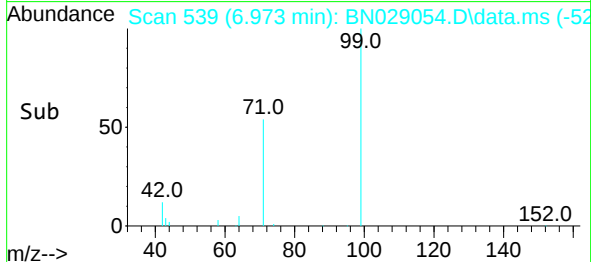
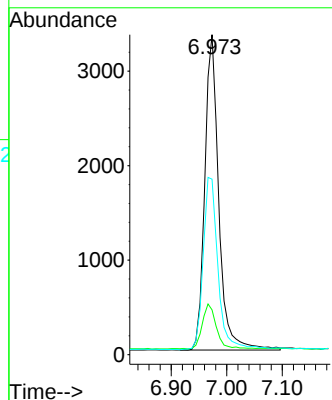
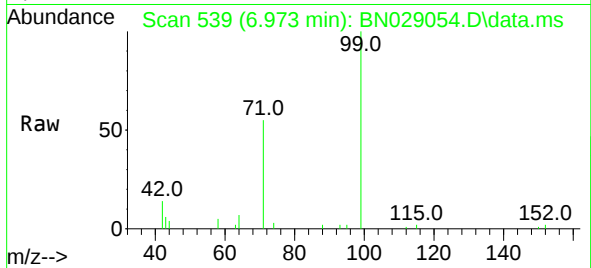




#5
Phenol-d6
Concen: 2.042 ng
RT: 6.973 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

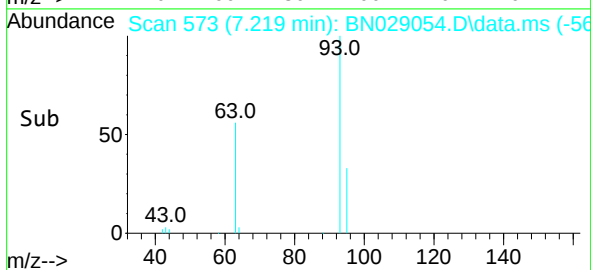
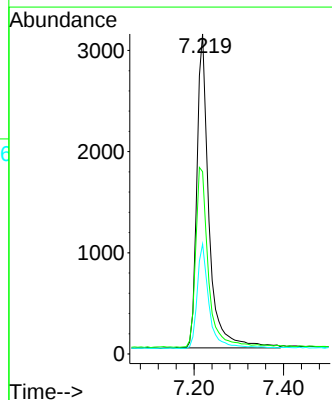
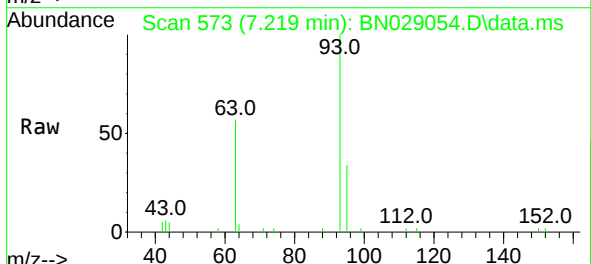
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

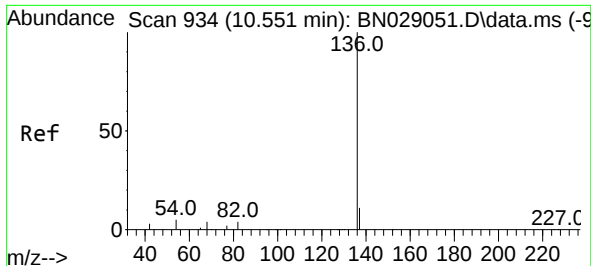
Tgt Ion: 99 Resp: 5866
Ion Ratio Lower Upper
99 100
42 14.4 13.4 20.2
71 58.2 47.8 71.6



#6
bis(2-Chloroethyl)ether
Concen: 2.868 ng
RT: 7.219 min Scan# 573
Delta R.T. -0.014 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion: 93 Resp: 5828
Ion Ratio Lower Upper
93 100
63 59.4 48.4 72.6
95 33.1 28.1 42.1

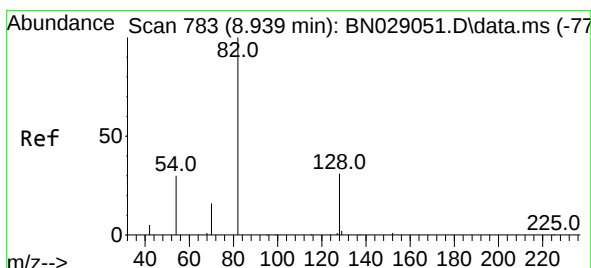
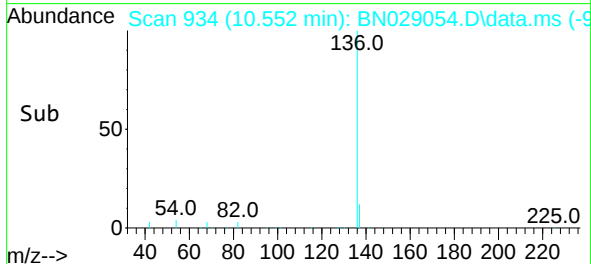
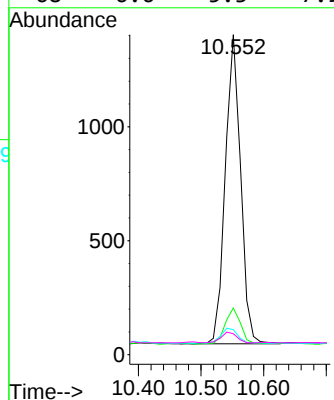
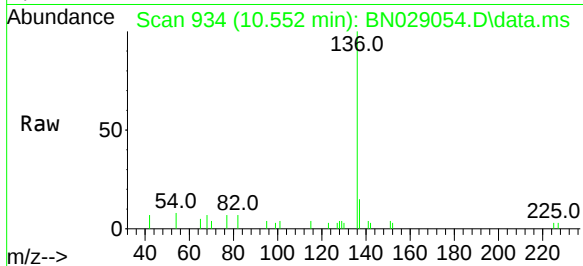




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 91
Delta R.T. -0.010 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

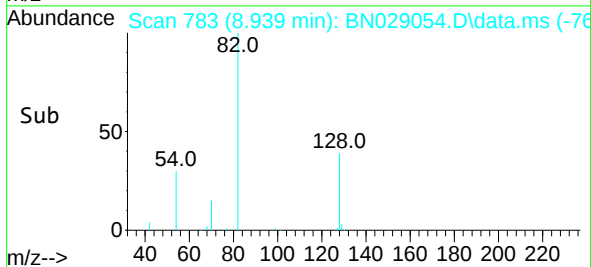
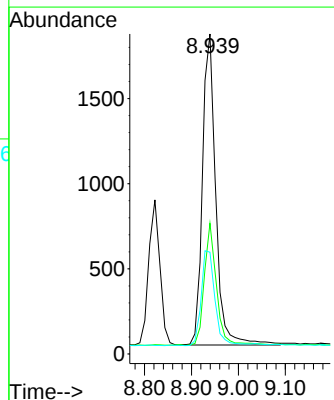
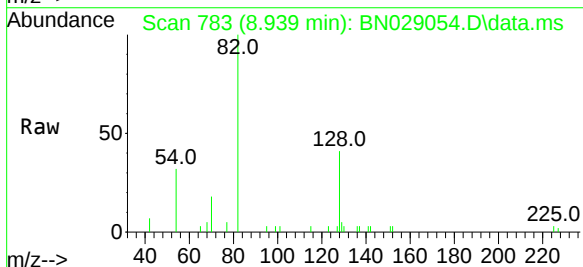
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

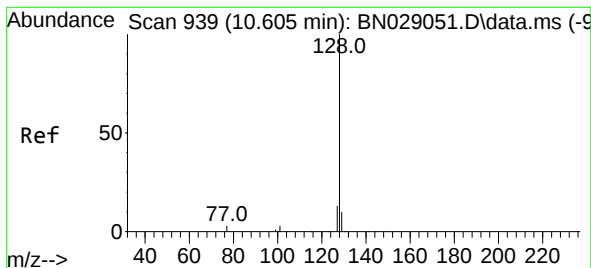
Tgt Ion:	136	Resp:	2309
Ion	Ratio	Lower	Upper
136	100		
137	14.6	11.9	17.9
54	7.8	6.4	9.6
68	6.6	5.3	7.9



#8
Nitrobenzene-d5
Concen: 1.293 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:	82	Resp:	3601
Ion	Ratio	Lower	Upper
82	100		
128	40.9	28.2	42.4
54	31.8	32.1	48.1





#9

Naphthalene

Concen: 2.946 ng

RT: 10.594 min Scan# 91

Delta R.T. -0.010 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

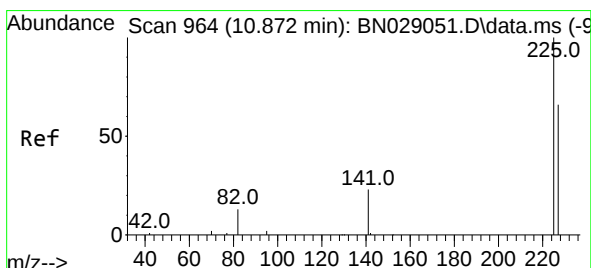
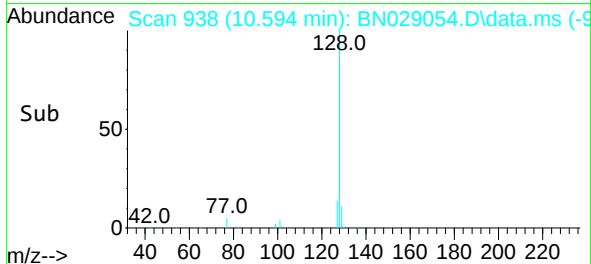
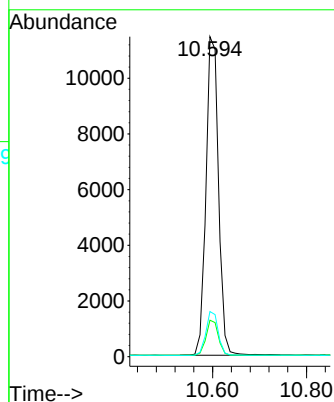
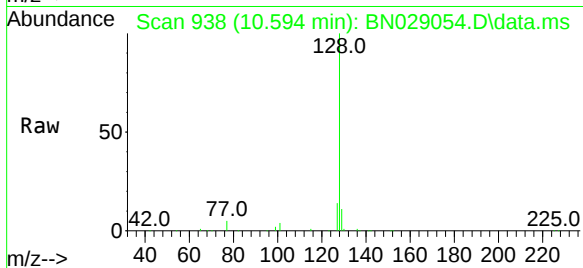
Tgt Ion:128 Resp: 21216

Ion Ratio Lower Upper

128 100

129 11.4 10.5 15.7

127 14.1 12.5 18.7



#10

Hexachlorobutadiene

Concen: 0.996 ng

RT: 10.872 min Scan# 964

Delta R.T. -0.010 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

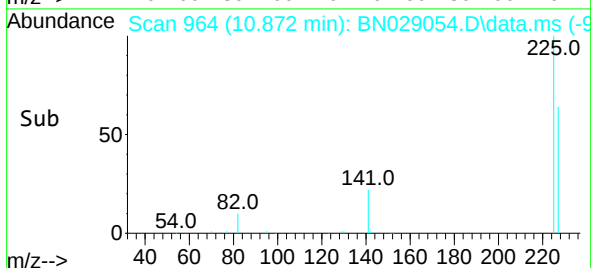
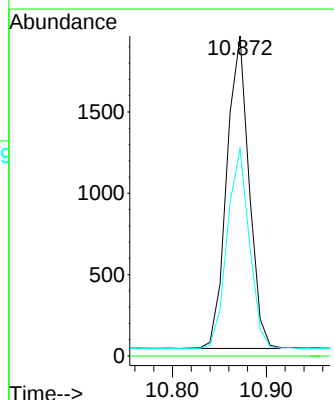
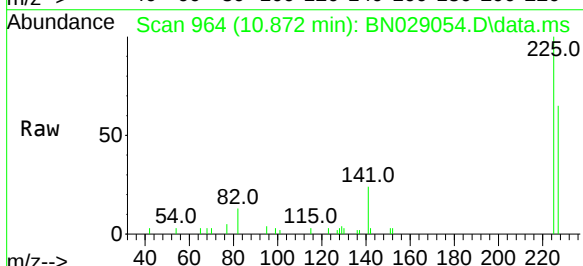
Tgt Ion:225 Resp: 3165

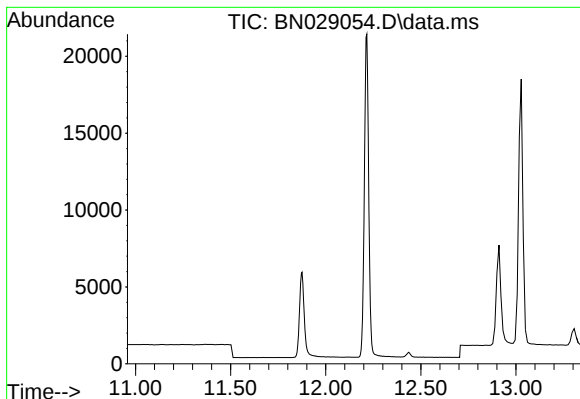
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 63.4 50.7 76.1

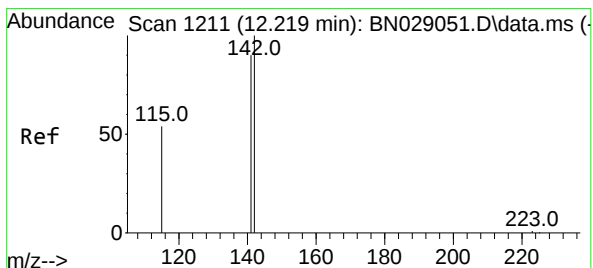
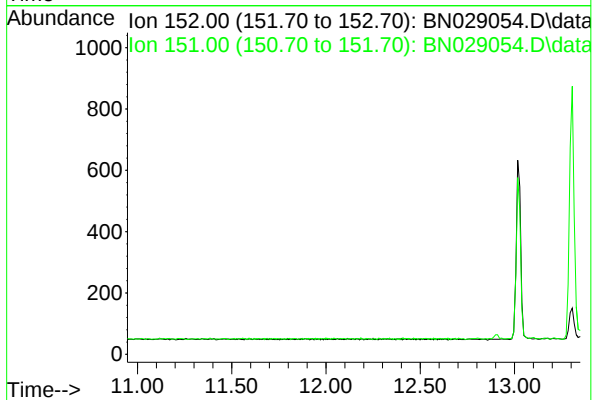




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.15 min
 Lab File: BN029054.D
 Acq: 06 Dec 2023 14:03

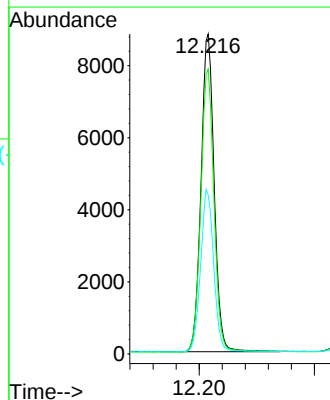
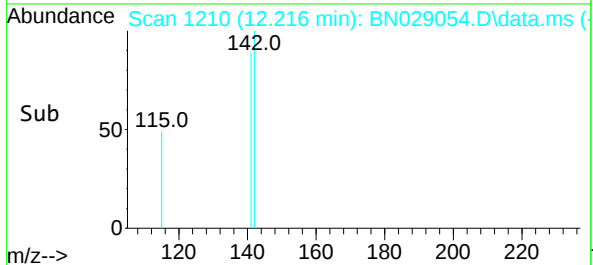
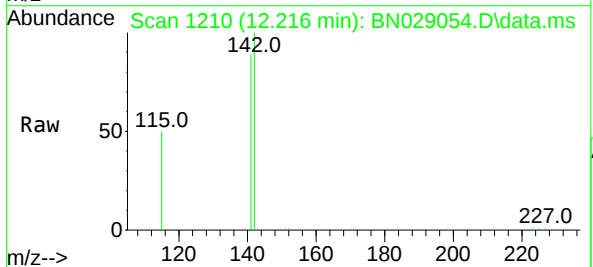
Instrument :
 BNA_N
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 PT-BNA-SOILD

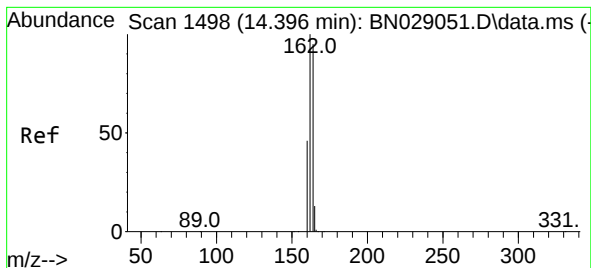
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.7



#12
 2-Methylnaphthalene
 Concen: 2.384 ng
 RT: 12.216 min Scan# 1210
 Delta R.T. -0.007 min
 Lab File: BN029054.D
 Acq: 06 Dec 2023 14:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7
115	49.7	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: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

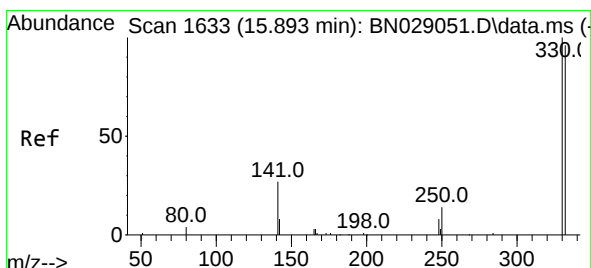
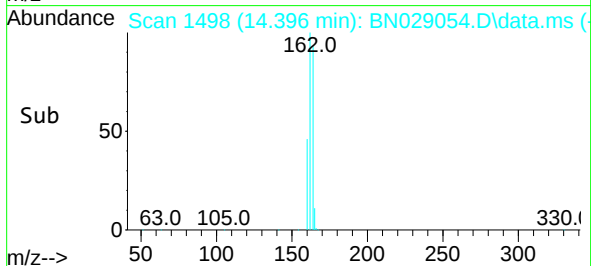
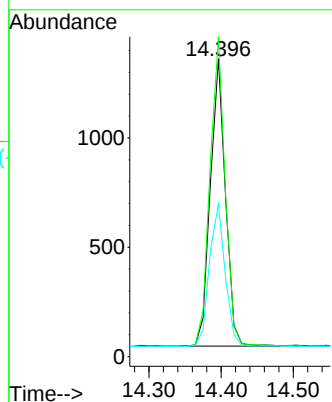
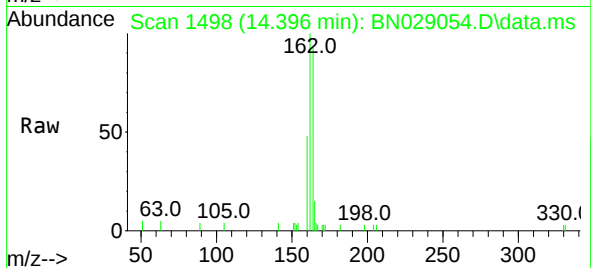
Tgt Ion:164 Resp: 1917

Ion Ratio Lower Upper

164 100

162 107.4 85.0 127.6

160 51.2 41.3 61.9



#14

2,4,6-Tribromophenol

Concen: 1.851 ng

RT: 15.893 min Scan# 1633

Delta R.T. 0.000 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

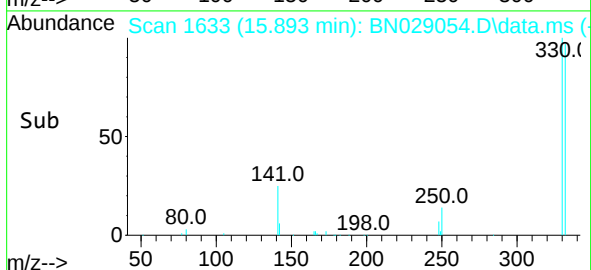
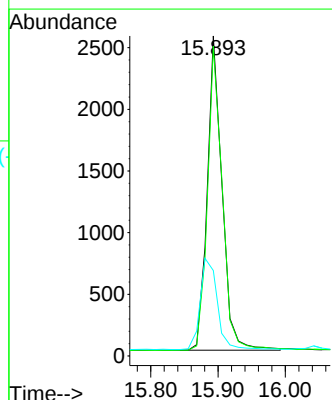
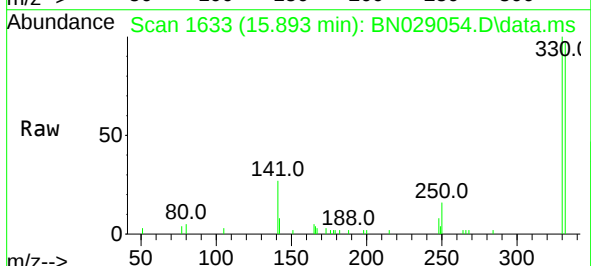
Tgt Ion:330 Resp: 3918

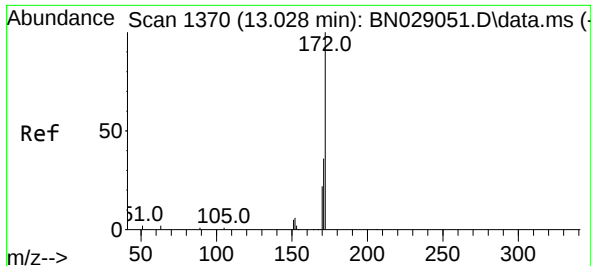
Ion Ratio Lower Upper

330 100

332 97.1 78.8 118.2

141 33.4 28.7 43.1

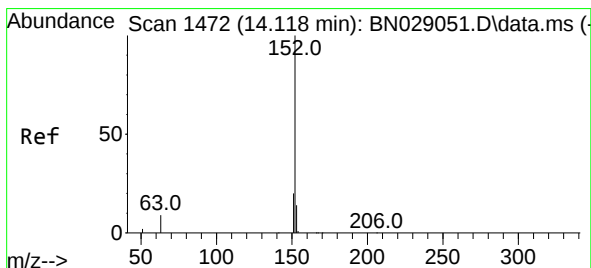
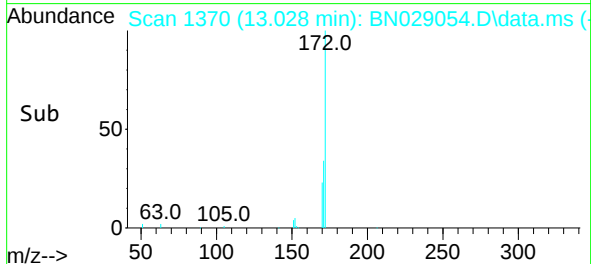
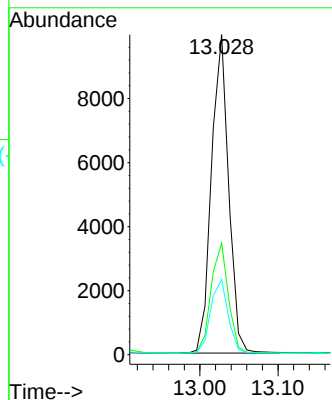
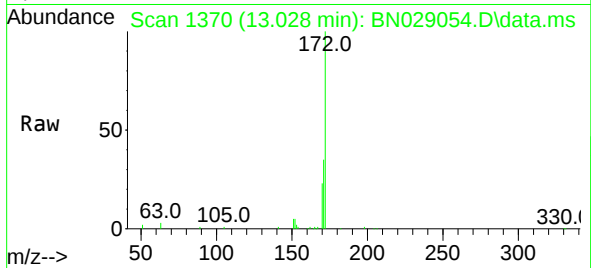




#15
2-Fluorobiphenyl
Concen: 1.531 ng
RT: 13.028 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

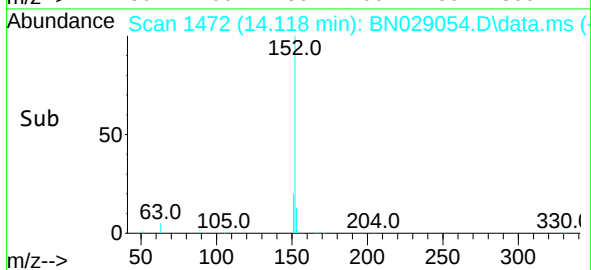
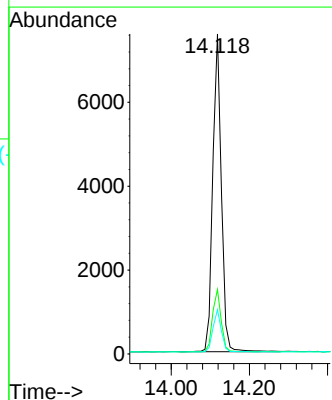
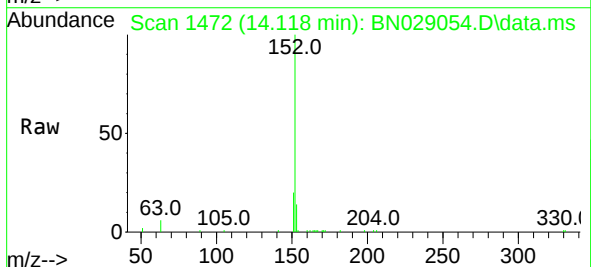
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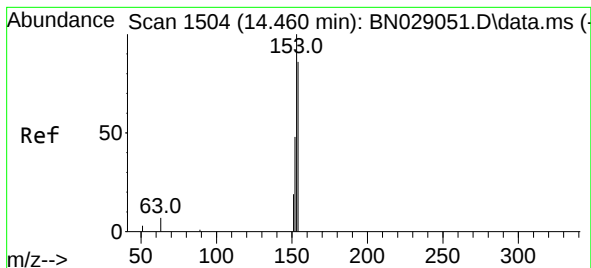
Tgt Ion:	172	Resp:	15195
Ion Ratio	Lower	Upper	
172	100		
171	34.9	30.1	45.1
170	23.4	20.3	30.5



#16
Acenaphthylene
Concen: 1.098 ng
RT: 14.118 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:	152	Resp:	11583
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.8	23.6
153	13.0	10.3	15.5





#17

Acenaphthene

Concen: 1.006 ng

RT: 14.460 min Scan# 1504

Delta R.T. 0.000 min

Lab File: BN029054.D

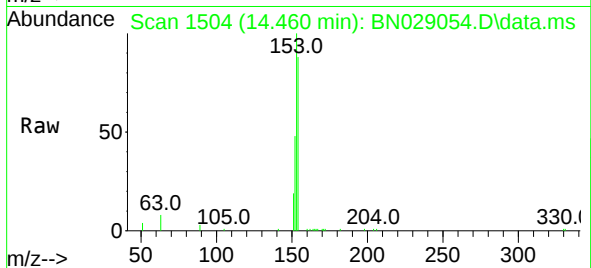
Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD



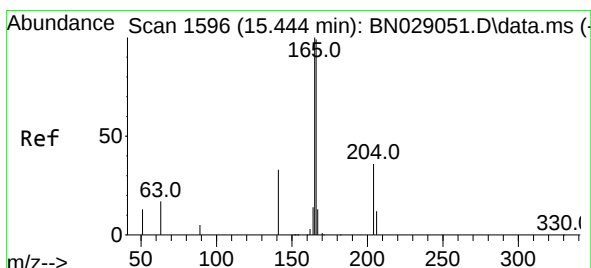
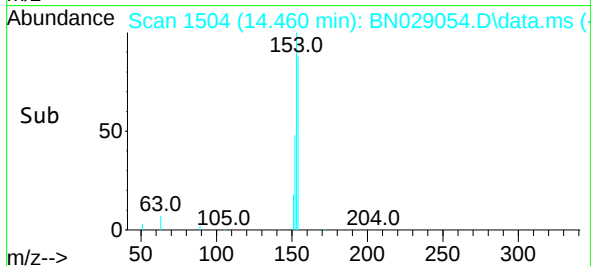
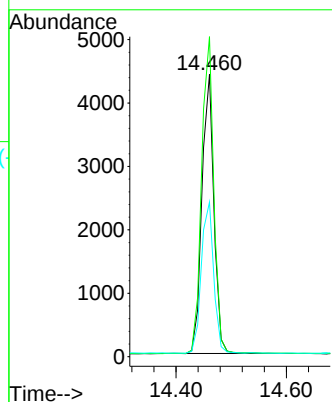
Tgt Ion:154 Resp: 6657

Ion Ratio Lower Upper

154 100

153 115.5 93.0 139.6

152 55.7 44.2 66.4



#18

Fluorene

Concen: 1.168 ng

RT: 15.444 min Scan# 1596

Delta R.T. -0.010 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

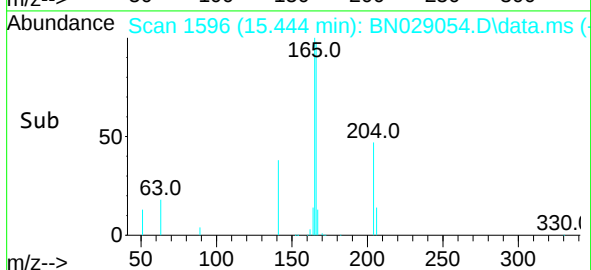
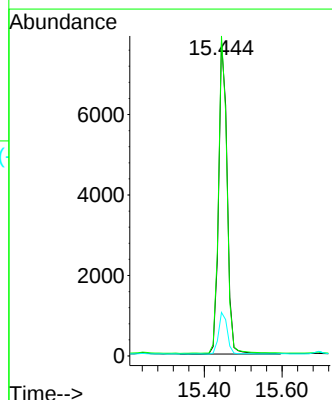
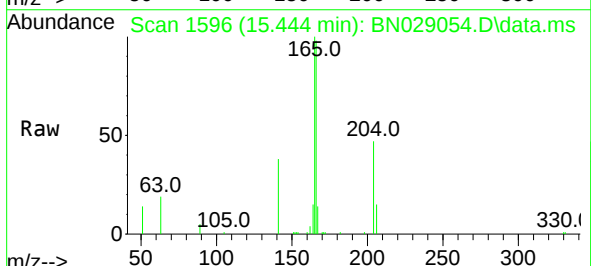
Tgt Ion:166 Resp: 12339

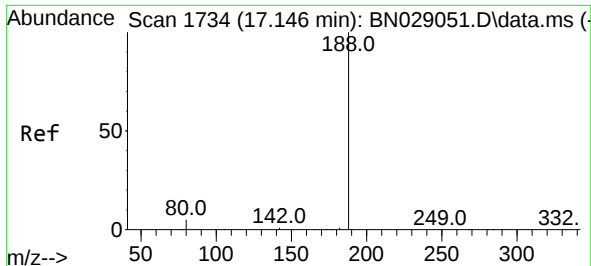
Ion Ratio Lower Upper

166 100

165 101.4 80.2 120.4

167 13.6 11.0 16.4

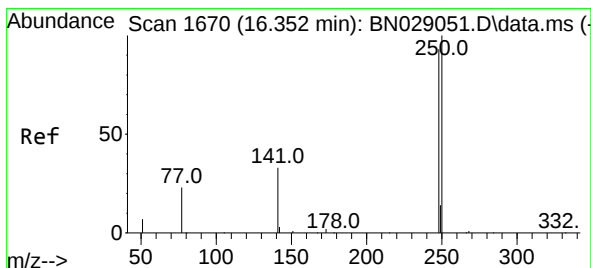
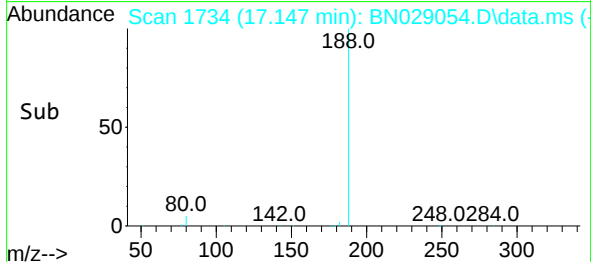
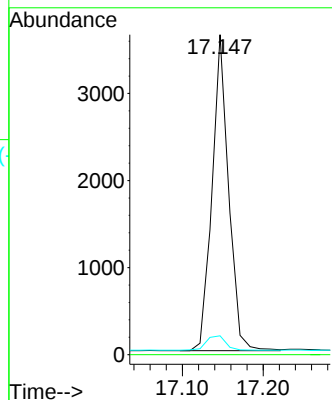
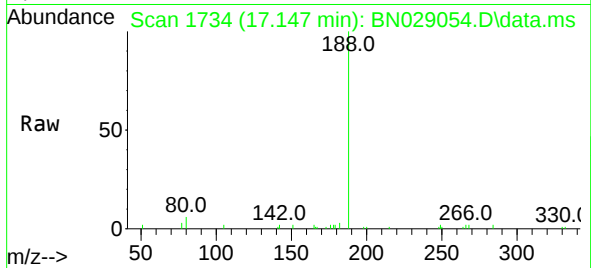




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.147 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

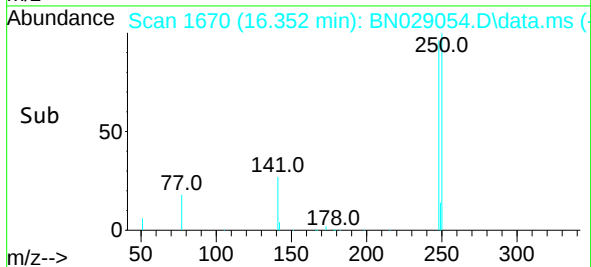
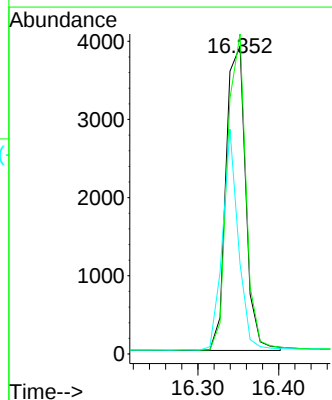
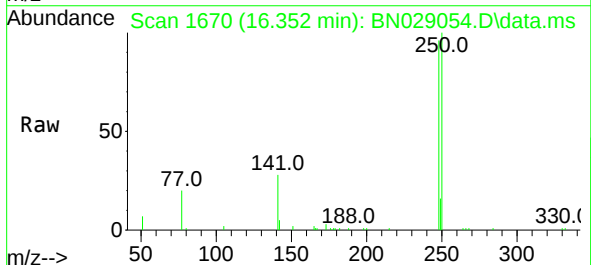
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

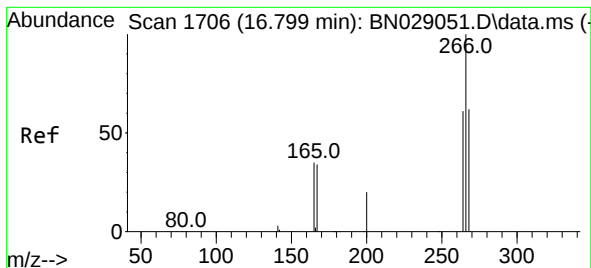
Tgt Ion:188 Resp: 5183
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 5.4 8.0



#21
4-Bromophenyl-phenylether
Concen: 1.402 ng
RT: 16.352 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:248 Resp: 6568
Ion Ratio Lower Upper
248 100
250 104.0 81.3 121.9
141 29.3 31.2 46.8#





#24

Pentachlorophenol

Concen: 1.797 ng

RT: 16.799 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

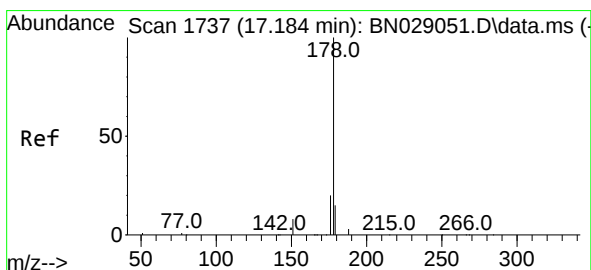
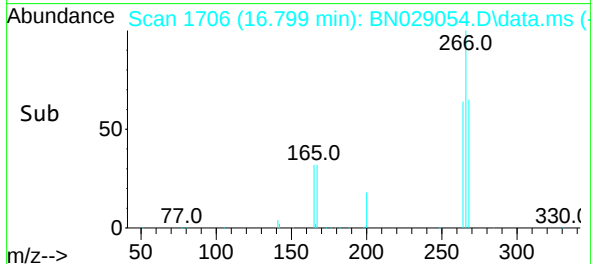
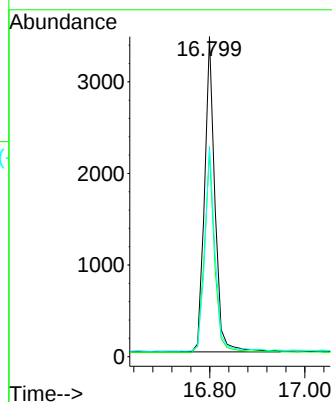
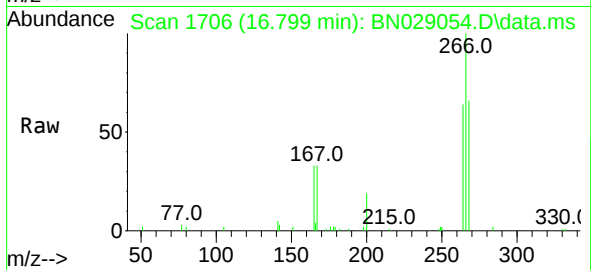
Tgt Ion:266 Resp: 5244

Ion Ratio Lower Upper

266 100

264 63.4 50.7 76.1

268 64.3 49.5 74.3



#25

Phenanthrene

Concen: 1.155 ng

RT: 17.184 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

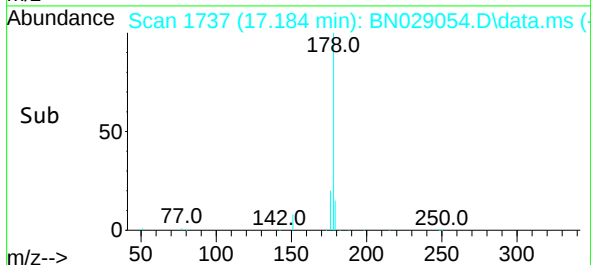
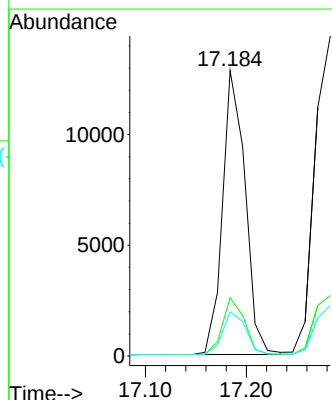
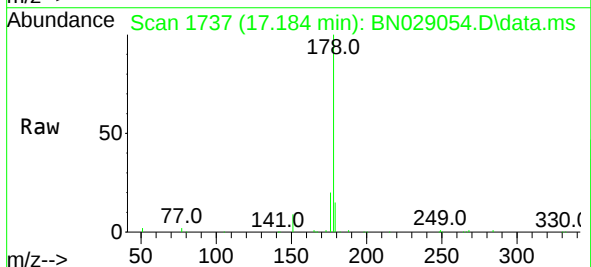
Tgt Ion:178 Resp: 19979

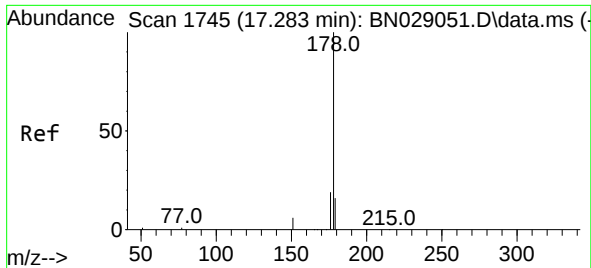
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.5 12.6 18.8

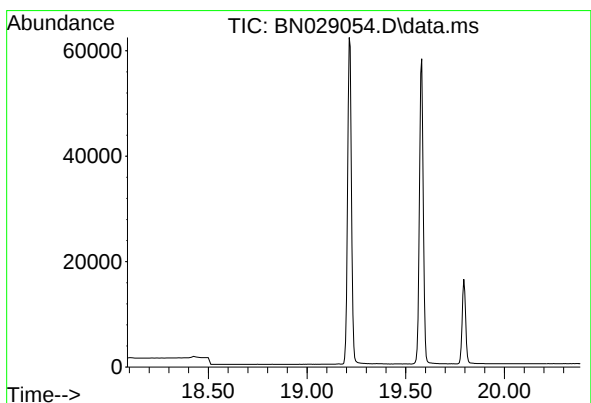
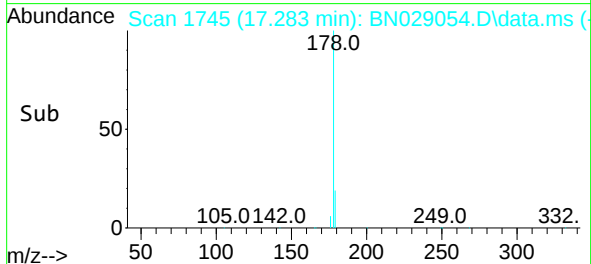
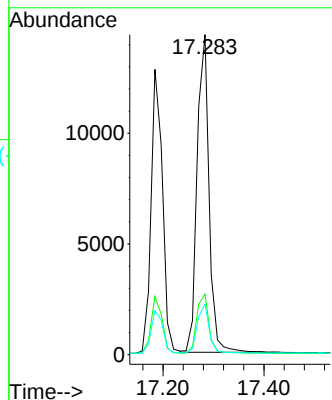
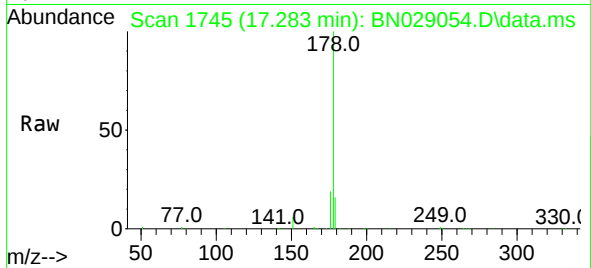




#26
 Anthracene
 Concen: 1.414 ng
 RT: 17.283 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN029054.D
 Acq: 06 Dec 2023 14:03

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL

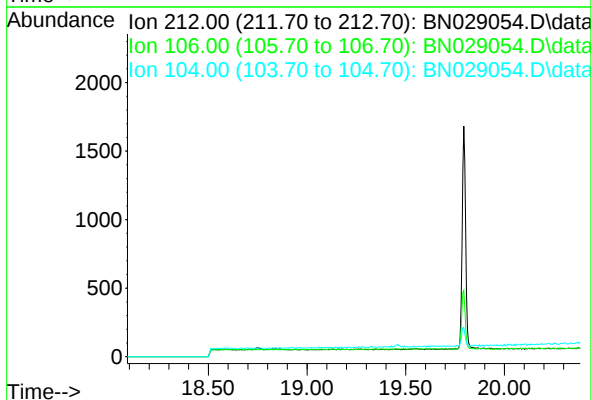
Tgt Ion:178 Resp: 23646
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.4
 179 15.0 12.6 19.0

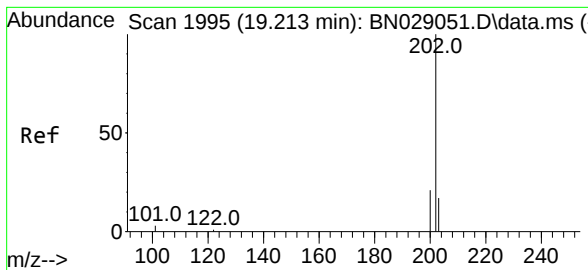


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.19 min

Lab File: BN029054.D
 Acq: 06 Dec 2023 14:03

Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 4.9
 104 3.2

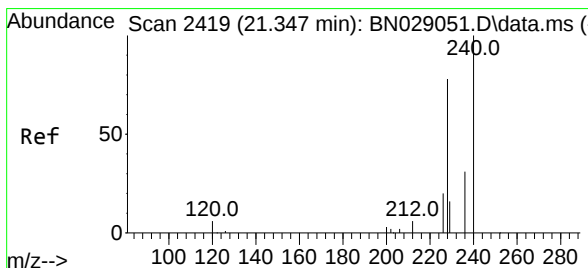
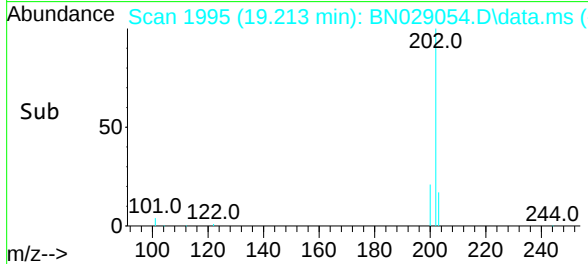
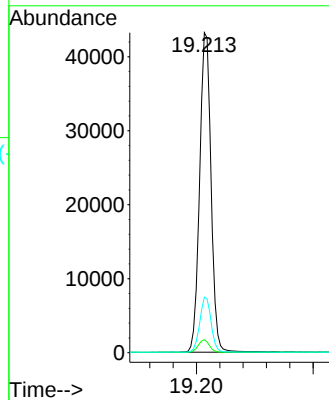
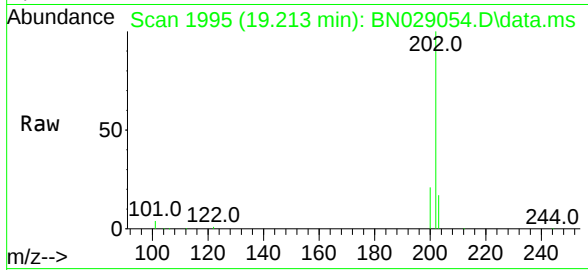




#28
Fluoranthene
Concen: 2.472 ng
RT: 19.213 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

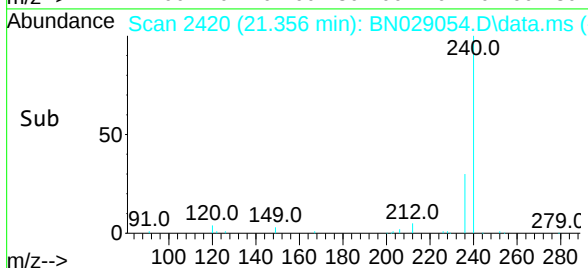
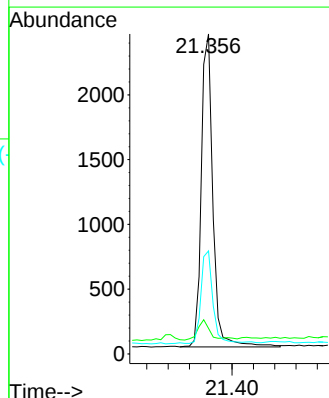
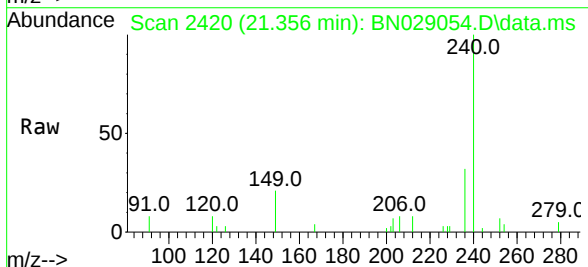
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

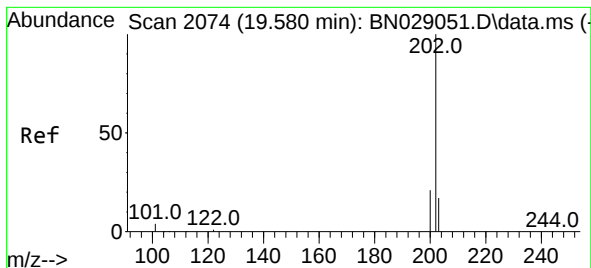
Tgt Ion:202 Resp: 58797
Ion Ratio Lower Upper
202 100
101 3.8 3.0 4.6
203 17.1 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.356 min Scan# 2420
Delta R.T. 0.009 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:240 Resp: 3639
Ion Ratio Lower Upper
240 100
120 8.0 6.7 10.1
236 32.2 25.7 38.5





#30

Pyrene

Concen: 2.395 ng

RT: 19.580 min Scan# 2074

Delta R.T. 0.000 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

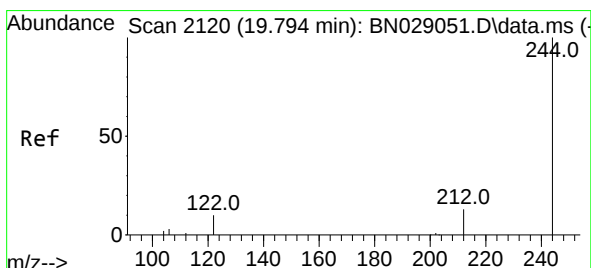
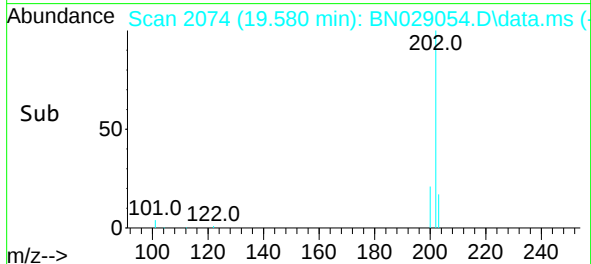
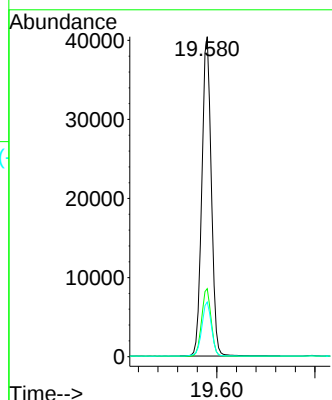
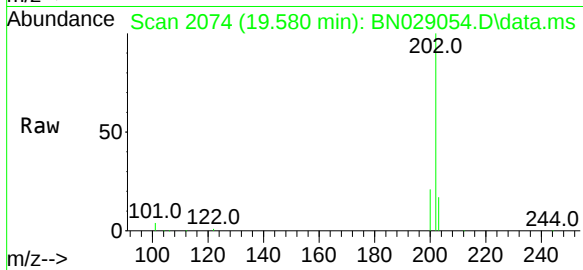
Tgt Ion:202 Resp: 54018

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

203 17.4 14.2 21.4



#31

Terphenyl-d14

Concen: 1.664 ng

RT: 19.794 min Scan# 2120

Delta R.T. 0.000 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

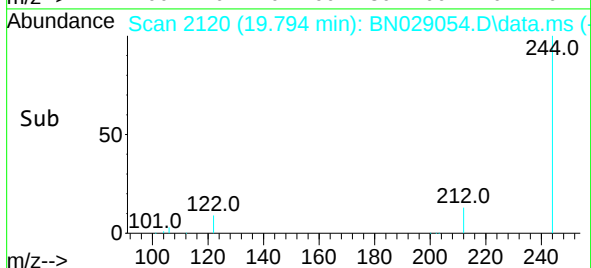
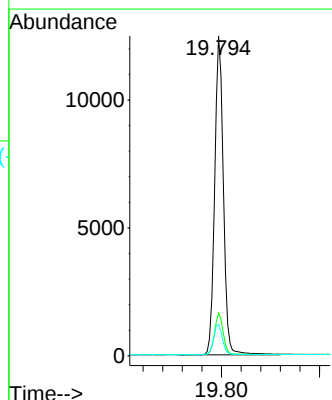
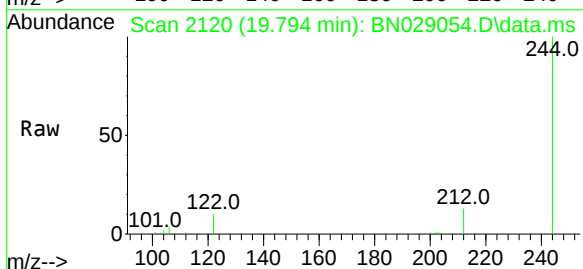
Tgt Ion:244 Resp: 15328

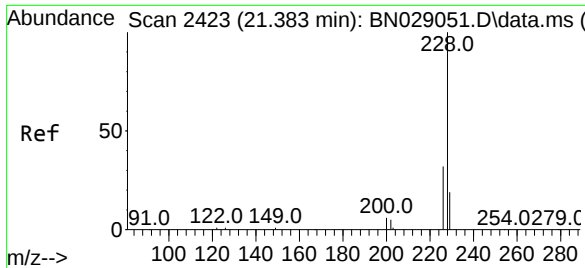
Ion Ratio Lower Upper

244 100

212 13.5 11.6 17.4

122 9.8 8.2 12.4





#33

Chrysene

Concen: 1.118 ng

RT: 21.392 min Scan# 2423

Delta R.T. 0.009 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

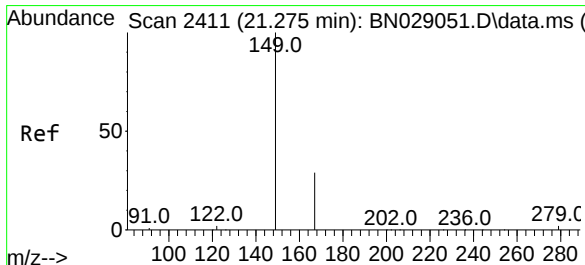
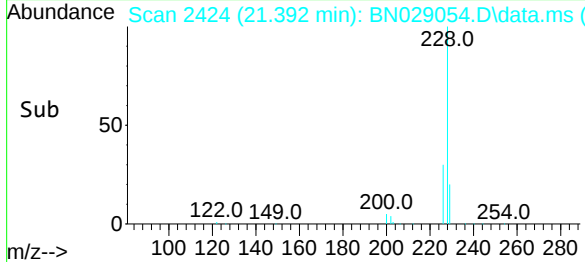
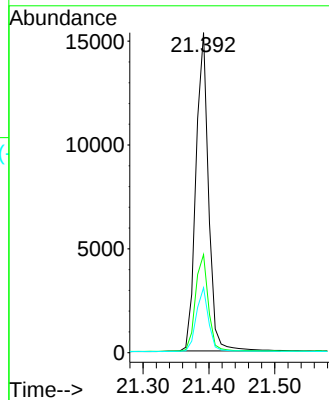
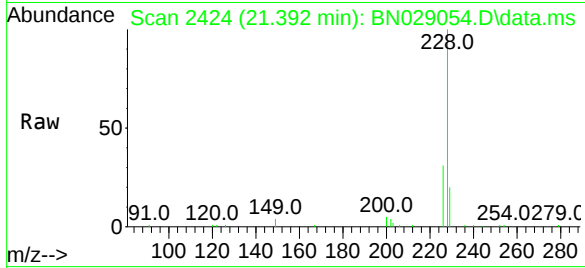
Tgt Ion:228 Resp: 20298

Ion Ratio Lower Upper

228 100

226 30.7 25.4 38.0

229 20.3 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 5.434 ng

RT: 21.284 min Scan# 2412

Delta R.T. 0.009 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

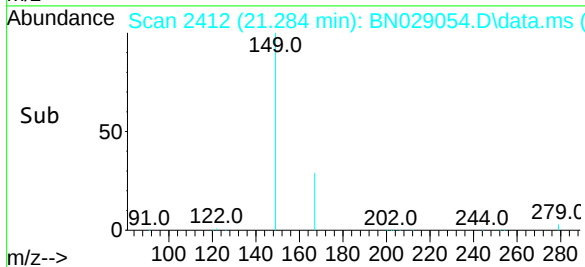
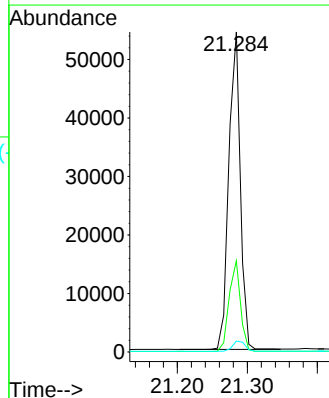
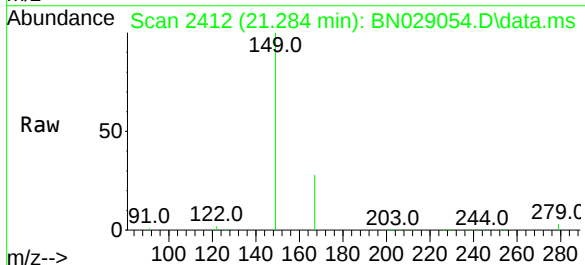
Tgt Ion:149 Resp: 61830

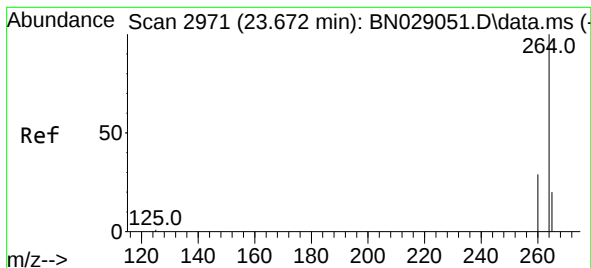
Ion Ratio Lower Upper

149 100

167 28.3 23.4 35.2

279 3.5 3.4 5.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.676 min Scan# 2971

Delta R.T. 0.006 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

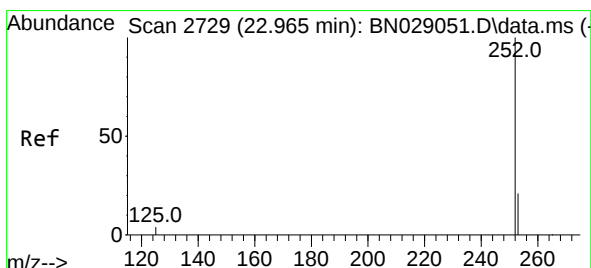
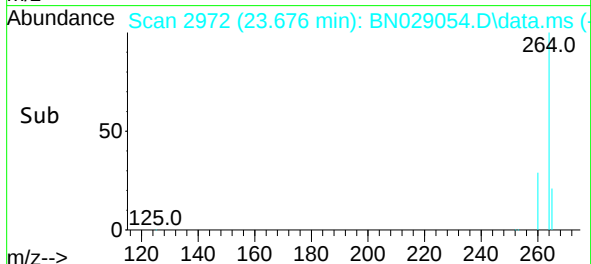
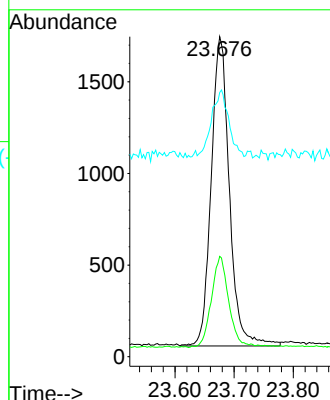
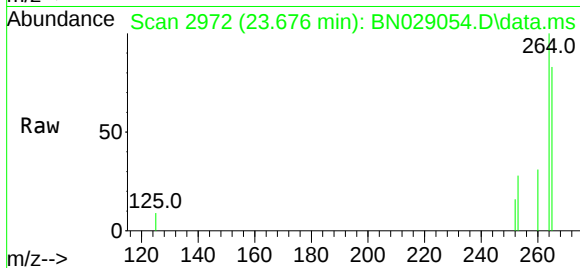
Tgt Ion:264 Resp: 3607

Ion Ratio Lower Upper

264 100

260 31.4 23.9 35.9

265 82.5 52.7 79.1#



#37

Benzo(b)fluoranthene

Concen: 1.919 ng

RT: 22.971 min Scan# 2731

Delta R.T. 0.006 min

Lab File: BN029054.D

Acq: 06 Dec 2023 14:03

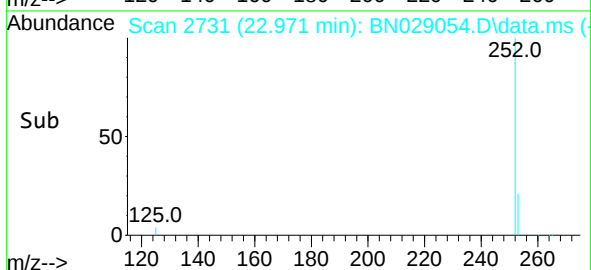
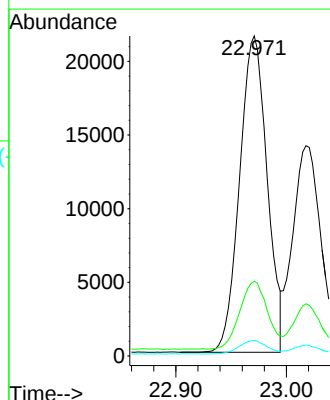
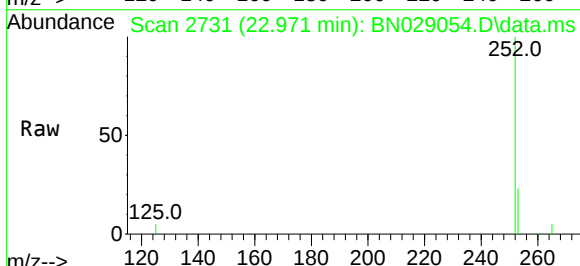
Tgt Ion:252 Resp: 37153

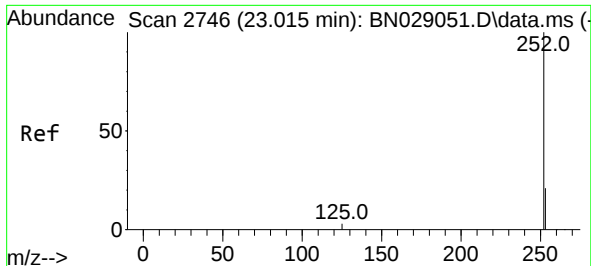
Ion Ratio Lower Upper

252 100

253 23.4 23.0 34.6

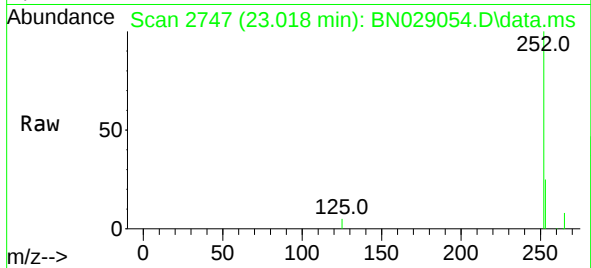
125 4.9 5.4 8.0#



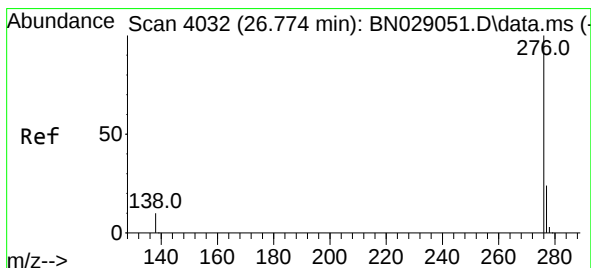
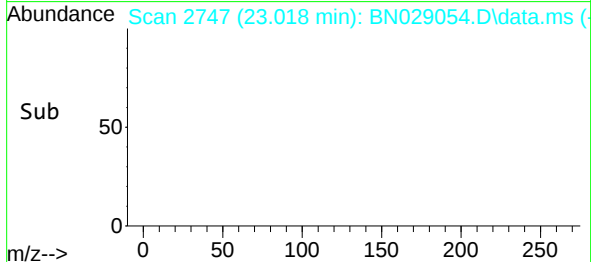
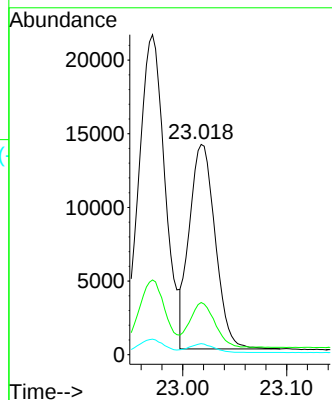


#38
Benzo(k)fluoranthene
Concen: 1.321 ng
RT: 23.018 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD



Tgt Ion:252 Resp: 23976
Ion Ratio Lower Upper
252 100
253 24.8 23.0 34.4
125 5.2 5.0 7.6



#41
Benzo(g,h,i)perylene
Concen: 0.759 ng
RT: 26.778 min Scan# 4033
Delta R.T. 0.009 min
Lab File: BN029054.D
Acq: 06 Dec 2023 14:03

Tgt Ion:276 Resp: 11773
Ion Ratio Lower Upper
276 100
277 24.5 20.3 30.5
138 11.9 9.2 13.8

