

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112522\
 Data File : BN022871.D
 Acq On : 25 Nov 2022 22:48
 Operator : CG/JU
 Sample : N5317-12DL2 100X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

Quant Time: Nov 25 23:18:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 22:56:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

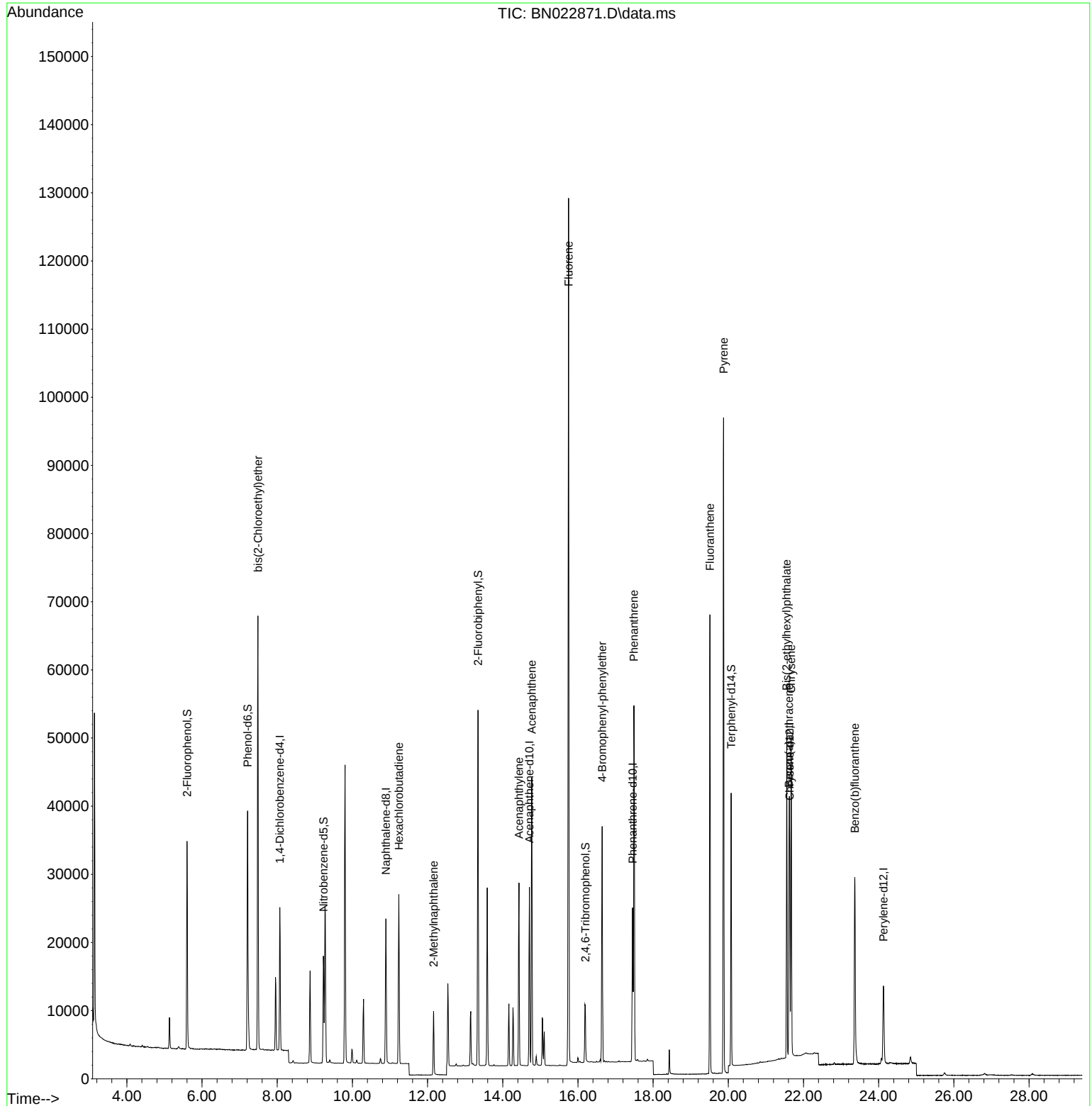
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	9897	0.400	ng	0.00
7) Naphthalene-d8	10.893	136	26855	0.400	ng	0.00
13) Acenaphthene-d10	14.709	164	13863	0.400	ng	0.00
19) Phenanthrene-d10	17.452	188	27584	0.400	ng	0.00
29) Chrysene-d12	21.634	240	19720	0.400	ng	# 0.00
35) Perylene-d12	24.126	264	16984	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.601	112	23843	0.927	ng	0.00
5) Phenol-d6	7.212	99	31568	0.964	ng	0.00
8) Nitrobenzene-d5	9.228	82	12479	0.598	ng	-0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	16.198	330	5706	0.853	ng	0.00
15) 2-Fluorobiphenyl	13.341	172	41527	0.655	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	20.076	244	32256	0.696	ng	0.00
Target Compounds					Qvalue	
6) bis(2-Chloroethyl)ether	7.486	93	43556	1.416	ng	99
10) Hexachlorobutadiene	11.235	225	19033	1.121	ng	# 99
12) 2-Methylnaphthalene	12.159	142	13199	0.782	ng	# 96
16) Acenaphthylene	14.431	152	28095	0.383	ng	100
17) Acenaphthene	14.773	154	20537	0.425	ng	98
18) Fluorene	15.751	166	67018	1.084	ng	100
21) 4-Bromophenyl-phenylether	16.645	248	13337	0.670	ng	# 91
25) Phenanthrene	17.489	178	55470	0.578	ng	100
28) Fluoranthene	19.511	202	58575	0.574	ng	100
30) Pyrene	19.873	202	88174	0.859	ng	97
32) Benzo(a)anthracene	21.616	228	29116	0.365	ng	99
33) Chrysene	21.670	228	41419	0.501	ng	98
34) Bis(2-ethylhexyl)phtha...	21.553	149	41148	1.286	ng	99
37) Benzo(b)fluoranthene	23.366	252	39414	0.520	ng	99

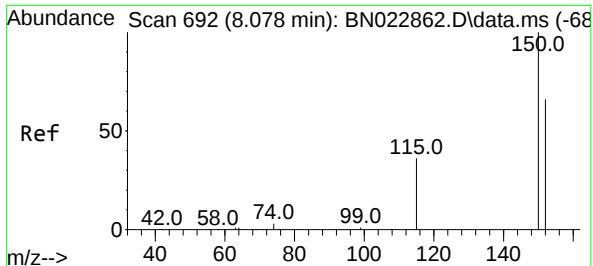
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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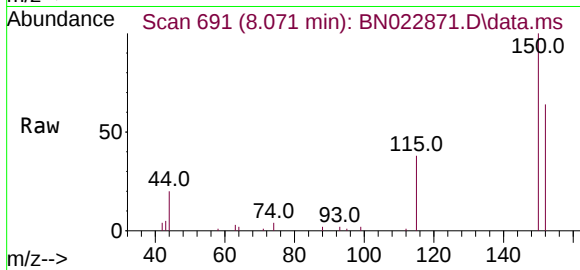
Quant Time: Nov 25 23:18:23 2022
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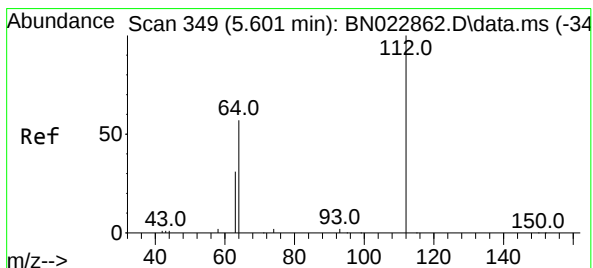
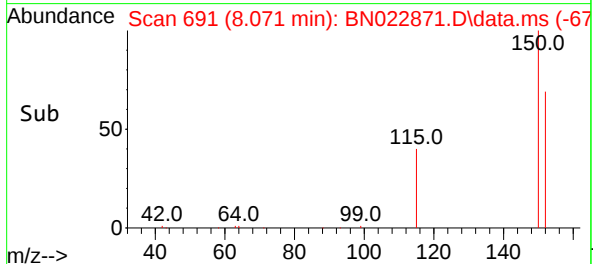
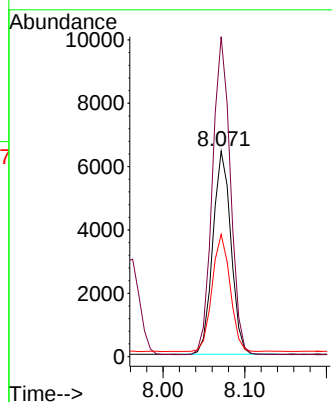


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.071 min Scan# 692
Delta R.T. -0.007 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

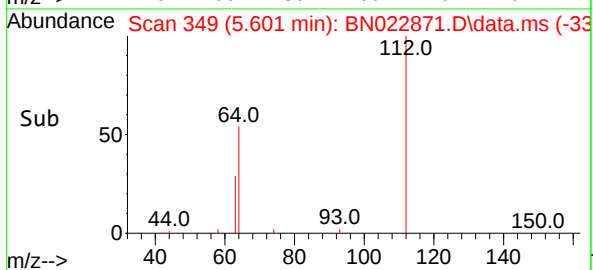
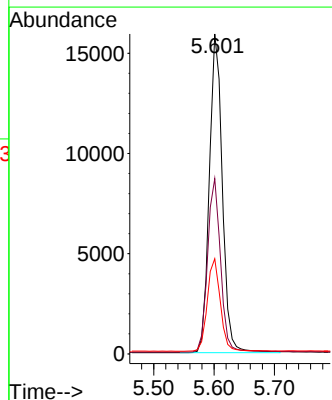
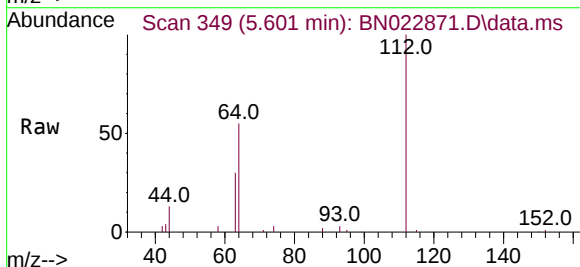


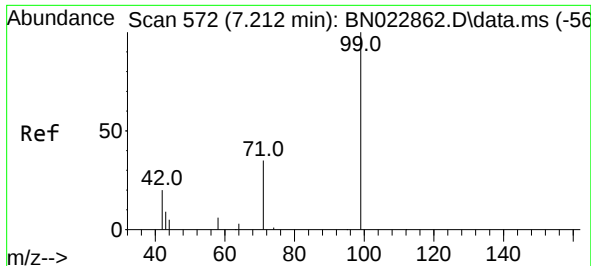
Tgt Ion:152 Resp: 9897
Ion Ratio Lower Upper
152 100
150 155.9 121.2 181.8
115 59.5 46.2 69.4



#4
2-Fluorophenol
Concen: 0.927 ng
RT: 5.601 min Scan# 349
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion:112 Resp: 23843
Ion Ratio Lower Upper
112 100
64 54.4 43.4 65.2
63 29.1 23.4 35.2

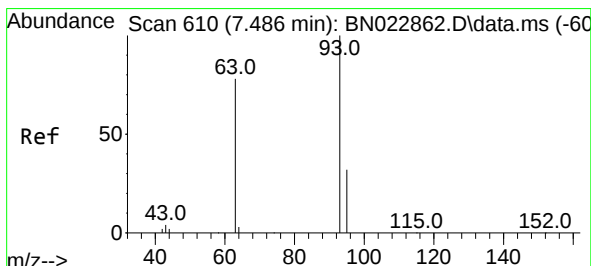
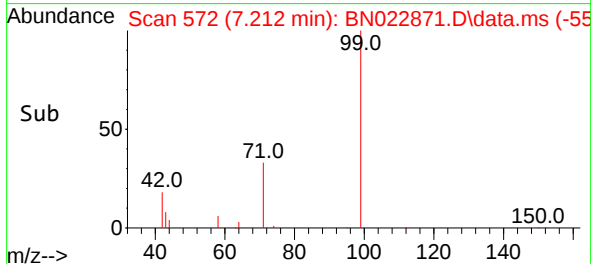
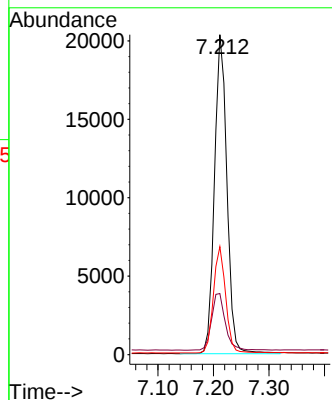
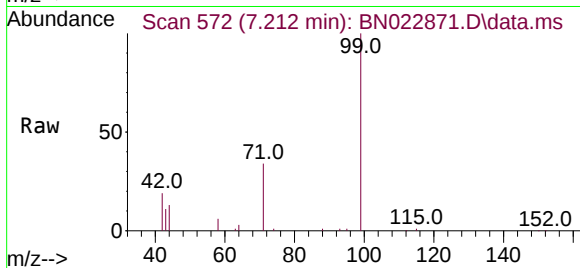




#5
Phenol-d6
Concen: 0.964 ng
RT: 7.212 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

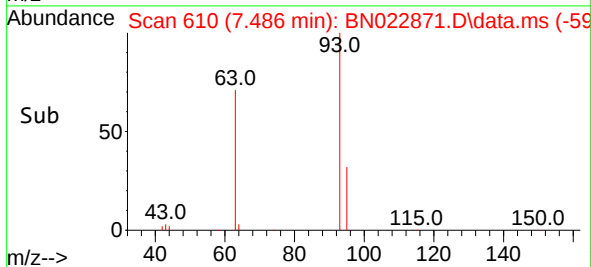
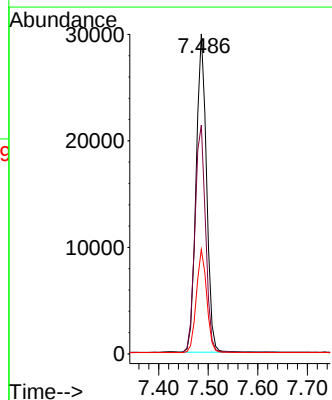
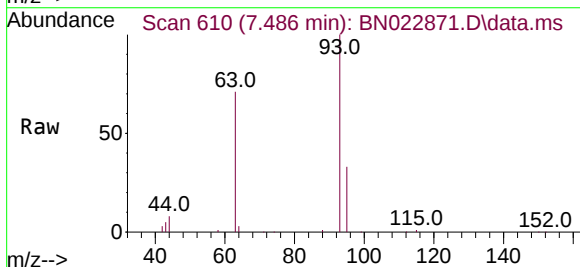
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

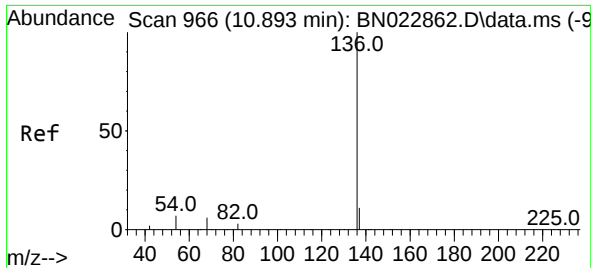
Tgt Ion:	99	Resp:	31568
Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.0	24.0
71	32.9	26.8	40.2



#6
bis(2-Chloroethyl)ether
Concen: 1.416 ng
RT: 7.486 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion:	93	Resp:	43556
Ion	Ratio	Lower	Upper
93	100		
63	73.5	58.3	87.5
95	32.3	25.8	38.6

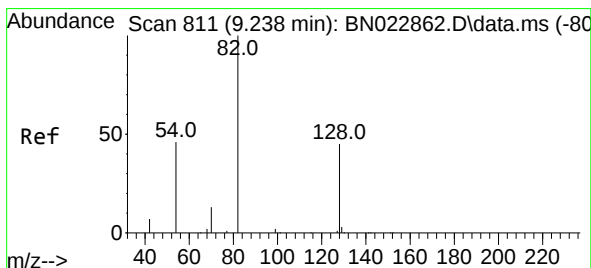
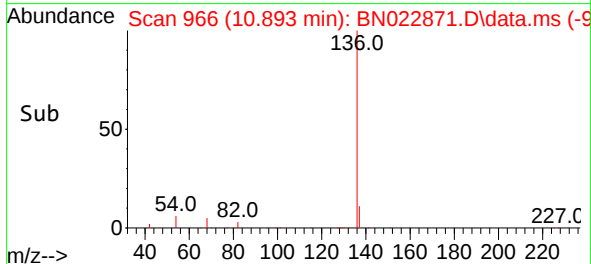
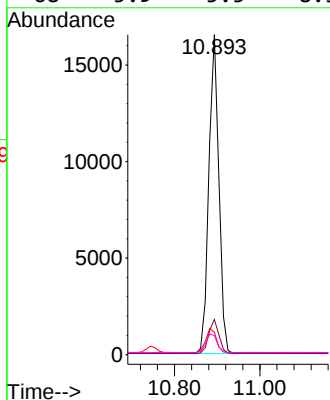
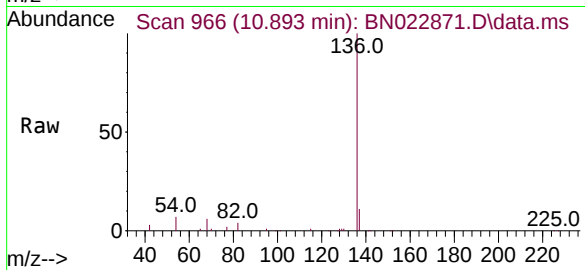




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.893 min Scan# 90
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

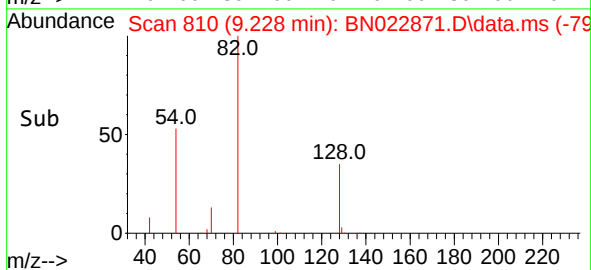
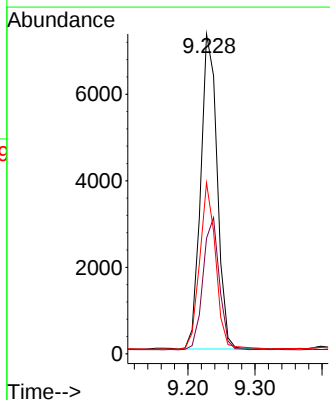
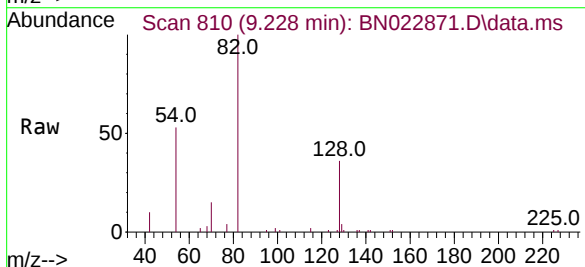
Instrument :
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PT-BNA-SOILDL2

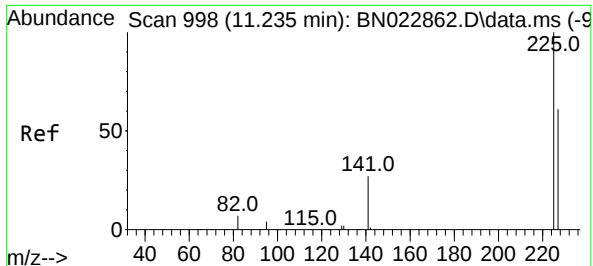
Tgt Ion:	136	Resp:	26855
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.0	6.6	9.8
68	5.9	5.5	8.3



#8
Nitrobenzene-d5
Concen: 0.598 ng
RT: 9.228 min Scan# 810
Delta R.T. -0.011 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion:	82	Resp:	12479
Ion Ratio	Lower	Upper	
82	100		
128	36.1	36.6	54.8#
54	53.5	38.5	57.7

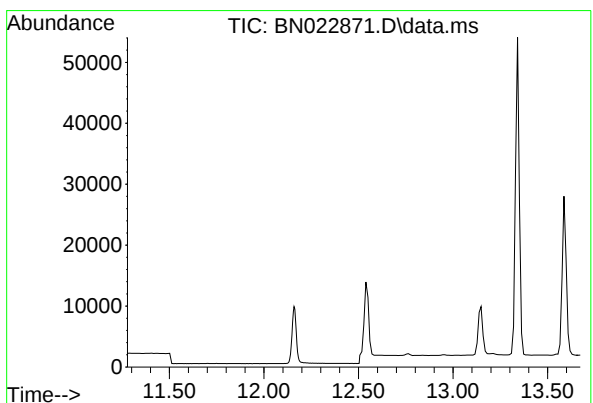
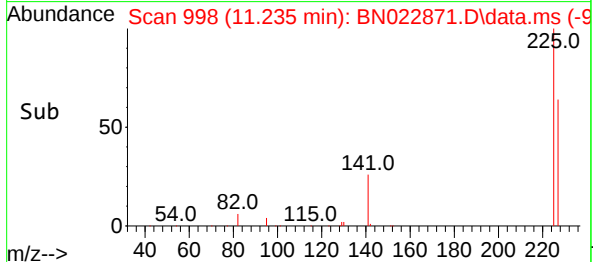
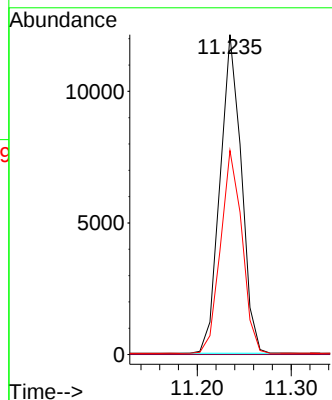
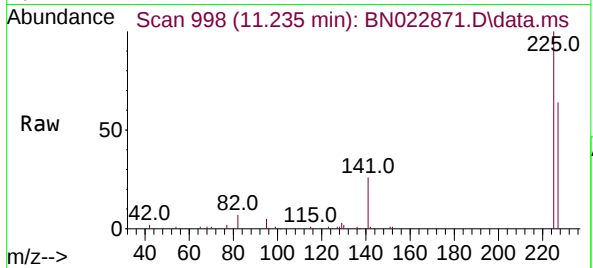




#10
Hexachlorobutadiene
Concen: 1.121 ng
RT: 11.235 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

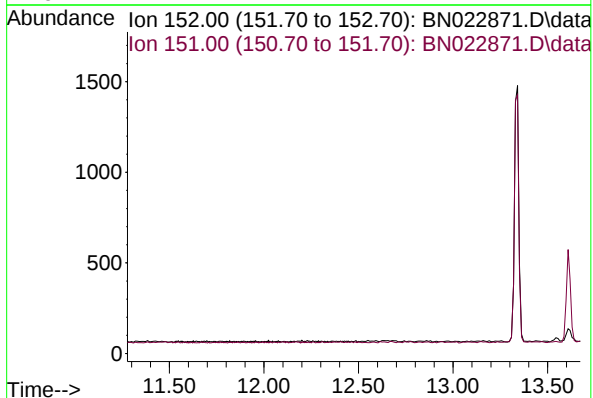
Tgt Ion:225 Resp: 19033
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 50.8 76.2

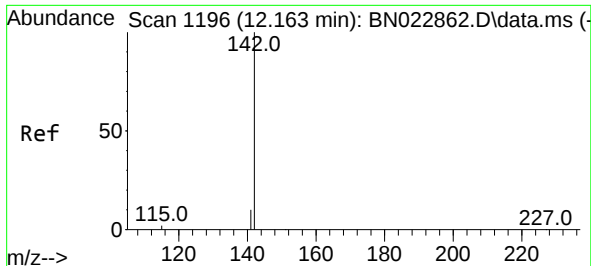


#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.48 min

Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion: 152
Sig Exp Ratio
152 100
151 23.2

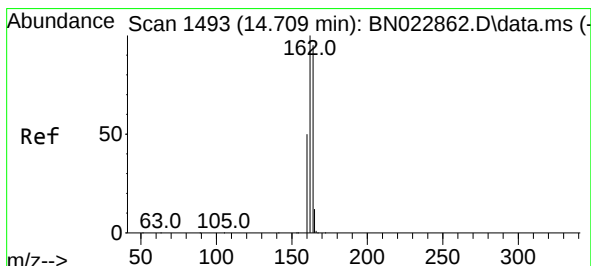
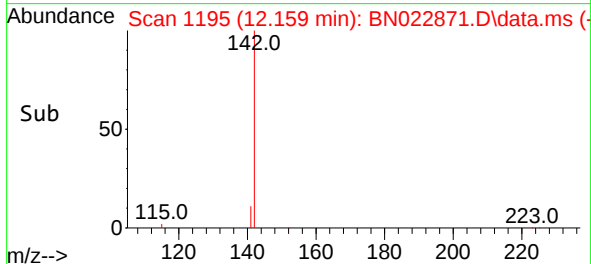
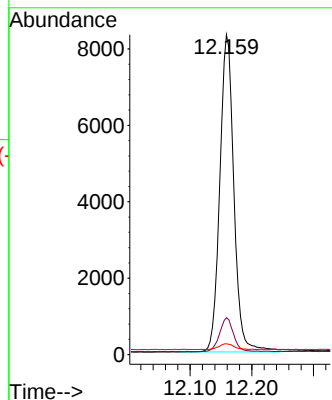
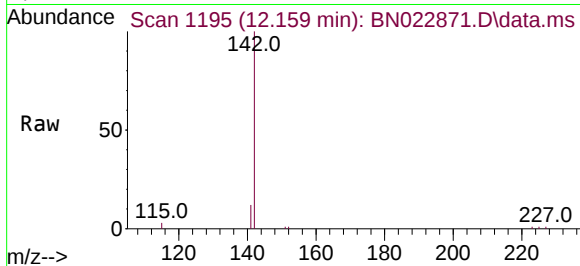




#12
2-Methylnaphthalene
Concen: 0.782 ng
RT: 12.159 min Scan# 1195
Delta R.T. -0.004 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

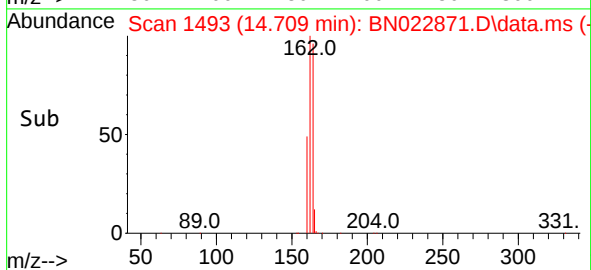
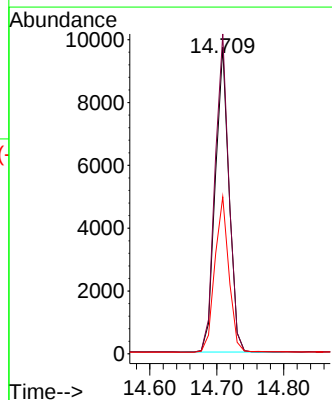
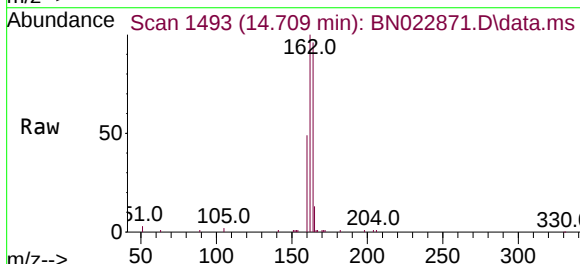
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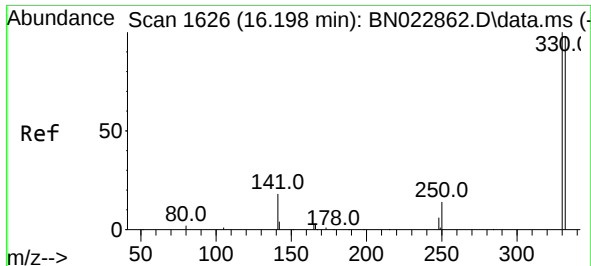
Tgt Ion:142 Resp: 13199
Ion Ratio Lower Upper
142 100
141 11.5 10.1 15.1
115 3.4 4.6 7.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.709 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion:164 Resp: 13863
Ion Ratio Lower Upper
164 100
162 104.4 84.2 126.4
160 51.2 42.5 63.7

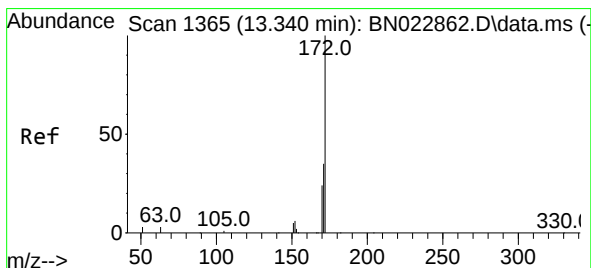
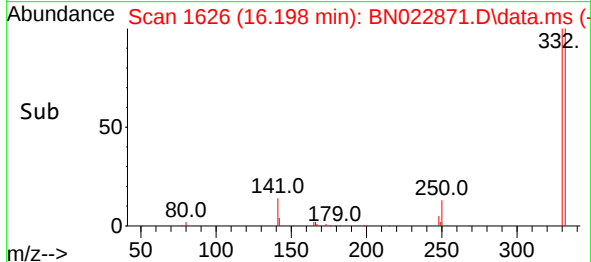
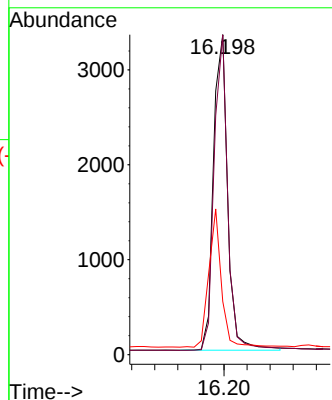
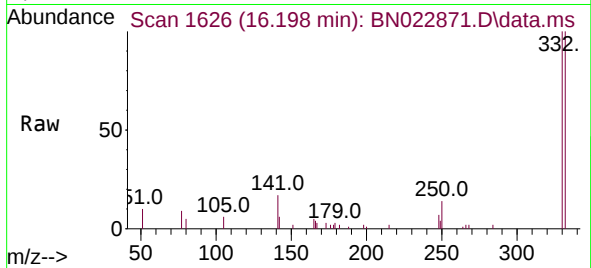




#14
 2,4,6-Tribromophenol
 Concen: 0.853 ng
 RT: 16.198 min Scan# 1626
 Delta R.T. 0.000 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

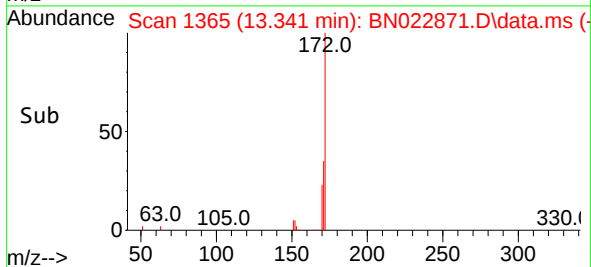
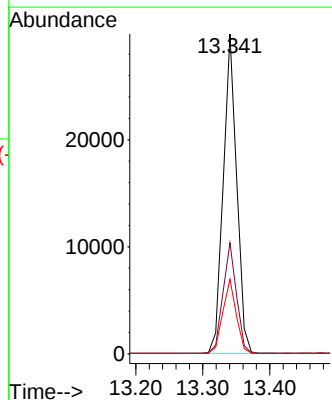
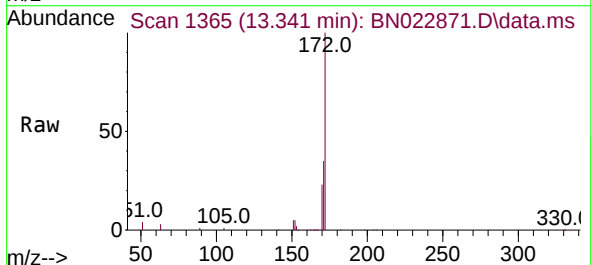
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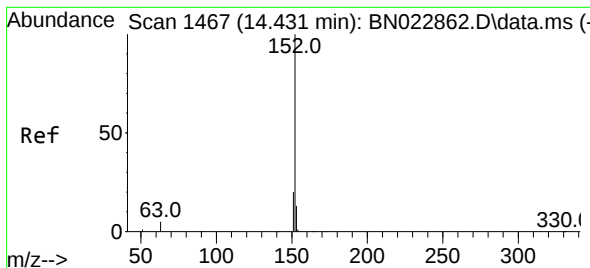
Tgt Ion: 330 Resp: 5706
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.5 114.7
 141 38.8 32.6 48.8



#15
 2-Fluorobiphenyl
 Concen: 0.655 ng
 RT: 13.341 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Tgt Ion: 172 Resp: 41527
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.2 42.4
 170 23.3 19.3 28.9





#16

Acenaphthylene

Concen: 0.383 ng

RT: 14.431 min Scan# 1467

Delta R.T. 0.000 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2

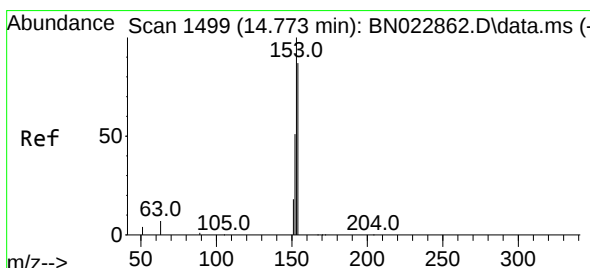
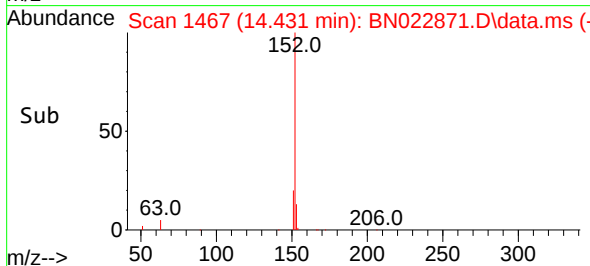
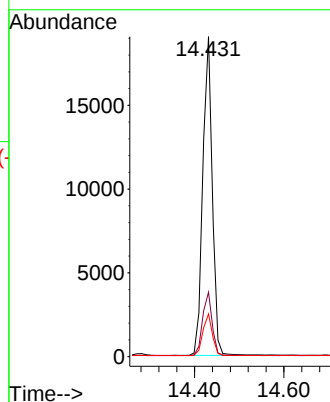
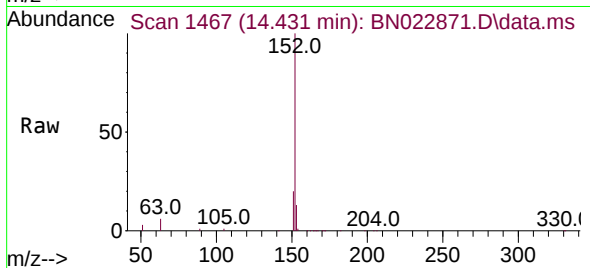
Tgt Ion:152 Resp: 28095

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

153 13.0 10.5 15.7



#17

Acenaphthene

Concen: 0.425 ng

RT: 14.773 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

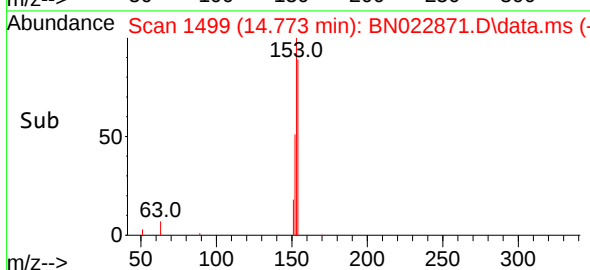
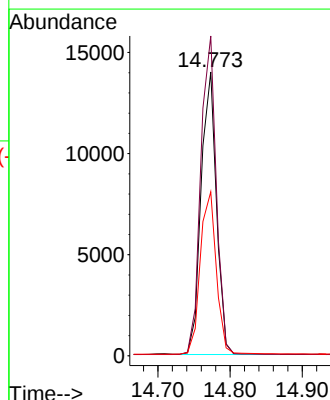
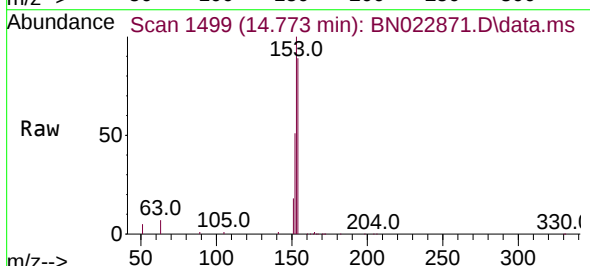
Tgt Ion:154 Resp: 20537

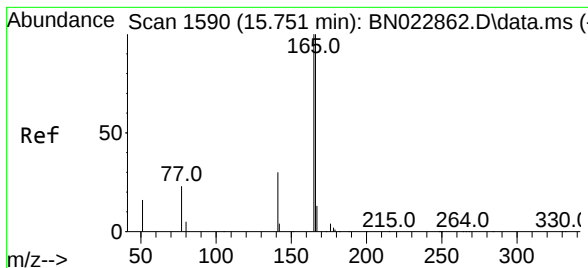
Ion Ratio Lower Upper

154 100

153 114.3 90.0 135.0

152 60.4 47.0 70.6





#18

Fluorene

Concen: 1.084 ng

RT: 15.751 min Scan# 1590

Delta R.T. 0.000 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2

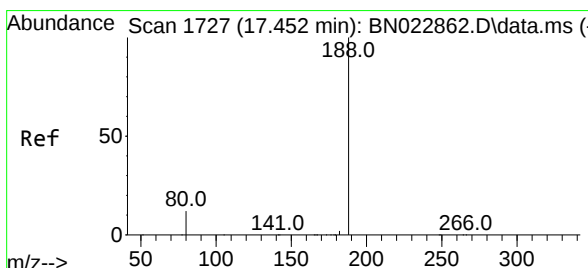
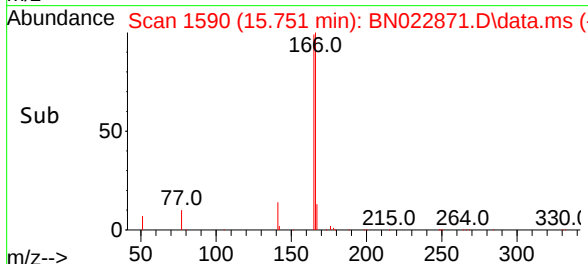
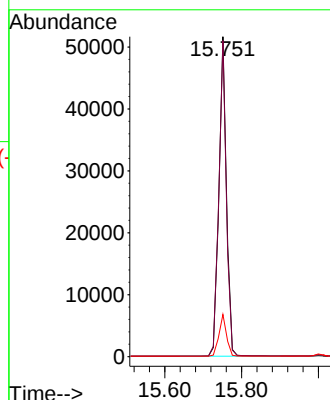
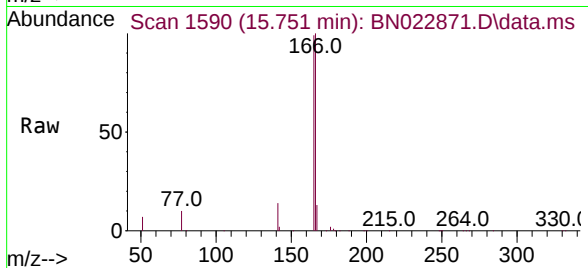
Tgt Ion:166 Resp: 67018

Ion Ratio Lower Upper

166 100

165 99.4 79.4 119.0

167 13.5 10.7 16.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.452 min Scan# 1727

Delta R.T. 0.000 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

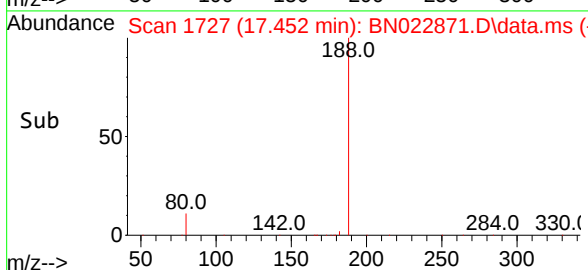
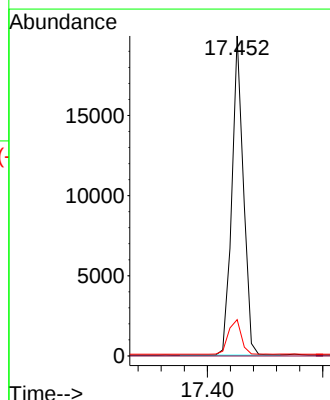
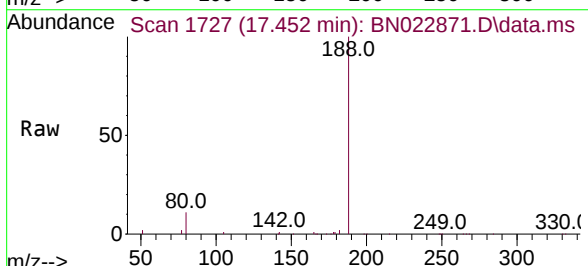
Tgt Ion:188 Resp: 27584

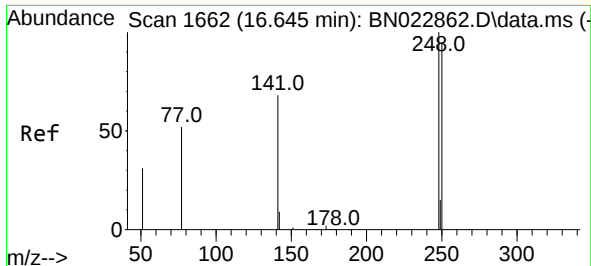
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 10.3 15.5

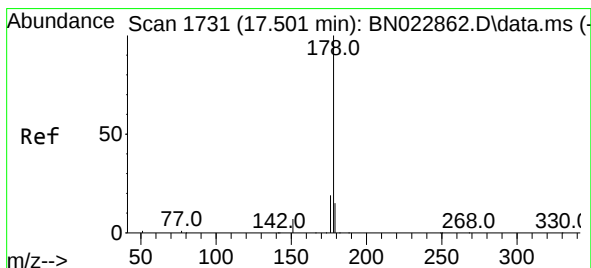
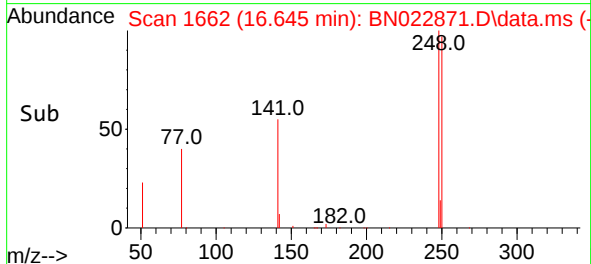
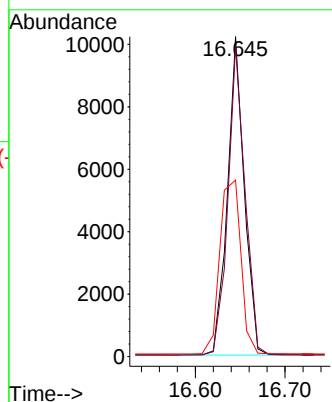
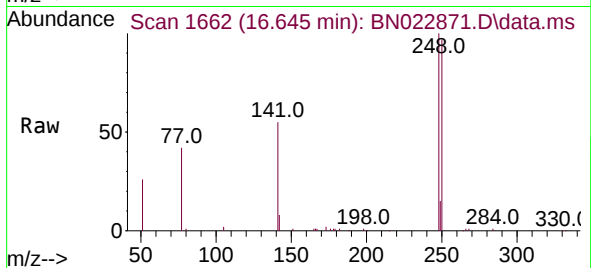




#21
4-Bromophenyl-phenylether
Concen: 0.670 ng
RT: 16.645 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

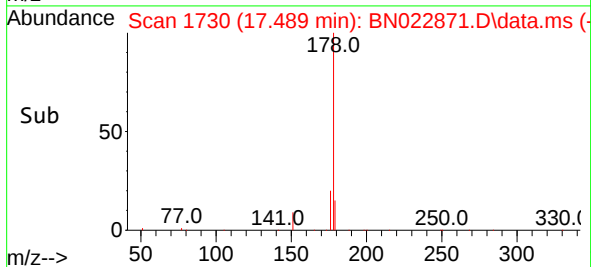
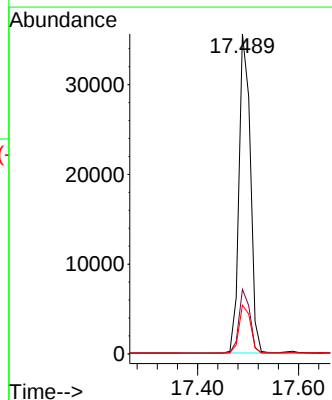
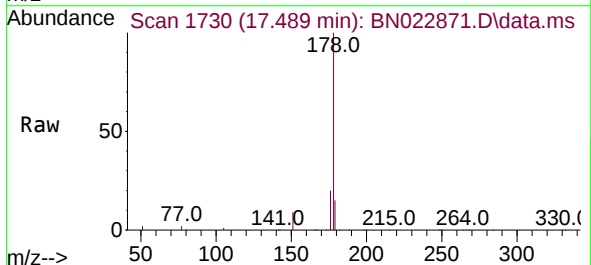
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL2

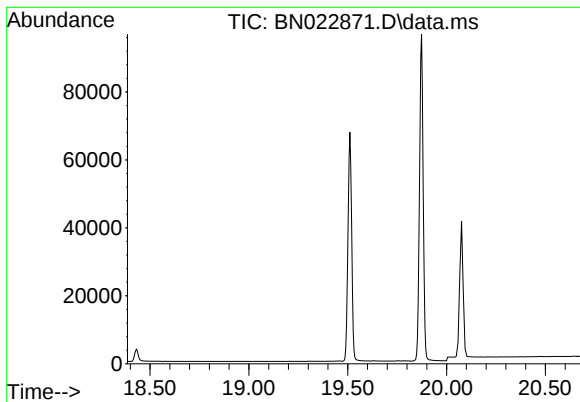
Tgt Ion:248 Resp: 13337
Ion Ratio Lower Upper
248 100
250 96.9 75.8 113.6
141 55.2 55.4 83.0#



#25
Phenanthrene
Concen: 0.578 ng
RT: 17.489 min Scan# 1730
Delta R.T. -0.012 min
Lab File: BN022871.D
Acq: 25 Nov 2022 22:48

Tgt Ion:178 Resp: 55470
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.2 12.2 18.2



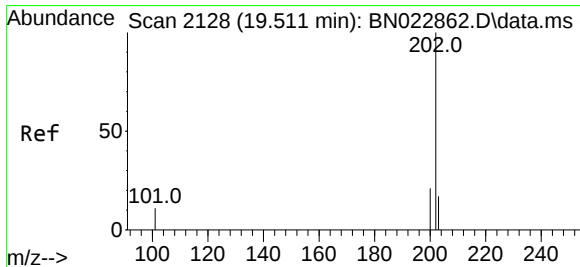
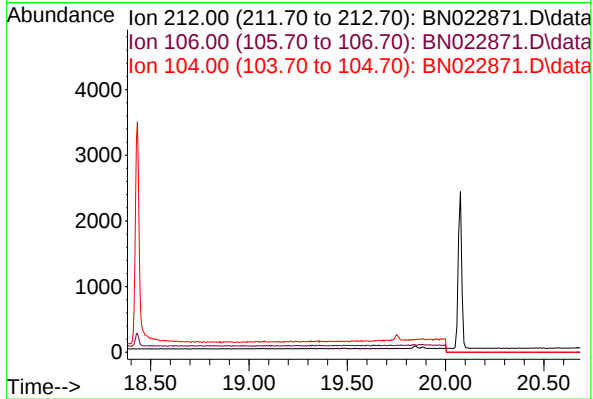


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.48 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

Tgt Ion: 212

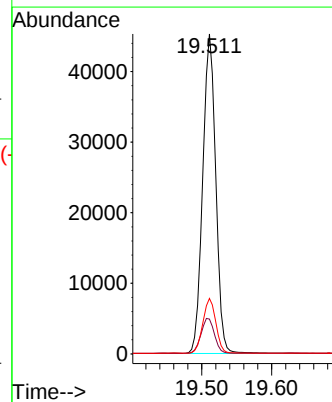
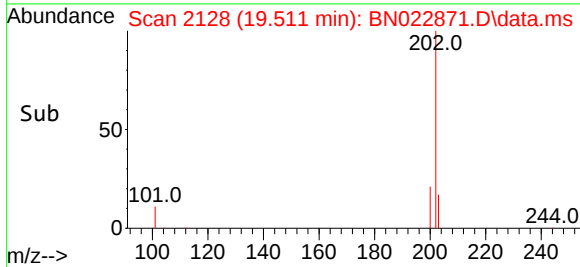
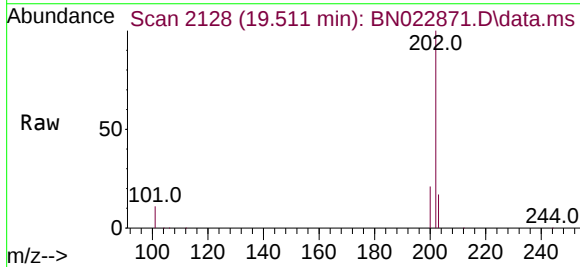
Sig	Exp Ratio
212	100
106	15.4
104	8.7

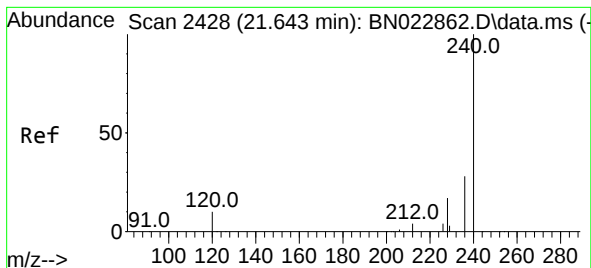


#28
 Fluoranthene
 Concen: 0.574 ng
 RT: 19.511 min Scan# 2128
 Delta R.T. 0.000 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Tgt Ion: 202 Resp: 58575

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.3	13.9
203	17.1	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.634 min Scan# 2428

Delta R.T. -0.009 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2

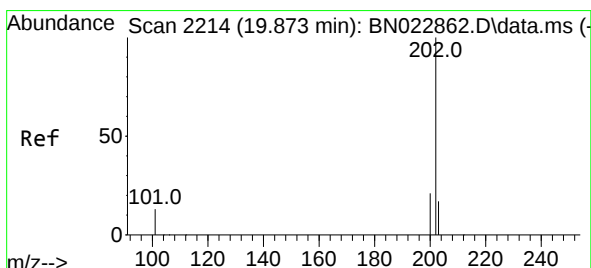
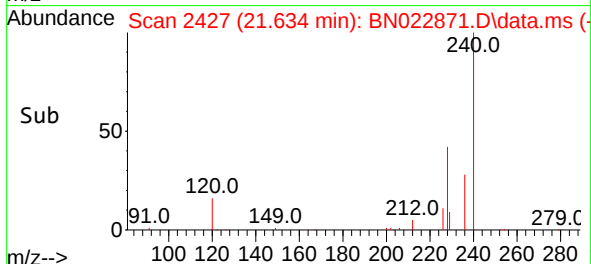
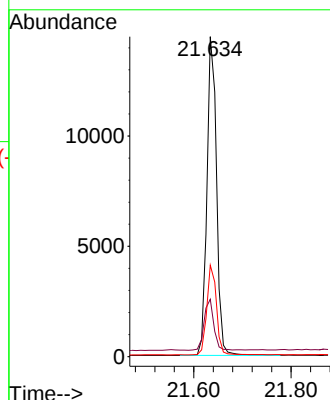
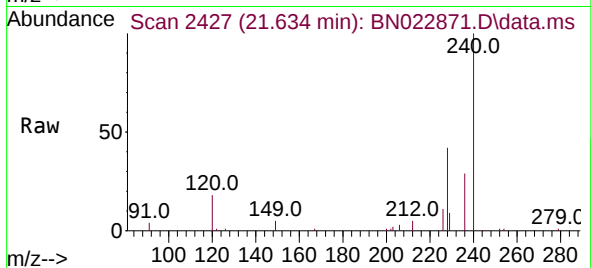
Tgt Ion:240 Resp: 19720

Ion Ratio Lower Upper

240 100

120 17.9 9.2 13.8#

236 28.6 22.6 34.0



#30

Pyrene

Concen: 0.859 ng

RT: 19.873 min Scan# 2214

Delta R.T. 0.000 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

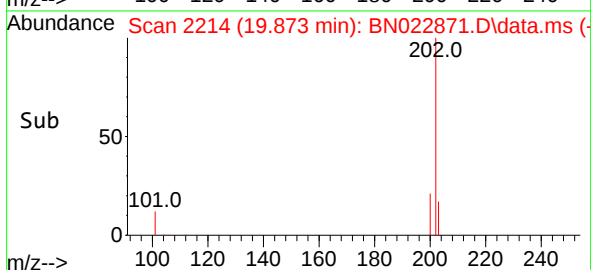
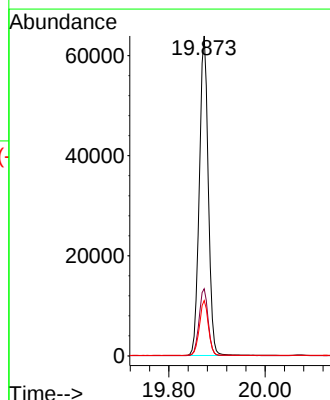
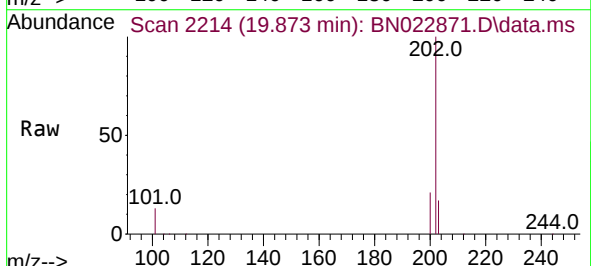
Tgt Ion:202 Resp: 88174

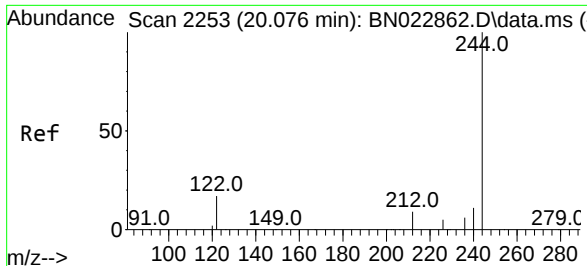
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

203 16.1 14.2 21.2

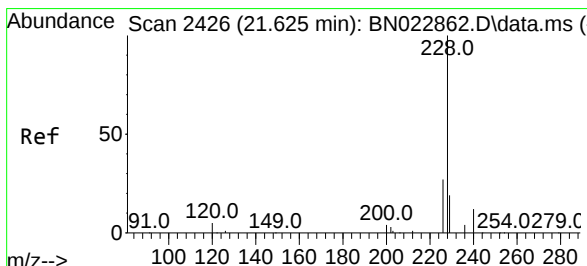
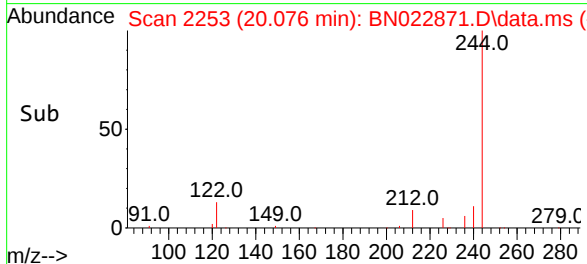
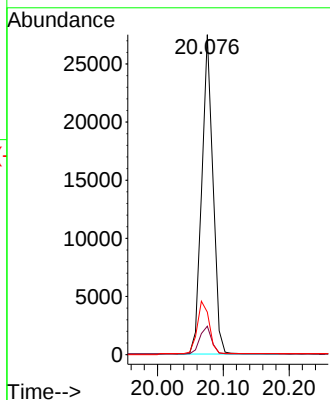
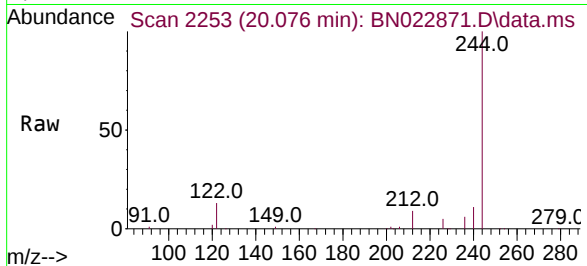




#31
 Terphenyl-d14
 Concen: 0.696 ng
 RT: 20.076 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

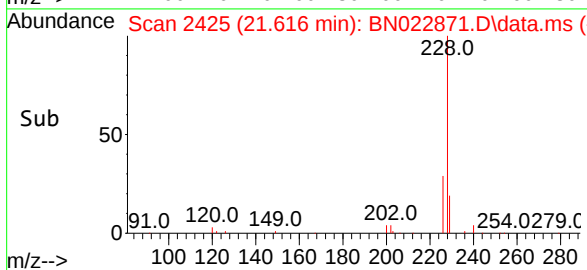
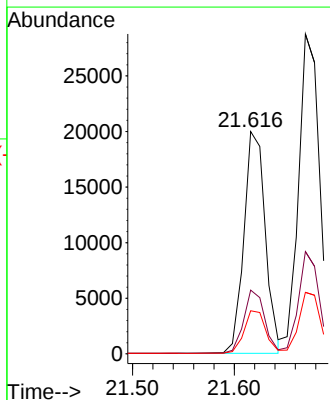
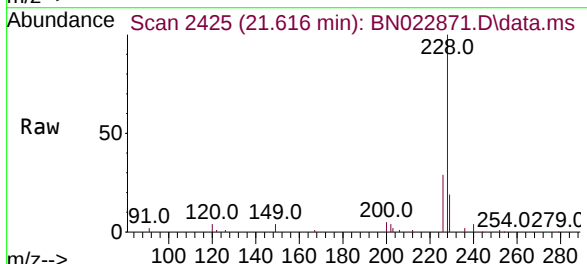
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

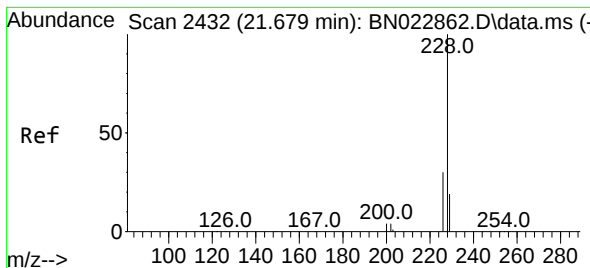
Tgt Ion:244 Resp: 32256
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.9 11.9
 122 13.3 13.9 20.9#



#32
 Benzo(a)anthracene
 Concen: 0.365 ng
 RT: 21.616 min Scan# 2425
 Delta R.T. -0.009 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Tgt Ion:228 Resp: 29116
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.1 33.1
 229 19.4 15.8 23.6





#33

Chrysene

Concen: 0.501 ng

RT: 21.670 min Scan# 2432

Delta R.T. -0.009 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL2

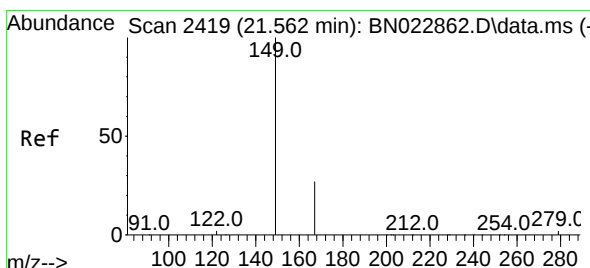
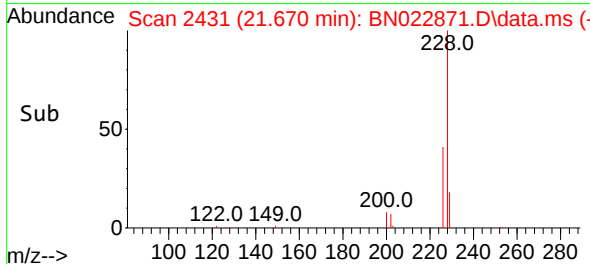
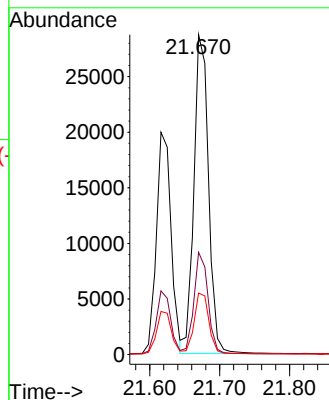
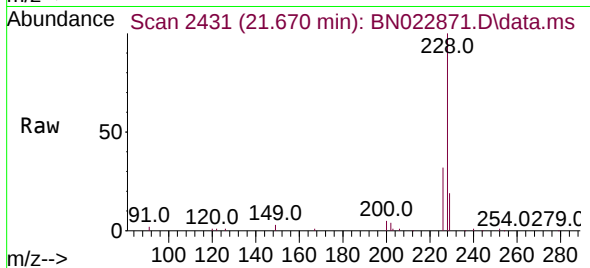
Tgt Ion:228 Resp: 41419

Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

229 19.2 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.286 ng

RT: 21.553 min Scan# 2418

Delta R.T. -0.009 min

Lab File: BN022871.D

Acq: 25 Nov 2022 22:48

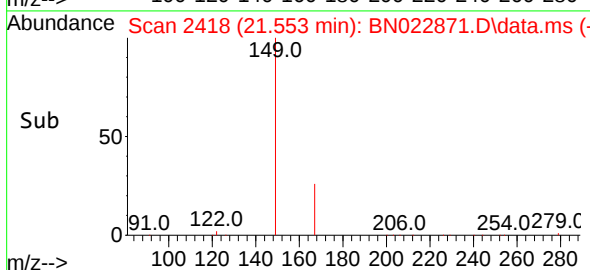
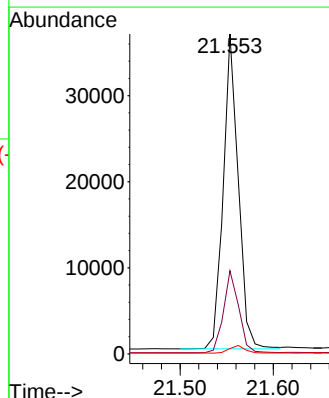
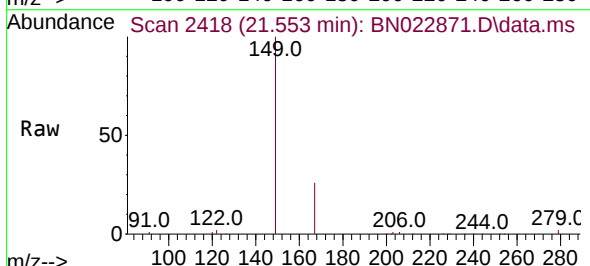
Tgt Ion:149 Resp: 41148

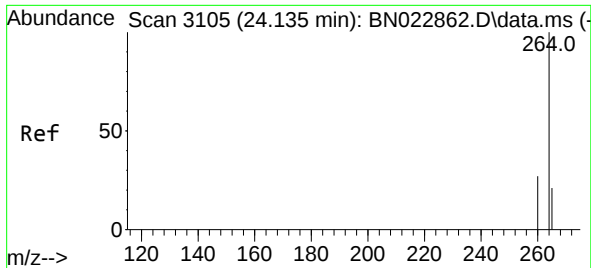
Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

279 2.6 2.3 3.5

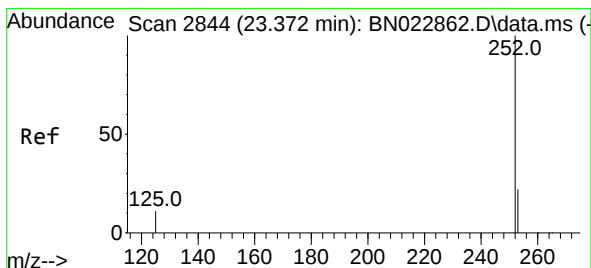
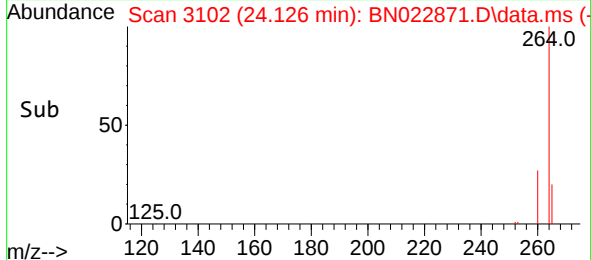
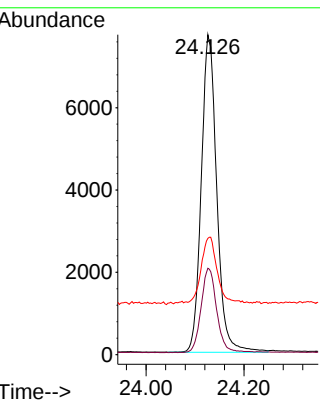
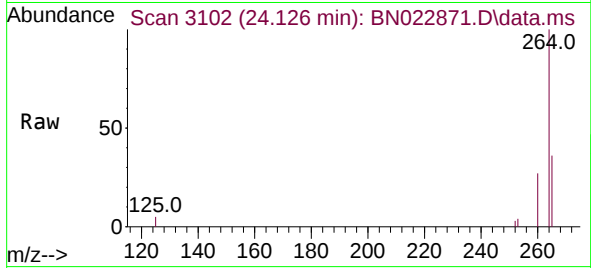




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.126 min Scan# 31
 Delta R.T. -0.009 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILDL2

Tgt Ion:264 Resp: 16984
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.7 32.5
 265 36.3 31.0 46.4



#37
 Benzo(b)fluoranthene
 Concen: 0.520 ng
 RT: 23.366 min Scan# 2842
 Delta R.T. -0.006 min
 Lab File: BN022871.D
 Acq: 25 Nov 2022 22:48

Tgt Ion:252 Resp: 39414
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.5 27.7
 125 13.1 10.8 16.2

