

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112522\
 Data File : BN022869.D
 Acq On : 25 Nov 2022 21:35
 Operator : CG/JU
 Sample : N5317-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 25 22:58:06 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)

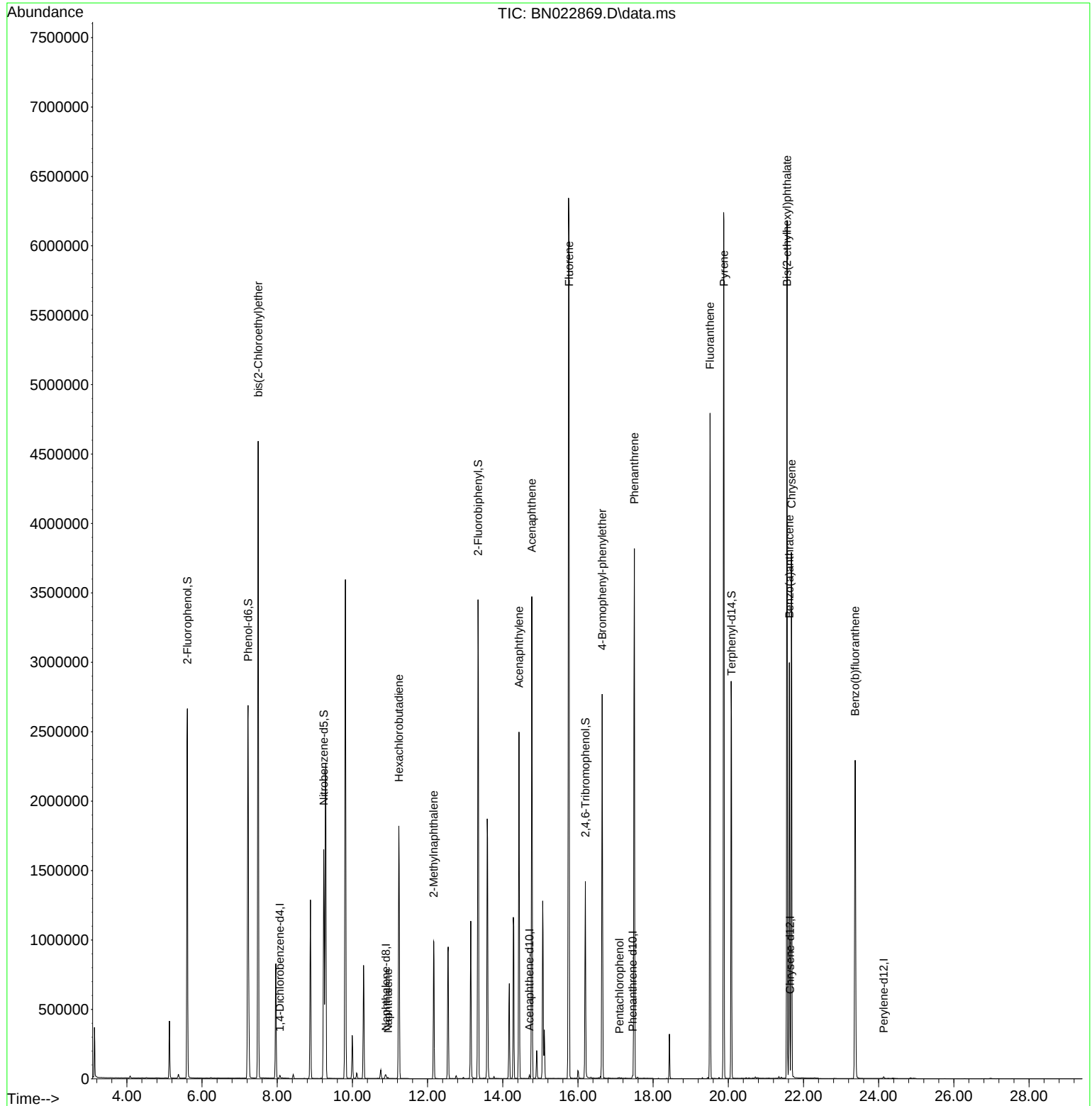
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	9294	0.400	ng	0.00
7) Naphthalene-d8	10.893	136	26644	0.400	ng	0.00
13) Acenaphthene-d10	14.709	164	13040	0.400	ng	0.00
19) Phenanthrene-d10	17.452	188	25201	0.400	ng	0.00
29) Chrysene-d12	21.643	240	18751	0.400	ng	0.00
35) Perylene-d12	24.132	264	17066	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.608	112	2087326	86.432	ng	0.00
5) Phenol-d6	7.226	99	2746648	89.293	ng	0.01
8) Nitrobenzene-d5	9.238	82	1289320	62.294	ng	0.00
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	16.198	330	749515	119.048	ng	0.00
15) 2-Fluorobiphenyl	13.340	172	3081617	51.657	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	20.085	244	2566719	58.272	ng	0.00
Target Compounds					Qvalue	
6) bis(2-Chloroethyl)ether	7.493	93	3258418	112.802	ng	99
9) Naphthalene	10.946	128	9928	0.121	ng	98
10) Hexachlorobutadiene	11.235	225	1495063	88.760	ng	# 98
12) 2-Methylnaphthalene	12.163	142	1385426	82.742	ng	# 93
16) Acenaphthylene	14.431	152	2553904	36.992	ng	99
17) Acenaphthene	14.773	154	1653727	36.406	ng	97
18) Fluorene	15.763	166	4442693	76.363	ng	96
21) 4-Bromophenyl-phenylether	16.645	248	1058217	58.172	ng	99
24) Pentachlorophenol	17.104	266	232	0.038	ng	92
25) Phenanthrene	17.501	178	3950450	45.082	ng	99
28) Fluoranthene	19.515	202	4297982	46.126	ng	98
30) Pyrene	19.882	202	6255049	64.076	ng	98
32) Benzo(a)anthracene	21.625	228	2496004	32.940	ng	99
33) Chrysene	21.679	228	3185171	40.533	ng	98
34) Bis(2-ethylhexyl)phtha...	21.562	149	5555539	182.567	ng	95
37) Benzo(b)fluoranthene	23.375	252	3302074	43.346	ng	98

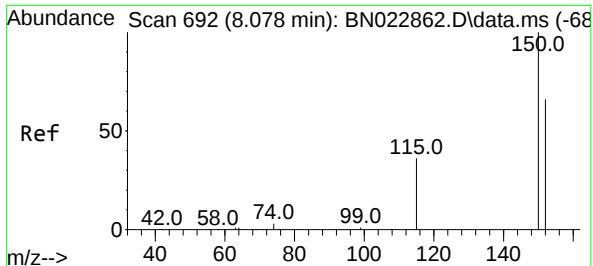
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112522\
Data File : BN022869.D
Acq On : 25 Nov 2022 21:35
Operator : CG/JU
Sample : N5317-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Quant Time: Nov 25 22:58:06 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

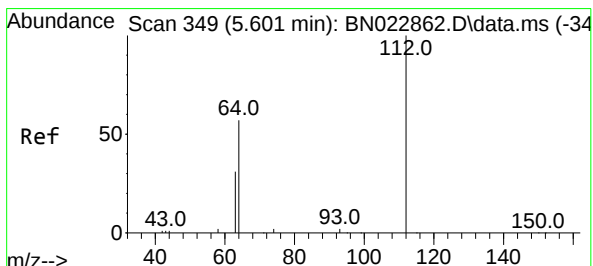
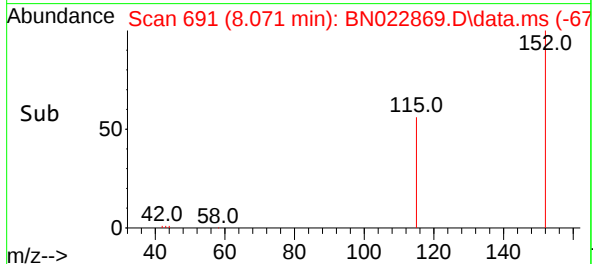
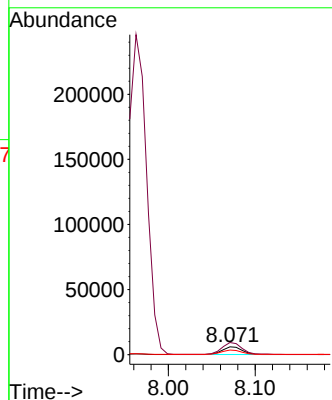
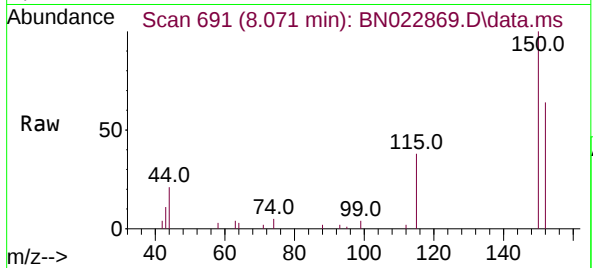




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.071 min Scan# 691
Delta R.T. -0.007 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

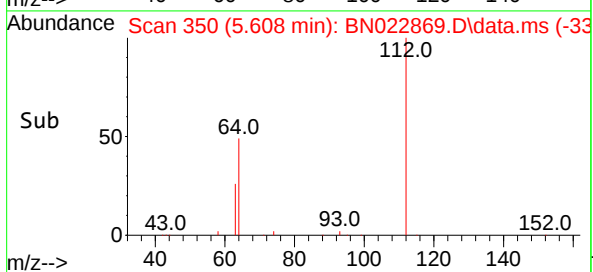
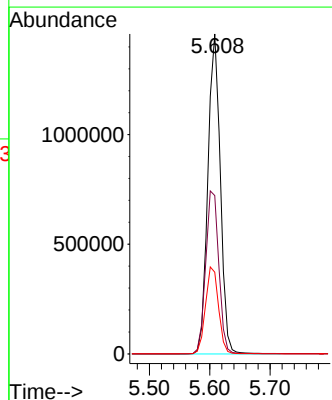
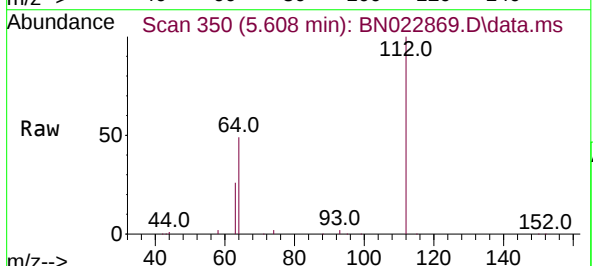
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

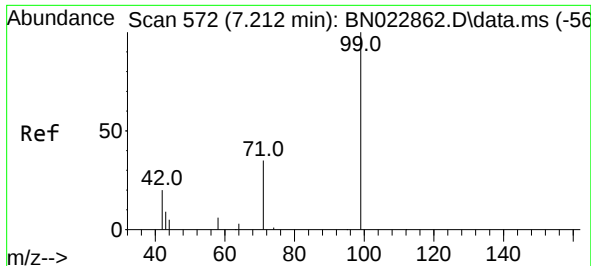
Tgt Ion:152 Resp: 9294
Ion Ratio Lower Upper
152 100
150 156.7 121.2 181.8
115 59.6 46.2 69.4



#4
2-Fluorophenol
Concen: 86.432 ng
RT: 5.608 min Scan# 350
Delta R.T. 0.007 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:112 Resp: 2087326
Ion Ratio Lower Upper
112 100
64 53.9 43.4 65.2
63 28.5 23.4 35.2

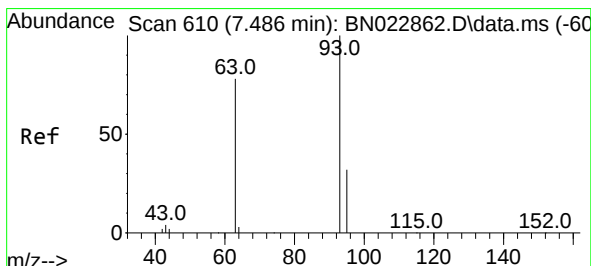
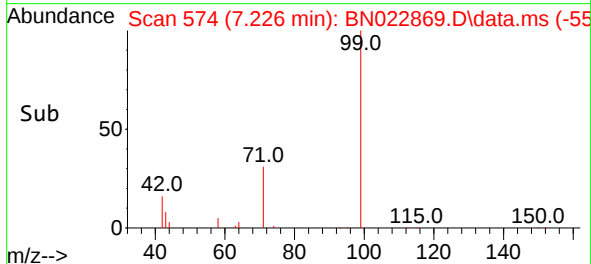
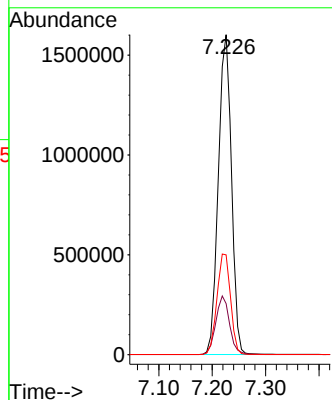
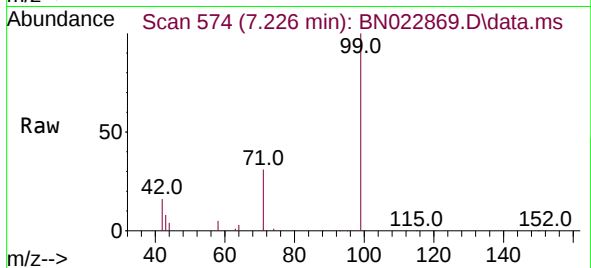




#5
Phenol-d6
Concen: 89.293 ng
RT: 7.226 min Scan# 51
Delta R.T. 0.014 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

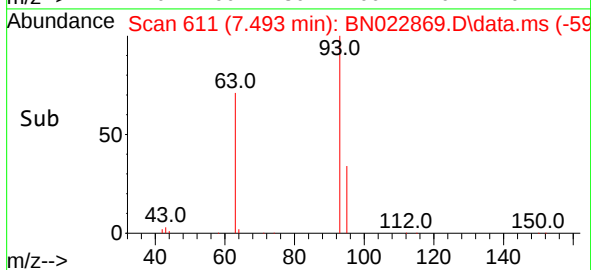
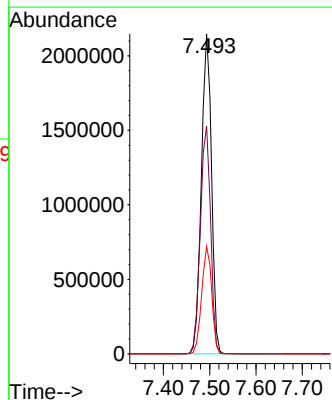
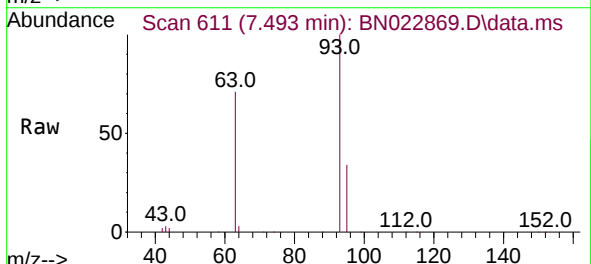
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

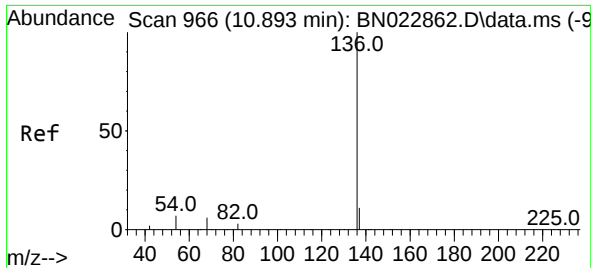
Tgt Ion: 99 Resp: 2746648
Ion Ratio Lower Upper
99 100
42 19.1 16.0 24.0
71 32.6 26.8 40.2



#6
bis(2-Chloroethyl)ether
Concen: 112.802 ng
RT: 7.493 min Scan# 611
Delta R.T. 0.007 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion: 93 Resp: 3258418
Ion Ratio Lower Upper
93 100
63 72.3 58.3 87.5
95 33.3 25.8 38.6

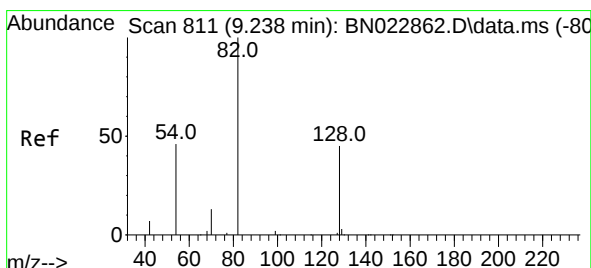
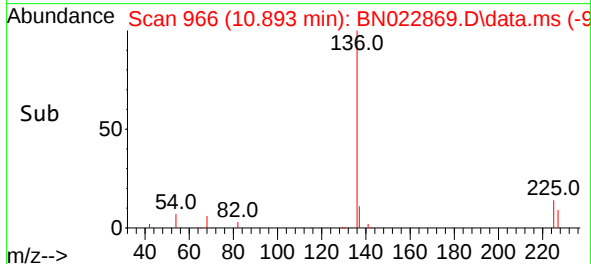
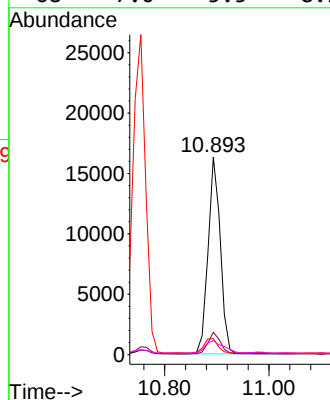
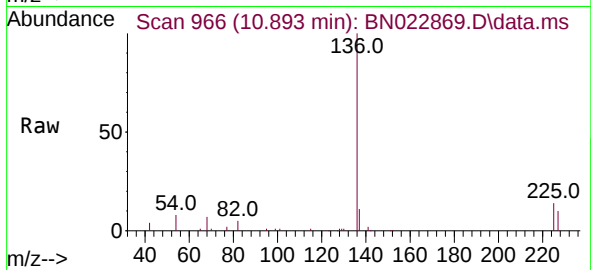




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.893 min Scan# 966
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

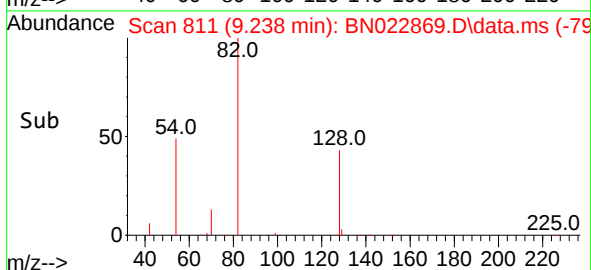
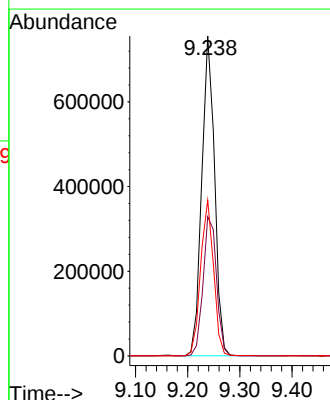
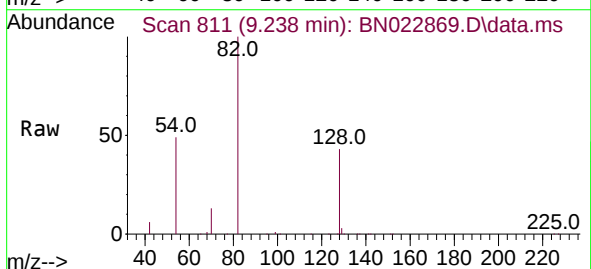
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

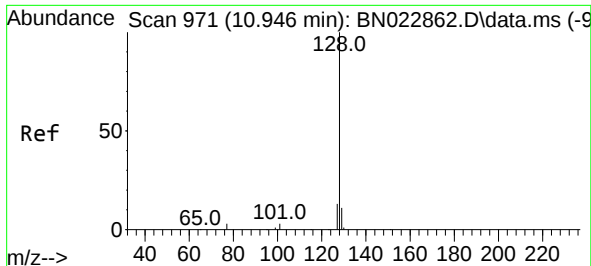
Tgt Ion:	136	Resp:	26644
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	8.1	6.6	9.8
68	7.0	5.5	8.3



#8
Nitrobenzene-d5
Concen: 62.294 ng
RT: 9.238 min Scan# 811
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:	82	Resp:	1289320
Ion Ratio	Lower	Upper	
82	100		
128	43.5	36.6	54.8
54	48.7	38.5	57.7

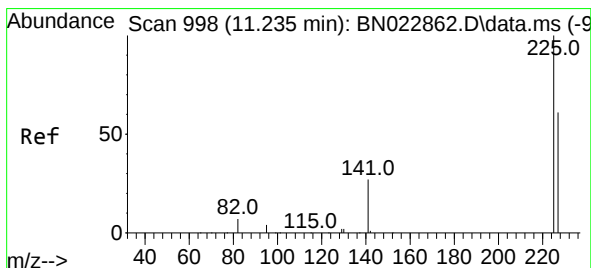
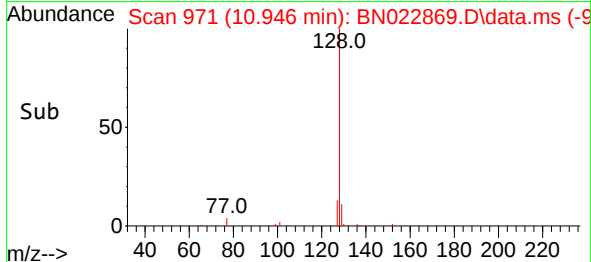
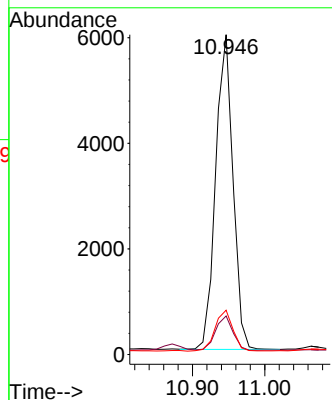
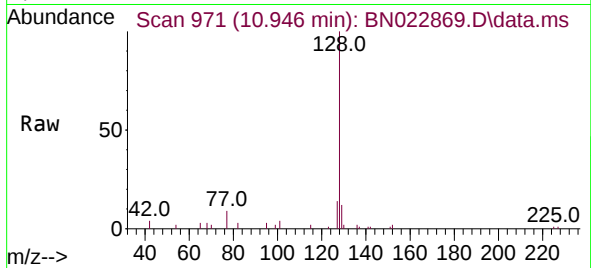




#9
Naphthalene
Concen: 0.121 ng
RT: 10.946 min Scan# 971
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

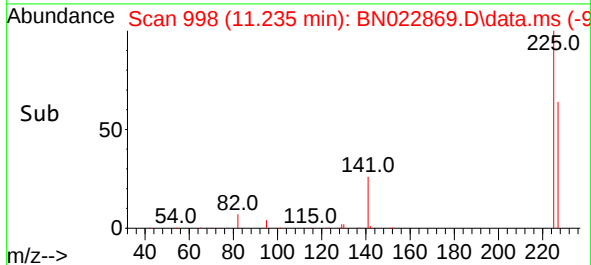
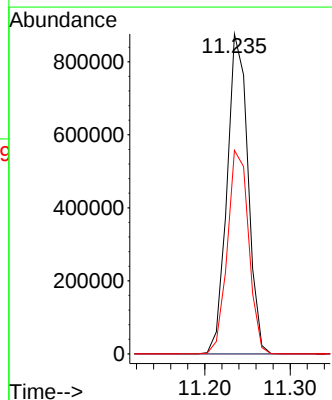
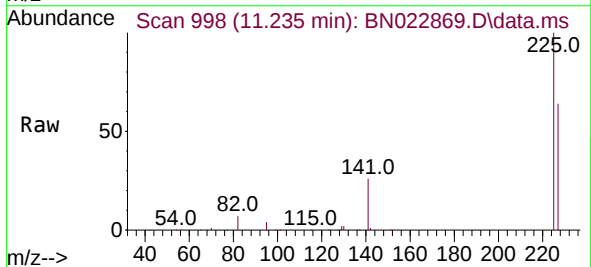
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

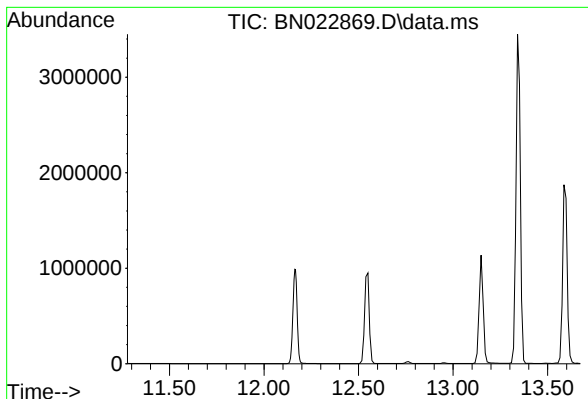
Tgt Ion:	128	Resp:	9928
Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.0	13.4
127	13.9	10.8	16.2



#10
Hexachlorobutadiene
Concen: 88.760 ng
RT: 11.235 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:	225	Resp:	1495063
Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.8	50.8	76.2

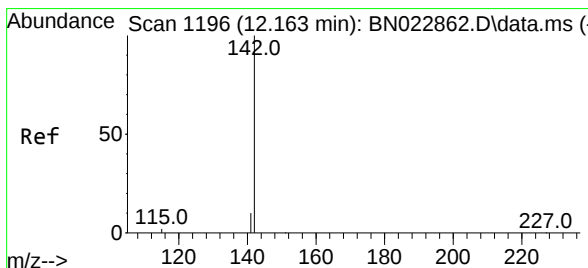
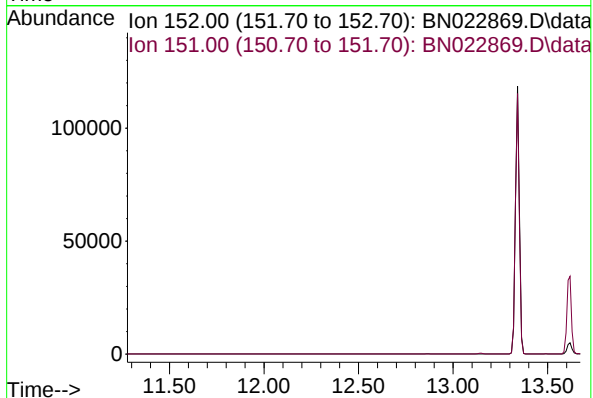




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.48 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

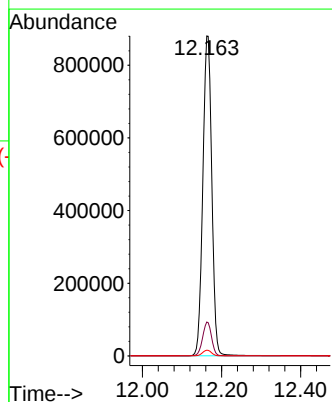
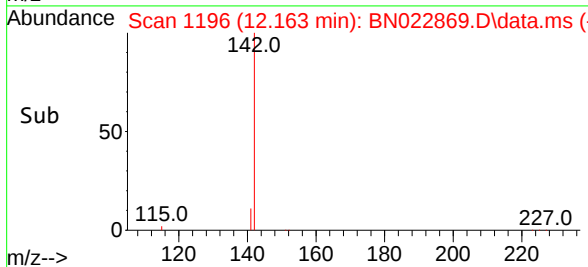
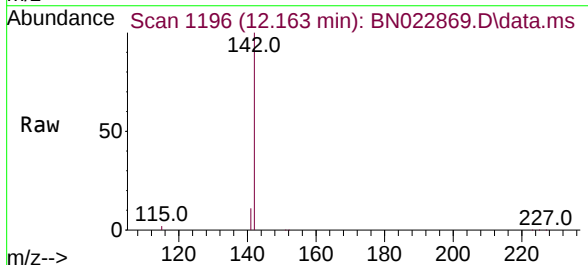
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

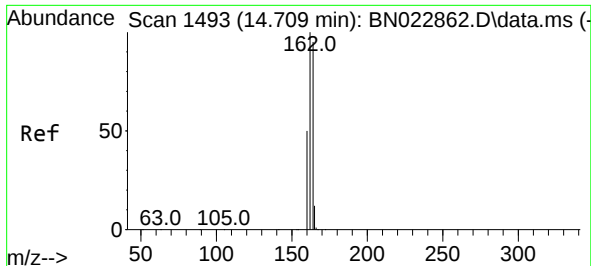
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 23.2



#12
 2-Methylnaphthalene
 Concen: 82.742 ng
 RT: 12.163 min Scan# 1196
 Delta R.T. 0.000 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

Tgt Ion: 142 Resp: 1385426
 Ion Ratio Lower Upper
 142 100
 141 10.6 10.1 15.1
 115 1.8 4.6 7.0#

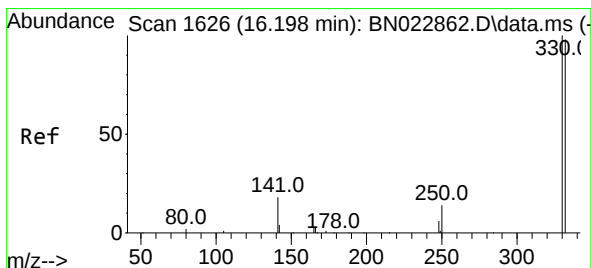
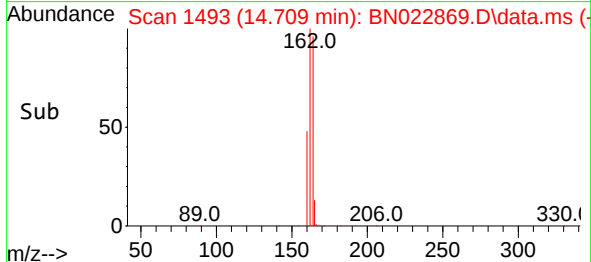
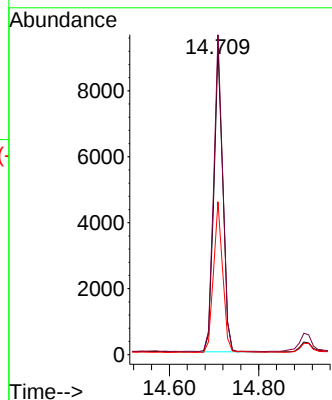
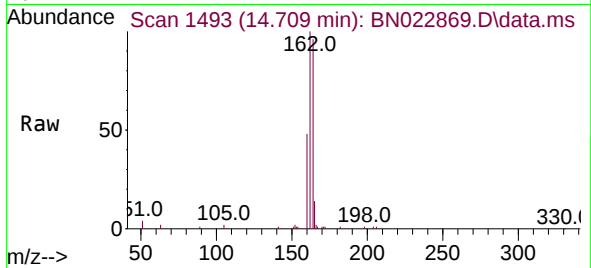




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.709 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

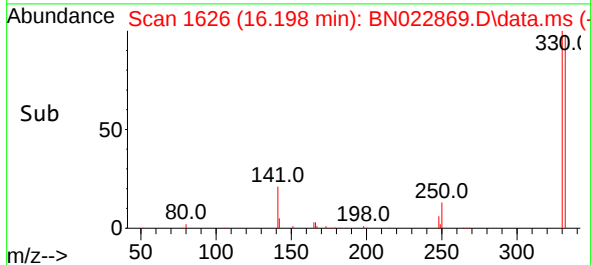
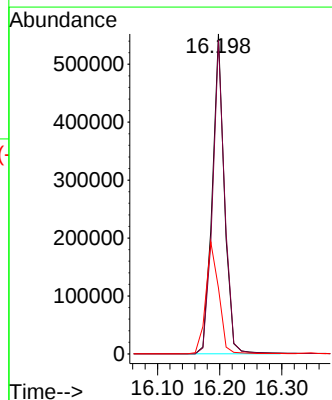
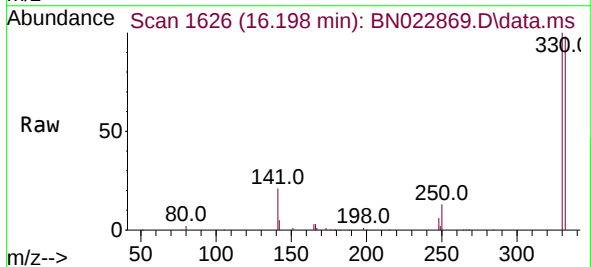
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

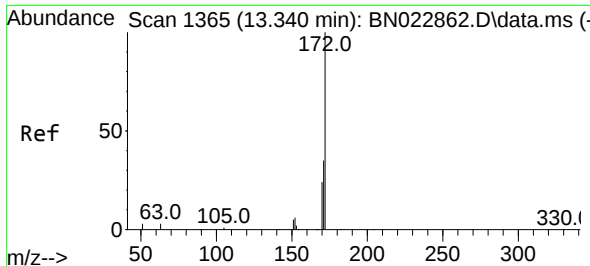
Tgt Ion:164 Resp: 13040
Ion Ratio Lower Upper
164 100
162 104.5 84.2 126.4
160 49.9 42.5 63.7



#14
2,4,6-Tribromophenol
Concen: 119.048 ng
RT: 16.198 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:330 Resp: 749515
Ion Ratio Lower Upper
330 100
332 97.6 76.5 114.7
141 37.3 32.6 48.8

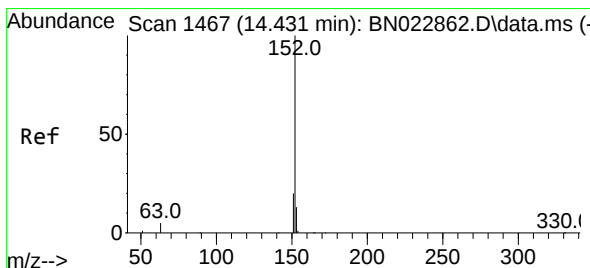
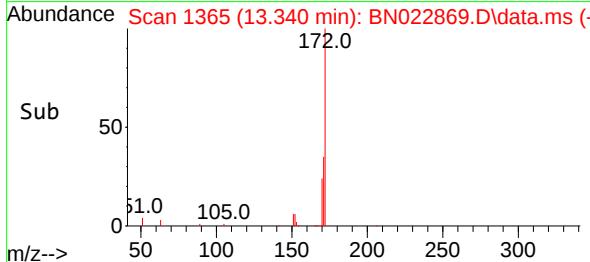
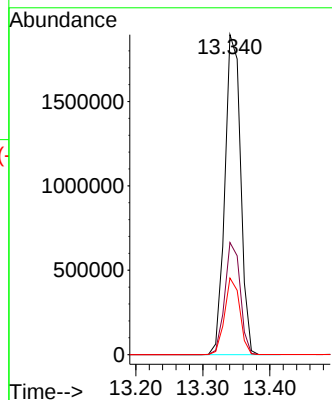
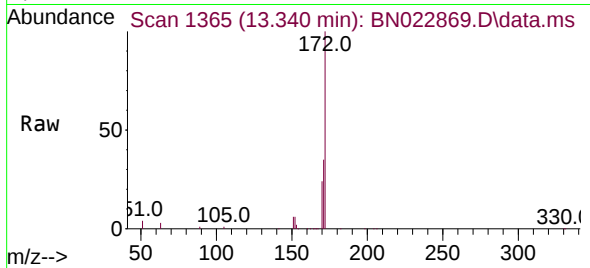




#15
2-Fluorobiphenyl
Concen: 51.657 ng
RT: 13.340 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

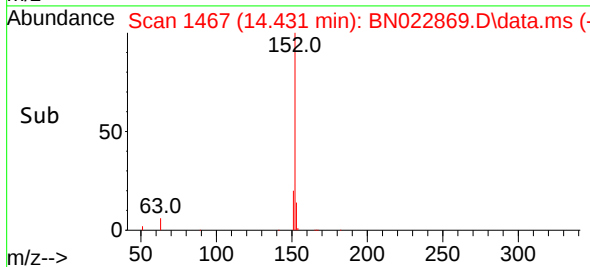
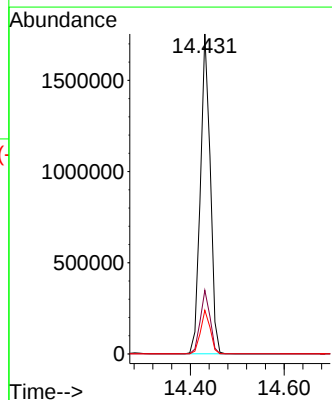
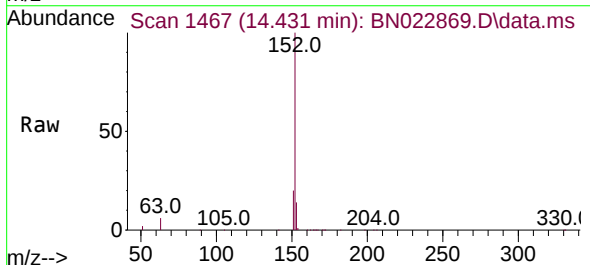
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

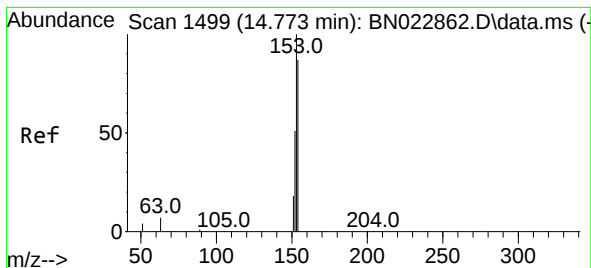
Tgt Ion:172 Resp: 3081617
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 24.0 19.3 28.9



#16
Acenaphthylene
Concen: 36.992 ng
RT: 14.431 min Scan# 1467
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:152 Resp: 2553904
Ion Ratio Lower Upper
152 100
151 19.8 16.1 24.1
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 36.406 ng

RT: 14.773 min Scan# 1499

Delta R.T. 0.000 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

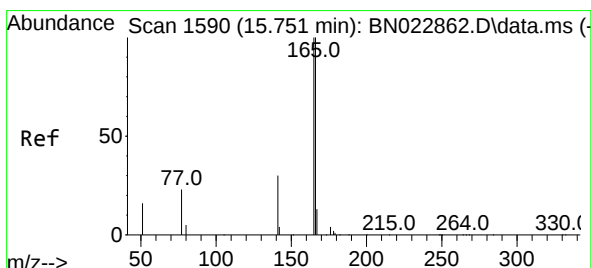
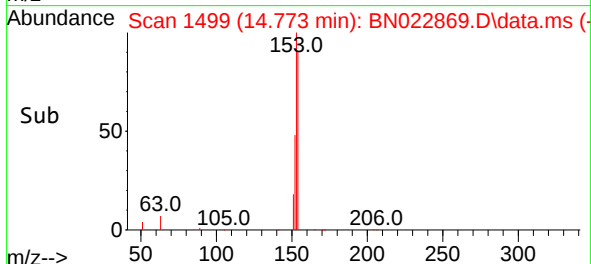
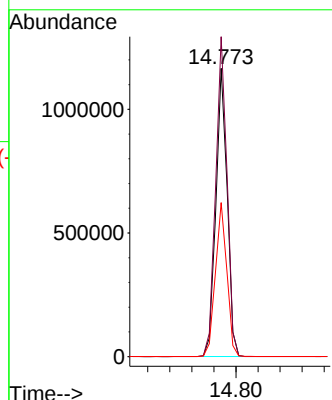
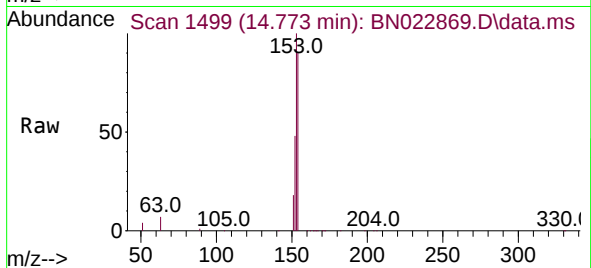
Tgt Ion:154 Resp: 1653727

Ion Ratio Lower Upper

154 100

153 111.9 90.0 135.0

152 54.1 47.0 70.6



#18

Fluorene

Concen: 76.363 ng

RT: 15.763 min Scan# 1591

Delta R.T. 0.012 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

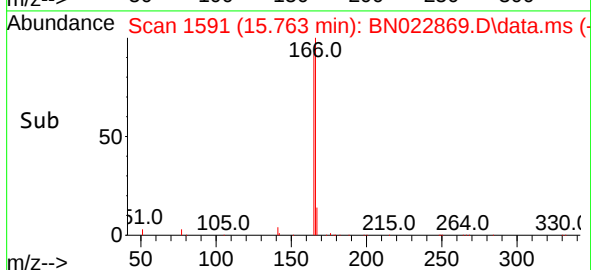
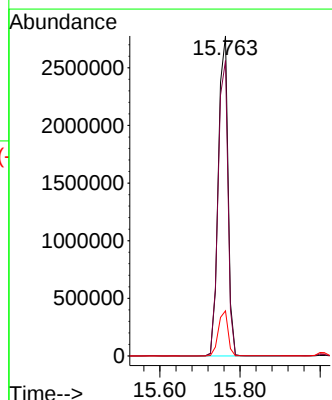
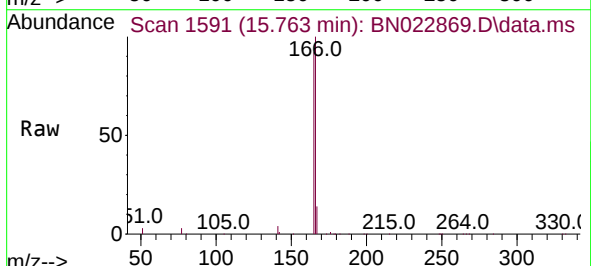
Tgt Ion:166 Resp: 4442693

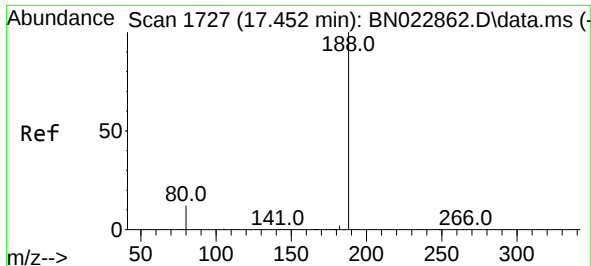
Ion Ratio Lower Upper

166 100

165 94.6 79.4 119.0

167 14.0 10.7 16.1

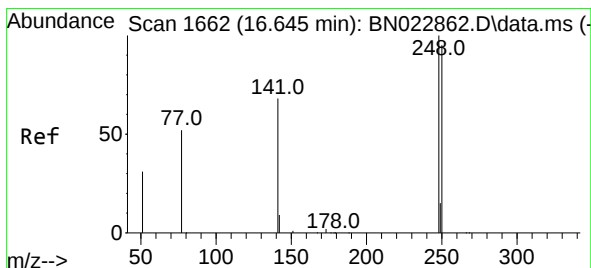
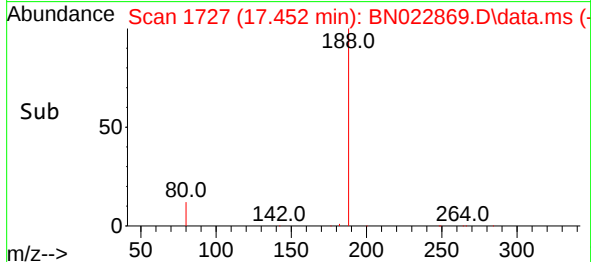
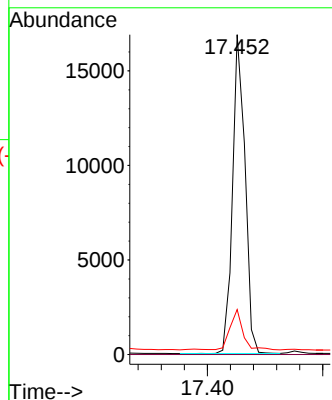
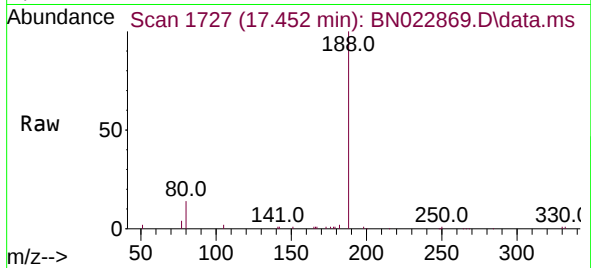




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.452 min Scan# 1727
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

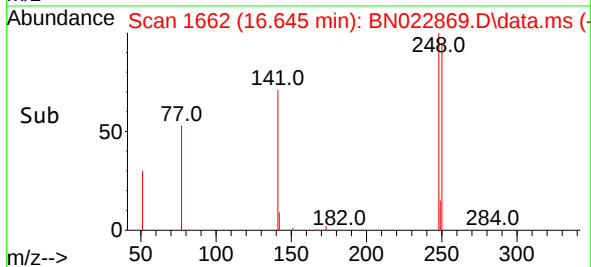
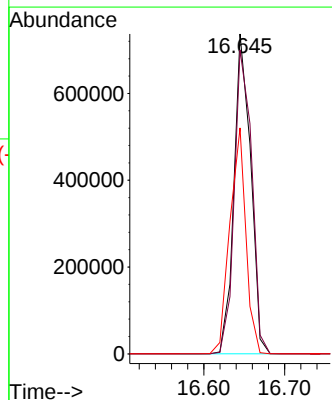
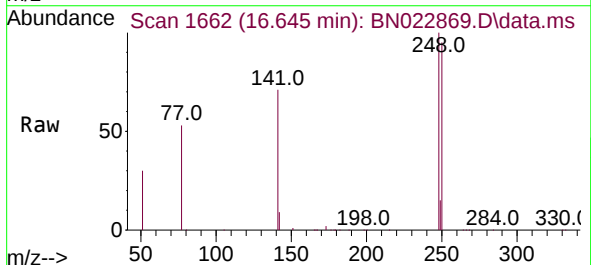
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

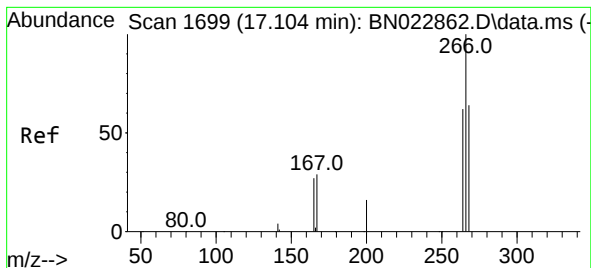
Tgt Ion:188 Resp: 25201
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.1 10.3 15.5



#21
4-Bromophenyl-phenylether
Concen: 58.172 ng
RT: 16.645 min Scan# 1662
Delta R.T. -0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:248 Resp: 1058217
Ion Ratio Lower Upper
248 100
250 95.0 75.8 113.6
141 70.6 55.4 83.0





#24

Pentachlorophenol

Concen: 0.038 ng

RT: 17.104 min Scan# 1699

Delta R.T. 0.000 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

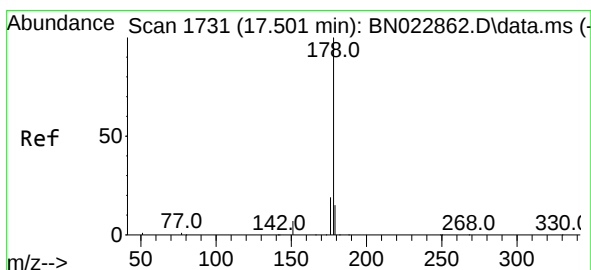
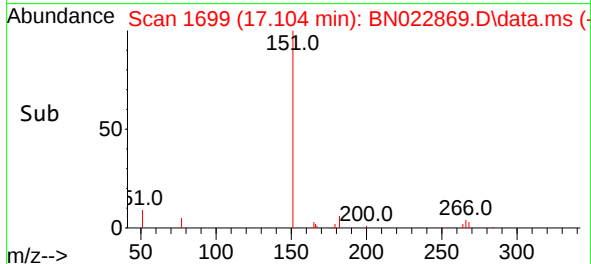
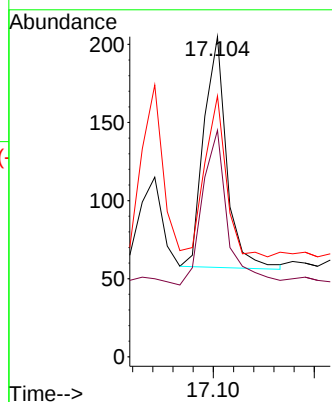
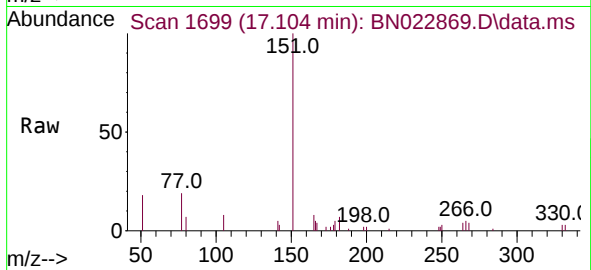
Tgt Ion:266 Resp: 232

Ion Ratio Lower Upper

266 100

264 74.1 50.0 75.0

268 64.7 50.9 76.3



#25

Phenanthrene

Concen: 45.082 ng

RT: 17.501 min Scan# 1731

Delta R.T. 0.000 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

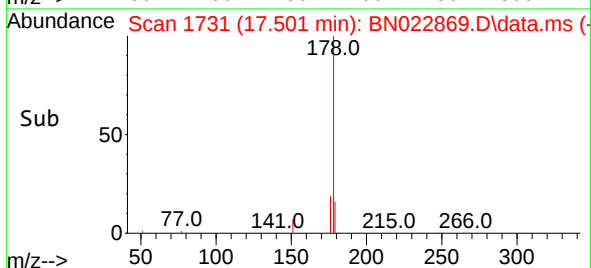
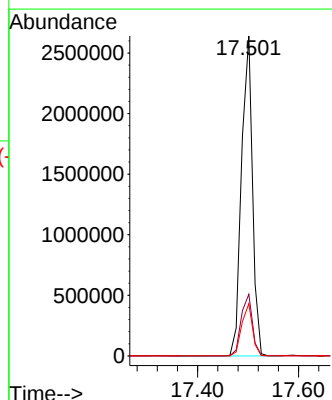
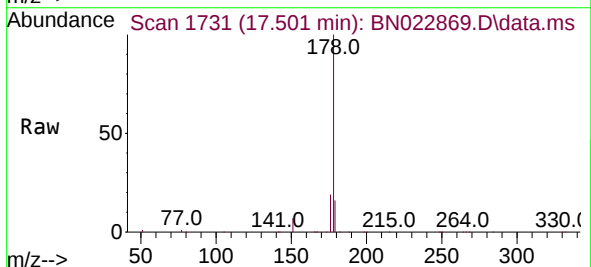
Tgt Ion:178 Resp: 3950450

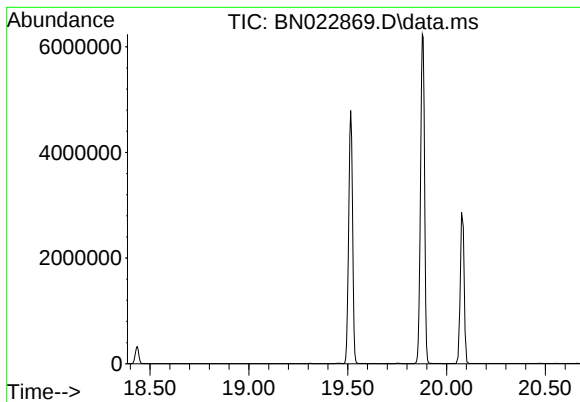
Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 16.0 12.2 18.2



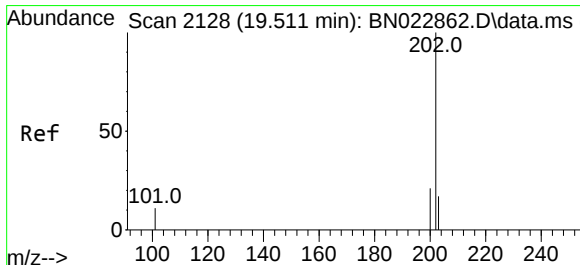
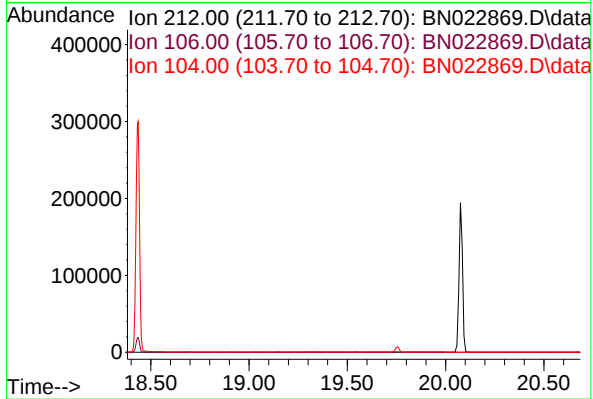


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.48 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion: 212

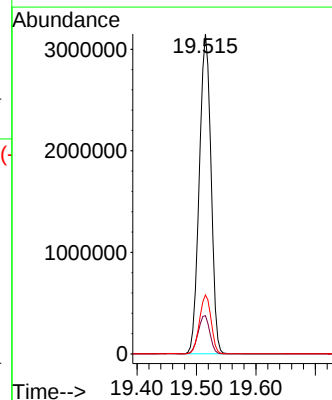
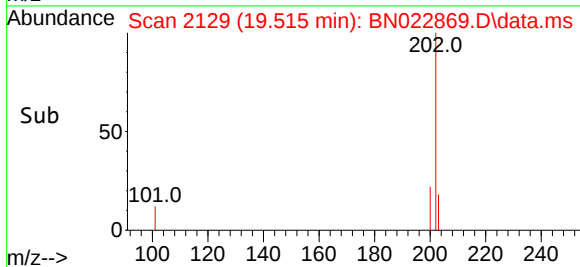
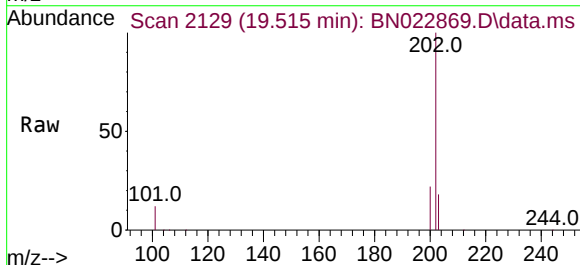
Sig	Exp Ratio
212	100
106	15.4
104	8.7

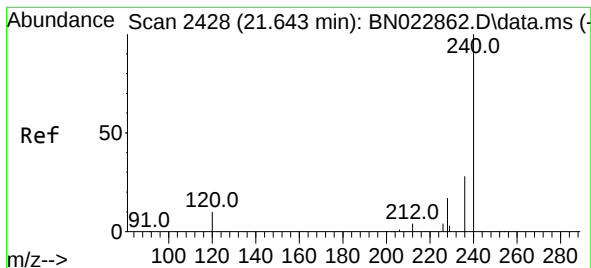


#28
 Fluoranthene
 Concen: 46.126 ng
 RT: 19.515 min Scan# 2129
 Delta R.T. 0.004 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

Tgt Ion: 202 Resp: 4297982

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.3	13.9
203	18.2	13.7	20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.643 min Scan# 2428

Delta R.T. -0.000 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

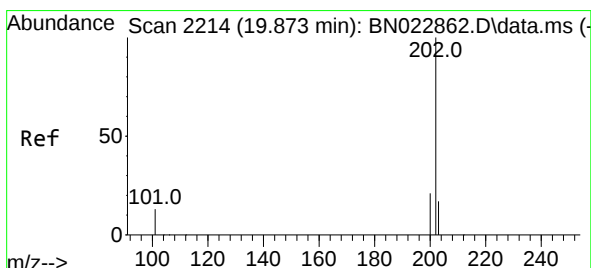
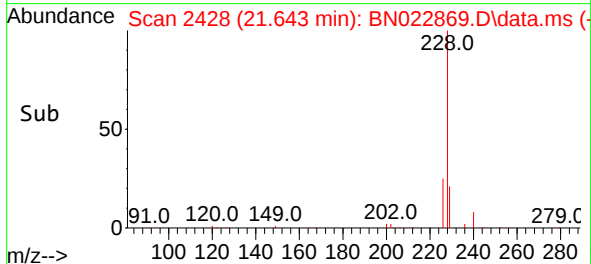
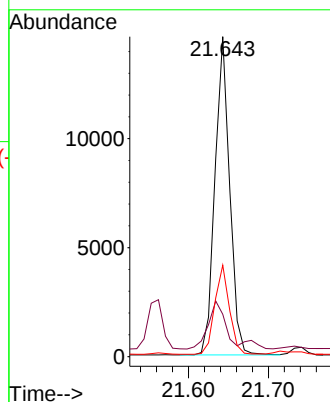
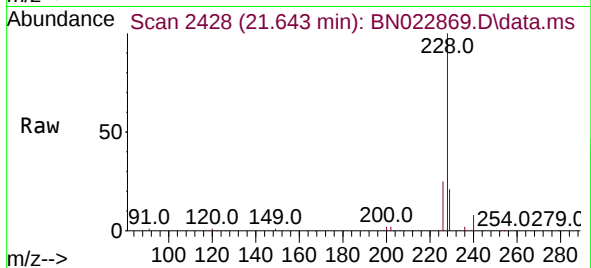
Tgt Ion:240 Resp: 18751

Ion Ratio Lower Upper

240 100

120 13.2 9.2 13.8

236 28.6 22.6 34.0



#30

Pyrene

Concen: 64.076 ng

RT: 19.882 min Scan# 2216

Delta R.T. 0.008 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

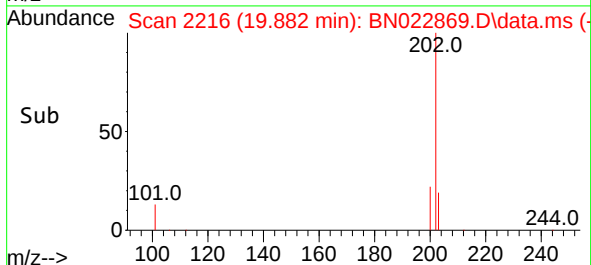
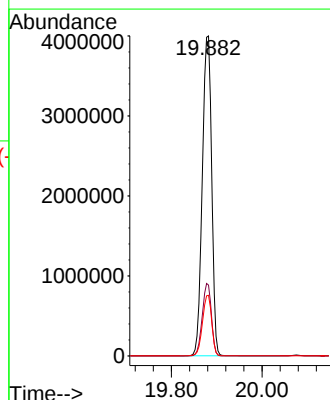
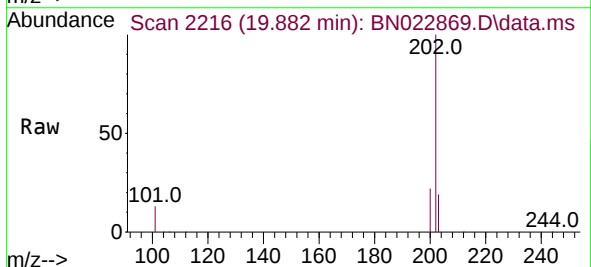
Tgt Ion:202 Resp: 6255049

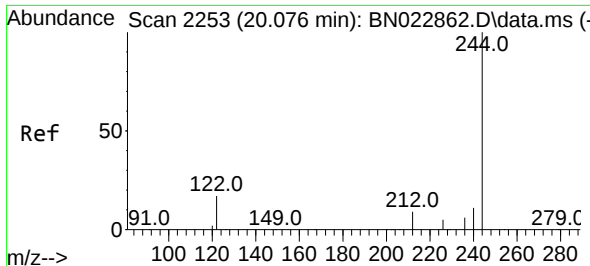
Ion Ratio Lower Upper

202 100

200 22.0 17.0 25.4

203 18.6 14.2 21.2

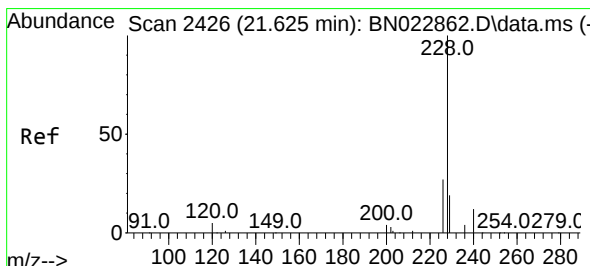
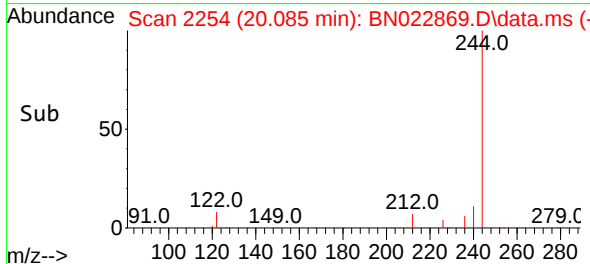
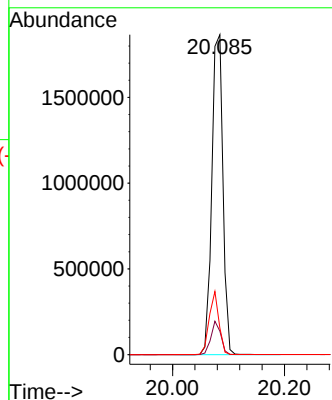
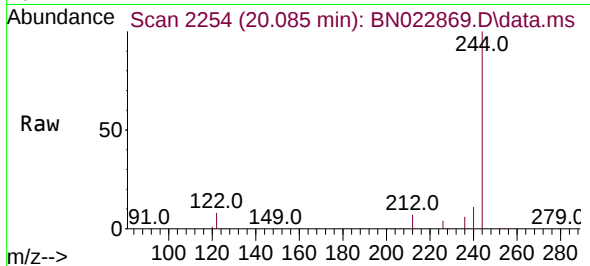




#31
 Terphenyl-d14
 Concen: 58.272 ng
 RT: 20.085 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

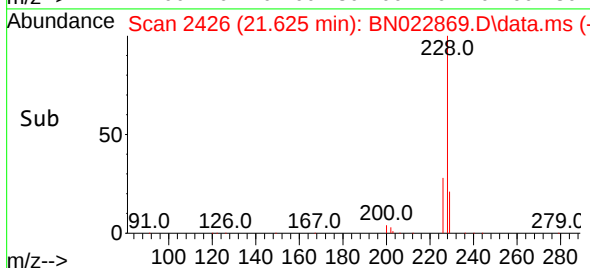
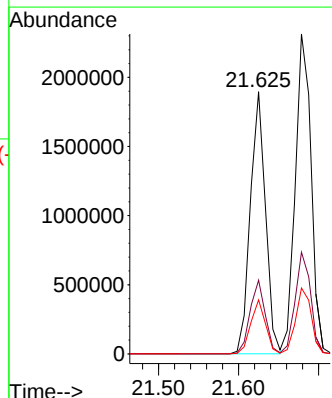
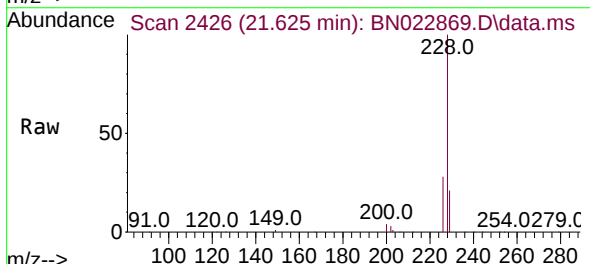
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

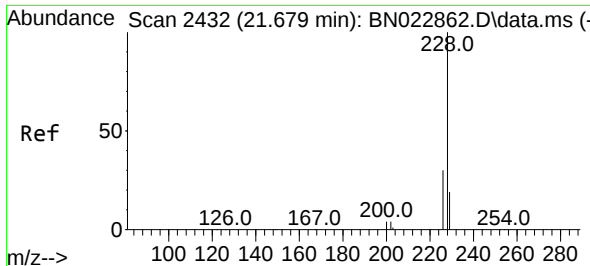
Tgt Ion:244 Resp: 2566719
 Ion Ratio Lower Upper
 244 100
 212 7.3 7.9 11.9#
 122 8.3 13.9 20.9#



#32
 Benzo(a)anthracene
 Concen: 32.940 ng
 RT: 21.625 min Scan# 2426
 Delta R.T. 0.000 min
 Lab File: BN022869.D
 Acq: 25 Nov 2022 21:35

Tgt Ion:228 Resp: 2496004
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.1 33.1
 229 20.6 15.8 23.6

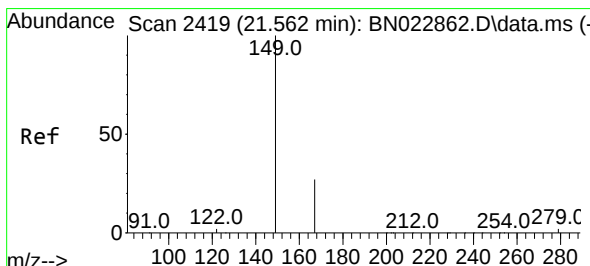
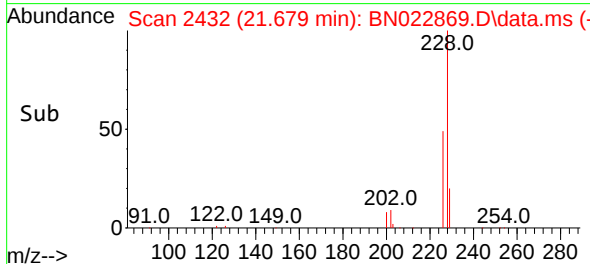
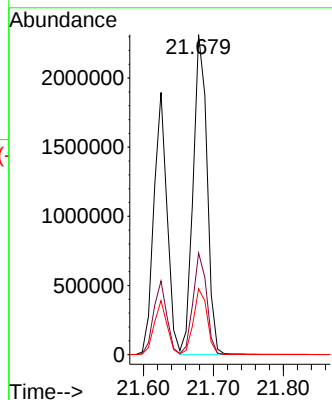
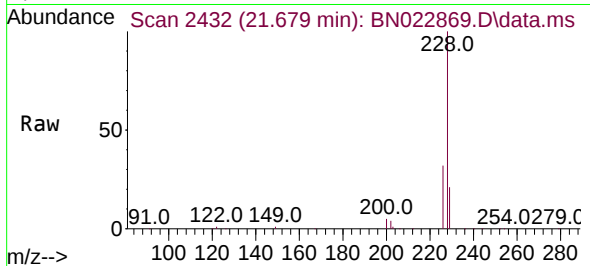




#33
Chrysene
Concen: 40.533 ng
RT: 21.679 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

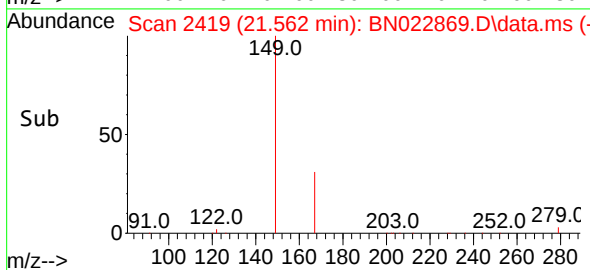
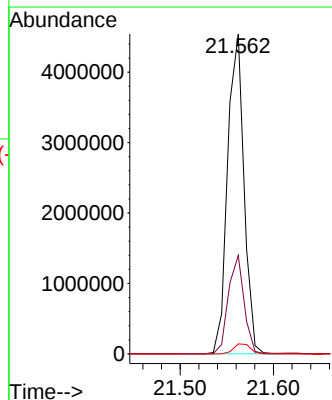
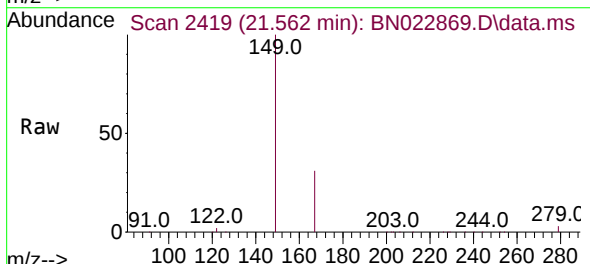
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

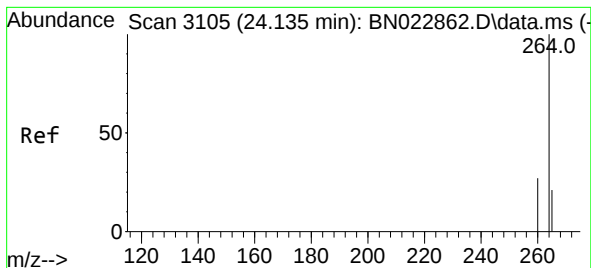
Tgt Ion:228 Resp: 3185171
Ion Ratio Lower Upper
228 100
226 31.8 24.5 36.7
229 20.6 15.8 23.6



#34
Bis(2-ethylhexyl)phthalate
Concen: 182.567 ng
RT: 21.562 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN022869.D
Acq: 25 Nov 2022 21:35

Tgt Ion:149 Resp: 5555539
Ion Ratio Lower Upper
149 100
167 29.5 21.3 31.9
279 3.2 2.3 3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.132 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN022869.D

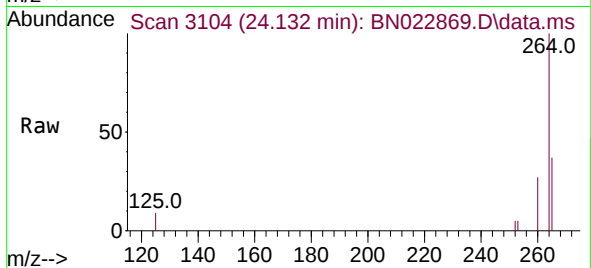
Acq: 25 Nov 2022 21:35

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



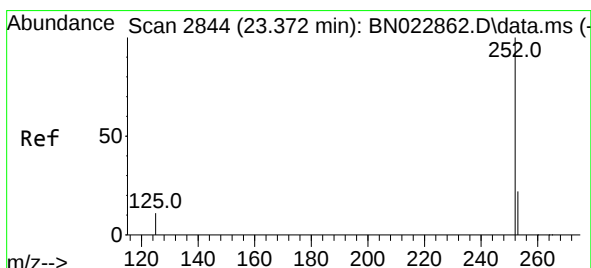
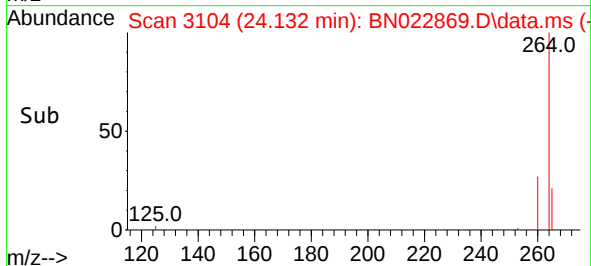
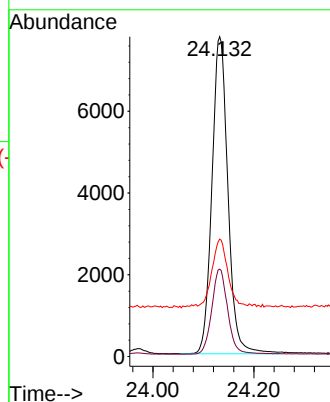
Tgt Ion:264 Resp: 17066

Ion Ratio Lower Upper

264 100

260 27.3 21.7 32.5

265 36.7 31.0 46.4



#37

Benzo(b)fluoranthene

Concen: 43.346 ng

RT: 23.375 min Scan# 2845

Delta R.T. 0.003 min

Lab File: BN022869.D

Acq: 25 Nov 2022 21:35

Tgt Ion:252 Resp: 3302074

Ion Ratio Lower Upper

252 100

253 22.6 18.5 27.7

125 11.5 10.8 16.2

