

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112522\
 Data File : BN022870.D
 Acq On : 25 Nov 2022 22:11
 Operator : CG/JU
 Sample : N5317-12DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Quant Time: Nov 25 23:18:02 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

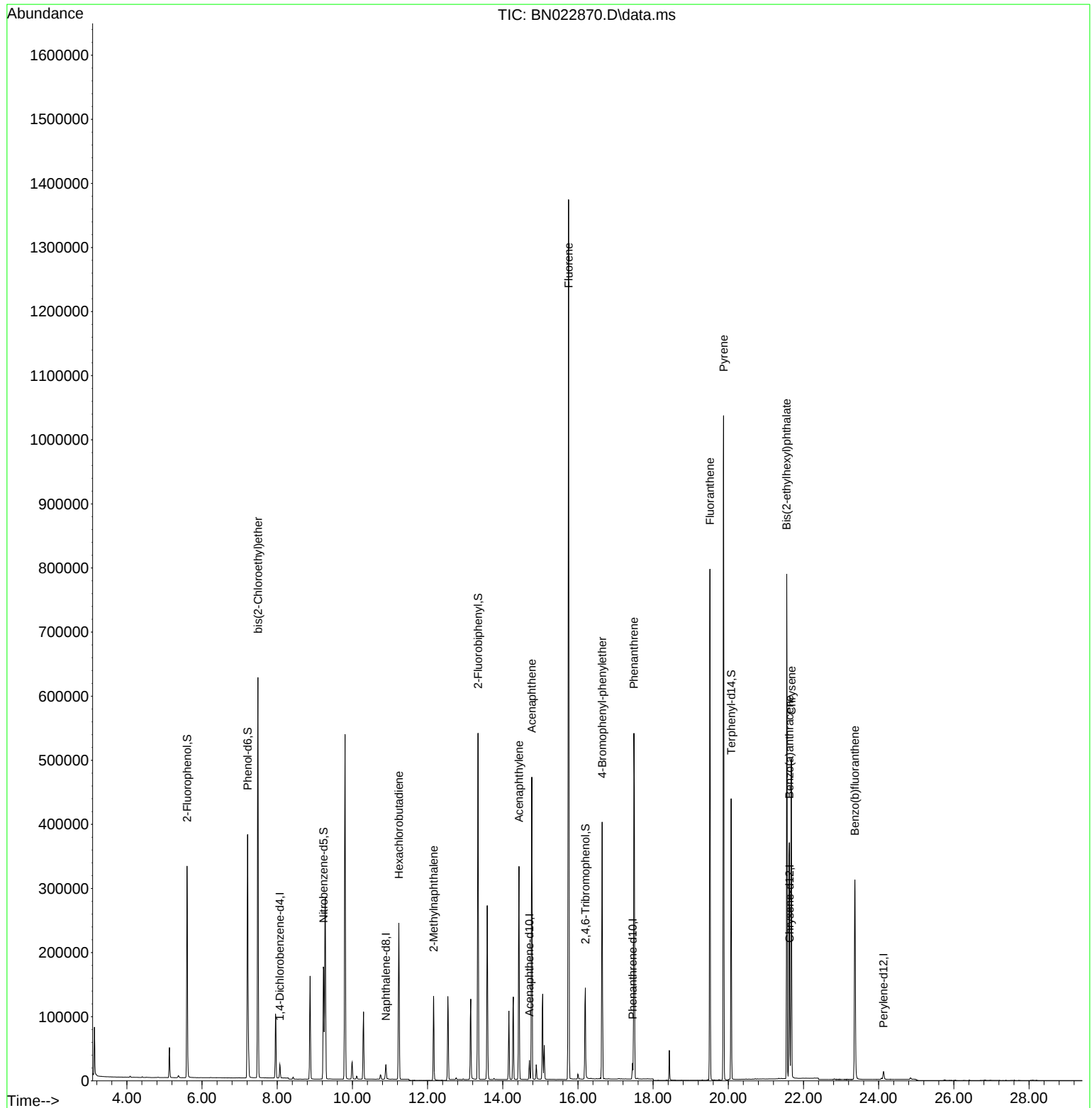
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	9771	0.400	ng	0.00
7) Naphthalene-d8	10.893	136	28328	0.400	ng	0.00
13) Acenaphthene-d10	14.709	164	15238	0.400	ng	0.00
19) Phenanthrene-d10	17.452	188	30157	0.400	ng	0.00
29) Chrysene-d12	21.634	240	21207	0.400	ng	# 0.00
35) Perylene-d12	24.129	264	17874	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.601	112	250657	9.873	ng	0.00
5) Phenol-d6	7.212	99	335045	10.360	ng	0.00
8) Nitrobenzene-d5	9.228	82	143675	6.529	ng	-0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	16.198	330	85211	11.582	ng	0.00
15) 2-Fluorobiphenyl	13.340	172	436814	6.266	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	20.076	244	306633	6.155	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.486	93	423138	13.933	ng	Qvalue 100
10) Hexachlorobutadiene	11.235	225	189871	10.602	ng	# 100
12) 2-Methylnaphthalene	12.159	142	175772	9.874	ng	# 93
16) Acenaphthylene	14.431	152	342539	4.246	ng	99
17) Acenaphthene	14.773	154	225392	4.246	ng	98
18) Fluorene	15.751	166	741661	10.909	ng	98
21) 4-Bromophenyl-phenylether	16.645	248	149100	6.849	ng	92
25) Phenanthrene	17.489	178	592102	5.647	ng	100
28) Fluoranthene	19.511	202	653203	5.858	ng	99
30) Pyrene	19.873	202	936461	8.482	ng	97
32) Benzo(a)anthracene	21.625	228	333940	3.897	ng	100
33) Chrysene	21.679	228	432840	4.870	ng	99
34) Bis(2-ethylhexyl)phtha...	21.553	149	681193	19.793	ng	99
37) Benzo(b)fluoranthene	23.369	252	419366	5.256	ng	96

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

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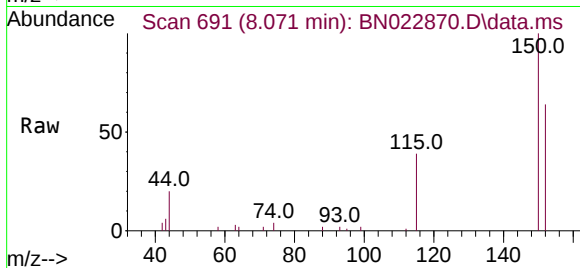
Quant Time: Nov 25 23:18:02 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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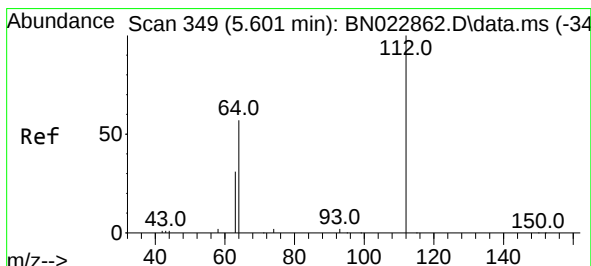
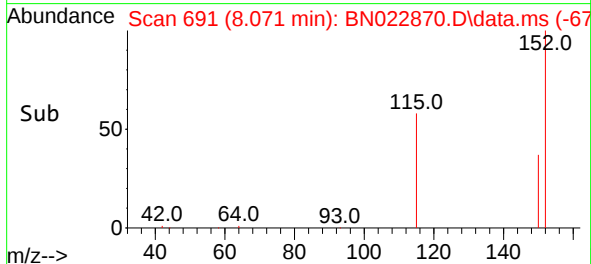
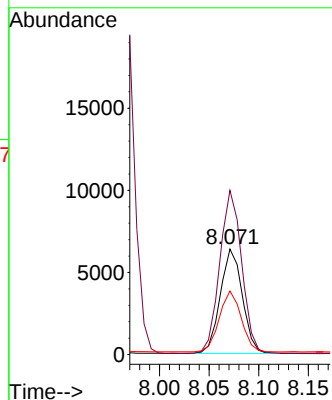


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.071 min Scan# 691
Delta R.T. -0.007 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

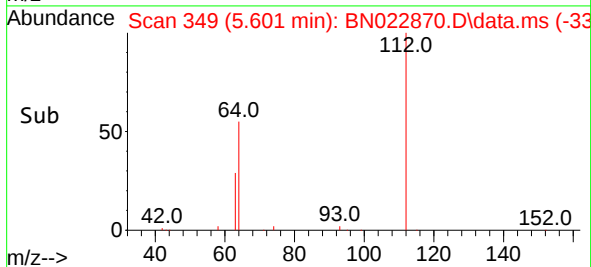
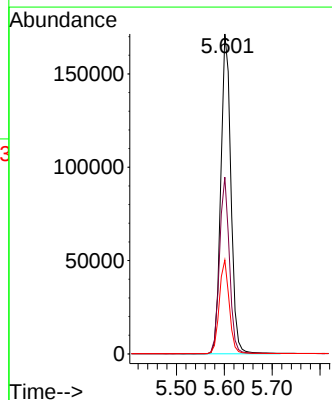
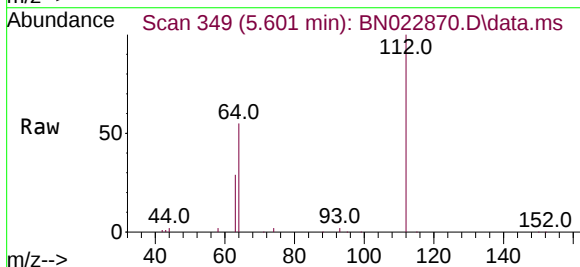


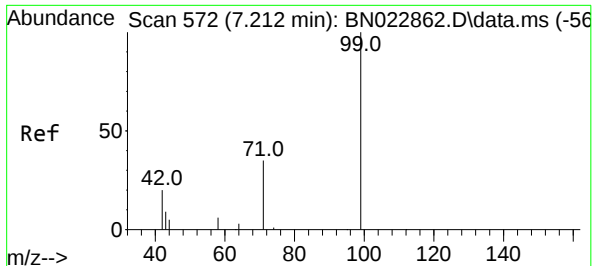
Tgt Ion:152 Resp: 9771
Ion Ratio Lower Upper
152 100
150 155.6 121.2 181.8
115 60.3 46.2 69.4



#4
2-Fluorophenol
Concen: 9.873 ng
RT: 5.601 min Scan# 349
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

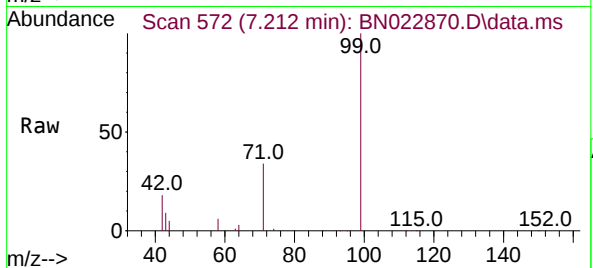
Tgt Ion:112 Resp: 250657
Ion Ratio Lower Upper
112 100
64 54.2 43.4 65.2
63 28.8 23.4 35.2



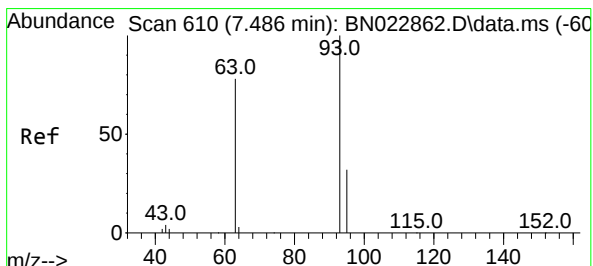
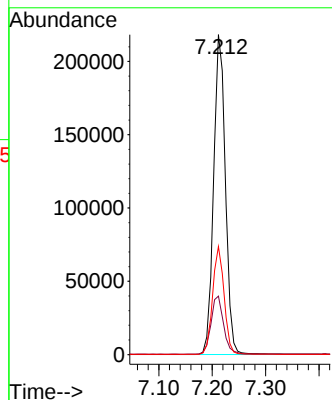
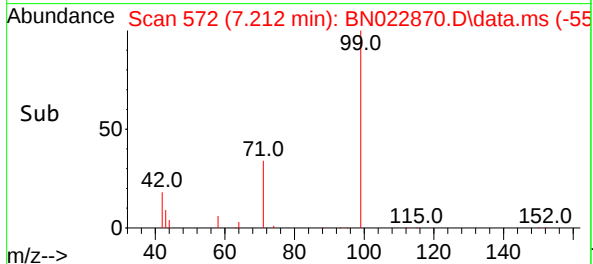


#5
Phenol-d6
Concen: 10.360 ng
RT: 7.212 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

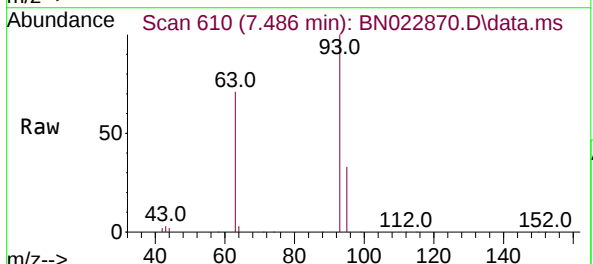
Instrument :
BNA_N
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PT-BNA-SOILD



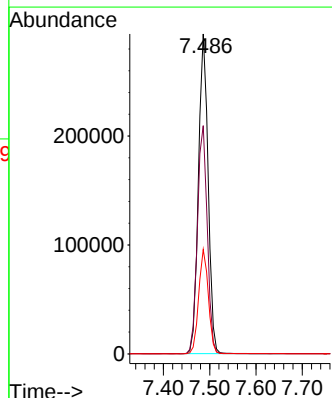
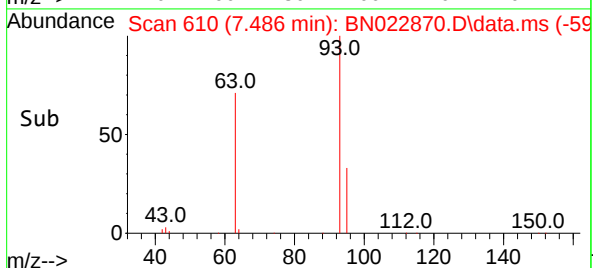
Tgt Ion: 99 Resp: 335045
Ion Ratio Lower Upper
99 100
42 19.3 16.0 24.0
71 33.0 26.8 40.2

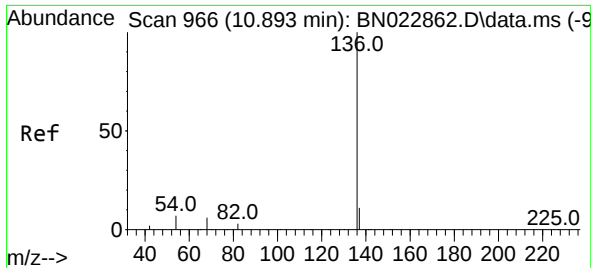


#6
bis(2-Chloroethyl)ether
Concen: 13.933 ng
RT: 7.486 min Scan# 610
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11



Tgt Ion: 93 Resp: 423138
Ion Ratio Lower Upper
93 100
63 72.9 58.3 87.5
95 32.6 25.8 38.6

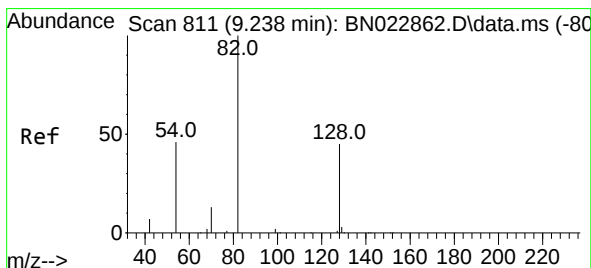
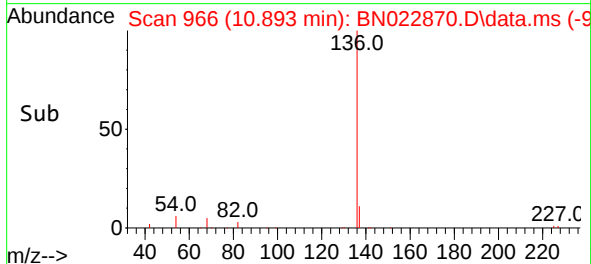
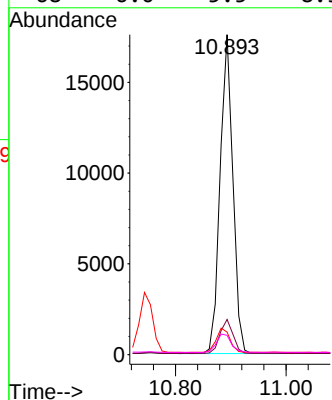
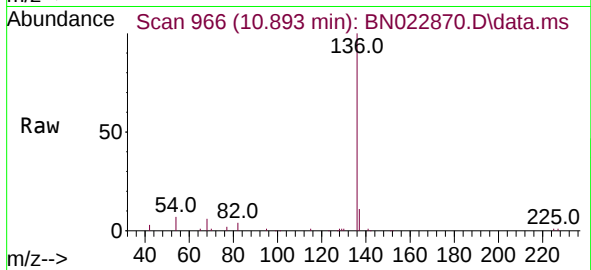




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.893 min Scan# 966
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

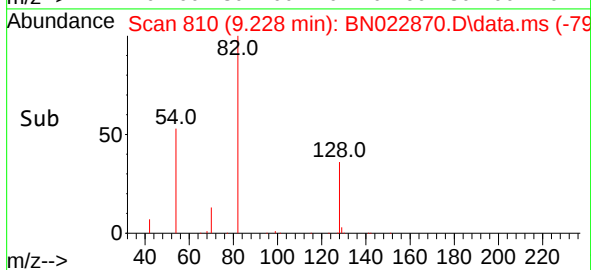
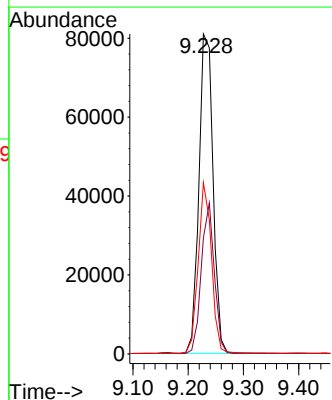
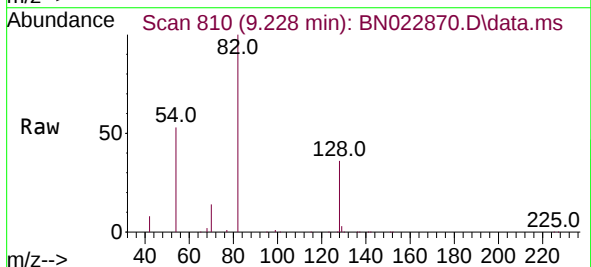
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

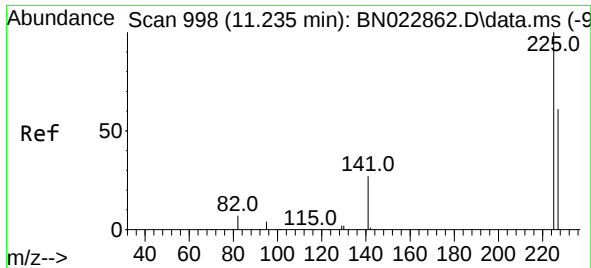
Tgt Ion:	136	Resp:	28328
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.0	6.6	9.8
68	6.0	5.5	8.3



#8
Nitrobenzene-d5
Concen: 6.529 ng
RT: 9.228 min Scan# 810
Delta R.T. -0.011 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Tgt Ion:	82	Resp:	143675
Ion Ratio	Lower	Upper	
82	100		
128	36.2	36.6	54.8#
54	53.5	38.5	57.7

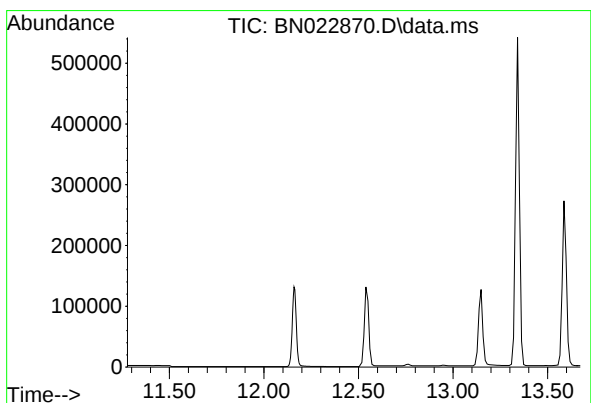
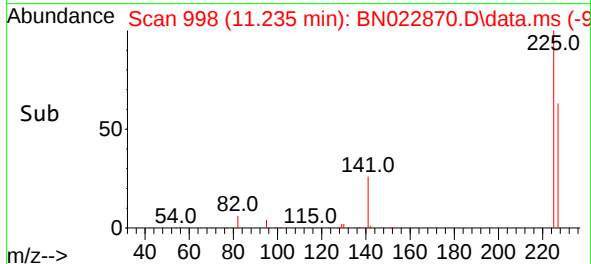
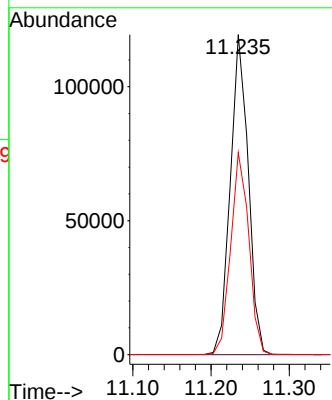
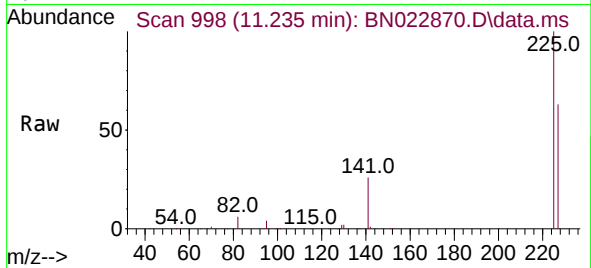




#10
Hexachlorobutadiene
Concen: 10.602 ng
RT: 11.235 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

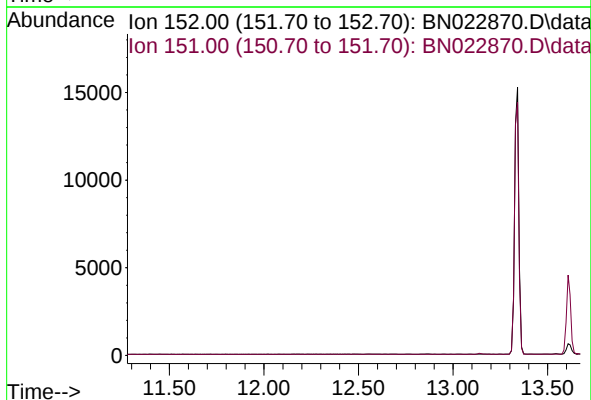
Tgt Ion:225 Resp: 189871
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.8 76.2

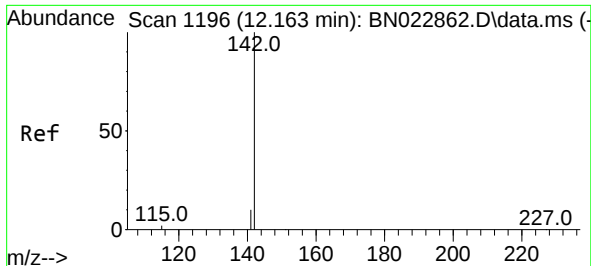


#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.48 min

Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Tgt Ion: 152
Sig Exp Ratio
152 100
151 23.2

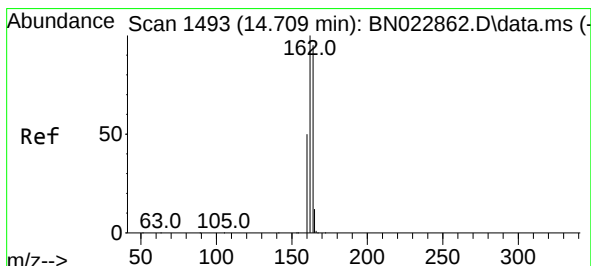
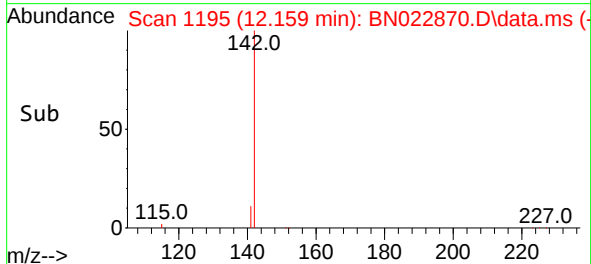
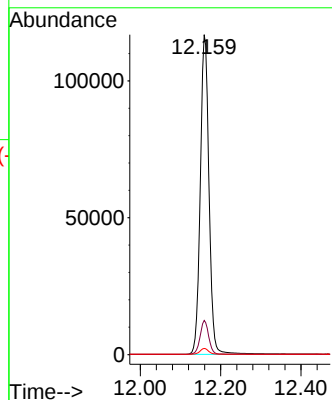
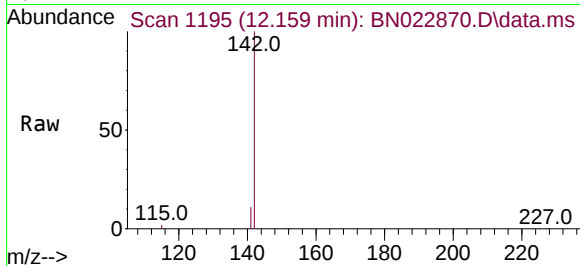




#12
2-Methylnaphthalene
Concen: 9.874 ng
RT: 12.159 min Scan# 1195
Delta R.T. -0.004 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

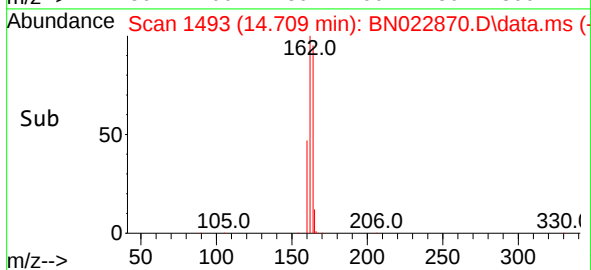
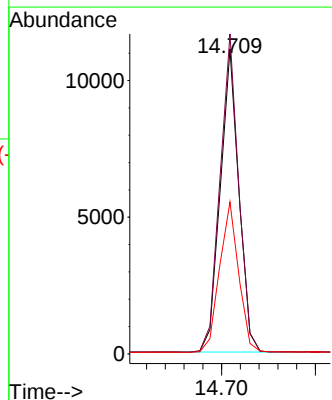
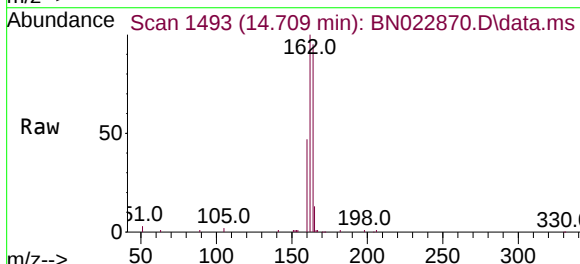
Instrument :
BNA_N
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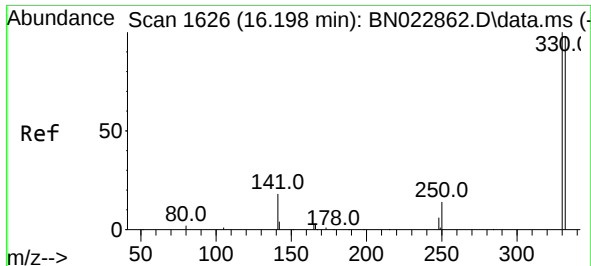
Tgt Ion:142 Resp: 175772
Ion Ratio Lower Upper
142 100
141 10.7 10.1 15.1
115 1.9 4.6 7.0#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.709 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

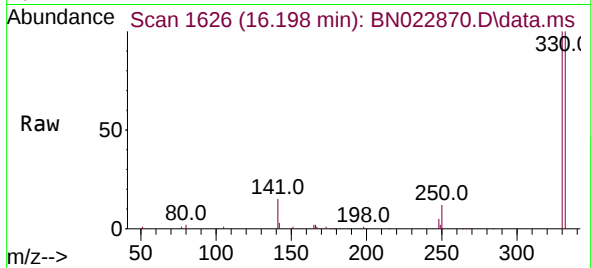
Tgt Ion:164 Resp: 15238
Ion Ratio Lower Upper
164 100
162 104.9 84.2 126.4
160 49.8 42.5 63.7



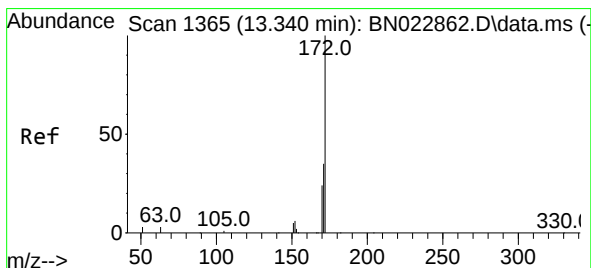
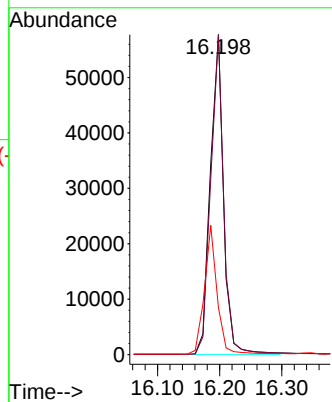
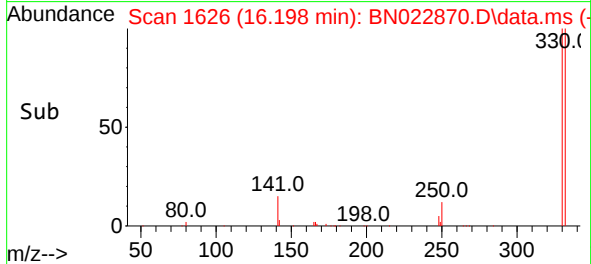


#14
2,4,6-Tribromophenol
Concen: 11.582 ng
RT: 16.198 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

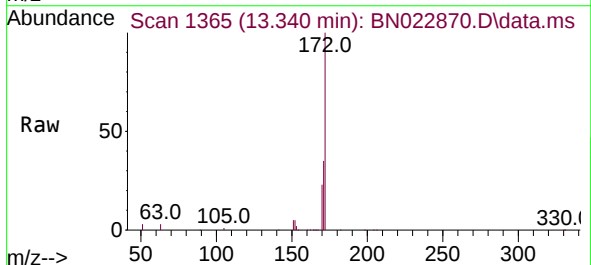
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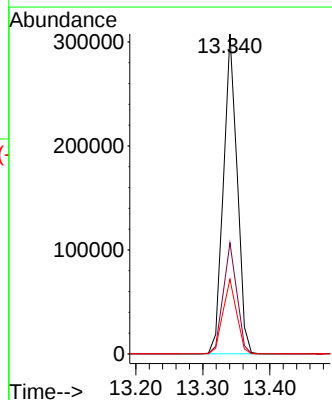
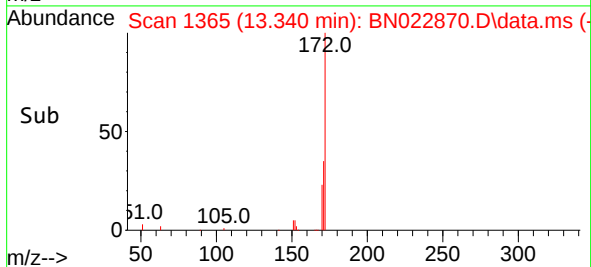
Tgt Ion:330 Resp: 85211
Ion Ratio Lower Upper
330 100
332 97.7 76.5 114.7
141 38.2 32.6 48.8

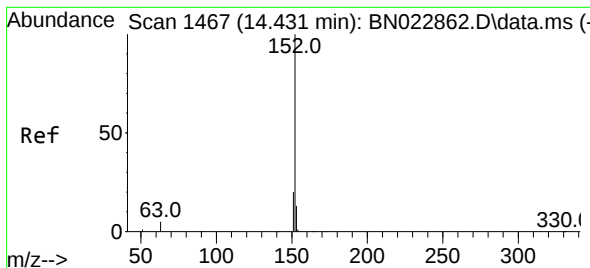


#15
2-Fluorobiphenyl
Concen: 6.266 ng
RT: 13.340 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11



Tgt Ion:172 Resp: 436814
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.4
170 23.3 19.3 28.9





#16

Acenaphthylene

Concen: 4.246 ng

RT: 14.431 min Scan# 1467

Delta R.T. 0.000 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILDL

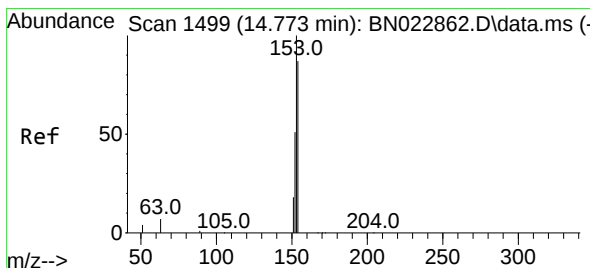
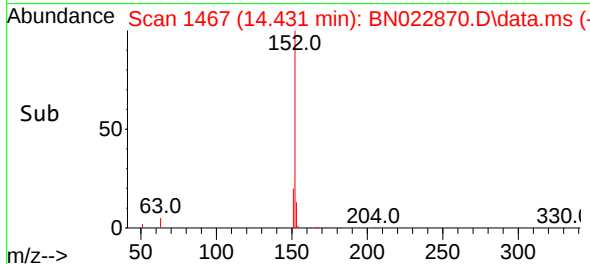
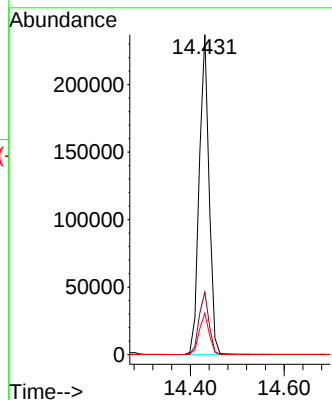
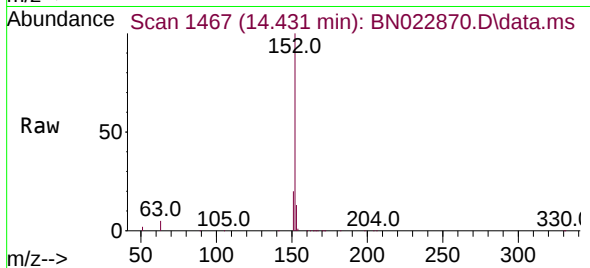
Tgt Ion:152 Resp: 342539

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

153 12.9 10.5 15.7



#17

Acenaphthene

Concen: 4.246 ng

RT: 14.773 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

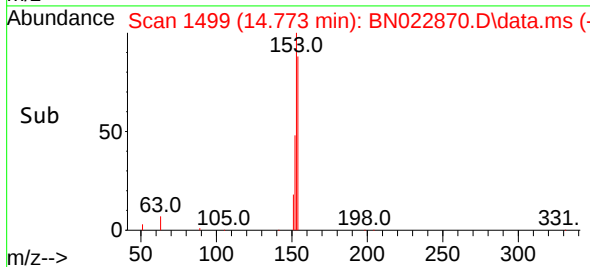
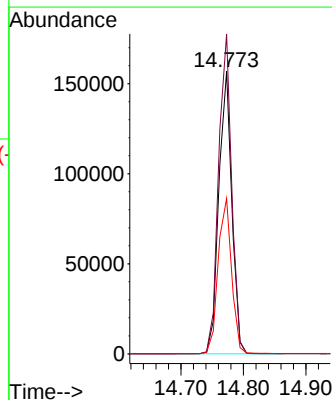
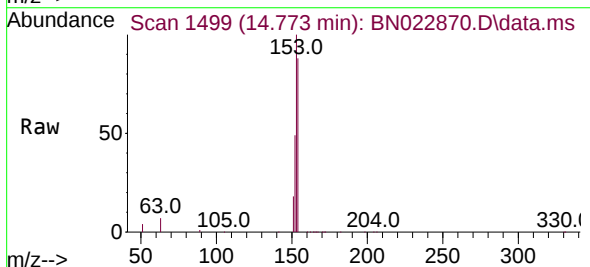
Tgt Ion:154 Resp: 225392

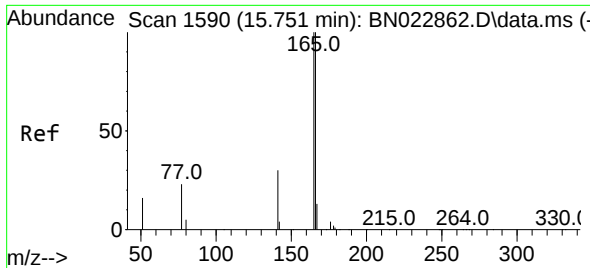
Ion Ratio Lower Upper

154 100

153 114.5 90.0 135.0

152 57.1 47.0 70.6

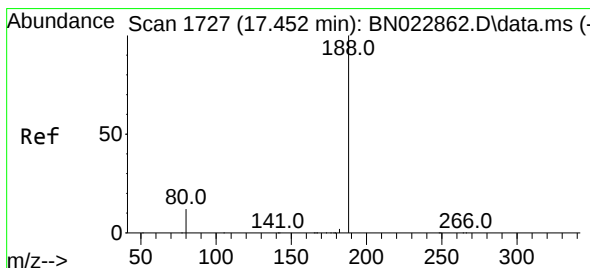
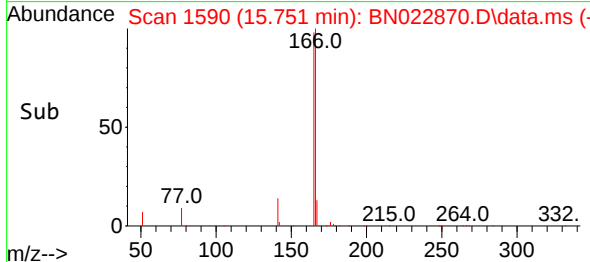
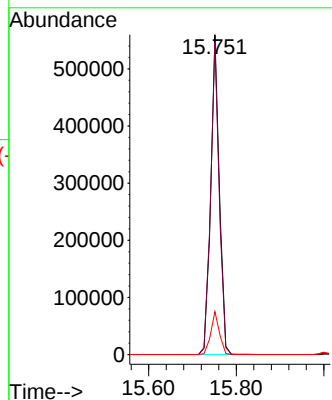
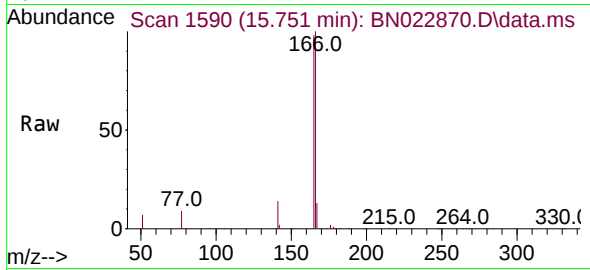




#18
Fluorene
Concen: 10.909 ng
RT: 15.751 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

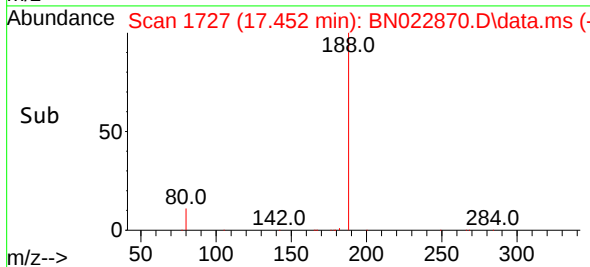
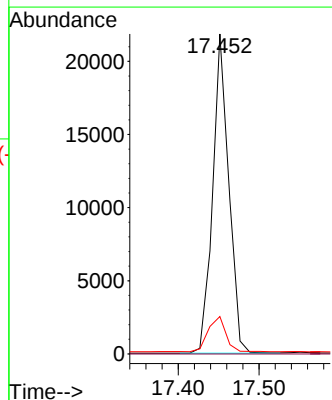
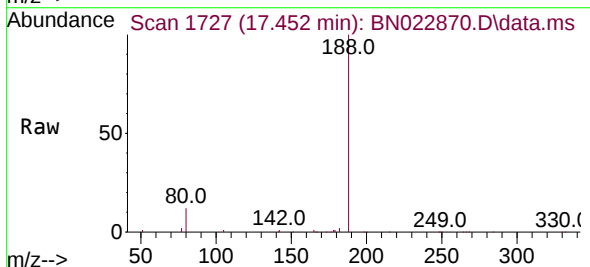
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

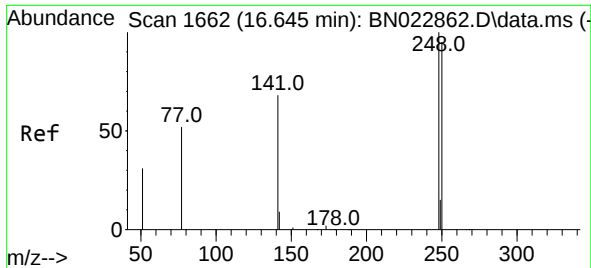
Tgt Ion:166 Resp: 741661
Ion Ratio Lower Upper
166 100
165 96.6 79.4 119.0
167 13.1 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.452 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Tgt Ion:188 Resp: 30157
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.7 10.3 15.5

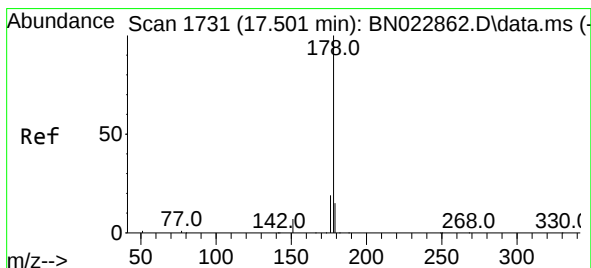
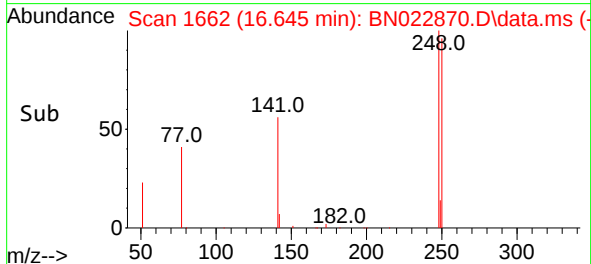
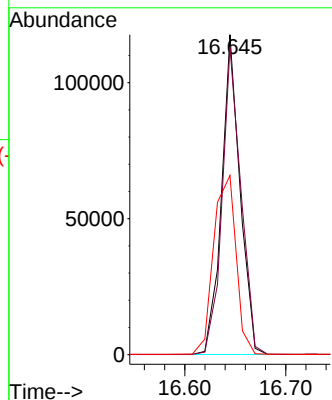
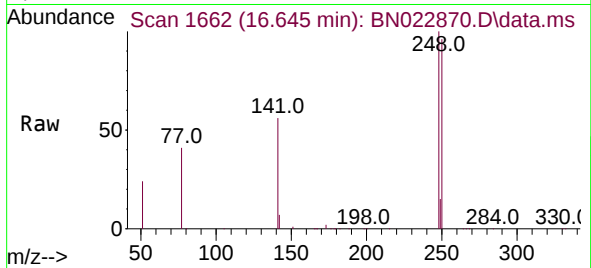




#21
4-Bromophenyl-phenylether
Concen: 6.849 ng
RT: 16.645 min Scan# 1662
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

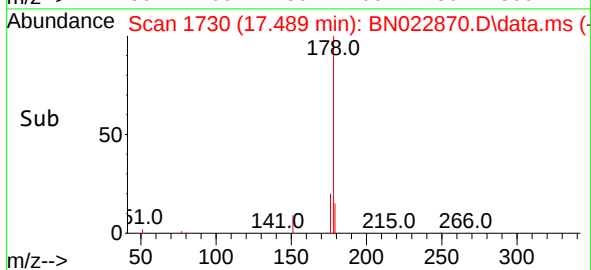
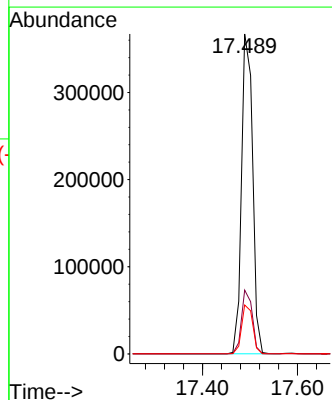
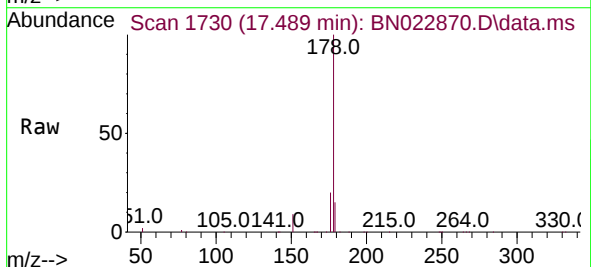
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILD

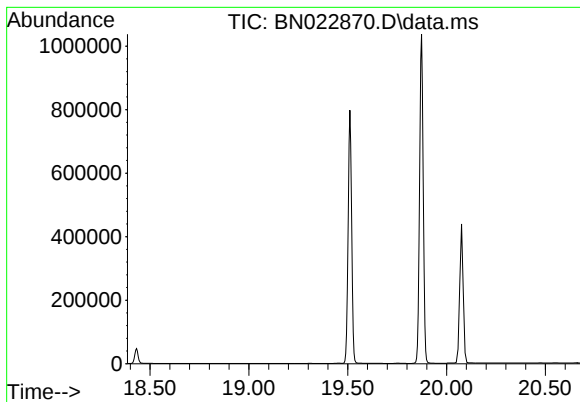
Tgt Ion:248 Resp: 149100
Ion Ratio Lower Upper
248 100
250 96.1 75.8 113.6
141 56.0 55.4 83.0



#25
Phenanthrene
Concen: 5.647 ng
RT: 17.489 min Scan# 1730
Delta R.T. -0.012 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Tgt Ion:178 Resp: 592102
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.2 18.2

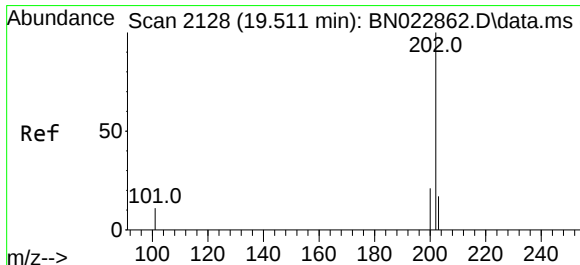
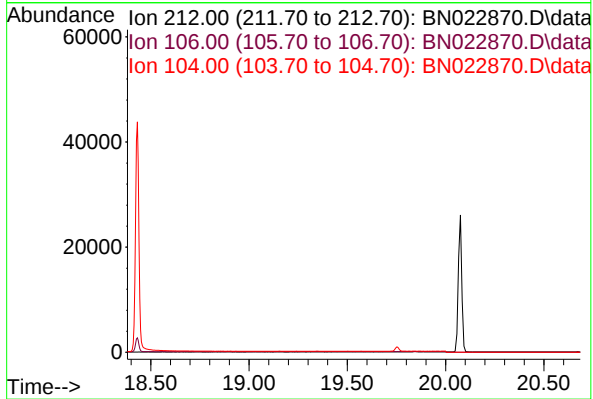




#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.48 min
 Lab File: BN022870.D
 Acq: 25 Nov 2022 22:11

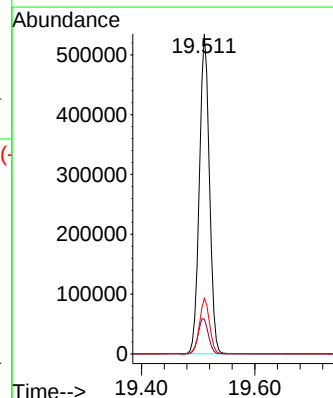
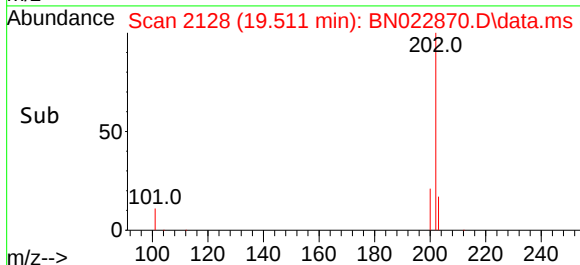
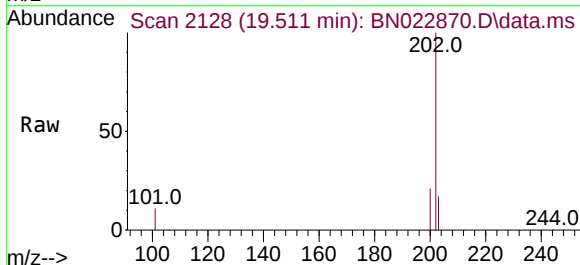
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

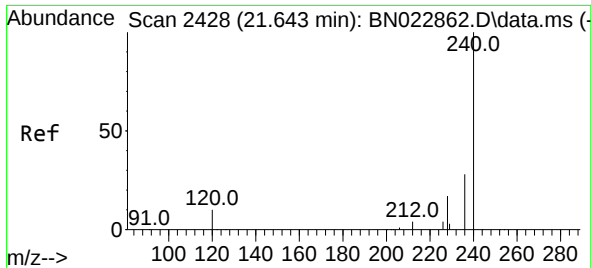
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 15.4
 104 8.7



#28
 Fluoranthene
 Concen: 5.858 ng
 RT: 19.511 min Scan# 2128
 Delta R.T. 0.000 min
 Lab File: BN022870.D
 Acq: 25 Nov 2022 22:11

Tgt Ion: 202 Resp: 653203
 Ion Ratio Lower Upper
 202 100
 101 11.3 9.3 13.9
 203 17.3 13.7 20.5

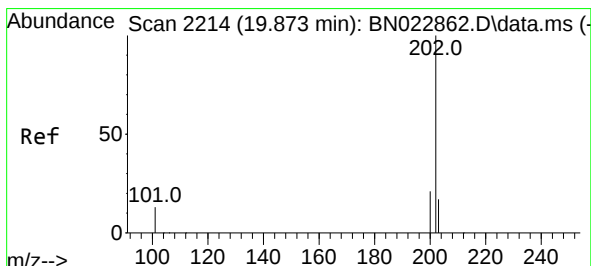
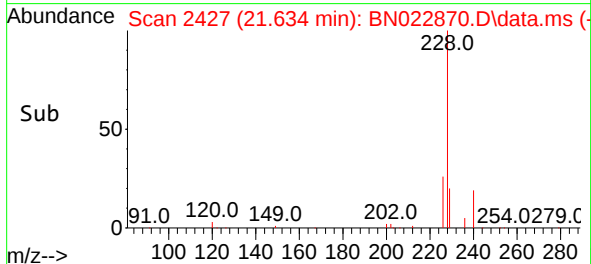
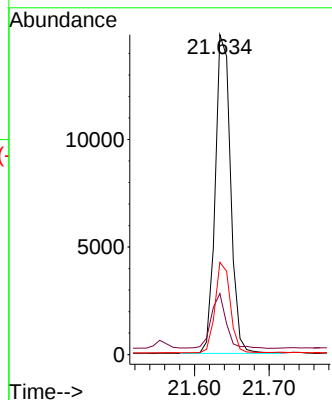
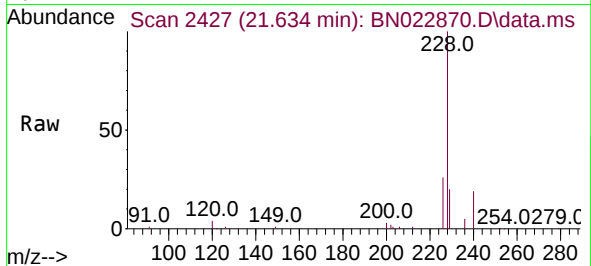




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.634 min Scan# 2428
Delta R.T. -0.009 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

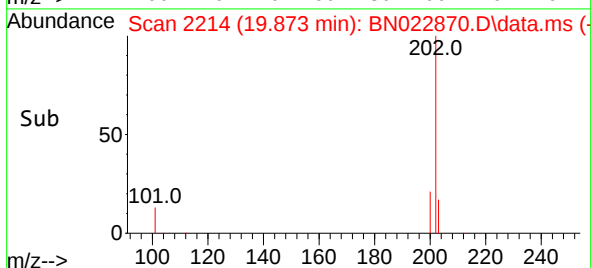
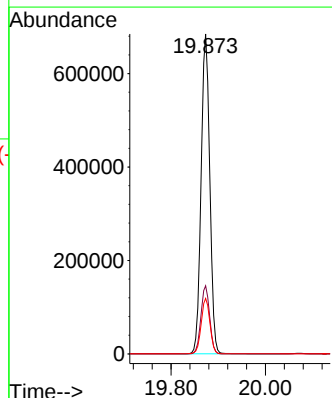
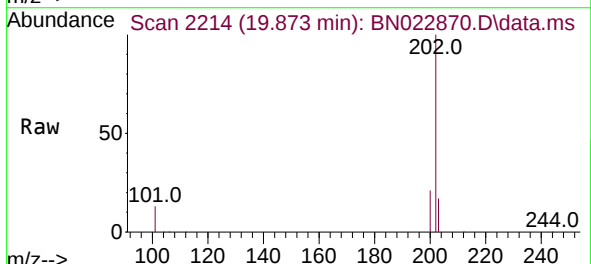
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOILDL

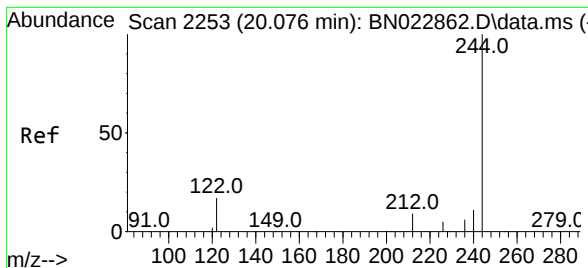
Tgt Ion:240 Resp: 21207
Ion Ratio Lower Upper
240 100
120 19.1 9.2 13.8#
236 28.8 22.6 34.0



#30
Pyrene
Concen: 8.482 ng
RT: 19.873 min Scan# 2214
Delta R.T. 0.000 min
Lab File: BN022870.D
Acq: 25 Nov 2022 22:11

Tgt Ion:202 Resp: 936461
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 16.7 14.2 21.2





#31

Terphenyl-d14

Concen: 6.155 ng

RT: 20.076 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

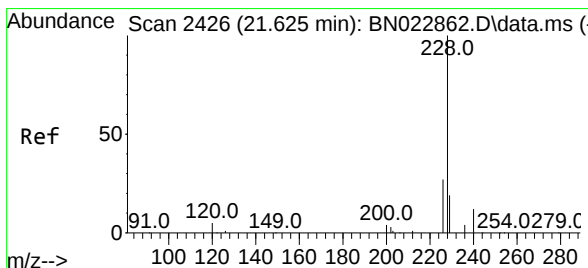
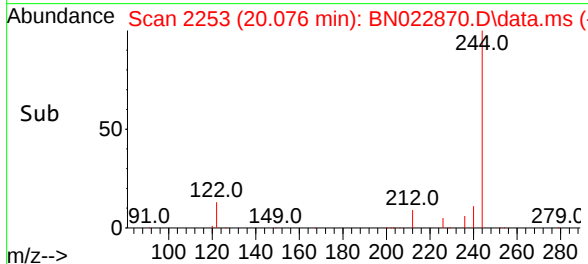
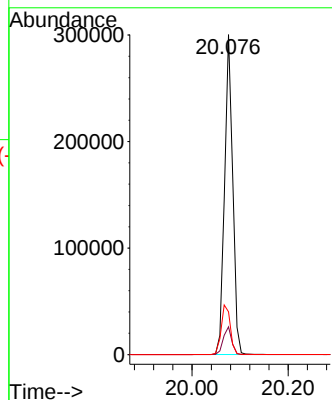
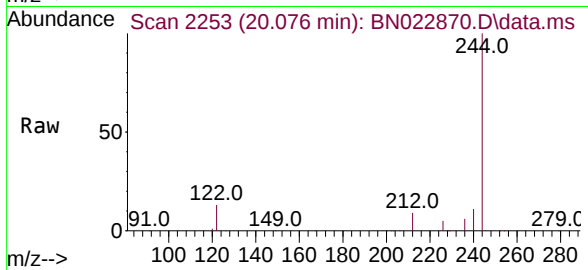
Tgt Ion:244 Resp: 306633

Ion Ratio Lower Upper

244 100

212 8.7 7.9 11.9

122 13.4 13.9 20.9#



#32

Benzo(a)anthracene

Concen: 3.897 ng

RT: 21.625 min Scan# 2426

Delta R.T. 0.000 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

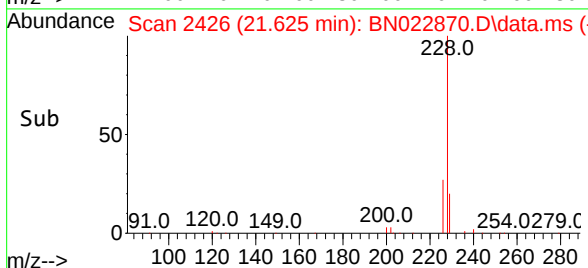
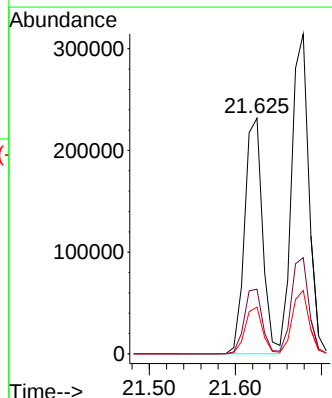
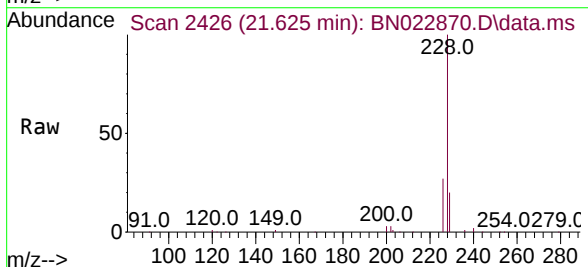
Tgt Ion:228 Resp: 333940

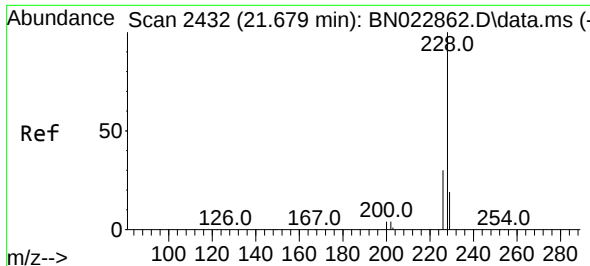
Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

229 19.9 15.8 23.6





#33

Chrysene

Concen: 4.870 ng

RT: 21.679 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOILD

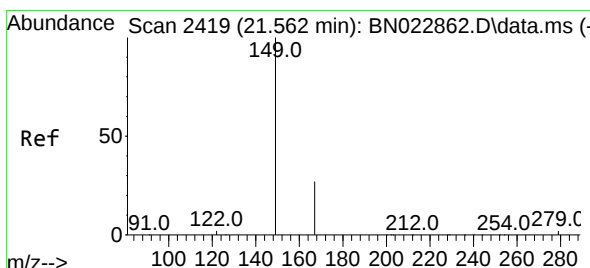
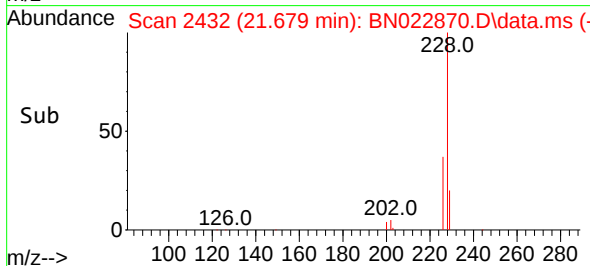
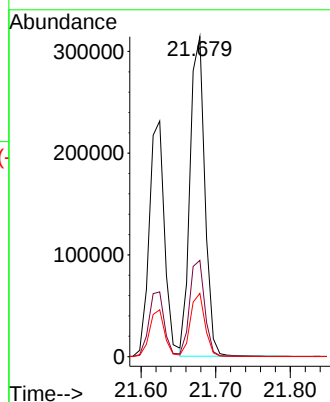
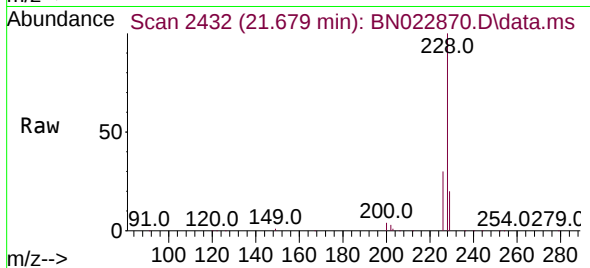
Tgt Ion:228 Resp: 432840

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 19.8 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 19.793 ng

RT: 21.553 min Scan# 2418

Delta R.T. -0.009 min

Lab File: BN022870.D

Acq: 25 Nov 2022 22:11

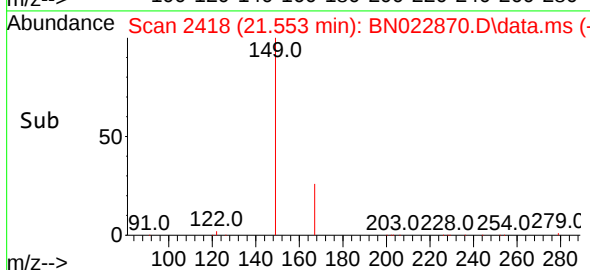
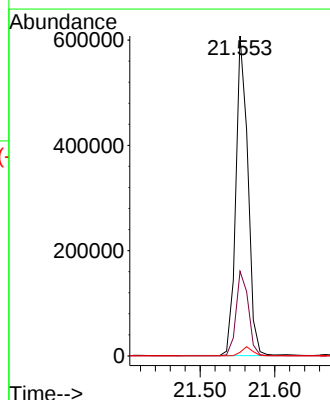
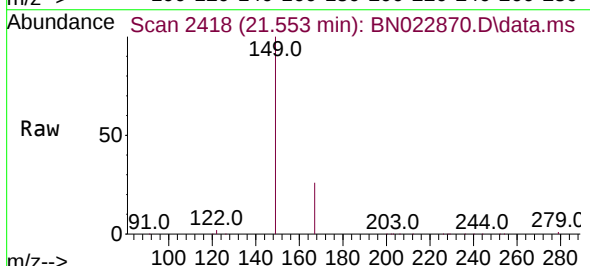
Tgt Ion:149 Resp: 681193

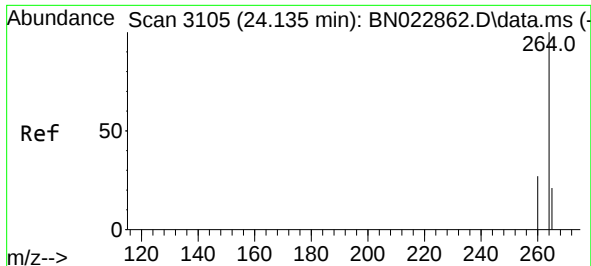
Ion Ratio Lower Upper

149 100

167 27.0 21.3 31.9

279 2.7 2.3 3.5

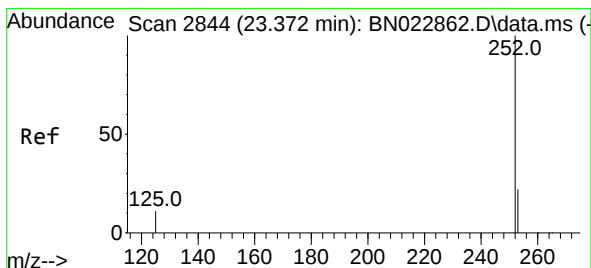
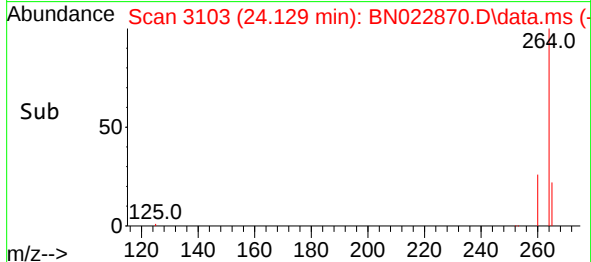
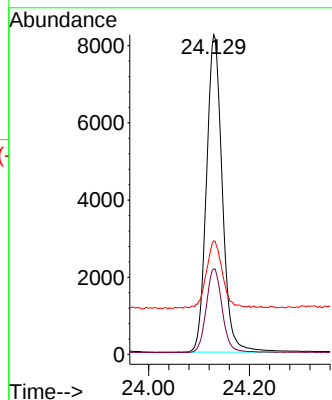
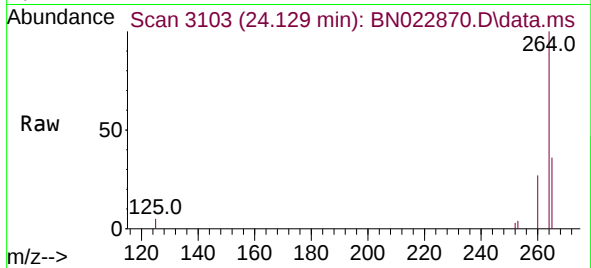




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.129 min Scan# 3103
 Delta R.T. -0.006 min
 Lab File: BN022870.D
 Acq: 25 Nov 2022 22:11

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOILD

Tgt Ion:264 Resp: 17874
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.7 32.5
 265 35.5 31.0 46.4



#37
 Benzo(b)fluoranthene
 Concen: 5.256 ng
 RT: 23.369 min Scan# 2843
 Delta R.T. -0.003 min
 Lab File: BN022870.D
 Acq: 25 Nov 2022 22:11

Tgt Ion:252 Resp: 419366
 Ion Ratio Lower Upper
 252 100
 253 21.6 18.5 27.7
 125 11.2 10.8 16.2

