

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
 Data File : BN031460.D
 Acq On : 10 May 2024 11:57
 Operator : MA/JU
 Sample : P2252-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 10 12:45:53 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)

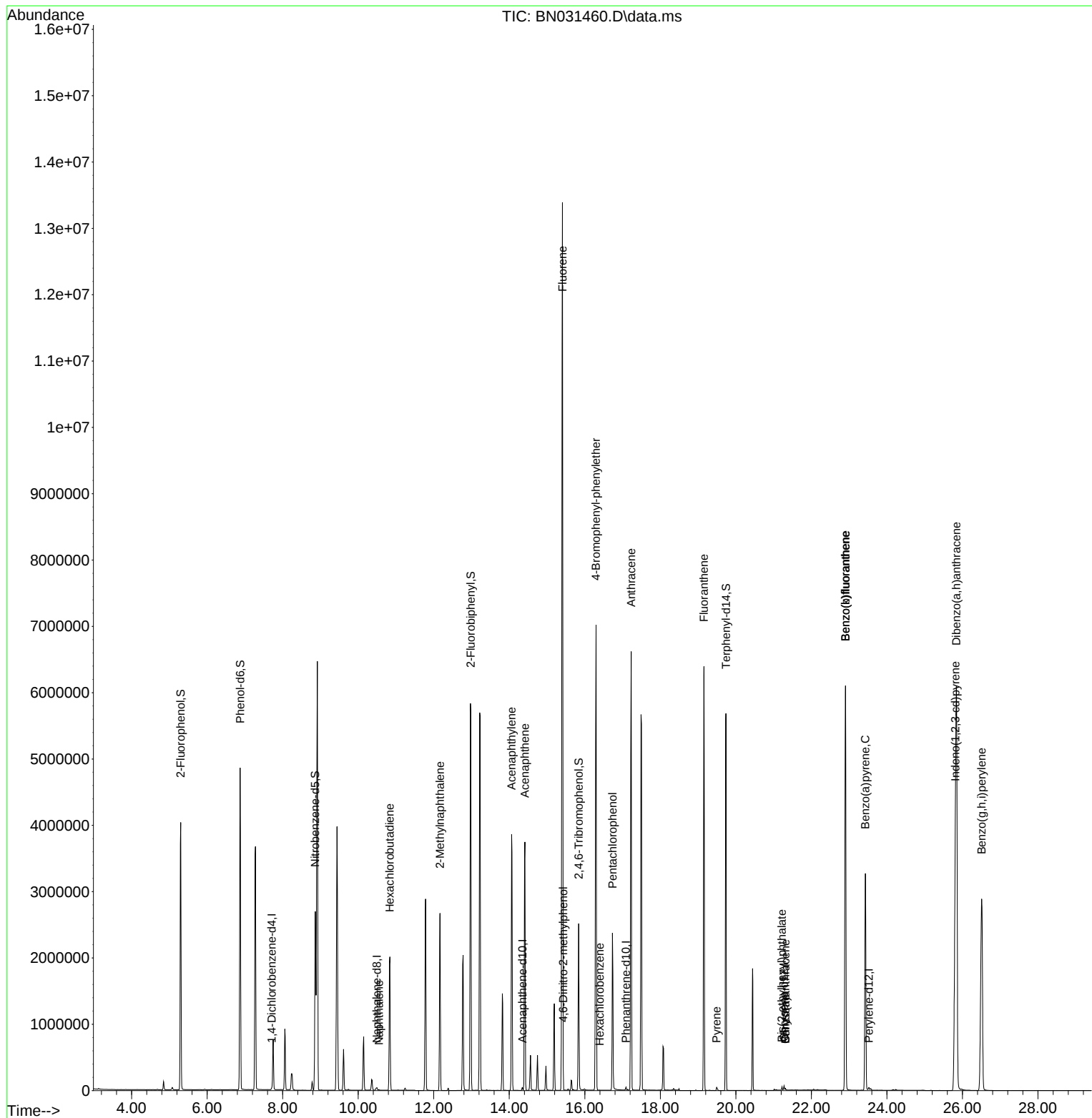
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	14152	0.400	ng	0.00
7) Naphthalene-d8	10.496	136	45725	0.400	ng	# 0.00
13) Acenaphthene-d10	14.349	164	25979	0.400	ng	0.00
19) Phenanthrene-d10	17.091	188	58759	0.400	ng	0.00
29) Chrysene-d12	21.274	240	53124	0.400	ng	0.00
35) Perylene-d12	23.522	264	50574	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.299	112	3355655	83.484	ng	0.00
5) Phenol-d6	6.873	99	4760344	87.867	ng	0.00
8) Nitrobenzene-d5	8.862	82	2415410	73.603	ng	0.00
11) 2-Methylnaphthalene-d10	12.104	152	7	0.000	ng	0.01
14) 2,4,6-Tribromophenol	15.837	330	1334941	135.403	ng	0.00
15) 2-Fluorobiphenyl	12.981	172	5777483	57.681	ng	0.00
27) Fluoranthene-d10	19.119	212	8	0.000	ng	0.00
31) Terphenyl-d14	19.737	244	6173393	47.495	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.549	128	9762	0.077	ng	98
10) Hexachlorobutadiene	10.838	225	1771118	79.464	ng	# 98
12) 2-Methylnaphthalene	12.164	142	1977504	22.817	ng	97
16) Acenaphthylene	14.060	152	4613710	35.297	ng	99
17) Acenaphthene	14.413	154	2112689	25.921	ng	99
18) Fluorene	15.407	166	10157325	95.258	ng	96
20) 4,6-Dinitro-2-methylph...	15.429	198	231	0.048	ng	# 30
21) 4-Bromophenyl-phenylether	16.296	248	2997280	87.082	ng	97
22) Hexachlorobenzene	16.396	284	988	0.028	ng	# 39
24) Pentachlorophenol	16.731	266	1098905	89.605	ng	98
26) Anthracene	17.227	178	7263329	44.624	ng	99
28) Fluoranthene	19.156	202	6107245	30.570	ng	98
30) Pyrene	19.491	202	18752	0.087	ng	# 1
32) Benzo(a)anthracene	21.310	228	17634	0.086	ng	96
33) Chrysene	21.310	228	22270	0.114	ng	99
34) Bis(2-ethylhexyl)phtha...	21.220	149	43942	0.366	ng	99
36) Indeno(1,2,3-cd)pyrene	25.808	276	6399837	31.751	ng	# 70
37) Benzo(b)fluoranthene	22.902	252	8578460	47.264	ng	98
38) Benzo(k)fluoranthene	22.902	252	8587160	49.973	ng	97
39) Benzo(a)pyrene	23.429	252	4713639	29.864	ng	97
40) Dibenzo(a,h)anthracene	25.841	278	8990259	56.276	ng	99
41) Benzo(g,h,i)perylene	26.507	276	6352446	36.968	ng	99

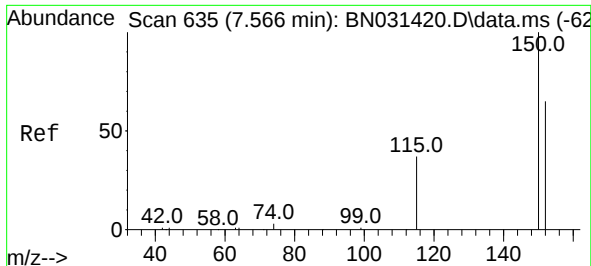
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051024\
Data File : BN031460.D
Acq On : 10 May 2024 11:57
Operator : MA/JU
Sample : P2252-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
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PT-BNA-SOIL

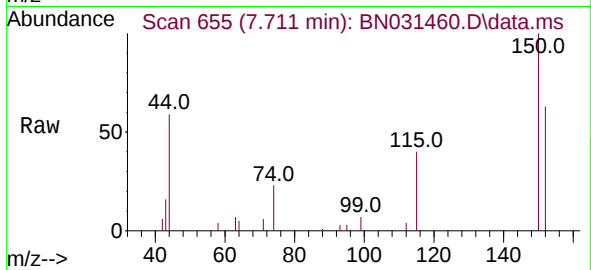
Quant Time: May 10 12:45:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN050924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 02:12:24 2024
Response via : Initial Calibration



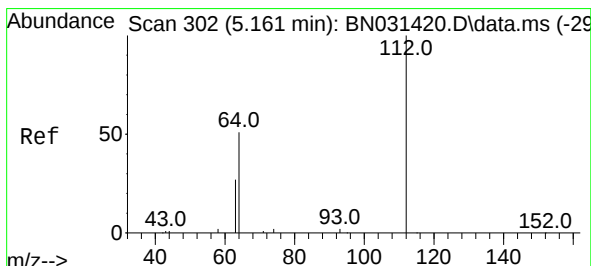
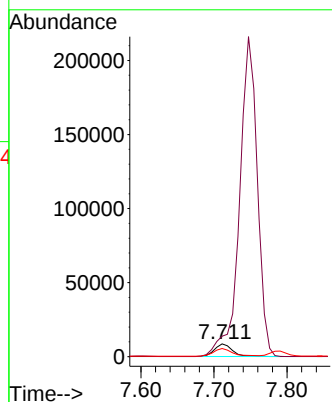
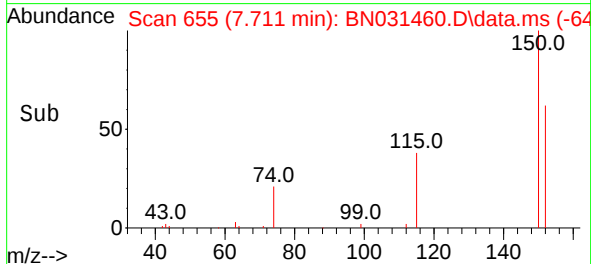


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.711 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

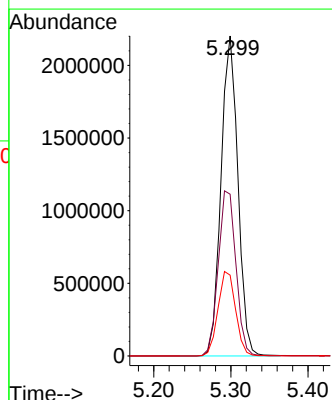
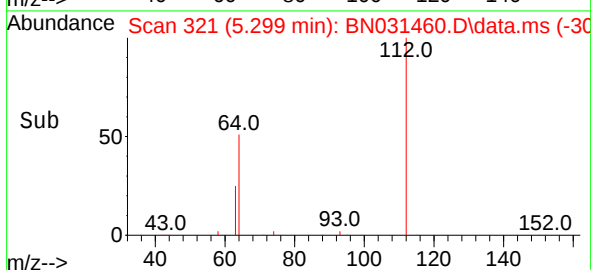
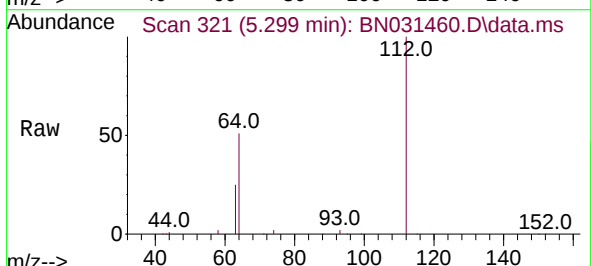


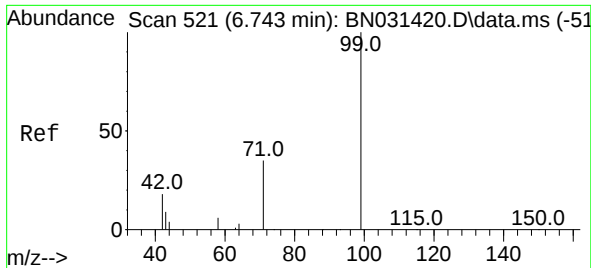
Tgt Ion:152 Resp: 14152
Ion Ratio Lower Upper
152 100
150 159.7 119.3 178.9
115 63.7 54.8 82.2



#4
2-Fluorophenol
Concen: 83.484 ng
RT: 5.299 min Scan# 321
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:112 Resp: 3355655
Ion Ratio Lower Upper
112 100
64 54.2 44.0 66.0
63 27.5 22.2 33.4

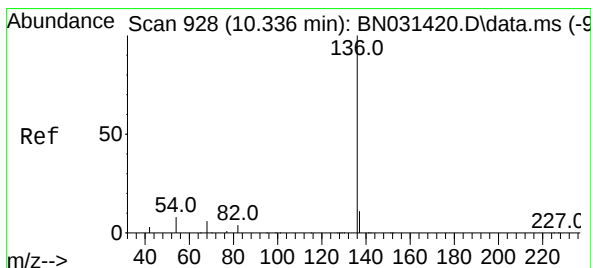
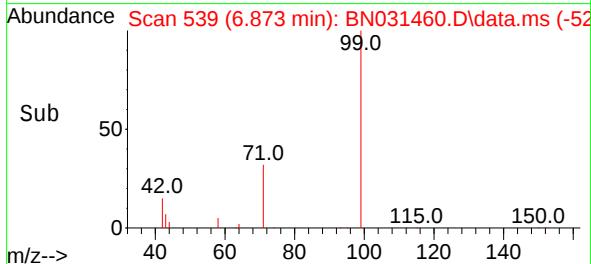
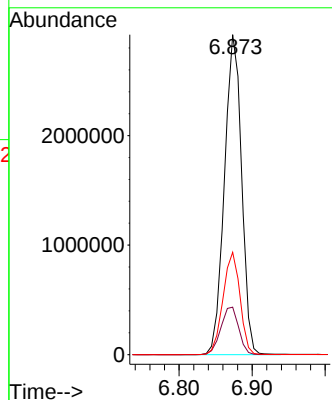
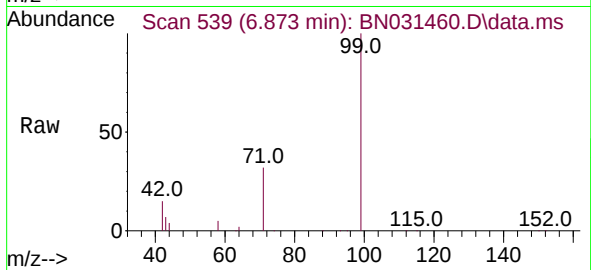




#5
Phenol-d6
Concen: 87.867 ng
RT: 6.873 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

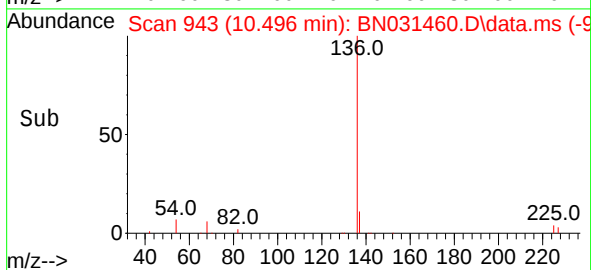
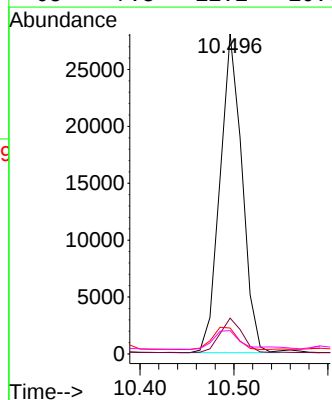
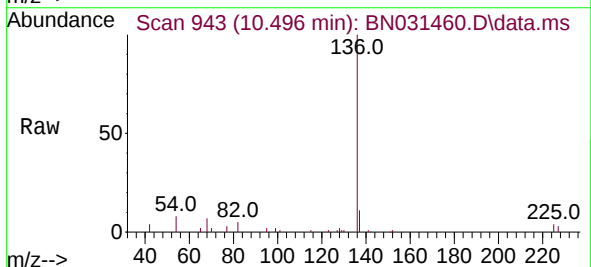
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

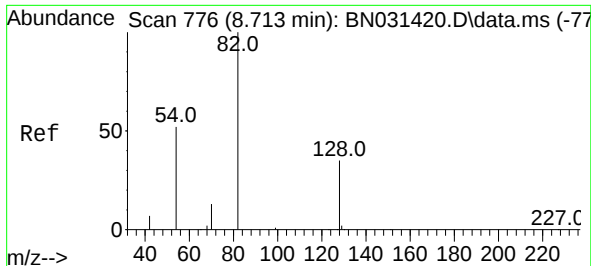
Tgt Ion: 99 Resp: 4760344
Ion Ratio Lower Upper
99 100
42 15.5 13.5 20.3
71 31.7 26.1 39.1



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.496 min Scan# 943
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion: 136 Resp: 45725
Ion Ratio Lower Upper
136 100
137 11.2 10.1 15.1
54 8.1 10.5 15.7#
68 7.3 11.1 16.7#

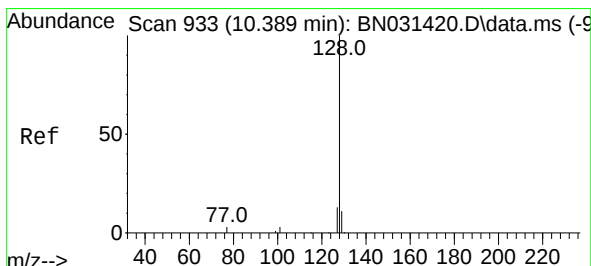
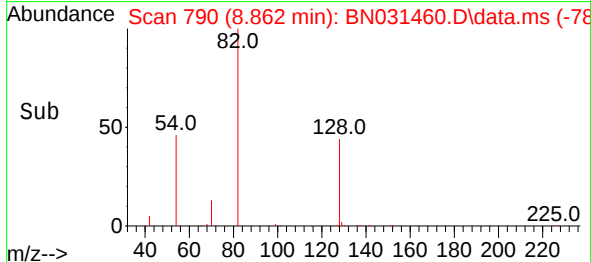
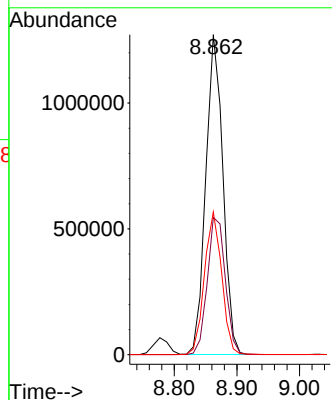
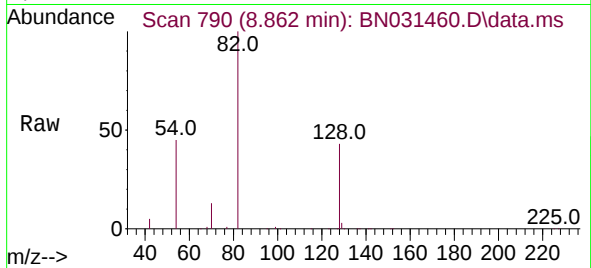




#8
Nitrobenzene-d5
Concen: 73.603 ng
RT: 8.862 min Scan# 710
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

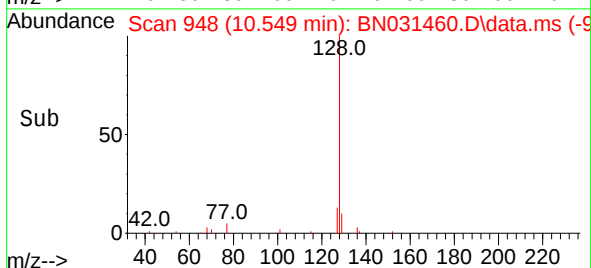
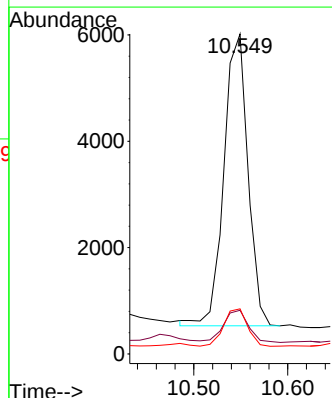
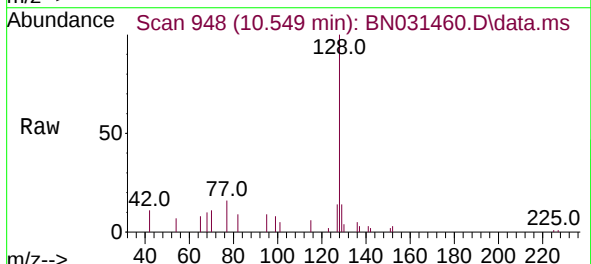
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

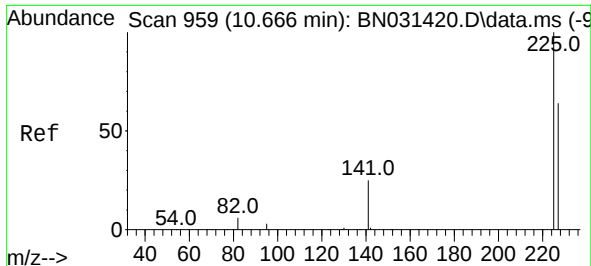
Tgt Ion: 82 Resp: 2415410
Ion Ratio Lower Upper
82 100
128 42.9 29.0 43.6
54 44.6 37.2 55.8



#9
Naphthalene
Concen: 0.077 ng
RT: 10.549 min Scan# 948
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion: 128 Resp: 9762
Ion Ratio Lower Upper
128 100
129 13.6 10.2 15.4
127 14.1 11.7 17.5

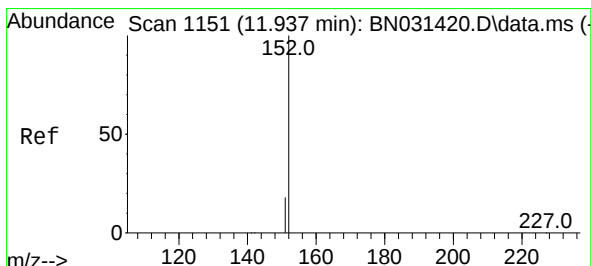
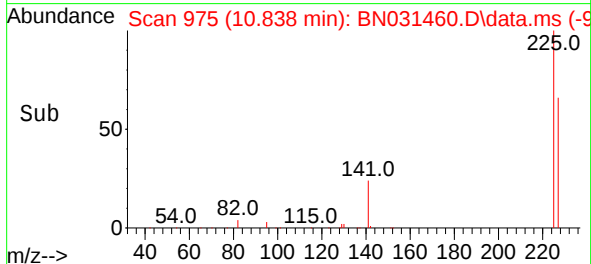
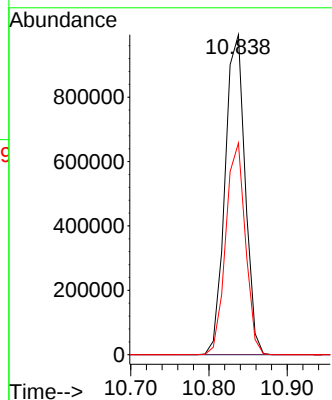
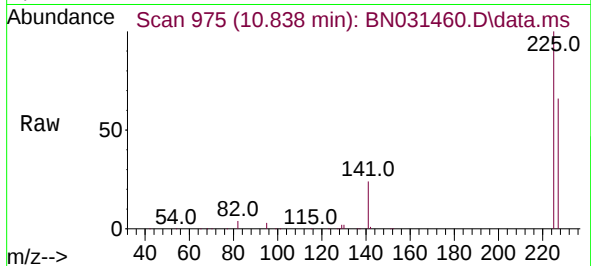




#10
Hexachlorobutadiene
Concen: 79.464 ng
RT: 10.838 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

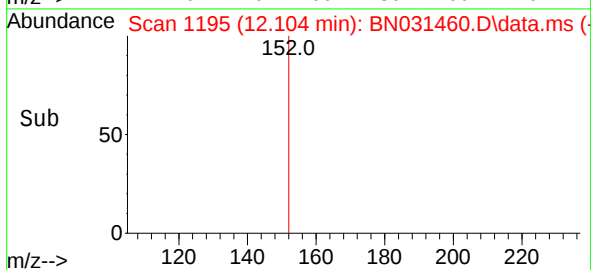
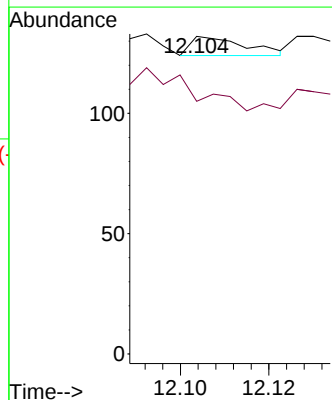
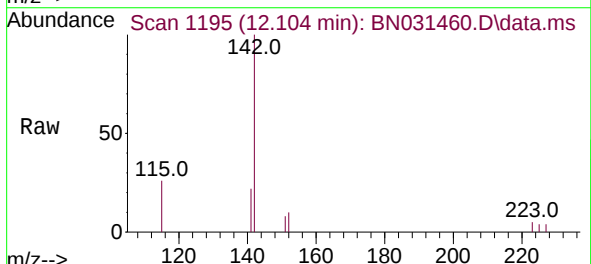
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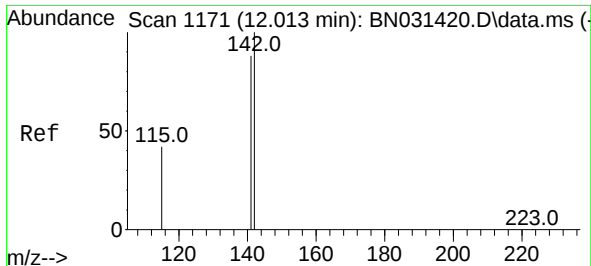
Tgt Ion:225 Resp: 1771118
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.7 50.7 76.1



#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.104 min Scan# 1195
Delta R.T. 0.011 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:152 Resp: 7
Ion Ratio Lower Upper
152 100
151 200.0 16.6 25.0#





#12

2-Methylnaphthalene

Concen: 22.817 ng

RT: 12.164 min Scan# 1491

Delta R.T. -0.004 min

Lab File: BN031460.D

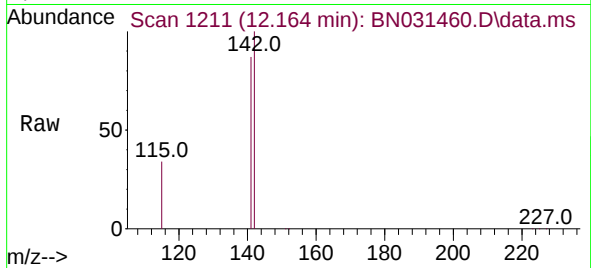
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Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL



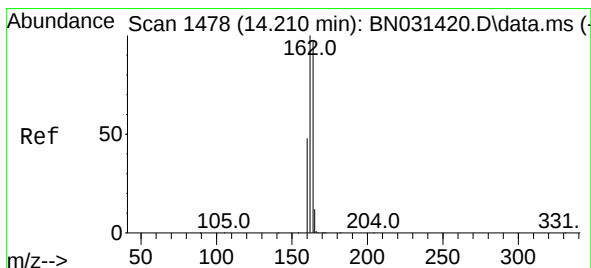
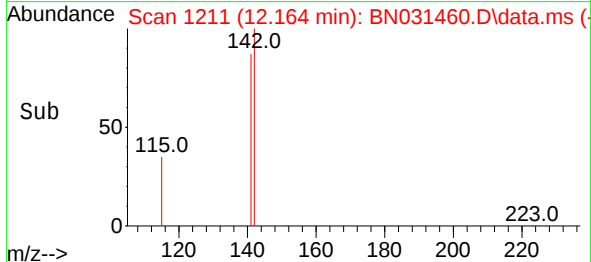
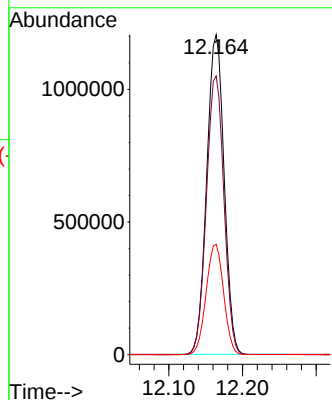
Tgt Ion:142 Resp: 1977504

Ion Ratio Lower Upper

142 100

141 87.1 71.0 106.6

115 34.5 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: BN031460.D

Acq: 10 May 2024 11:57

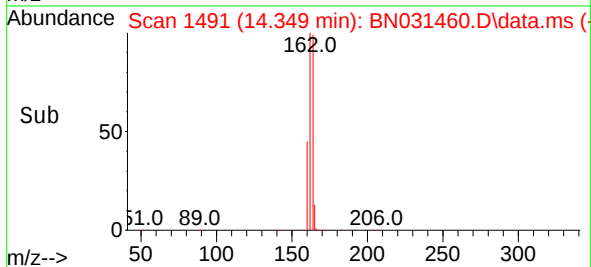
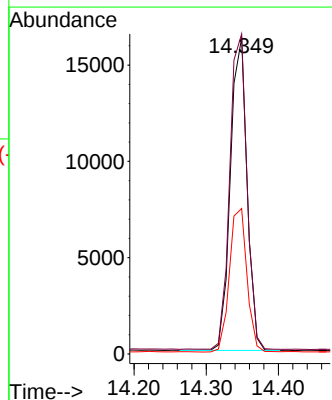
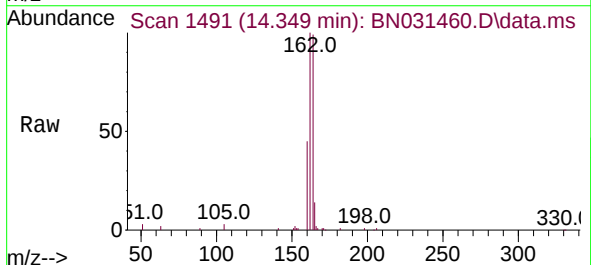
Tgt Ion:164 Resp: 25979

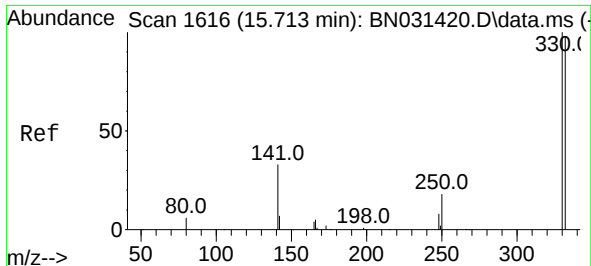
Ion Ratio Lower Upper

164 100

162 101.2 81.2 121.8

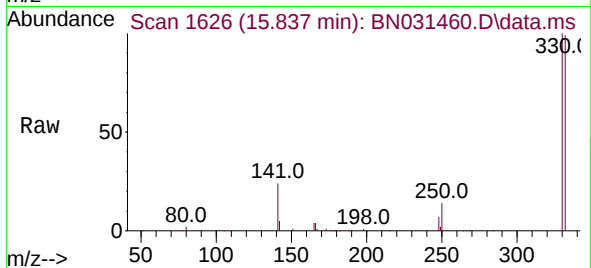
160 46.0 37.0 55.6



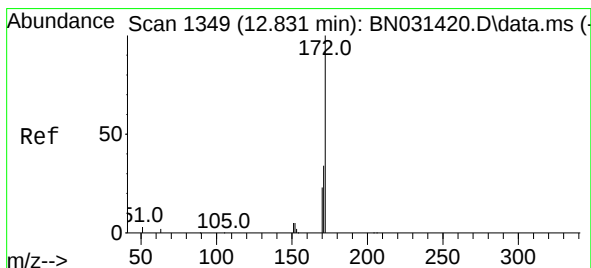
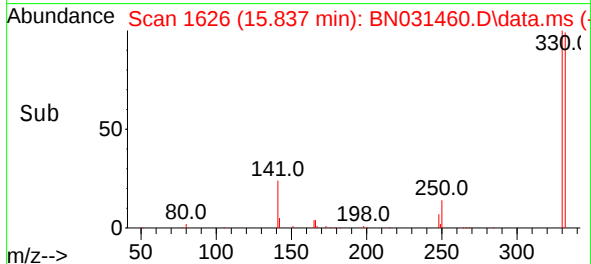
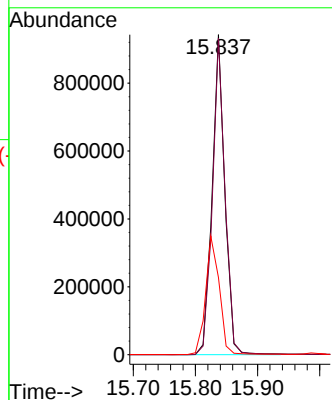


#14
2,4,6-Tribromophenol
Concen: 135.403 ng
RT: 15.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :
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ClientSampleId :
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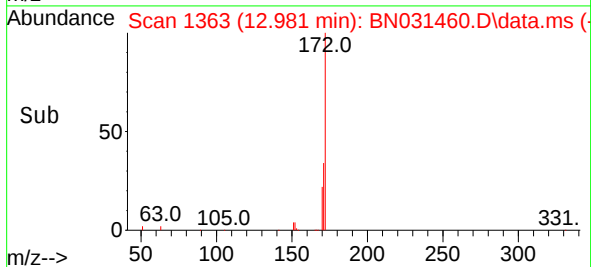
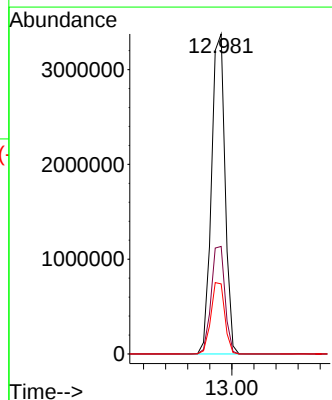
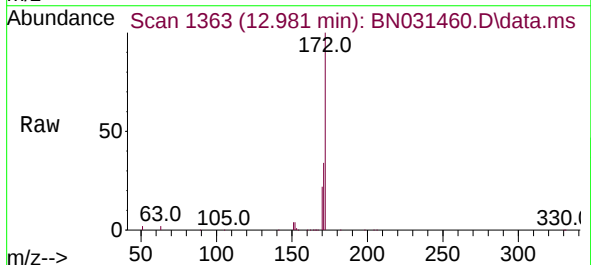


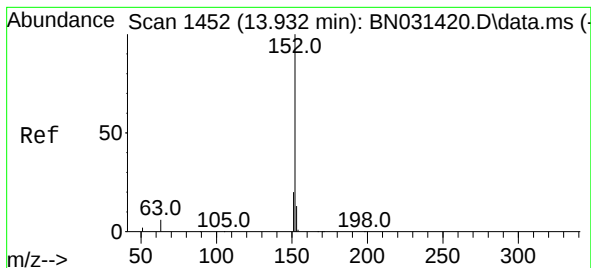
Tgt Ion:330 Resp: 1334941
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 40.1 37.0 55.4



#15
2-Fluorobiphenyl
Concen: 57.681 ng
RT: 12.981 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:172 Resp: 5777483
Ion Ratio Lower Upper
172 100
171 33.6 27.8 41.8
170 21.9 18.3 27.5





#16

Acenaphthylene

Concen: 35.297 ng

RT: 14.060 min Scan# 1464

Delta R.T. -0.011 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

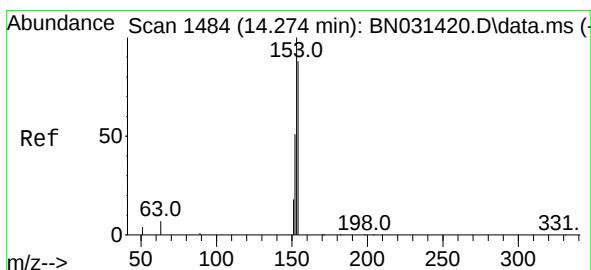
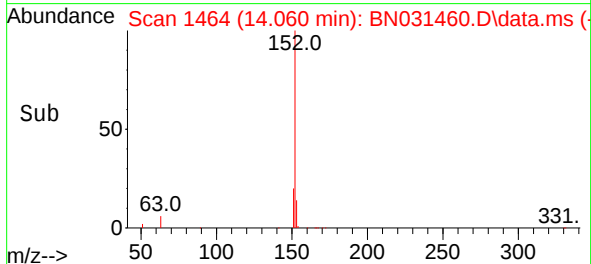
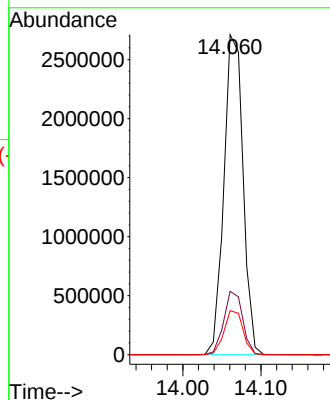
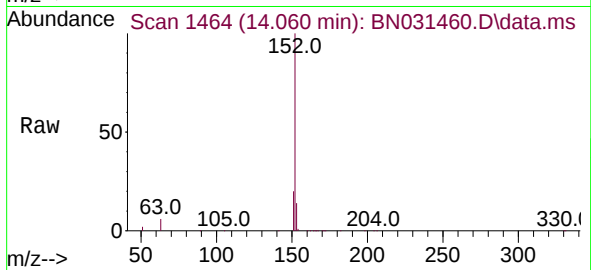
Tgt Ion:152 Resp: 4613710

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

153 13.6 10.5 15.7



#17

Acenaphthene

Concen: 25.921 ng

RT: 14.413 min Scan# 1497

Delta R.T. -0.000 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

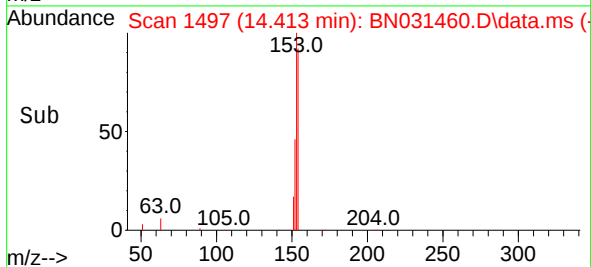
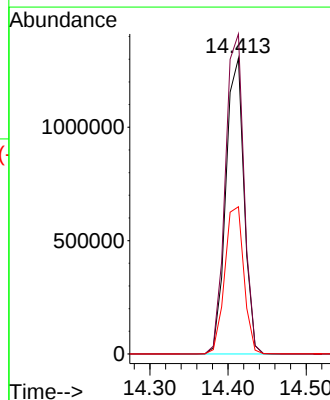
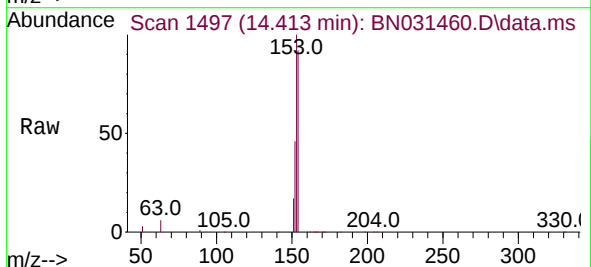
Tgt Ion:154 Resp: 2112689

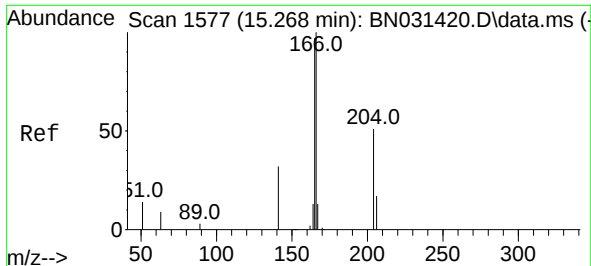
Ion Ratio Lower Upper

154 100

153 110.8 89.1 133.7

152 52.2 42.6 64.0

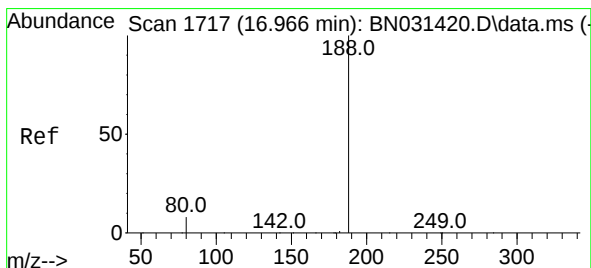
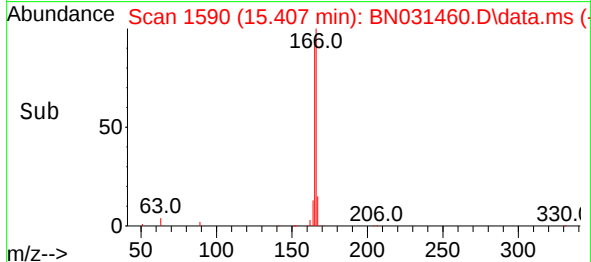
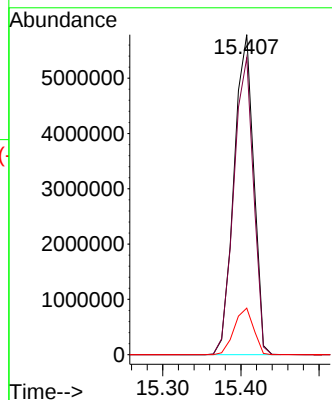
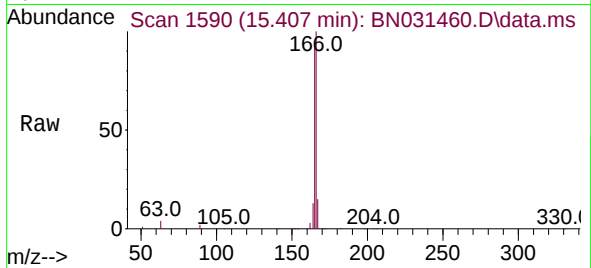




#18
Fluorene
Concen: 95.258 ng
RT: 15.407 min Scan# 1590
Delta R.T. 0.011 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

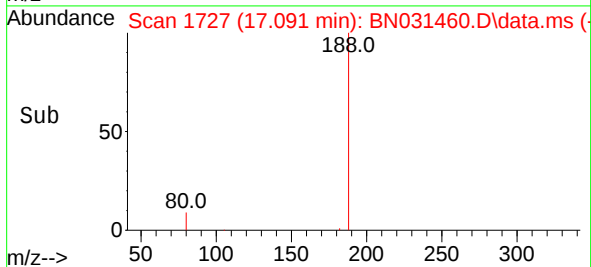
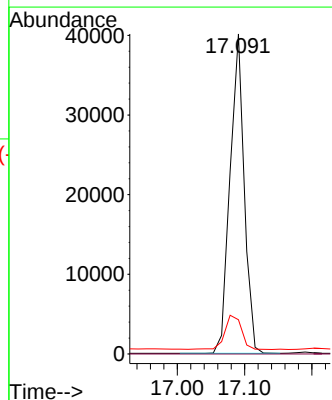
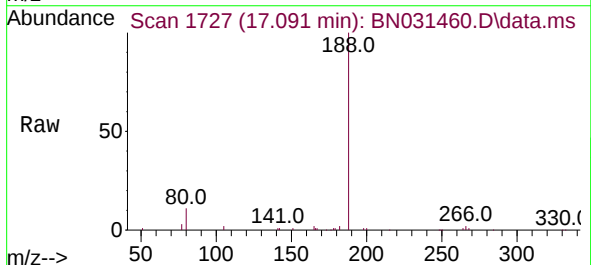
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

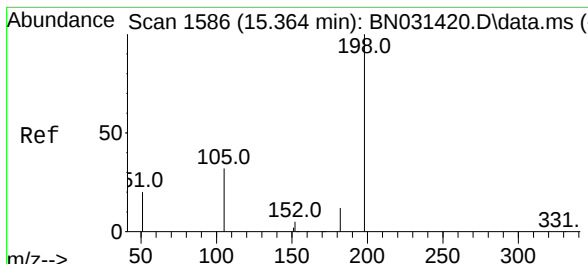
Tgt Ion:166 Resp:10157325
Ion Ratio Lower Upper
166 100
165 93.1 78.2 117.2
167 14.3 10.8 16.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.091 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:188 Resp: 58759
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 9.6 14.4

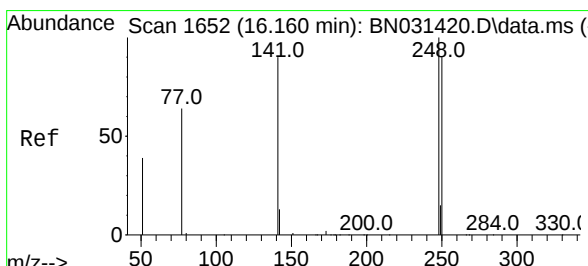
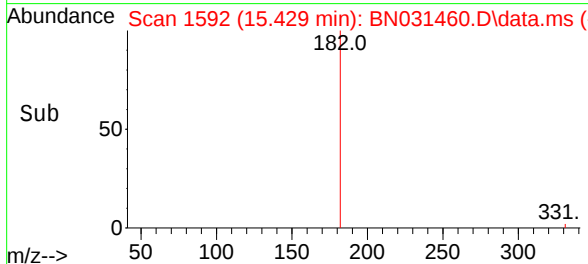
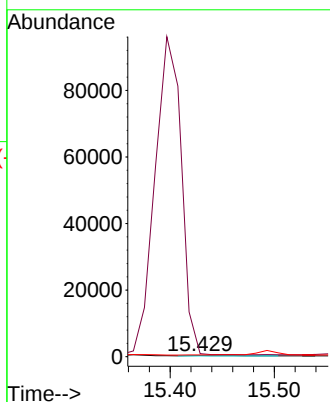
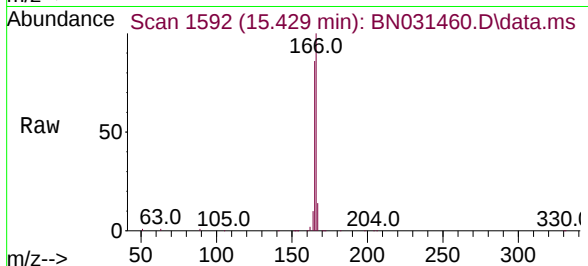




#20
 4,6-Dinitro-2-methylphenol
 Concen: 0.048 ng
 RT: 15.429 min Scan# 1592
 Delta R.T. -0.043 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

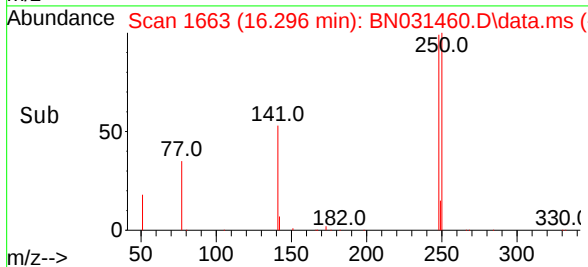
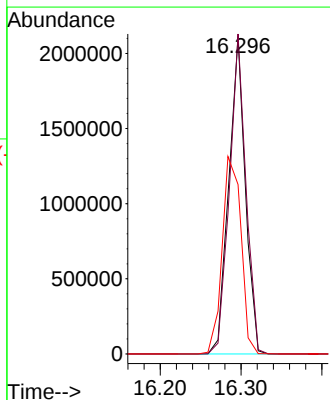
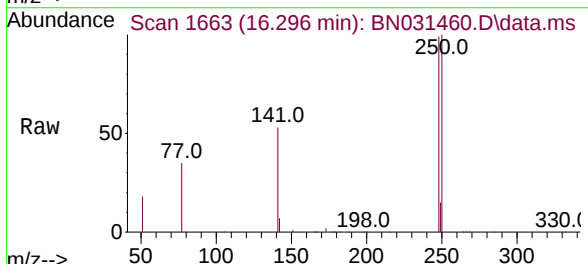
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

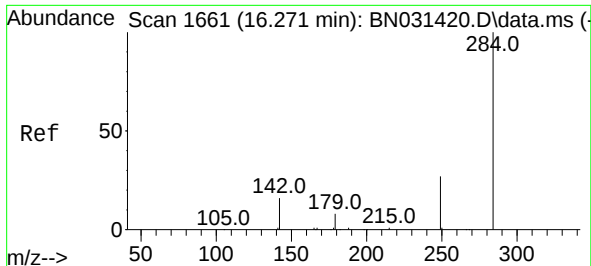
Tgt Ion:	198	Resp:	231
Ion	Ratio	Lower	Upper
198	100		
51	263.4	78.3	117.5#
105	152.8	117.2	175.8



#21
 4-Bromophenyl-phenylether
 Concen: 87.082 ng
 RT: 16.296 min Scan# 1663
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:	248	Resp:	2997280
Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.9	116.9
141	53.4	43.4	65.2





#22

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.396 min Scan# 1671

Delta R.T. -0.000 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

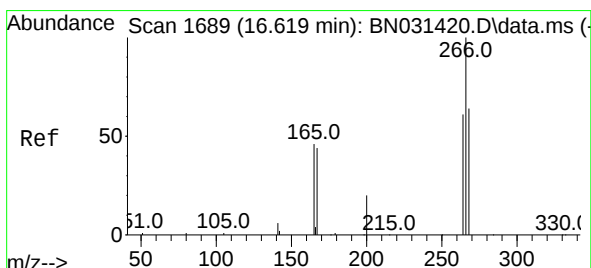
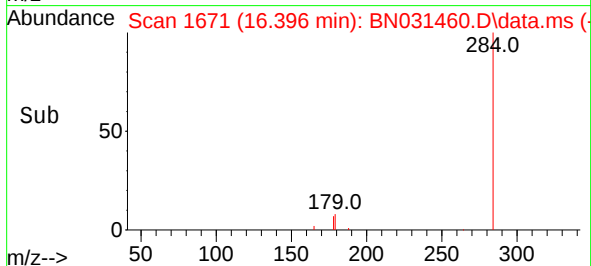
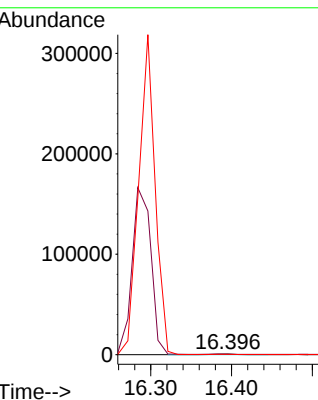
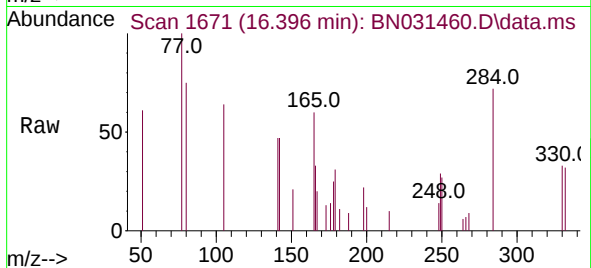
Tgt Ion:284 Resp: 988

Ion Ratio Lower Upper

284 100

142 0.0 31.0 46.6#

249 0.0 25.5 38.3#



#24

Pentachlorophenol

Concen: 89.605 ng

RT: 16.731 min Scan# 1698

Delta R.T. -0.000 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

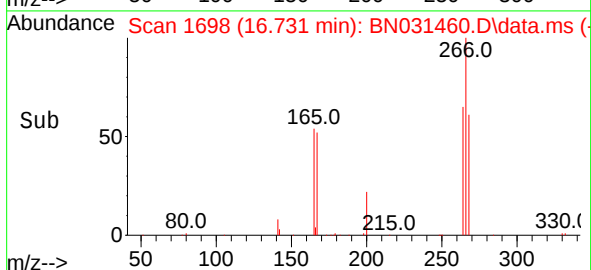
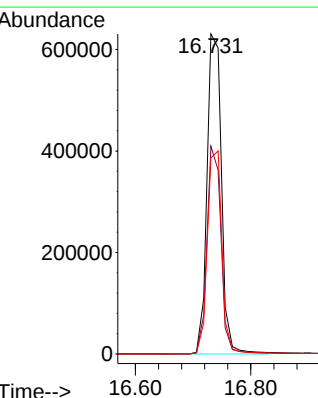
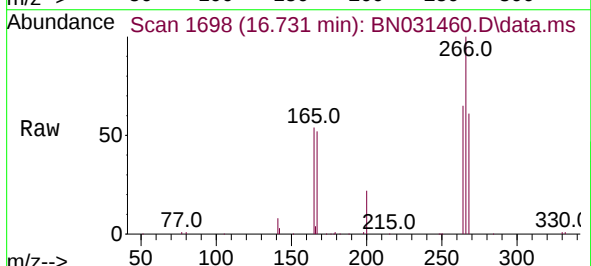
Tgt Ion:266 Resp: 1098905

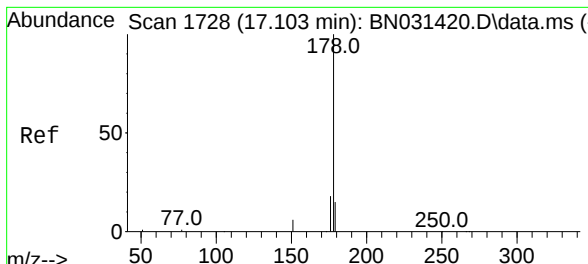
Ion Ratio Lower Upper

266 100

264 62.8 50.6 75.8

268 63.6 49.0 73.4



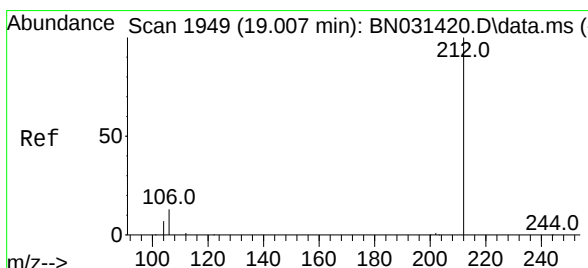
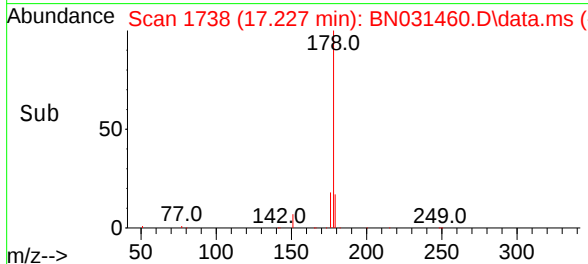
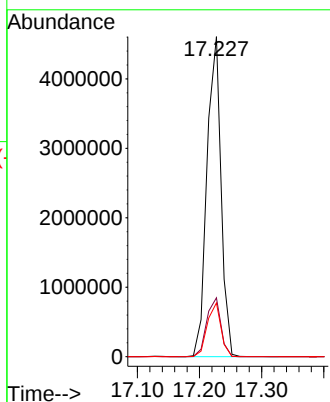
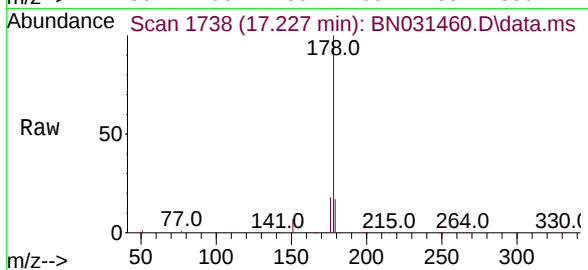


#26
 Anthracene
 Concen: 44.624 ng
 RT: 17.227 min Scan# 1738
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:178 Resp: 7263329

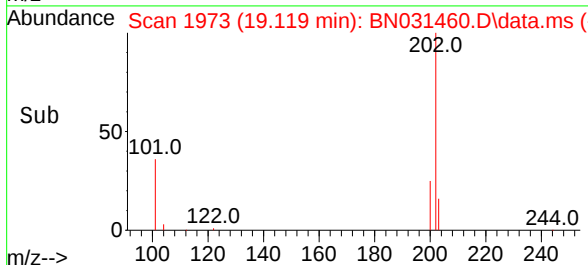
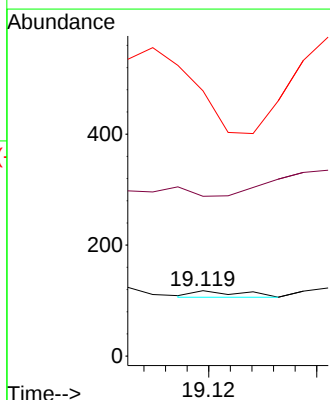
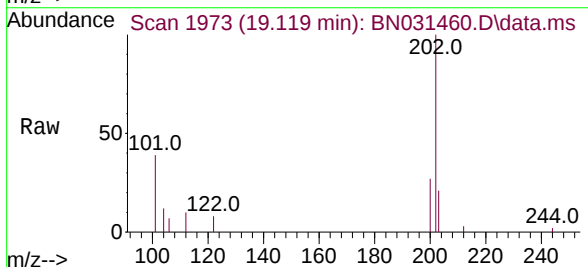
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	16.4	12.4	18.6

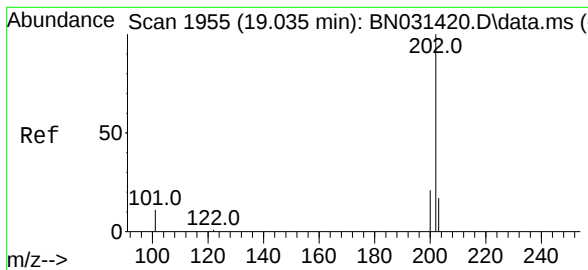


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 RT: 19.119 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:212 Resp: 8

Ion	Ratio	Lower	Upper
212	100		
106	0.0	12.0	18.0#
104	4075.0	6.9	10.3#





#28

Fluoranthene

Concen: 30.570 ng

RT: 19.156 min Scan# 1981

Delta R.T. 0.005 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

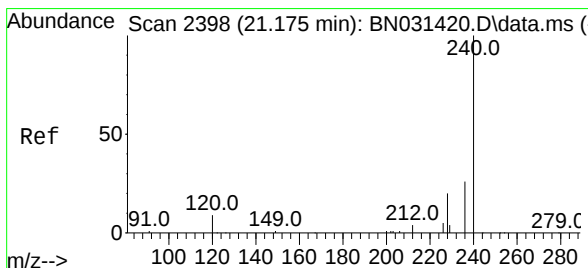
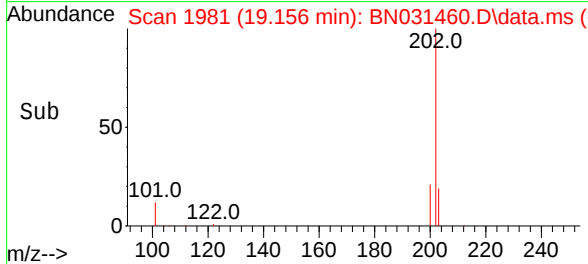
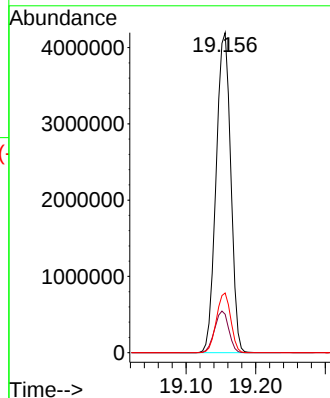
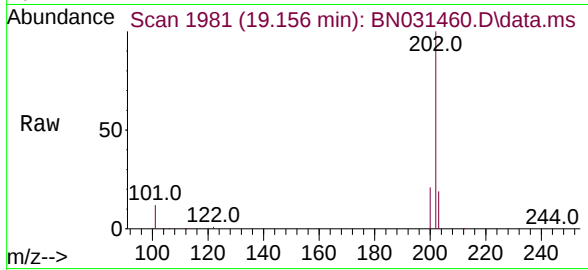
Tgt Ion:202 Resp: 6107245

Ion Ratio Lower Upper

202 100

101 12.6 9.8 14.6

203 18.3 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: BN031460.D

Acq: 10 May 2024 11:57

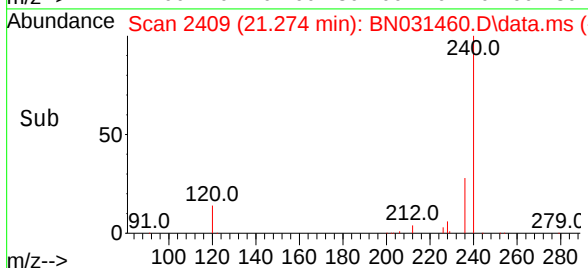
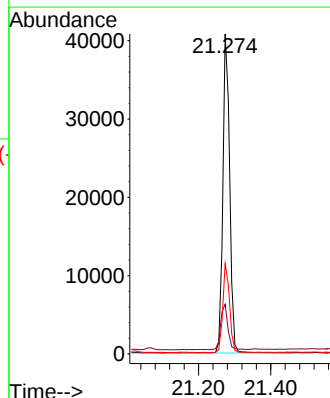
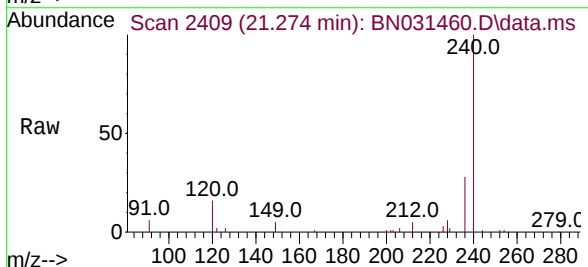
Tgt Ion:240 Resp: 53124

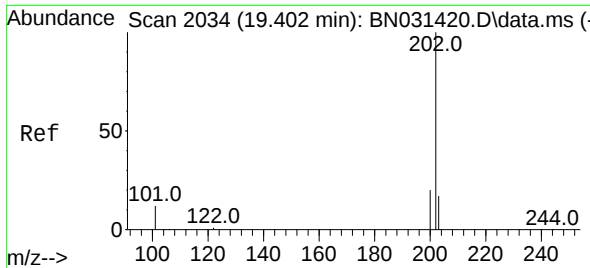
Ion Ratio Lower Upper

240 100

120 15.6 11.4 17.2

236 28.3 22.2 33.4

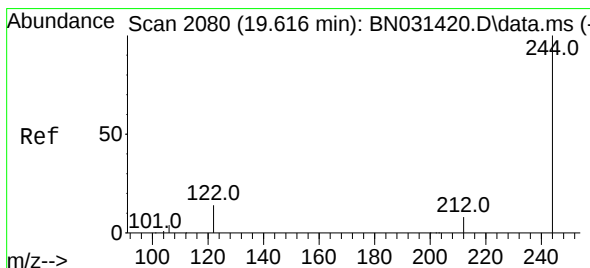
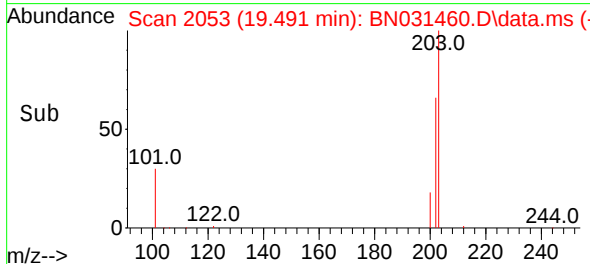
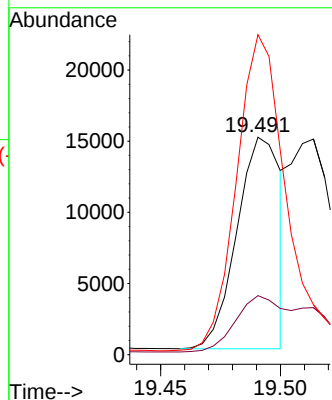
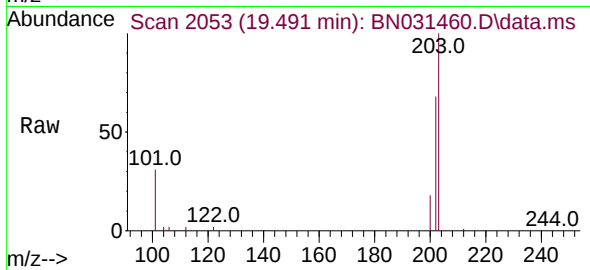




#30
 Pyrene
 Concen: 0.087 ng
 RT: 19.491 min Scan# 2106
 Delta R.T. -0.023 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

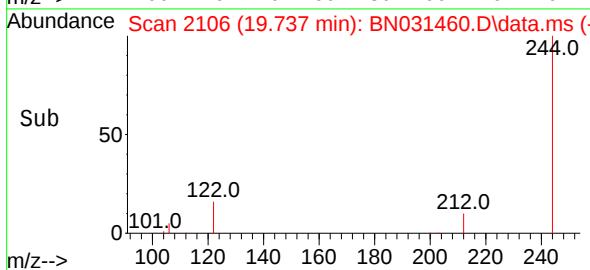
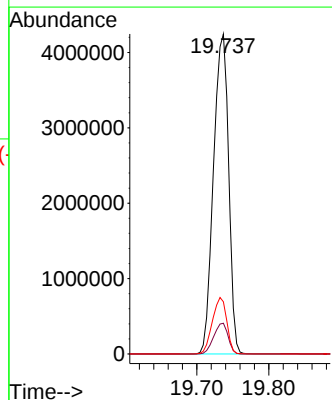
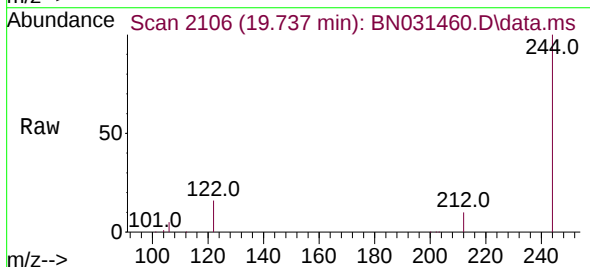
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

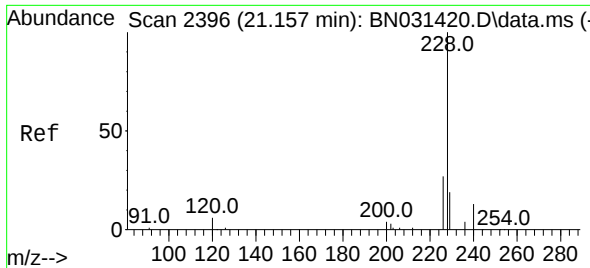
Tgt Ion:202 Resp: 18752
 Ion Ratio Lower Upper
 202 100
 200 48.5 16.6 25.0#
 203 173.3 14.3 21.5#



#31
 Terphenyl-d14
 Concen: 47.495 ng
 RT: 19.737 min Scan# 2106
 Delta R.T. 0.005 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:244 Resp: 6173393
 Ion Ratio Lower Upper
 244 100
 212 9.6 6.5 9.7
 122 16.3 11.4 17.2

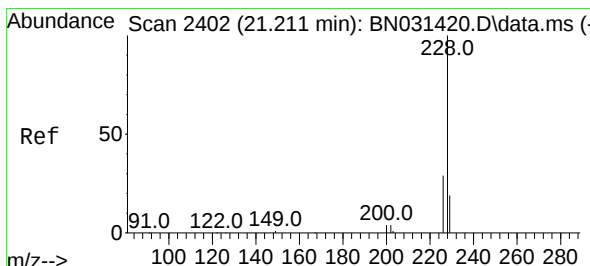
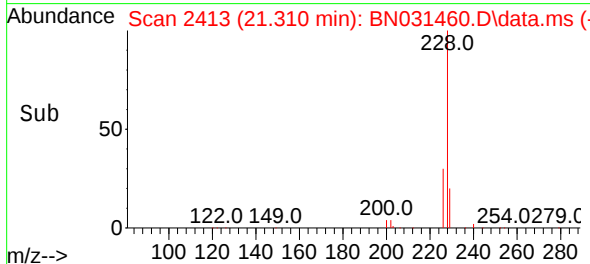
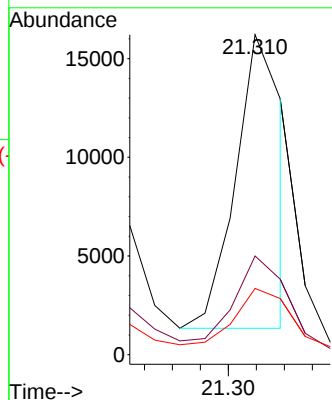
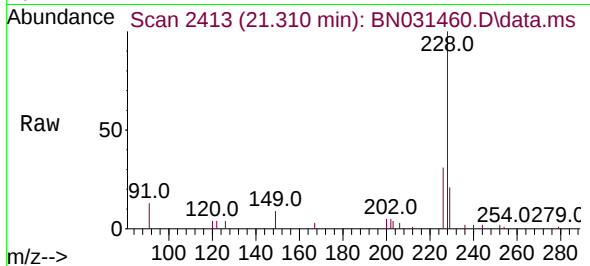




#32
Benzo(a)anthracene
Concen: 0.086 ng
RT: 21.310 min Scan# 2413
Delta R.T. 0.054 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

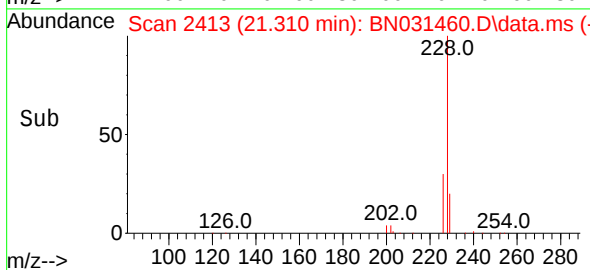
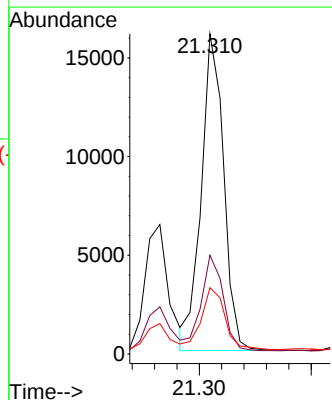
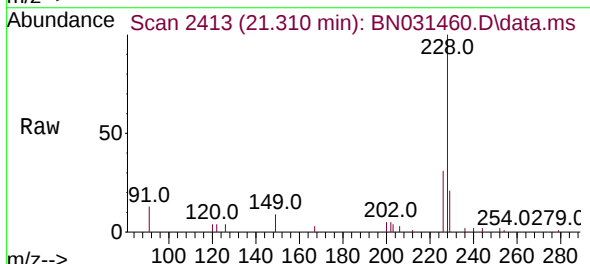
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

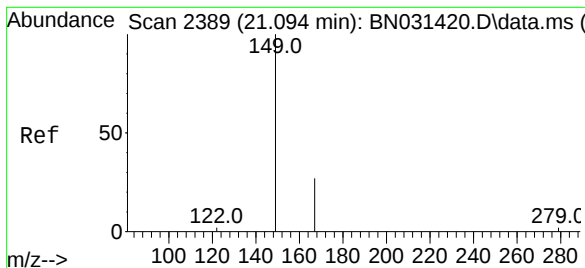
Tgt Ion:228 Resp: 17634
Ion Ratio Lower Upper
228 100
226 30.9 22.4 33.6
229 20.7 15.5 23.3



#33
Chrysene
Concen: 0.114 ng
RT: 21.310 min Scan# 2413
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:228 Resp: 22270
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 20.7 15.8 23.8

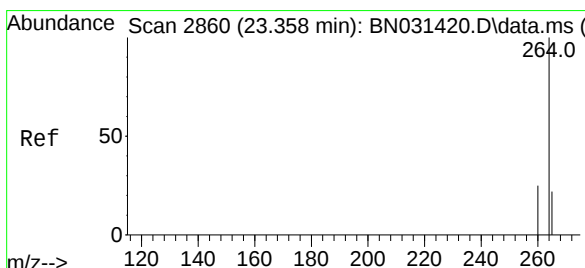
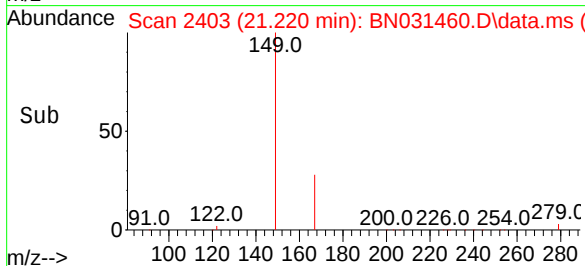
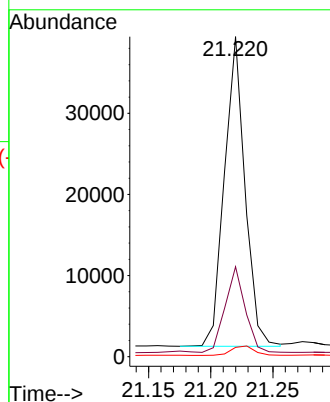
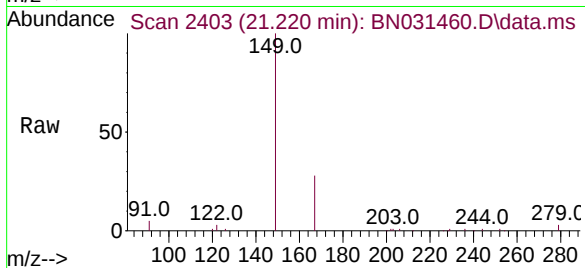




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.366 ng
RT: 21.220 min Scan# 2403
Delta R.T. -0.000 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

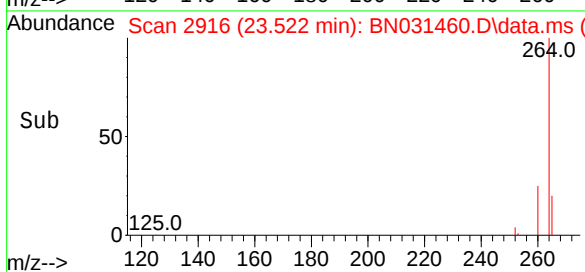
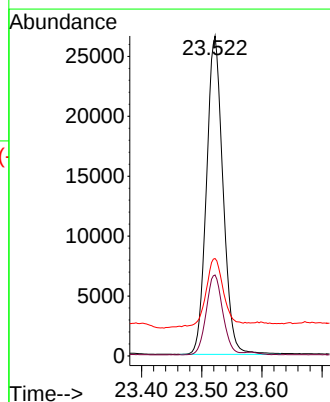
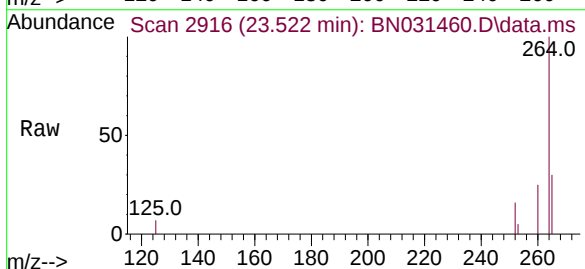
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

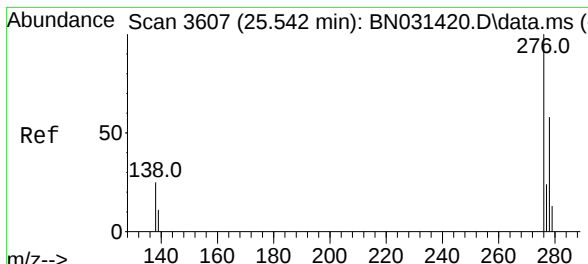
Tgt Ion:149 Resp: 43942
Ion Ratio Lower Upper
149 100
167 28.0 22.1 33.1
279 3.4 2.7 4.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2916
Delta R.T. 0.003 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:264 Resp: 50574
Ion Ratio Lower Upper
264 100
260 25.3 20.6 31.0
265 30.5 24.0 36.0



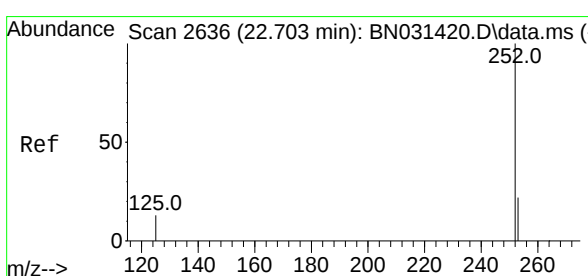
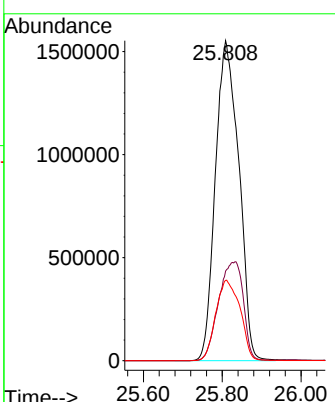
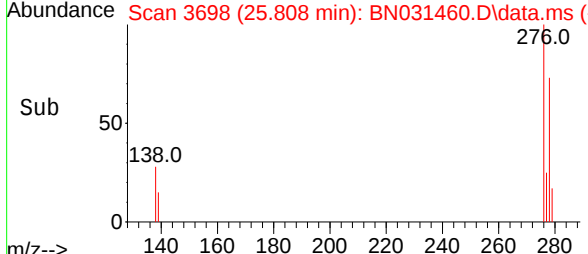
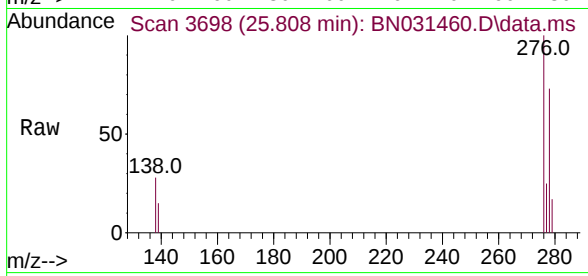


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 31.751 ng
 RT: 25.808 min Scan# 30
 Delta R.T. 0.015 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Tgt Ion:276 Resp: 6399837

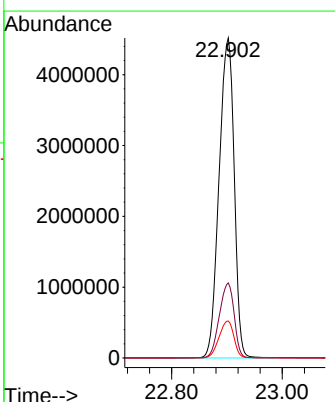
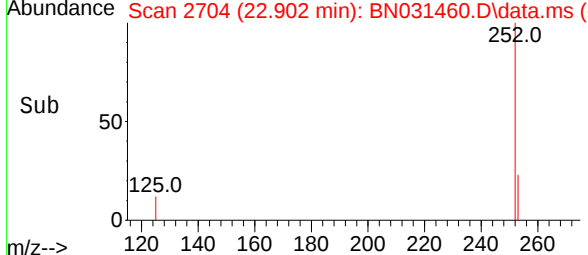
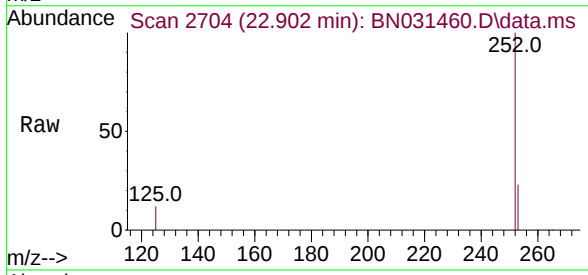
Ion	Ratio	Lower	Upper
276	100		
138	0.0	23.0	34.6#
277	26.1	19.9	29.9

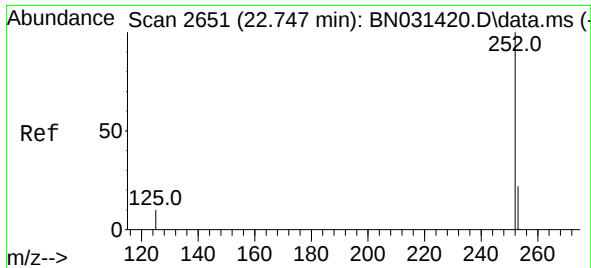


#37
 Benzo(b)fluoranthene
 Concen: 47.264 ng
 RT: 22.902 min Scan# 2704
 Delta R.T. 0.055 min
 Lab File: BN031460.D
 Acq: 10 May 2024 11:57

Tgt Ion:252 Resp: 8578460

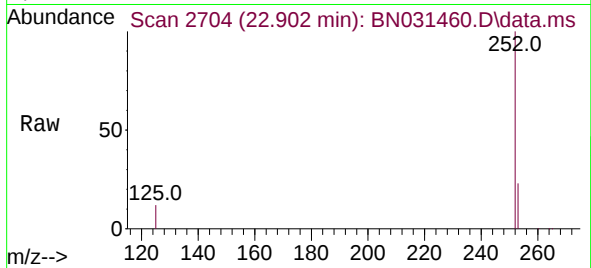
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	11.6	10.5	15.7



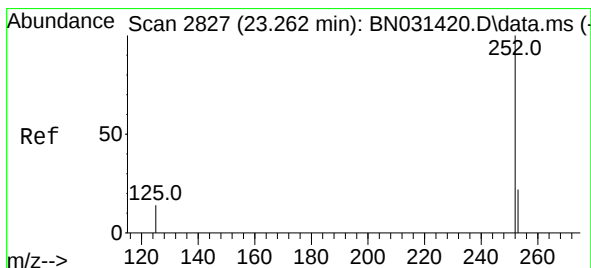
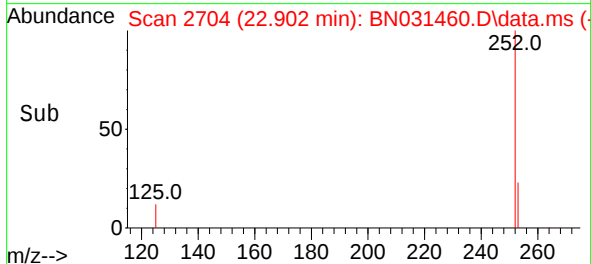
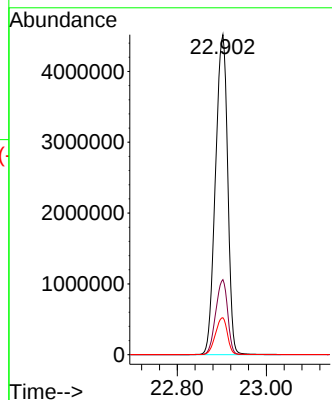


#38
Benzo(k)fluoranthene
Concen: 49.973 ng
RT: 22.902 min Scan# 21
Delta R.T. 0.012 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

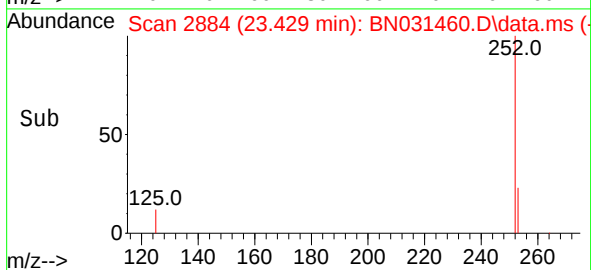
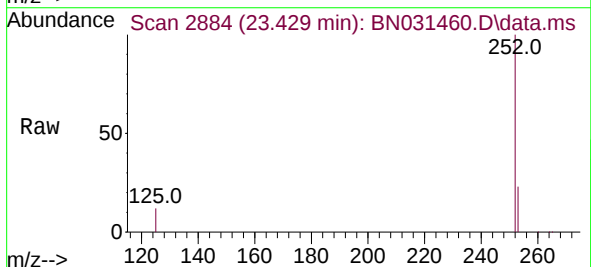
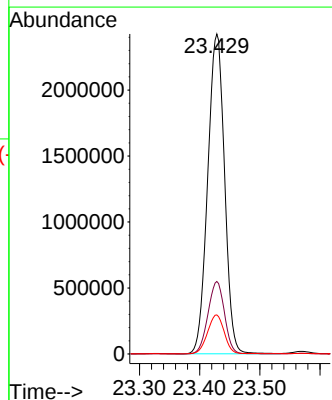


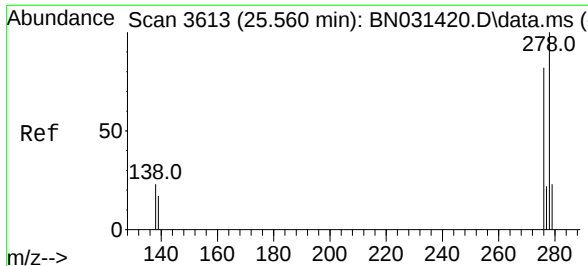
Tgt Ion:252 Resp: 8587160
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.6 11.0 16.6



#39
Benzo(a)pyrene
Concen: 29.864 ng
RT: 23.429 min Scan# 2884
Delta R.T. 0.006 min
Lab File: BN031460.D
Acq: 10 May 2024 11:57

Tgt Ion:252 Resp: 4713639
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 12.2 11.9 17.9





#40

Dibenzo(a,h)anthracene

Concen: 56.276 ng

RT: 25.841 min Scan# 31

Delta R.T. 0.020 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

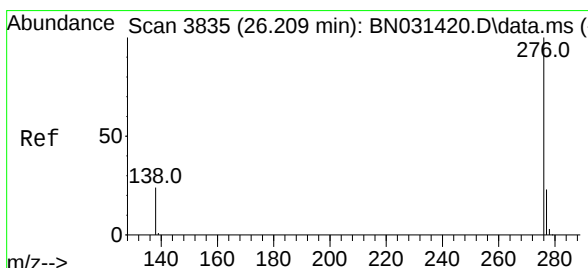
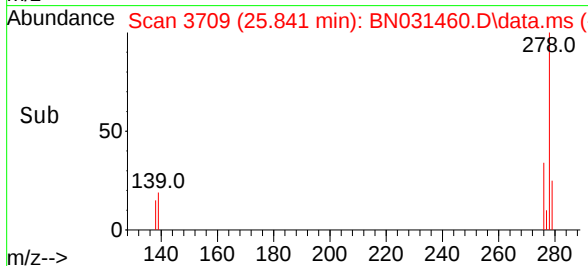
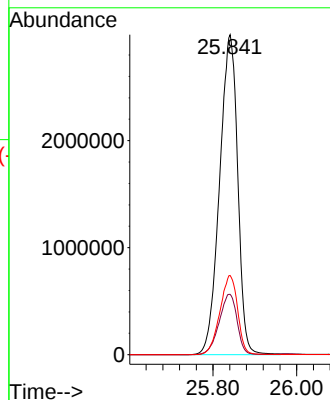
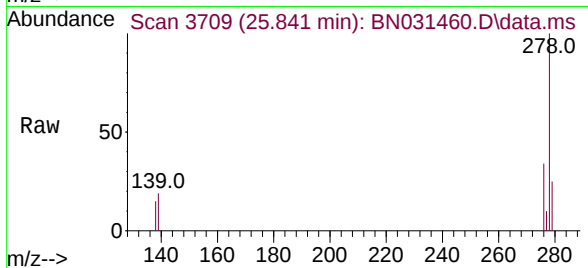
Tgt Ion:278 Resp: 8990259

Ion Ratio Lower Upper

278 100

139 18.9 15.9 23.9

279 24.7 19.8 29.8



#41

Benzo(g,h,i)perylene

Concen: 36.968 ng

RT: 26.507 min Scan# 3937

Delta R.T. 0.023 min

Lab File: BN031460.D

Acq: 10 May 2024 11:57

Tgt Ion:276 Resp: 6352446

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 24.2 20.4 30.6

