

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
 Data File : BN031458.D
 Acq On : 10 May 2024 10:04
 Operator : MA/JU
 Sample : P2252-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Quant Time: May 10 10:44:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 02:12:24 2024
 Response via : Initial Calibration

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

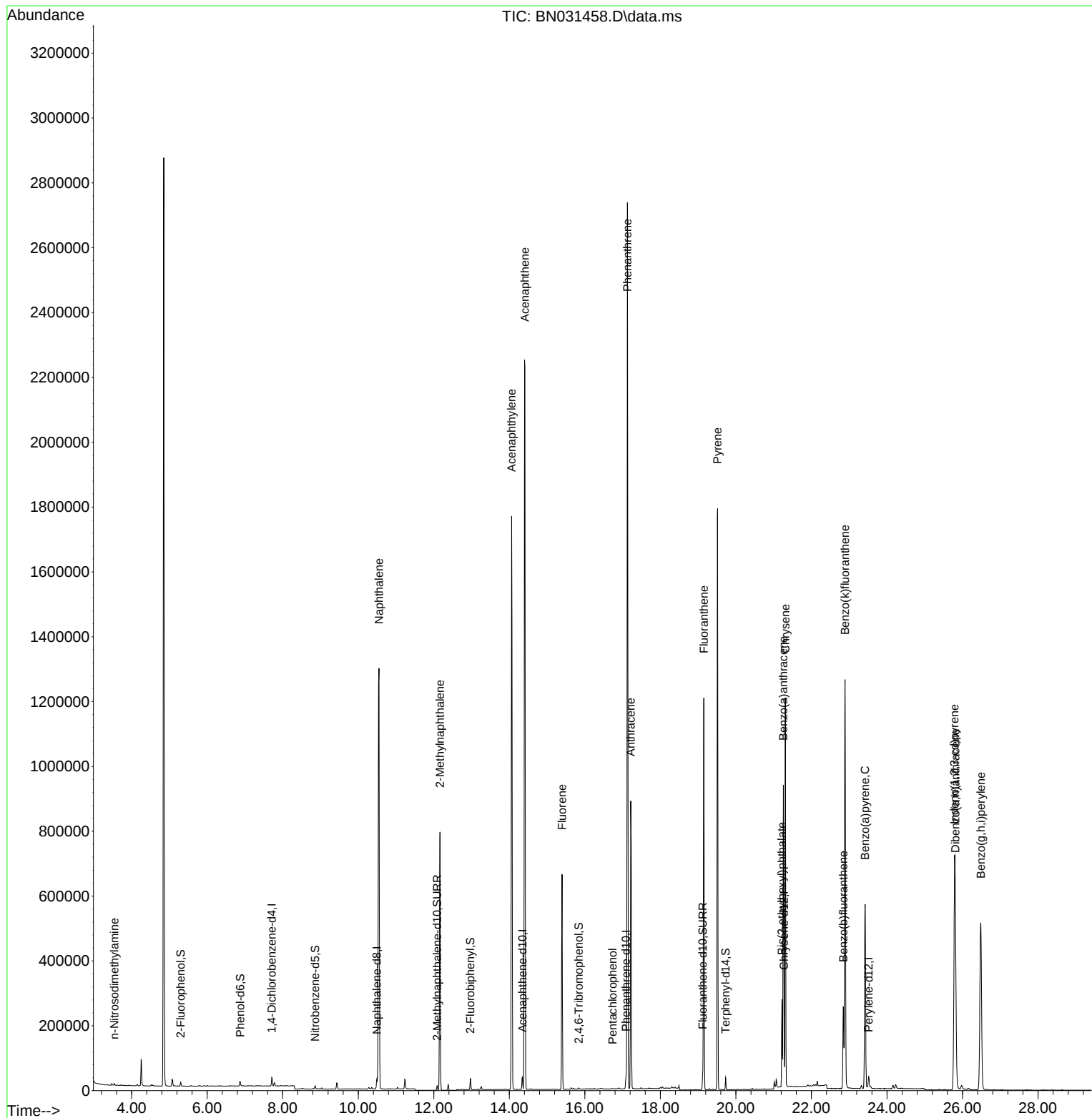
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	12238	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	40542	0.400	ng	# 0.00
13) Acenaphthene-d10	14.349	164	23274	0.400	ng	0.00
19) Phenanthrene-d10	17.091	188	53728	0.400	ng	0.00
29) Chrysene-d12	21.274	240	48091	0.400	ng	0.00
35) Perylene-d12	23.516	264	48163	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.299	112	9727	0.280	ng	0.00
5) Phenol-d6	6.873	99	14592	0.311	ng	0.00
8) Nitrobenzene-d5	8.862	82	8097	0.278	ng	0.00
11) 2-Methylnaphthalene-d10	12.088	152	19609	0.300	ng	0.00
14) 2,4,6-Tribromophenol	15.837	330	2245	0.254	ng	0.00
15) 2-Fluorobiphenyl	12.970	172	28551	0.318	ng	-0.01
27) Fluoranthene-d10	19.119	212	49464	0.332	ng	0.00
31) Terphenyl-d14	19.727	244	33609	0.286	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.544	42	454	0.031	ng	# 1
9) Naphthalene	10.549	128	1809738	16.062	ng	95
12) 2-Methylnaphthalene	12.164	142	569683	7.413	ng	97
16) Acenaphthylene	14.060	152	1961918	16.754	ng	100
17) Acenaphthene	14.413	154	1276868	17.487	ng	100
18) Fluorene	15.397	166	400913	4.197	ng	100
24) Pentachlorophenol	16.731	266	366	0.033	ng	96
25) Phenanthrene	17.128	178	2675173	17.791	ng	100
26) Anthracene	17.215	178	1005522	6.756	ng	100
28) Fluoranthene	19.151	202	1122809	6.146	ng	100
30) Pyrene	19.514	202	1587846	8.155	ng	100
32) Benzo(a)anthracene	21.256	228	785988	4.236	ng	99
33) Chrysene	21.309	228	925944	5.241	ng	99
34) Bis(2-ethylhexyl)phtha...	21.220	149	237680	2.188	ng	99
36) Indeno(1,2,3-cd)pyrene	25.788	276	1141833	5.949	ng	96
37) Benzo(b)fluoranthene	22.844	252	318282	1.841	ng	98
38) Benzo(k)fluoranthene	22.891	252	1578826	9.648	ng	97
39) Benzo(a)pyrene	23.423	252	823309	5.477	ng	96
40) Dibenzo(a,h)anthracene	25.811	278	557120	3.662	ng	97
41) Benzo(g,h,i)perylene	26.484	276	1083308	6.620	ng	98

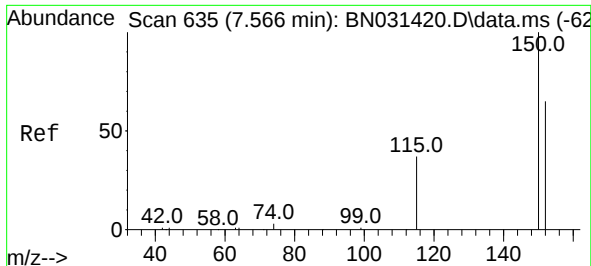
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
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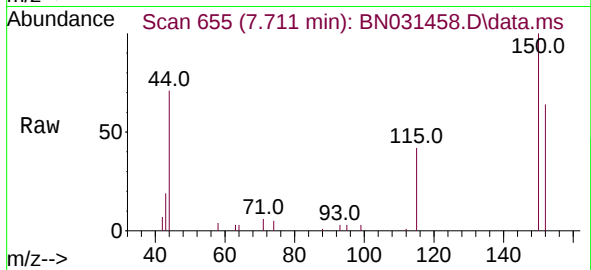
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Instrument :

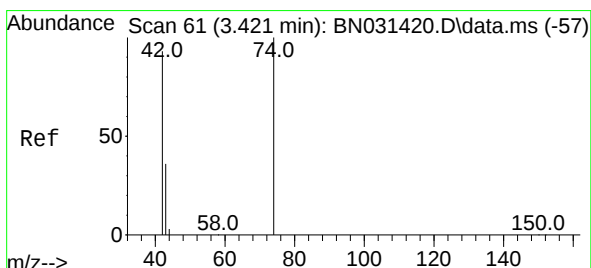
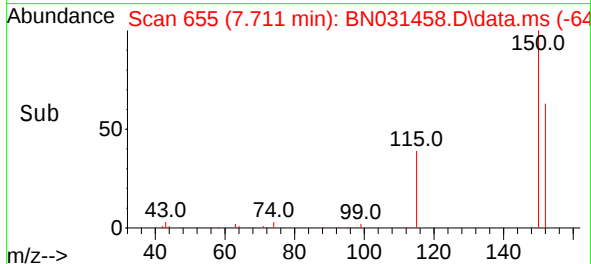
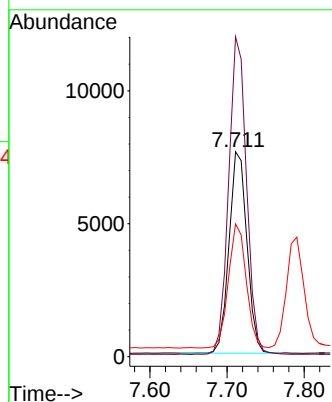
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ClientSampleId :

PT-PAH-SOIL

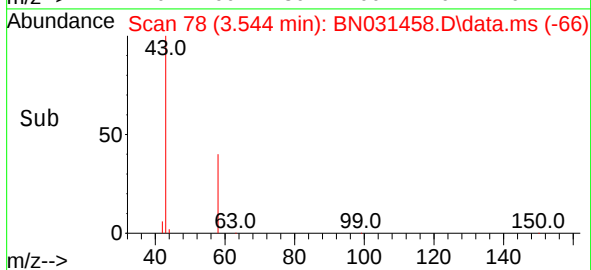
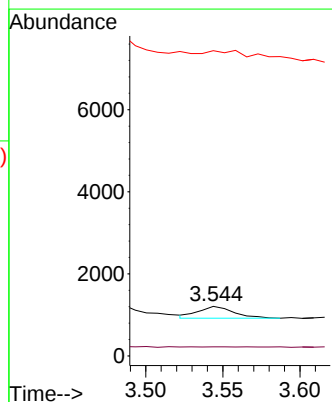
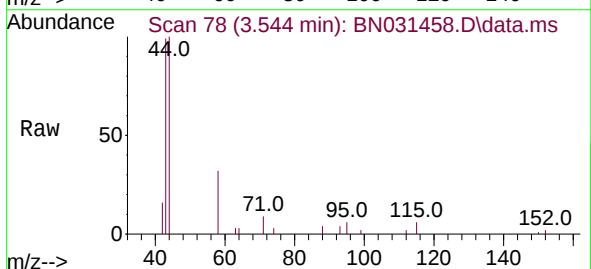


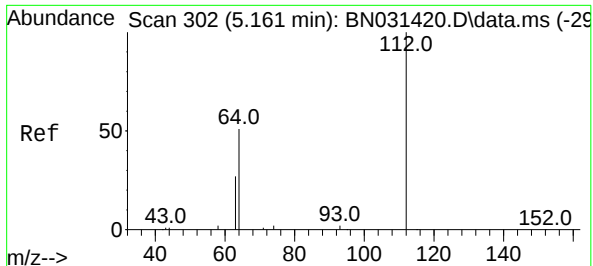
Tgt Ion:152 Resp: 12238
Ion Ratio Lower Upper
152 100
150 156.1 119.3 178.9
115 64.8 54.8 82.2



#3
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.544 min Scan# 78
Delta R.T. -0.015 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion: 42 Resp: 454
Ion Ratio Lower Upper
42 100
74 0.0 126.4 189.6#
44 153.5 6.9 10.3#

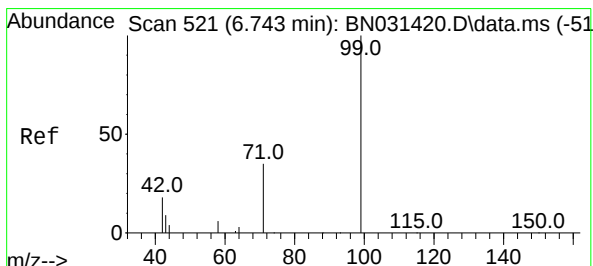
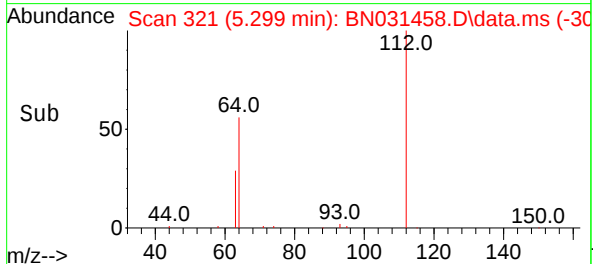
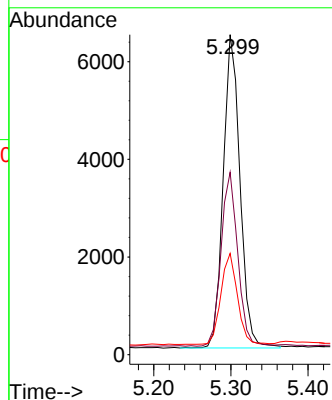
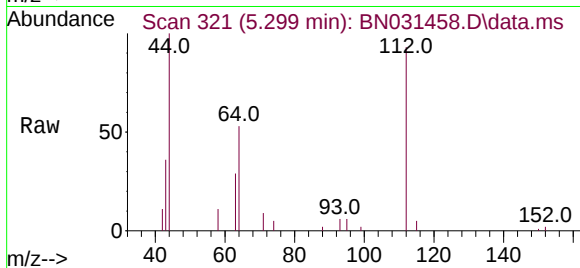




#4
2-Fluorophenol
Concen: 0.280 ng
RT: 5.299 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

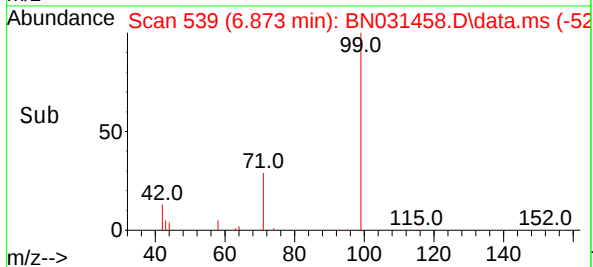
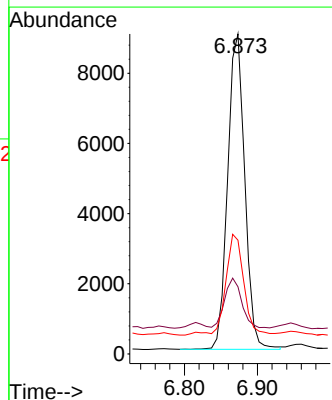
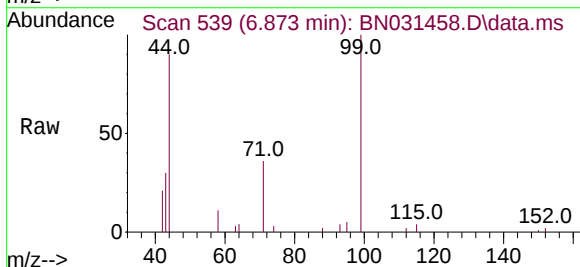
Instrument :
BNA_N
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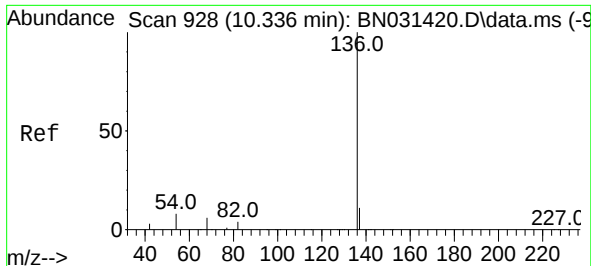
Tgt Ion:112 Resp: 9727
Ion Ratio Lower Upper
112 100
64 55.4 44.0 66.0
63 28.8 22.2 33.4



#5
Phenol-d6
Concen: 0.311 ng
RT: 6.873 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion: 99 Resp: 14592
Ion Ratio Lower Upper
99 100
42 15.6 13.5 20.3
71 31.4 26.1 39.1

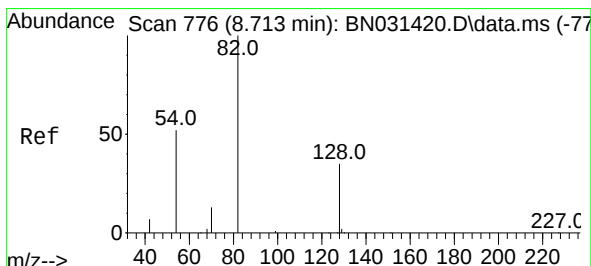
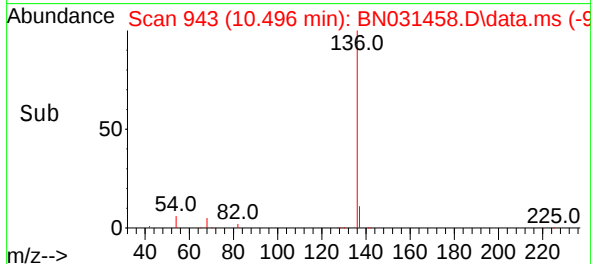
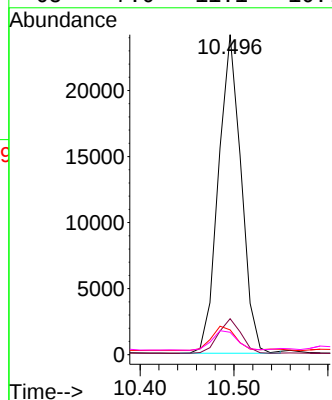
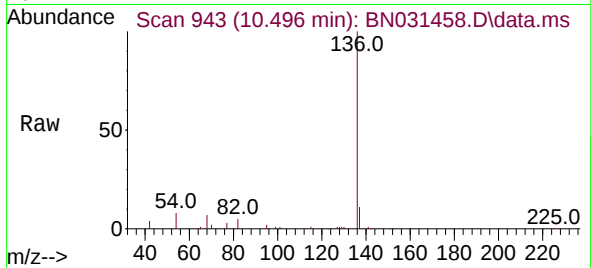




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

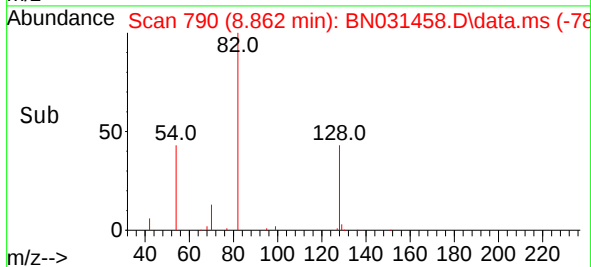
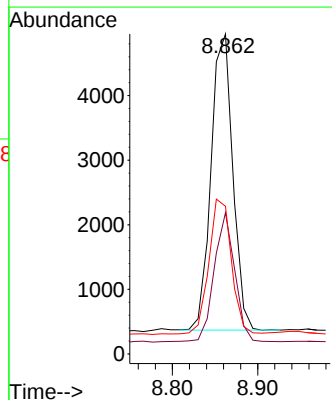
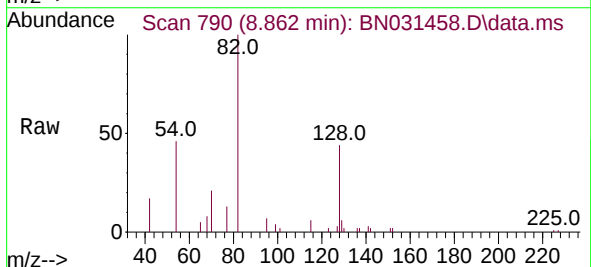
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

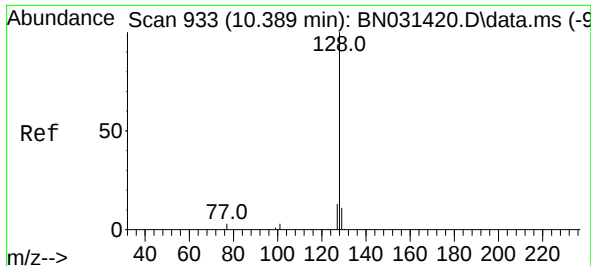
Tgt Ion:136 Resp: 40542
Ion Ratio Lower Upper
136 100
137 11.2 10.1 15.1
54 7.8 10.5 15.7#
68 7.0 11.1 16.7#



#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.862 min Scan# 790
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion: 82 Resp: 8097
Ion Ratio Lower Upper
82 100
128 44.2 29.0 43.6#
54 46.1 37.2 55.8

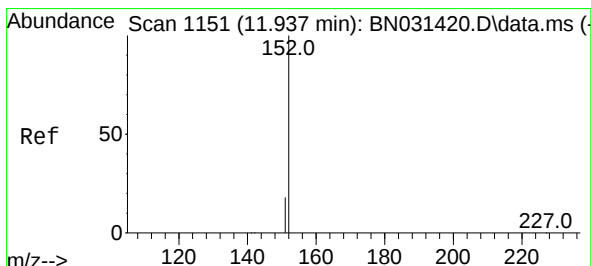
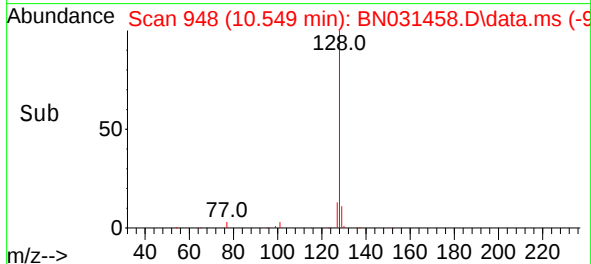
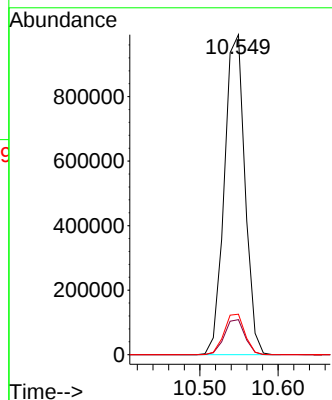
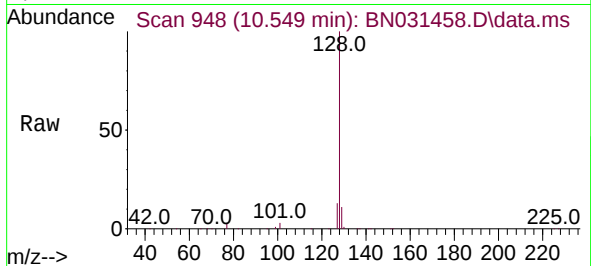




#9
Naphthalene
Concen: 16.062 ng
RT: 10.549 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

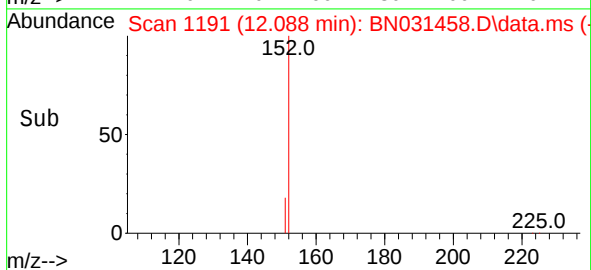
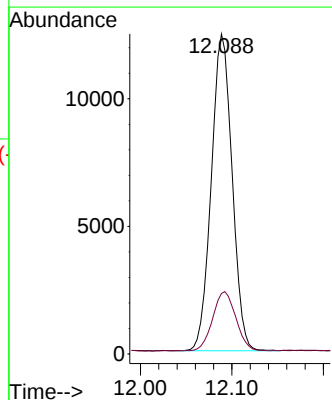
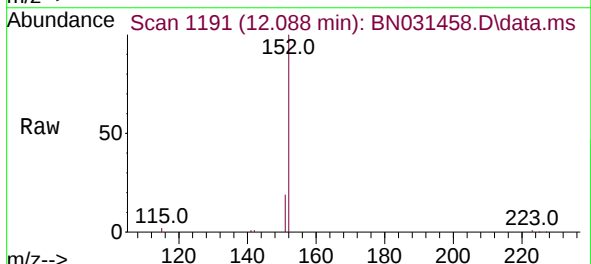
Instrument :
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ClientSampleId :
PT-PAH-SOIL

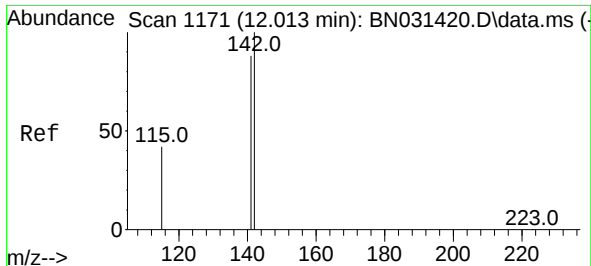
Tgt Ion:128 Resp: 1809738
Ion Ratio Lower Upper
128 100
129 11.0 10.2 15.4
127 12.6 11.7 17.5



#11
2-Methylnaphthalene-d10
Concen: 0.300 ng
RT: 12.088 min Scan# 1191
Delta R.T. -0.004 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:152 Resp: 19609
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0





#12

2-Methylnaphthalene

Concen: 7.413 ng

RT: 12.164 min Scan# 1491

Delta R.T. -0.004 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

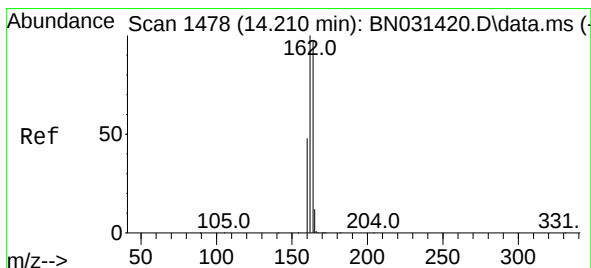
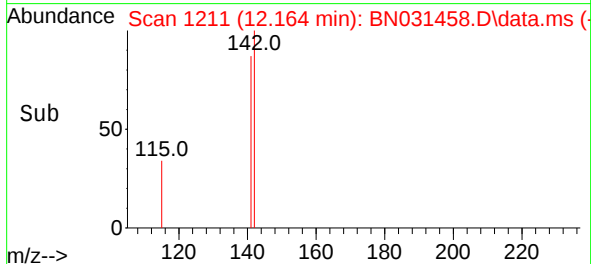
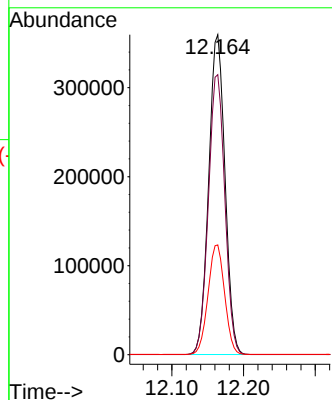
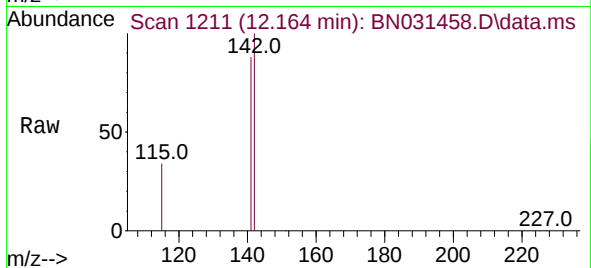
Tgt Ion:142 Resp: 569683

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6

115 34.3 30.2 45.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.349 min Scan# 1491

Delta R.T. -0.000 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

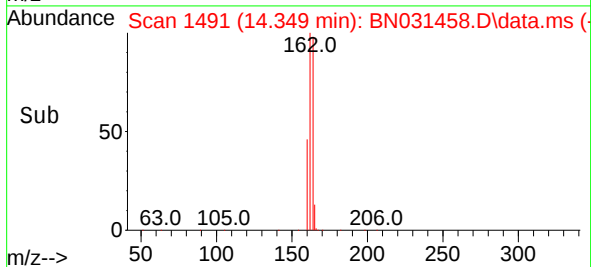
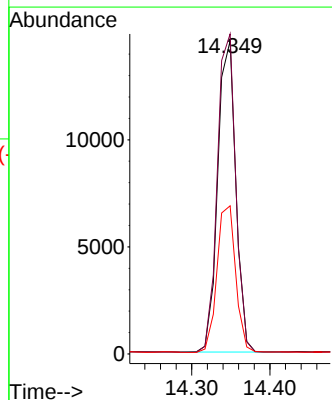
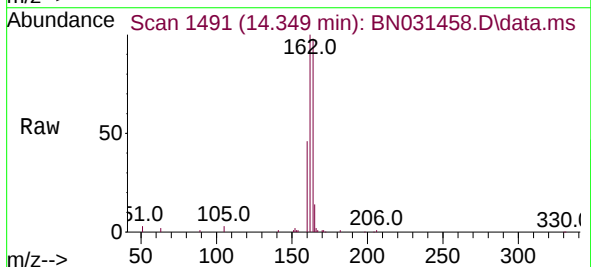
Tgt Ion:164 Resp: 23274

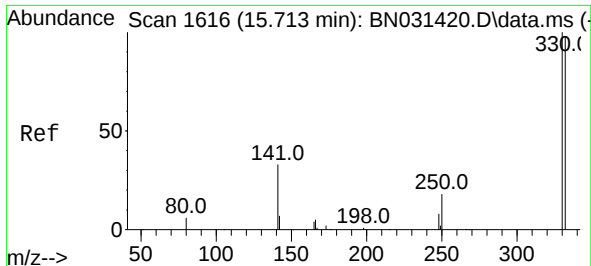
Ion Ratio Lower Upper

164 100

162 102.2 81.2 121.8

160 47.3 37.0 55.6

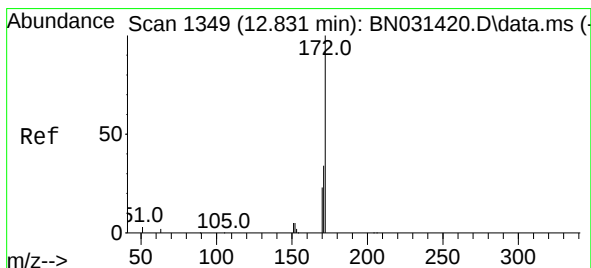
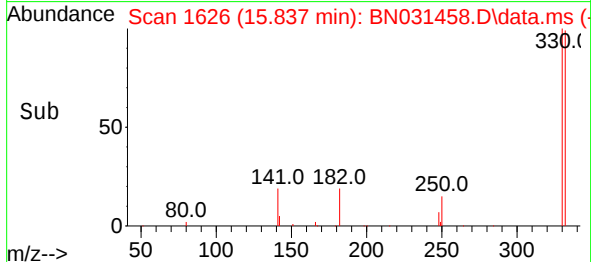
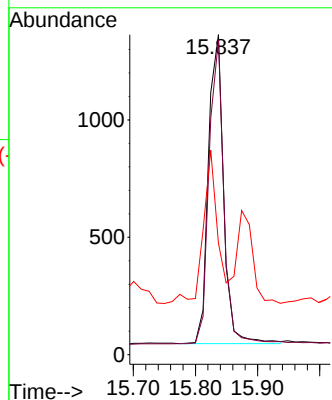
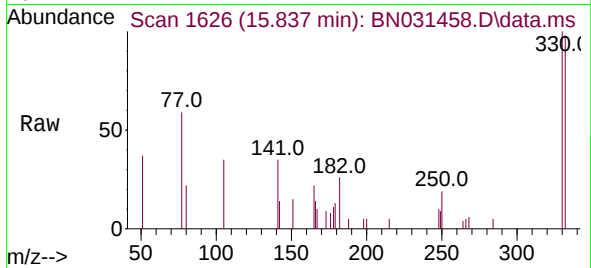




#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

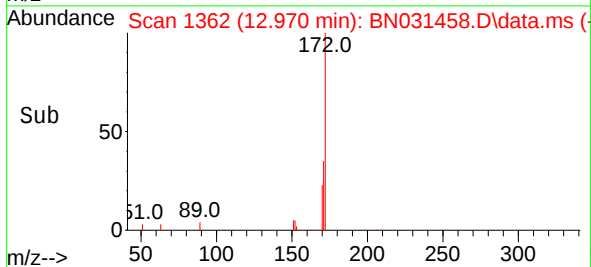
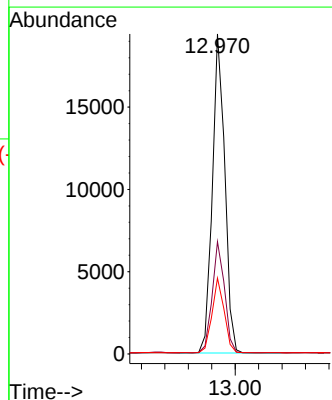
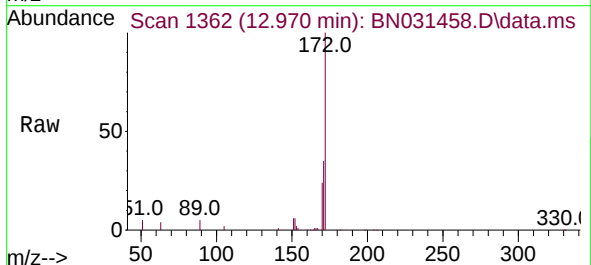
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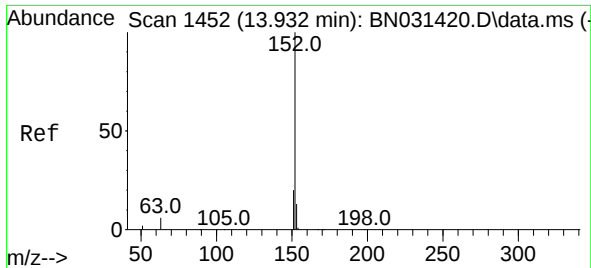
Tgt Ion:330 Resp: 2245
Ion Ratio Lower Upper
330 100
332 94.7 76.6 114.8
141 44.5 37.0 55.4



#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.970 min Scan# 1362
Delta R.T. -0.011 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:172 Resp: 28551
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.8
170 23.7 18.3 27.5

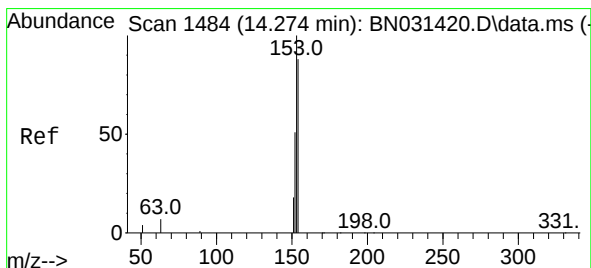
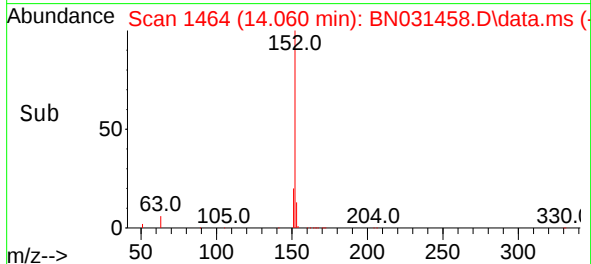
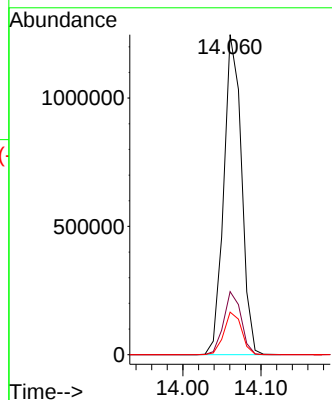
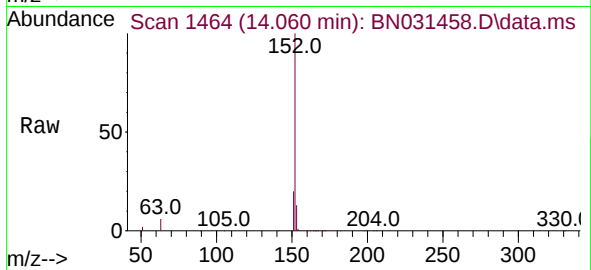




#16
Acenaphthylene
Concen: 16.754 ng
RT: 14.060 min Scan# 1464
Delta R.T. -0.011 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

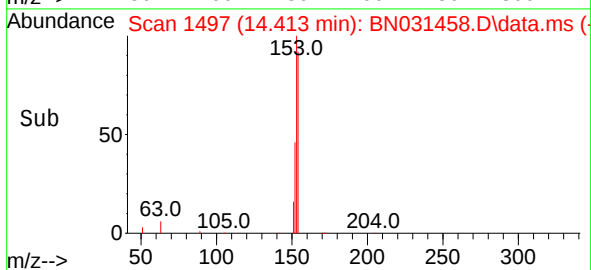
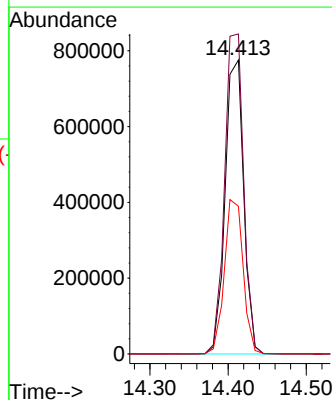
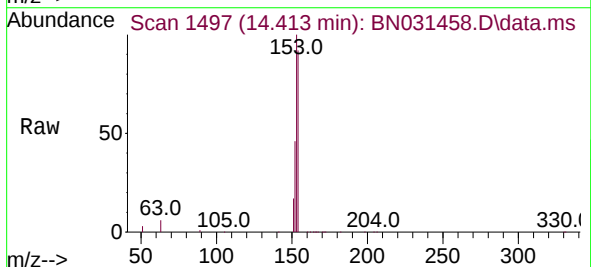
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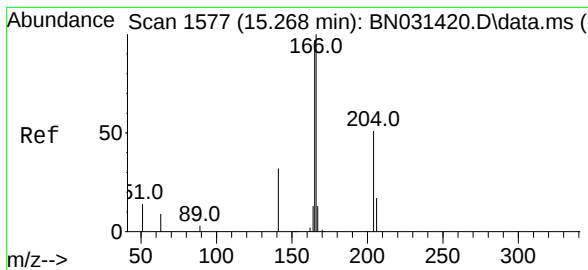
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Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.3 10.5 15.7



#17
Acenaphthene
Concen: 17.487 ng
RT: 14.413 min Scan# 1497
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:154 Resp: 1276868
Ion Ratio Lower Upper
154 100
153 111.6 89.1 133.7
152 53.1 42.6 64.0

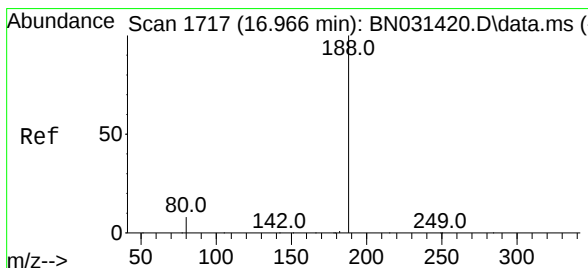
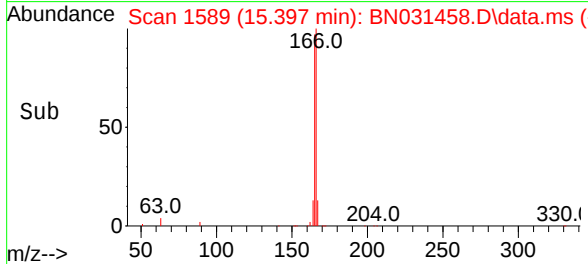
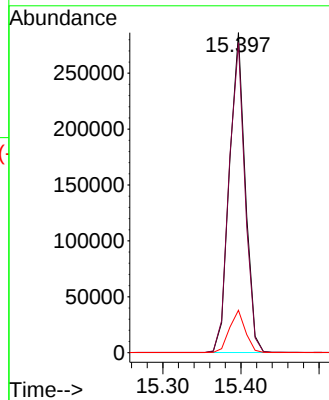
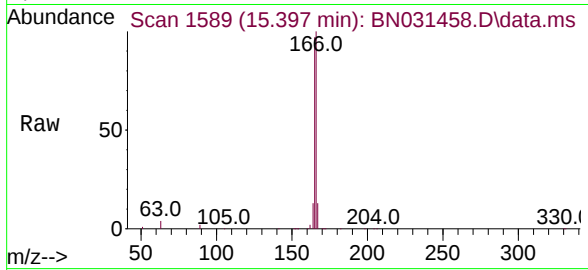




#18
 Fluorene
 Concen: 4.197 ng
 RT: 15.397 min Scan# 1589
 Delta R.T. -0.000 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

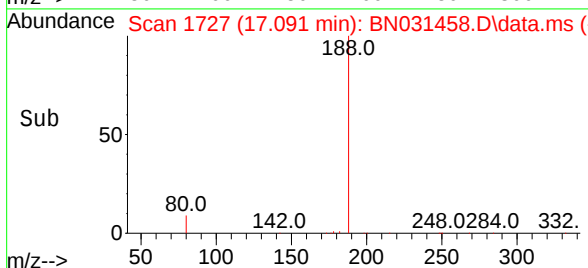
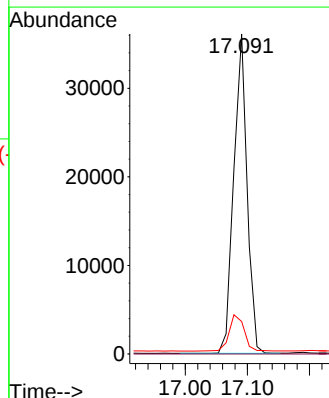
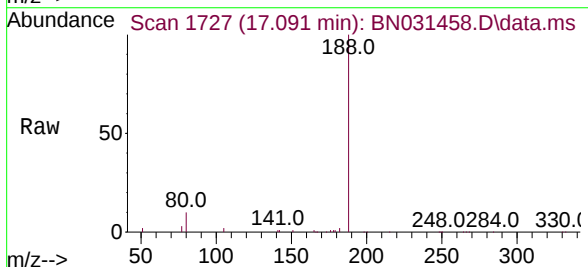
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

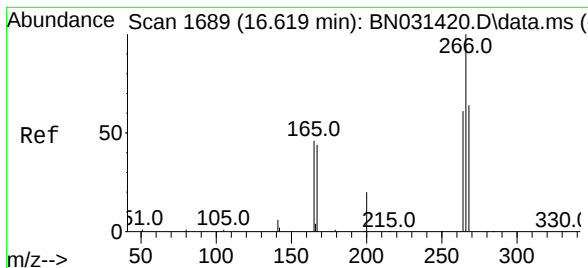
Tgt Ion:166 Resp: 400913
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.2 117.2
 167 13.2 10.8 16.2



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.091 min Scan# 1727
 Delta R.T. -0.000 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Tgt Ion:188 Resp: 53728
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 10.1 9.6 14.4





#24

Pentachlorophenol

Concen: 0.033 ng

RT: 16.731 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

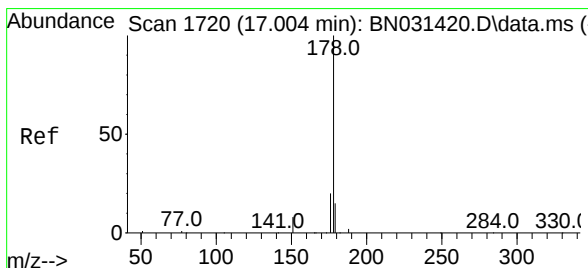
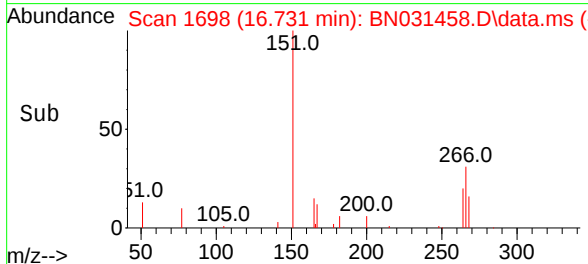
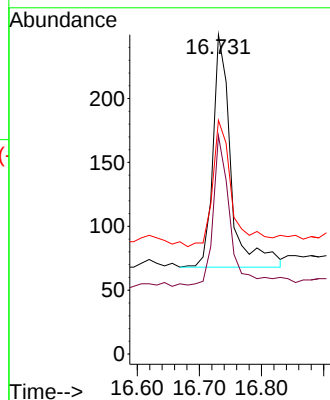
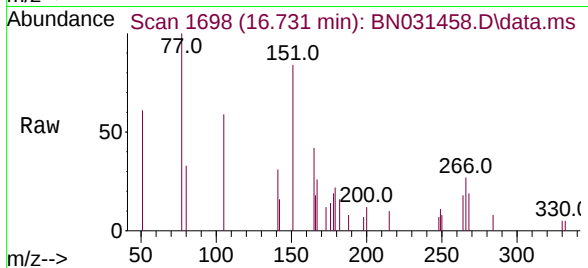
Tgt Ion:266 Resp: 366

Ion Ratio Lower Upper

266 100

264 59.0 50.6 75.8

268 59.3 49.0 73.4



#25

Phenanthrene

Concen: 17.791 ng

RT: 17.128 min Scan# 1730

Delta R.T. -0.000 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

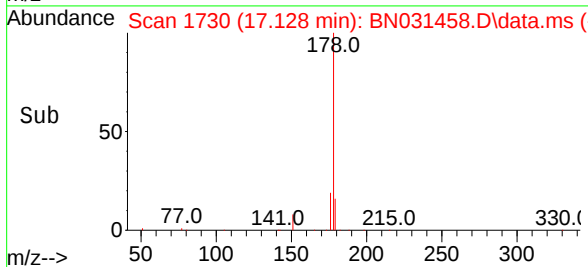
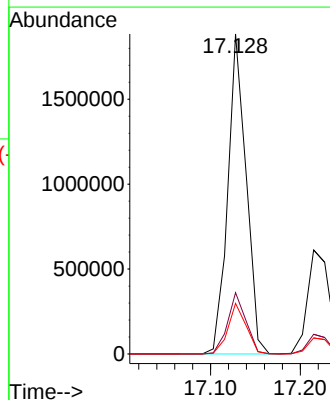
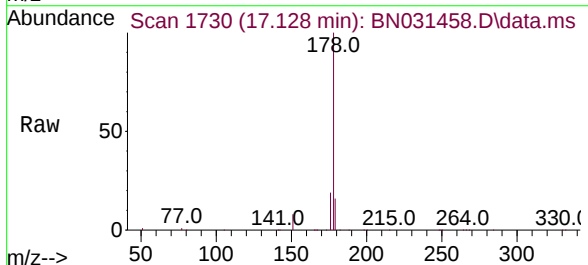
Tgt Ion:178 Resp: 2675173

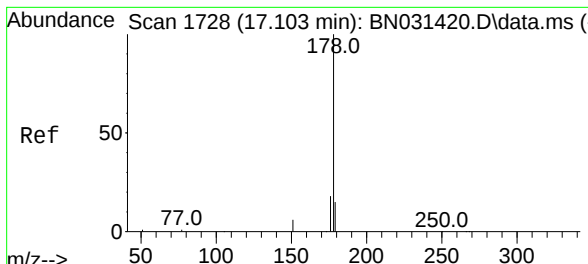
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 12.3 18.5



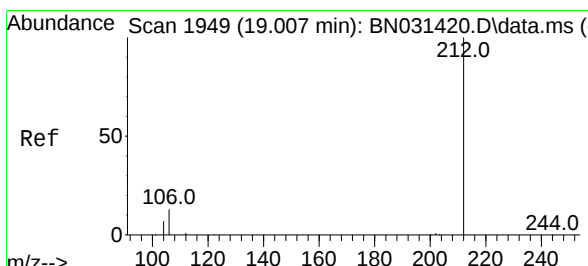
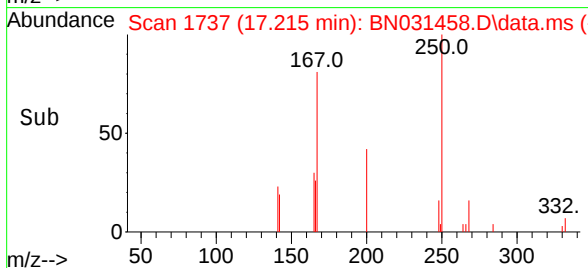
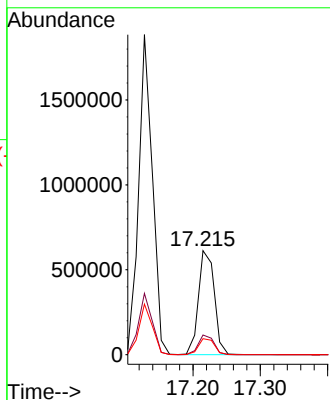
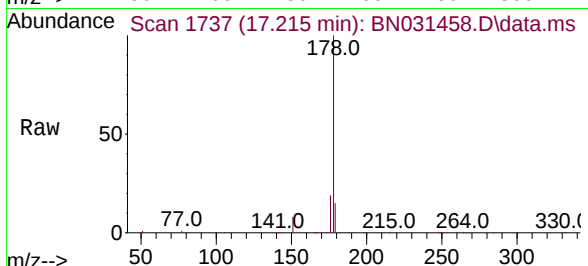


#26
 Anthracene
 Concen: 6.756 ng
 RT: 17.215 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:178 Resp: 1005522

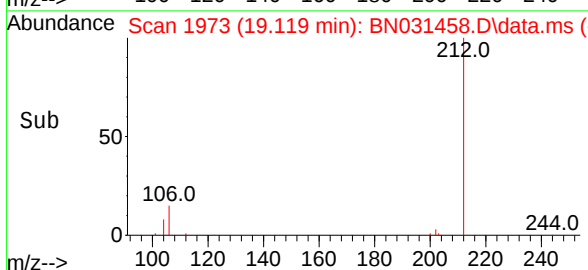
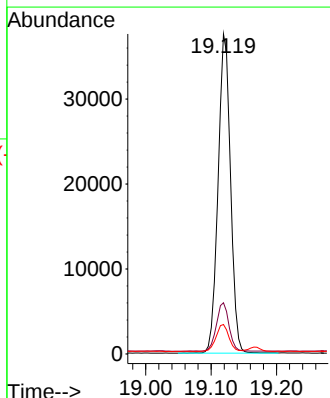
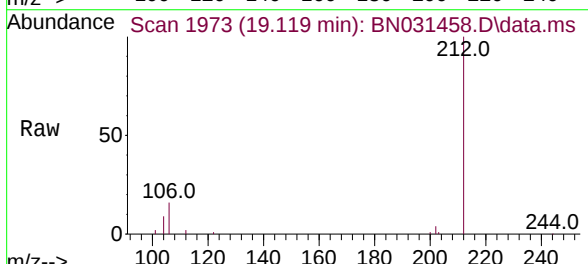
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	12.4	18.6

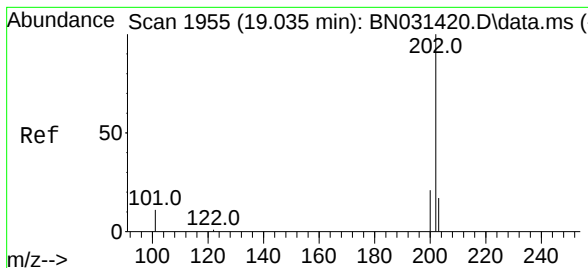


#27
 Fluoranthene-d10
 Concen: 0.332 ng
 RT: 19.119 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Tgt Ion:212 Resp: 49464

Ion	Ratio	Lower	Upper
212	100		
106	15.4	12.0	18.0
104	8.7	6.9	10.3





#28

Fluoranthene

Concen: 6.146 ng

RT: 19.151 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

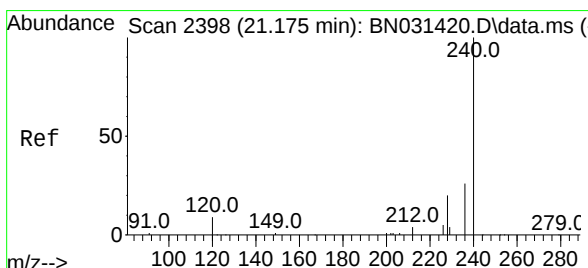
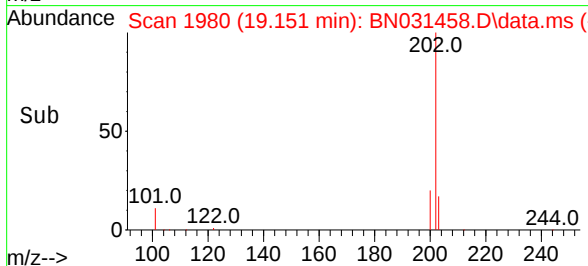
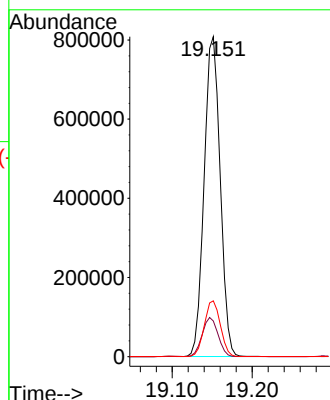
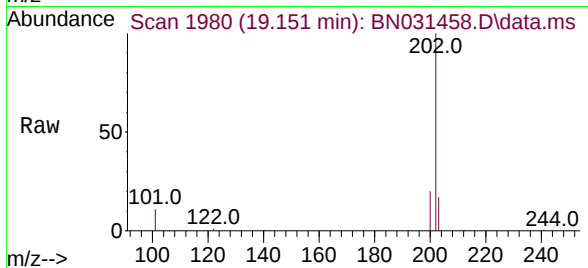
Tgt Ion:202 Resp: 1122809

Ion Ratio Lower Upper

202 100

101 12.1 9.8 14.6

203 17.4 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.274 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

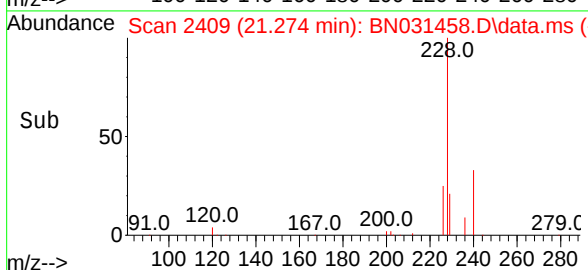
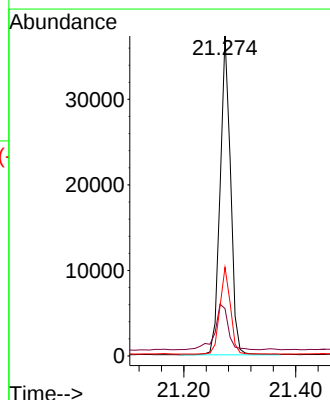
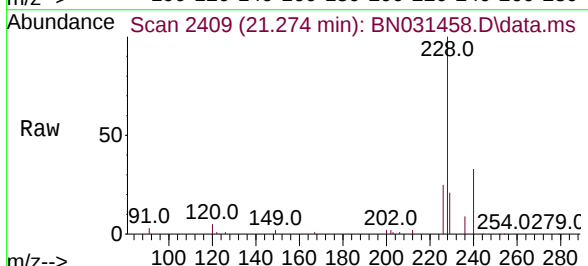
Tgt Ion:240 Resp: 48091

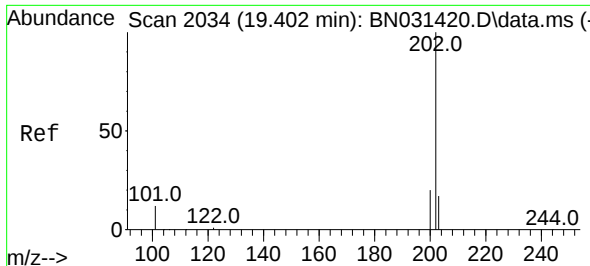
Ion Ratio Lower Upper

240 100

120 14.8 11.4 17.2

236 27.7 22.2 33.4

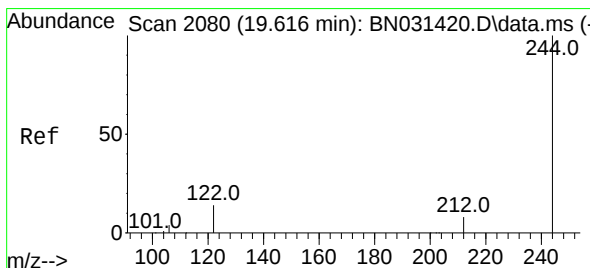
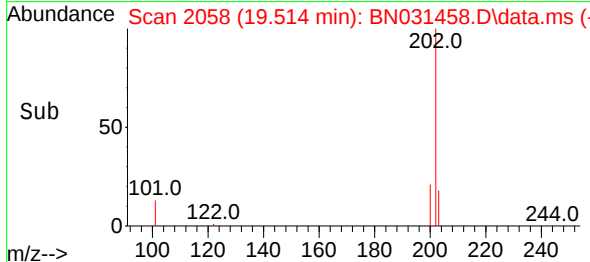
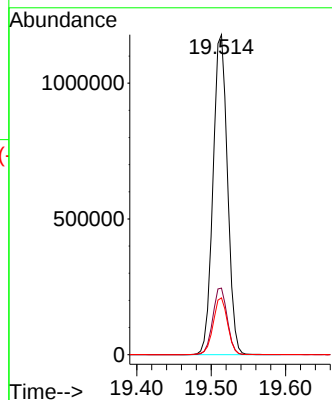
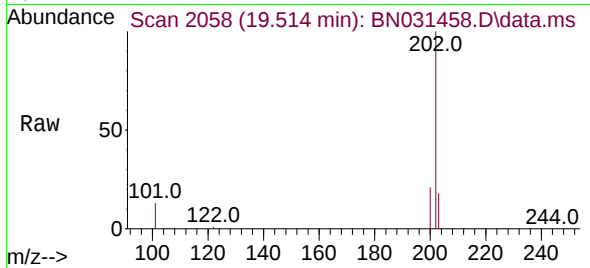




#30
Pyrene
Concen: 8.155 ng
RT: 19.514 min Scan# 2104
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

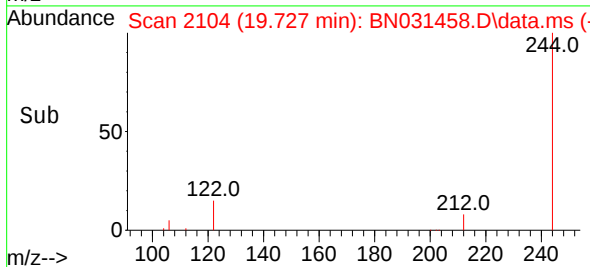
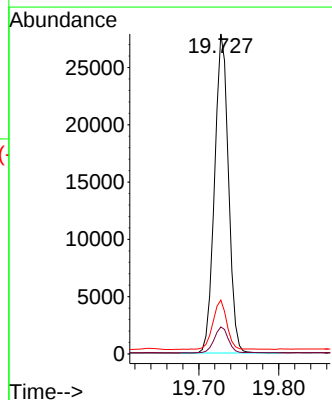
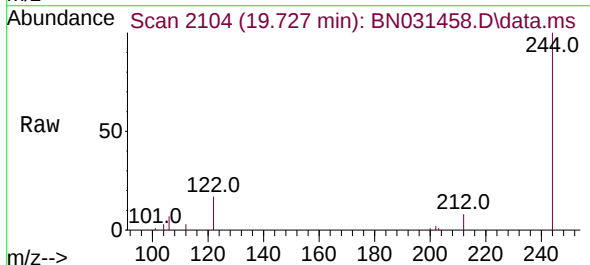
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

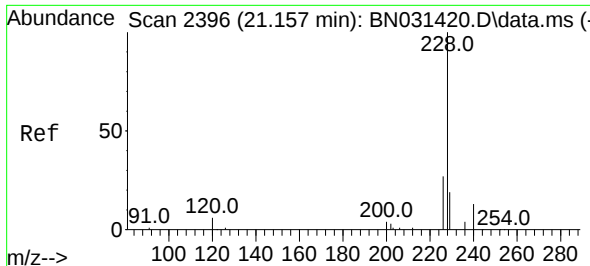
Tgt Ion:202 Resp: 1587846
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 17.8 14.3 21.5



#31
Terphenyl-d14
Concen: 0.286 ng
RT: 19.727 min Scan# 2104
Delta R.T. -0.005 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:244 Resp: 33609
Ion Ratio Lower Upper
244 100
212 8.5 6.5 9.7
122 16.9 11.4 17.2

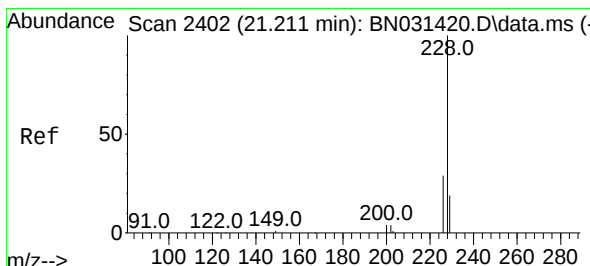
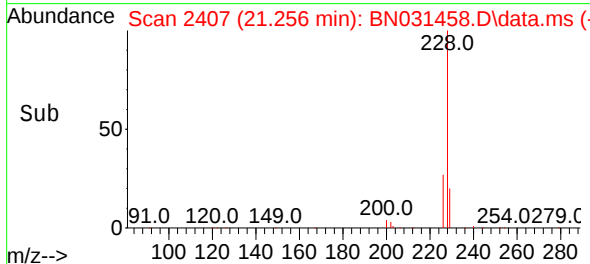
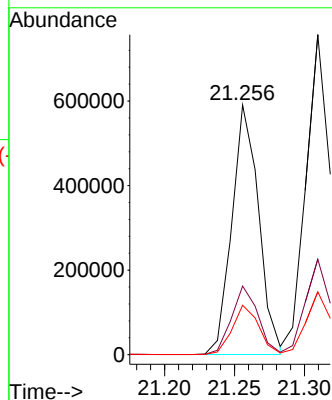
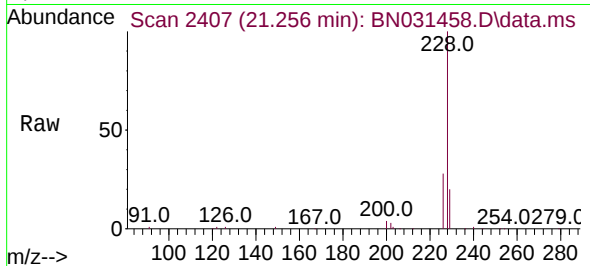




#32
Benzo(a)anthracene
Concen: 4.236 ng
RT: 21.256 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

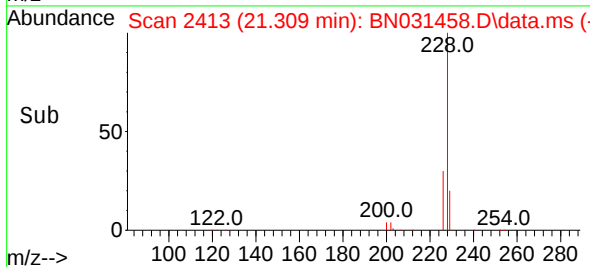
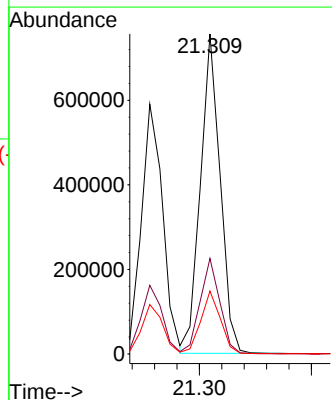
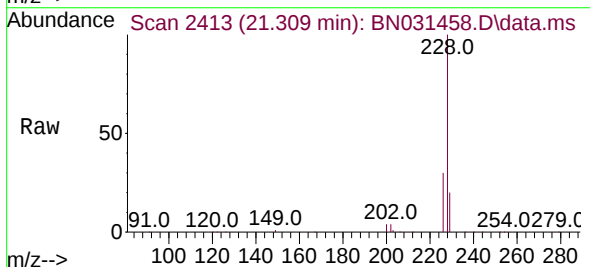
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

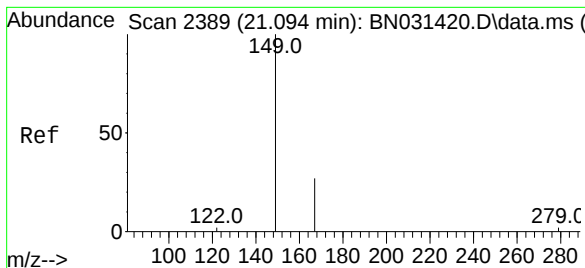
Tgt Ion:228 Resp: 785988
Ion Ratio Lower Upper
228 100
226 27.5 22.4 33.6
229 19.8 15.5 23.3



#33
Chrysene
Concen: 5.241 ng
RT: 21.309 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:228 Resp: 925944
Ion Ratio Lower Upper
228 100
226 29.9 24.5 36.7
229 19.6 15.8 23.8

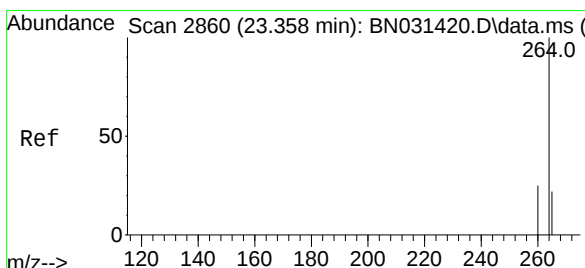
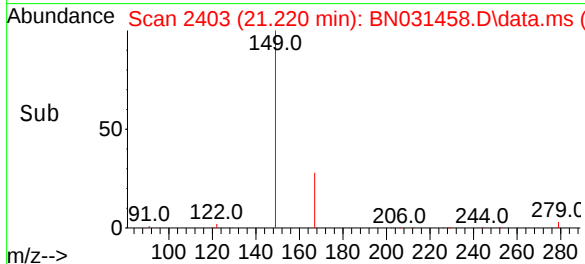
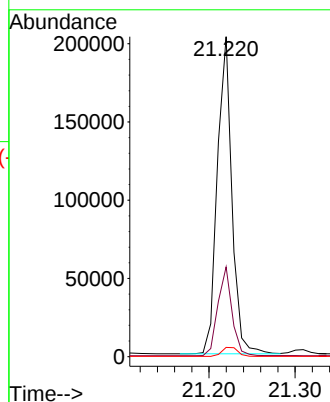
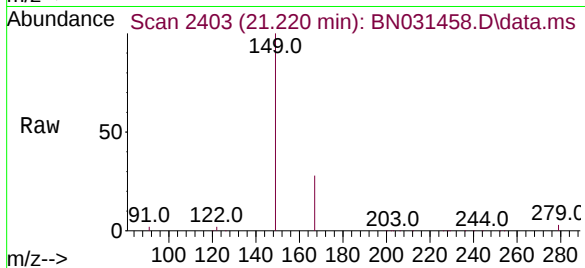




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.188 ng
 RT: 21.220 min Scan# 2403
 Delta R.T. -0.000 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

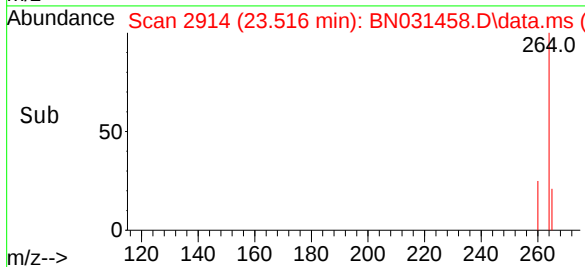
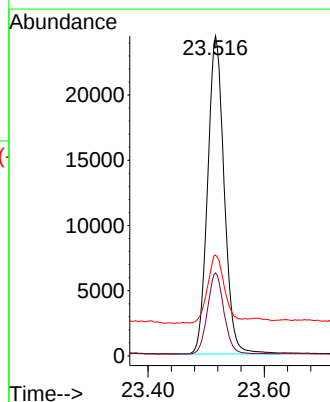
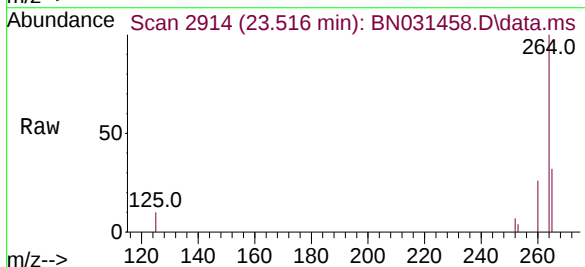
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

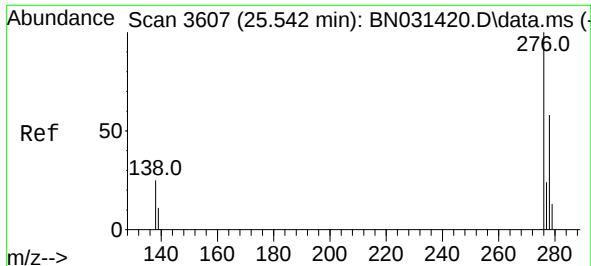
Tgt Ion:149 Resp: 237680
 Ion Ratio Lower Upper
 149 100
 167 27.1 22.1 33.1
 279 3.2 2.7 4.1



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.516 min Scan# 2914
 Delta R.T. -0.003 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Tgt Ion:264 Resp: 48163
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.6 31.0
 265 31.6 24.0 36.0





#36

Indeno(1,2,3-cd)pyrene

Concen: 5.949 ng

RT: 25.788 min Scan# 3691

Delta R.T. -0.006 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOIL

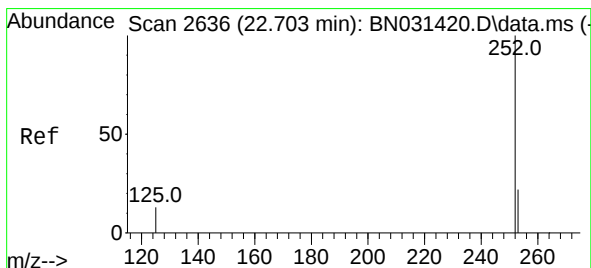
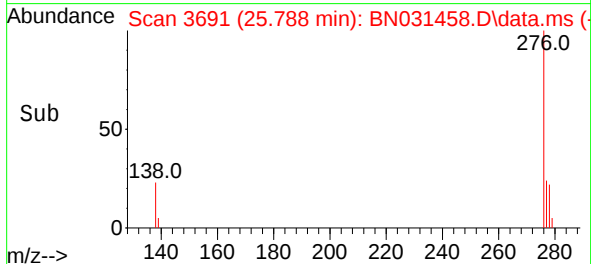
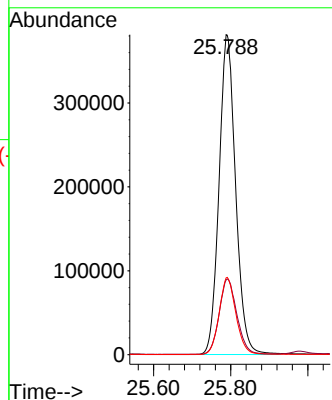
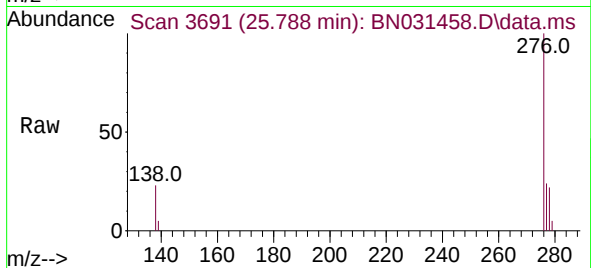
Tgt Ion:276 Resp: 1141833

Ion Ratio Lower Upper

276 100

138 25.1 23.0 34.6

277 24.3 19.9 29.9



#37

Benzo(b)fluoranthene

Concen: 1.841 ng

RT: 22.844 min Scan# 2684

Delta R.T. -0.003 min

Lab File: BN031458.D

Acq: 10 May 2024 10:04

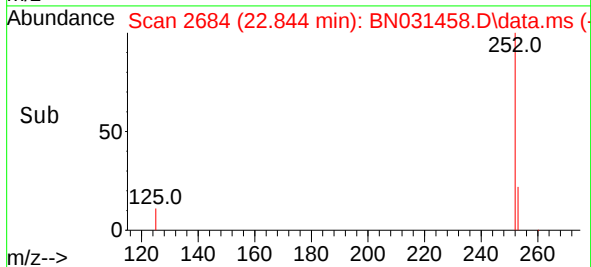
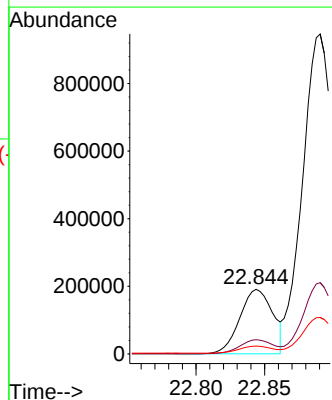
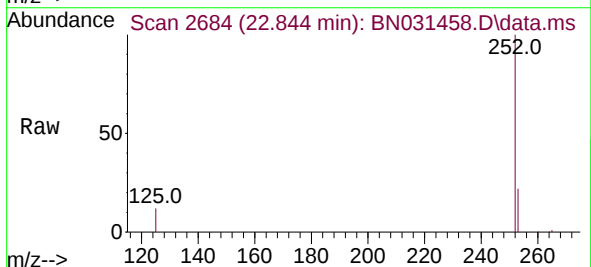
Tgt Ion:252 Resp: 318282

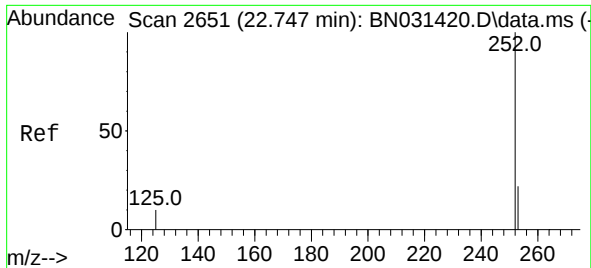
Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

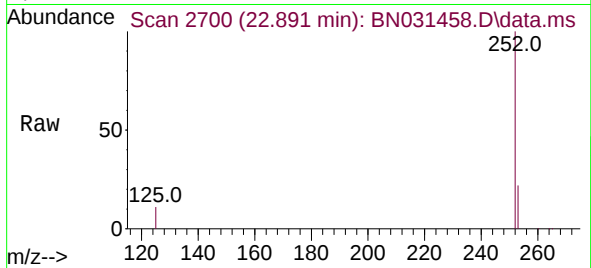
125 12.2 10.5 15.7



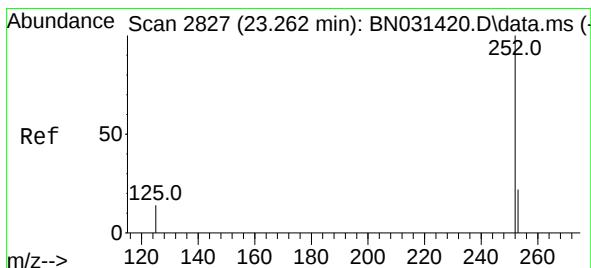
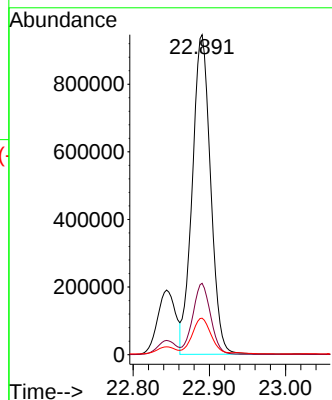


#38
Benzo(k)fluoranthene
Concen: 9.648 ng
RT: 22.891 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

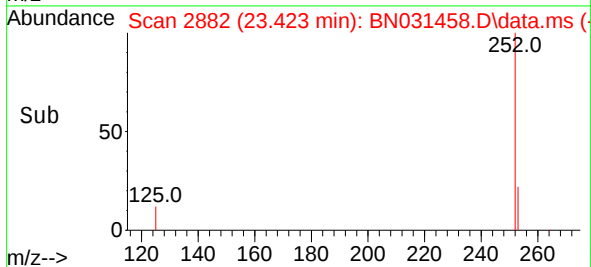
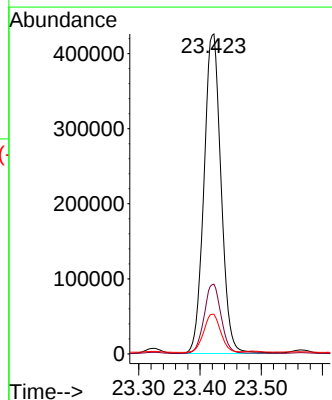
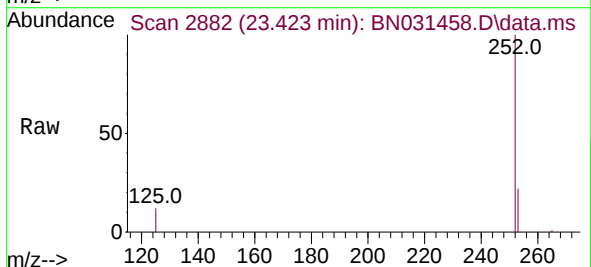


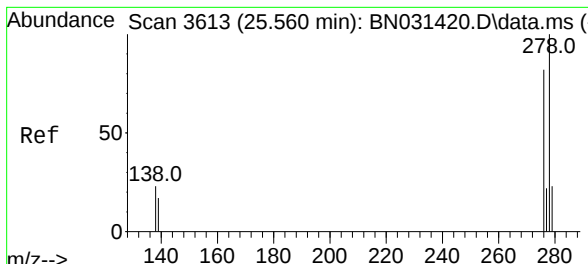
Tgt Ion:252 Resp: 1578826
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 11.4 11.0 16.6



#39
Benzo(a)pyrene
Concen: 5.477 ng
RT: 23.423 min Scan# 2882
Delta R.T. -0.000 min
Lab File: BN031458.D
Acq: 10 May 2024 10:04

Tgt Ion:252 Resp: 823309
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 12.4 11.9 17.9



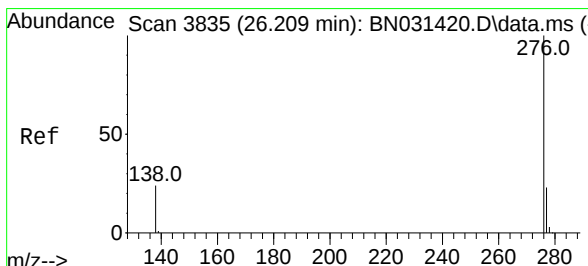
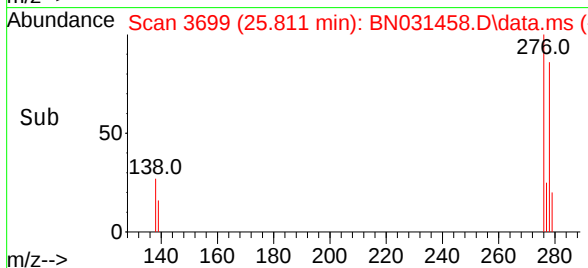
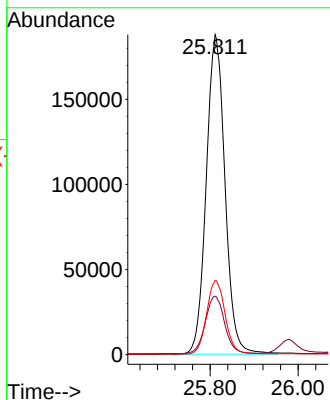
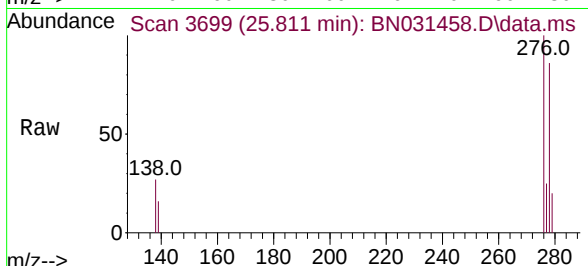


#40
 Dibenzo(a,h)anthracene
 Concen: 3.662 ng
 RT: 25.811 min Scan# 3092
 Delta R.T. -0.009 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

Tgt Ion:278 Resp: 557120

Ion	Ratio	Lower	Upper
278	100		
139	18.3	15.9	23.9
279	23.2	19.8	29.8



#41
 Benzo(g,h,i)perylene
 Concen: 6.620 ng
 RT: 26.484 min Scan# 3929
 Delta R.T. -0.000 min
 Lab File: BN031458.D
 Acq: 10 May 2024 10:04

Tgt Ion:276 Resp: 1083308

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	23.8	20.4	30.6

