

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111424\
 Data File : BN035084.D
 Acq On : 14 Nov 2024 11:24
 Operator : RC/JU
 Sample : P4495-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Nov 14 11:49:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 17:18:14 2024
 Response via : Initial Calibration

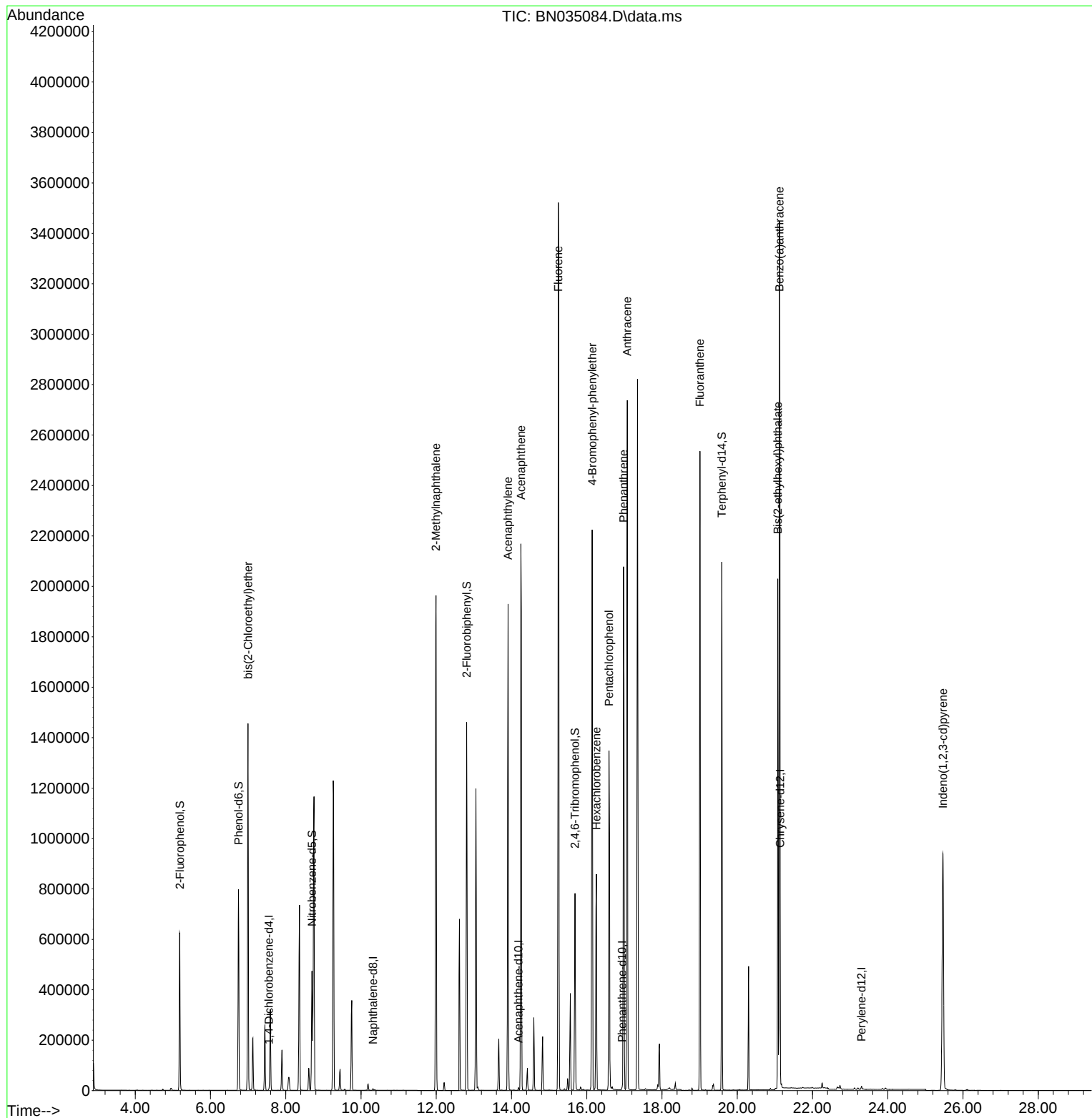
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	2710	0.400	ng	0.00
7) Naphthalene-d8	10.319	136	7067	0.400	ng	0.00
13) Acenaphthene-d10	14.186	164	5458	0.400	ng	0.00
19) Phenanthrene-d10	16.939	188	14151	0.400	ng	0.00
29) Chrysene-d12	21.140	240	14796	0.400	ng	# 0.00
35) Perylene-d12	23.301	264	14652	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	507176	73.722	ng	0.00
5) Phenol-d6	6.744	99	700669	81.228	ng	0.00
8) Nitrobenzene-d5	8.696	82	406027	66.006	ng	0.00
11) 2-Methylnaphthalene-d10	11.893	152	2	0.000	ng	-0.02
14) 2,4,6-Tribromophenol	15.686	330	421617	107.082	ng	0.00
15) 2-Fluorobiphenyl	12.807	172	1236100	55.765	ng	0.00
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.589	244	2157057	69.476	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	6.997	93	1055495	163.002	ng	99
12) 2-Methylnaphthalene	11.991	142	1353927	99.466	ng	99
16) Acenaphthylene	13.908	152	2014770	86.375	ng	99
17) Acenaphthene	14.250	154	1147118	75.042	ng	97
18) Fluorene	15.245	166	2389052	106.245	ng	98
21) 4-Bromophenyl-phenylether	16.145	248	938134	104.055	ng	# 91
22) Hexachlorobenzene	16.257	284	723854	77.365	ng	98
24) Pentachlorophenol	16.592	266	617992	141.365	ng	98
25) Phenanthrene	16.976	178	2274895	61.086	ng	100
26) Anthracene	17.076	178	2774637	81.116	ng	99
28) Fluoranthene	19.008	202	2312461	45.155	ng	99
32) Benzo(a)anthracene	21.122	228	3155552	61.249	ng	98
34) Bis(2-ethylhexyl)phtha...	21.077	149	1638521	60.611	ng	99
36) Indeno(1,2,3-cd)pyrene	25.464	276	1803107	30.848	ng	# 96

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

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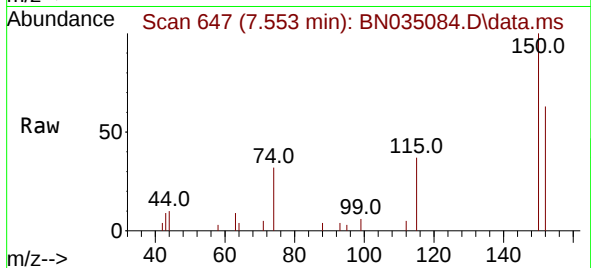
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN111324.M
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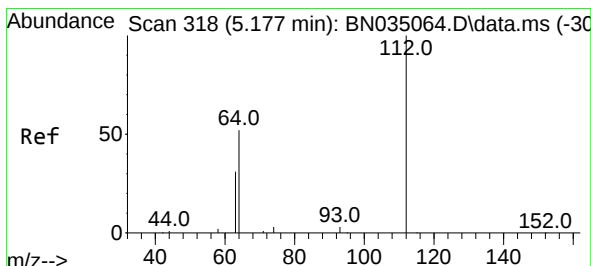
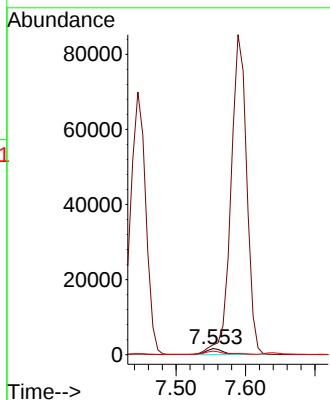
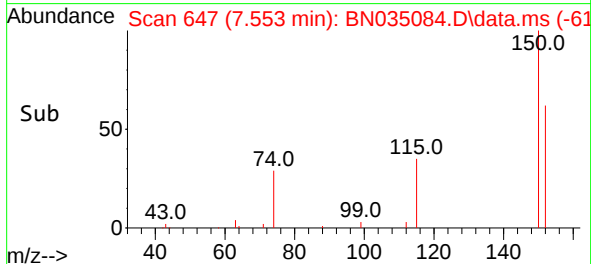


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.553 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

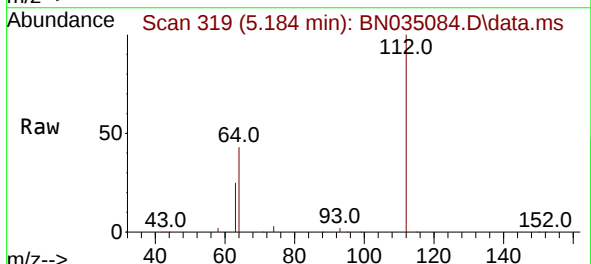
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BNA_N
ClientSampleId :
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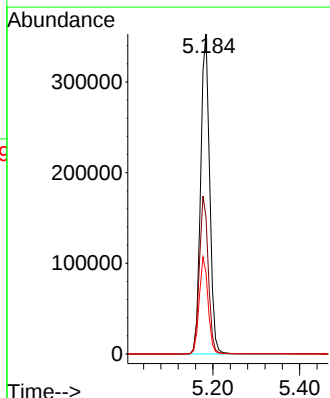
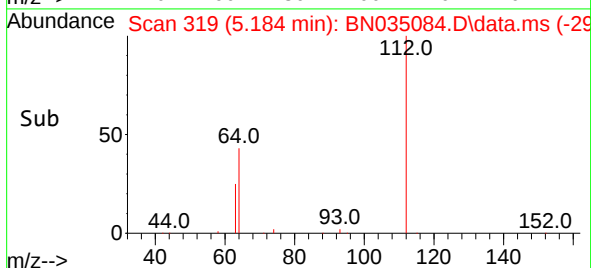
Tgt Ion:152 Resp: 2710
Ion Ratio Lower Upper
152 100
150 159.1 124.5 186.7
115 58.9 47.8 71.6

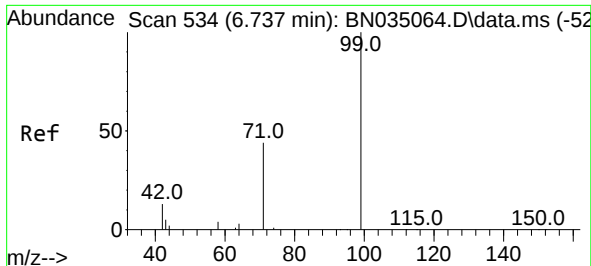


#4
2-Fluorophenol
Concen: 73.722 ng
RT: 5.184 min Scan# 319
Delta R.T. 0.007 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24



Tgt Ion:112 Resp: 507176
Ion Ratio Lower Upper
112 100
64 49.0 39.7 59.5
63 29.8 23.0 34.4

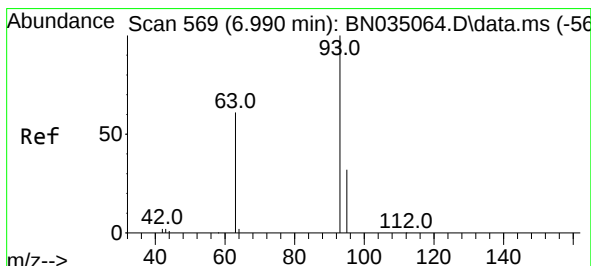
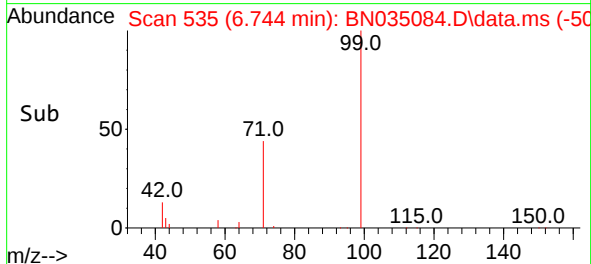
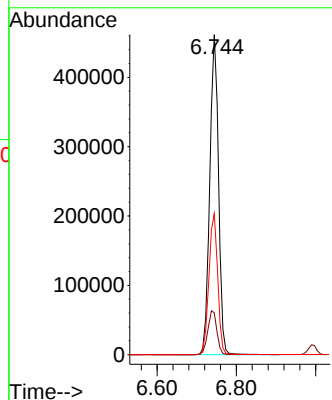
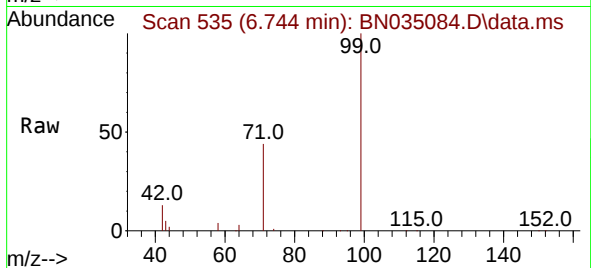




#5
Phenol-d6
Concen: 81.228 ng
RT: 6.744 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

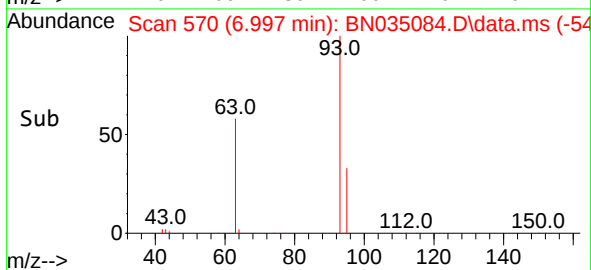
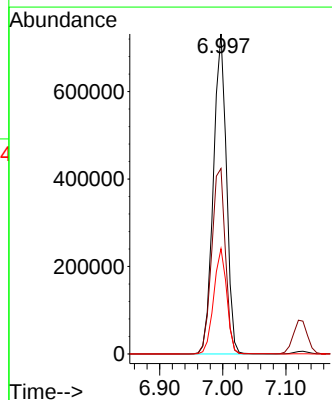
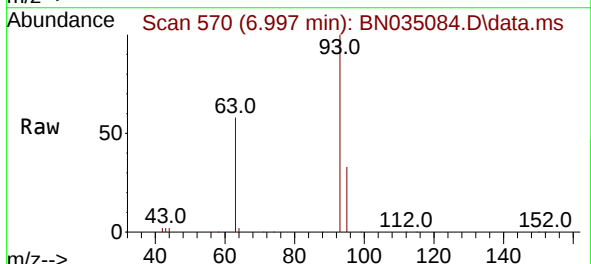
Instrument :
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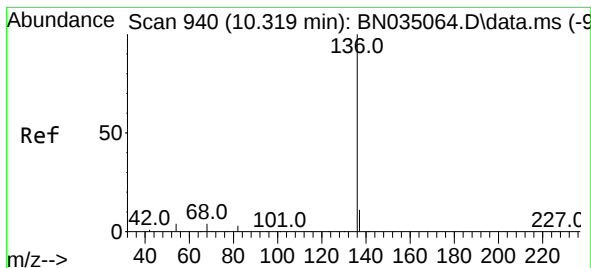
Tgt Ion: 99 Resp: 700669
Ion Ratio Lower Upper
99 100
42 14.3 11.4 17.0
71 44.4 34.6 51.8



#6
bis(2-Chloroethyl)ether
Concen: 163.002 ng
RT: 6.997 min Scan# 570
Delta R.T. 0.007 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion: 93 Resp: 1055495
Ion Ratio Lower Upper
93 100
63 60.8 47.4 71.2
95 32.7 26.2 39.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.319 min Scan# 940

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

Tgt Ion:136 Resp: 7067

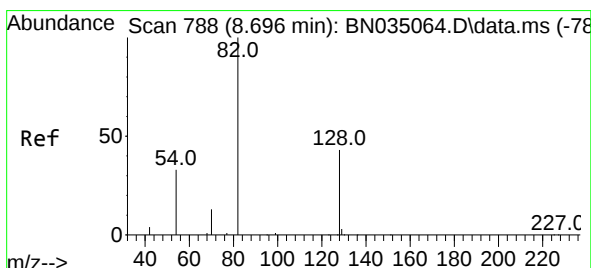
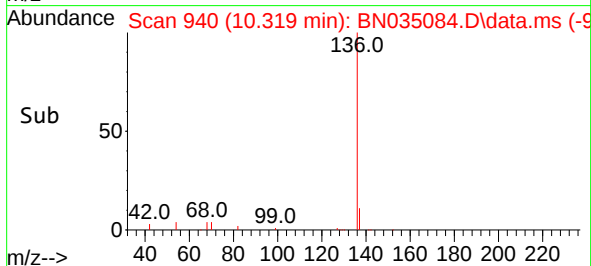
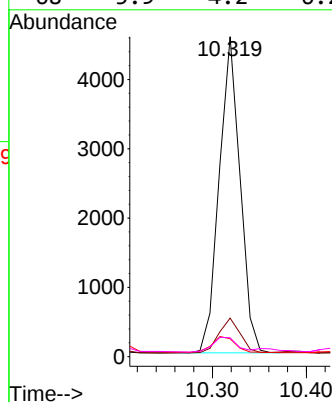
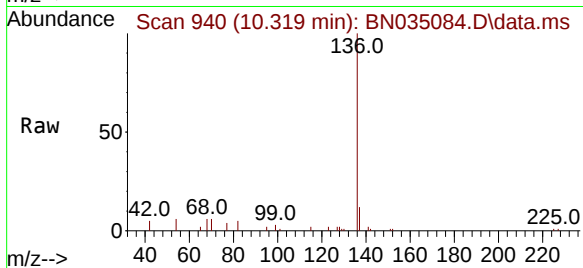
Ion Ratio Lower Upper

136 100

137 12.1 9.8 14.8

54 5.6 4.0 6.0

68 5.9 4.2 6.2



#8

Nitrobenzene-d5

Concen: 66.006 ng

RT: 8.696 min Scan# 788

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

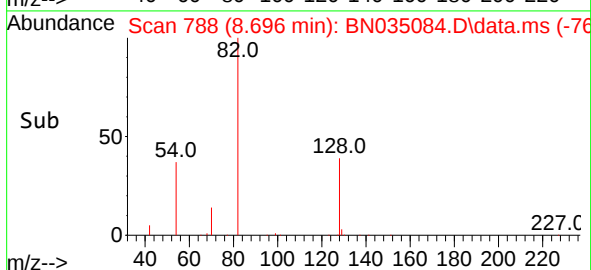
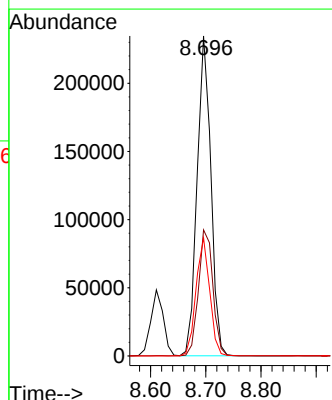
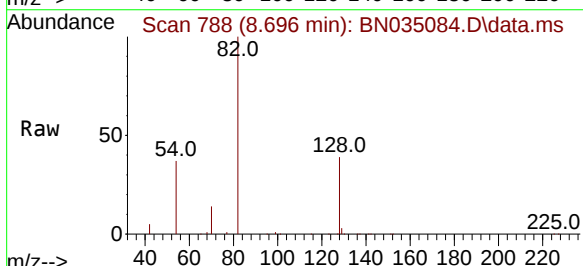
Tgt Ion: 82 Resp: 406027

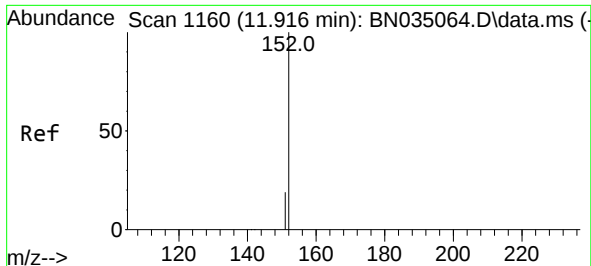
Ion Ratio Lower Upper

82 100

128 39.4 36.5 54.7

54 36.9 28.7 43.1

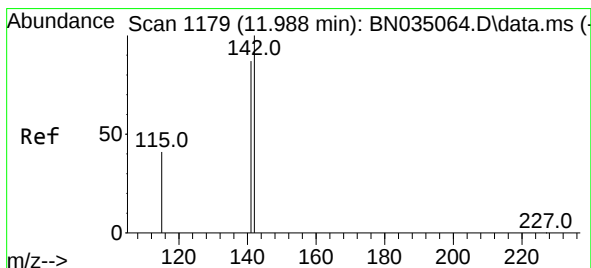
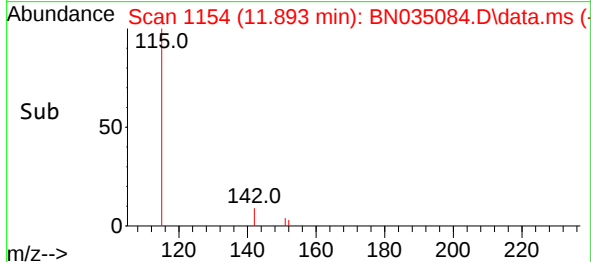
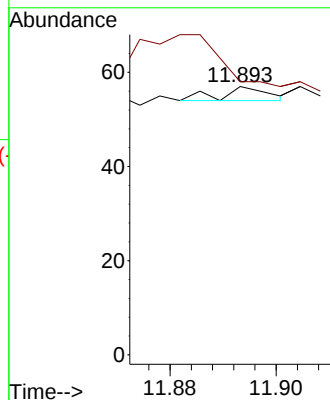
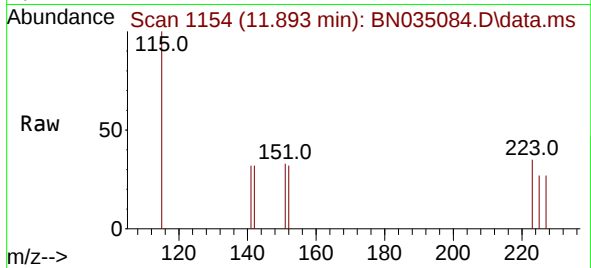




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 11.893 min Scan# 1180
Delta R.T. -0.023 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

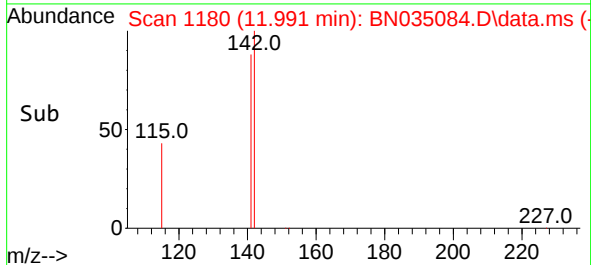
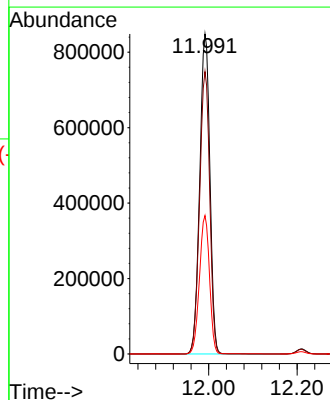
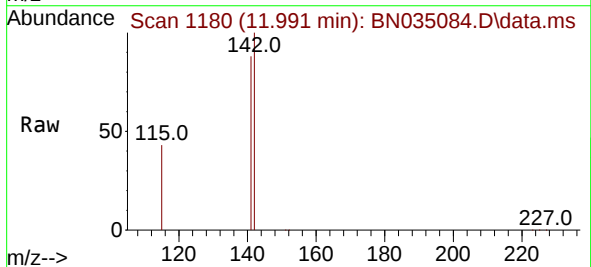
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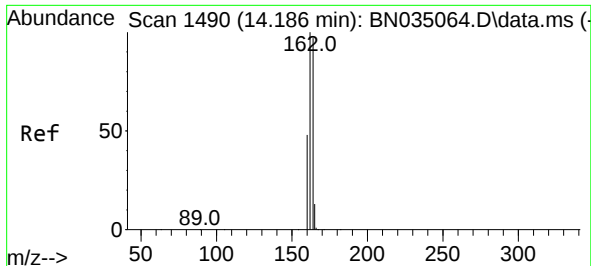
Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 99.466 ng
RT: 11.991 min Scan# 1180
Delta R.T. 0.004 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:142 Resp: 1353927
Ion Ratio Lower Upper
142 100
141 88.2 70.1 105.1
115 43.2 34.4 51.6

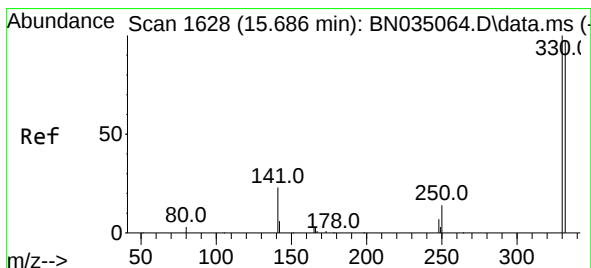
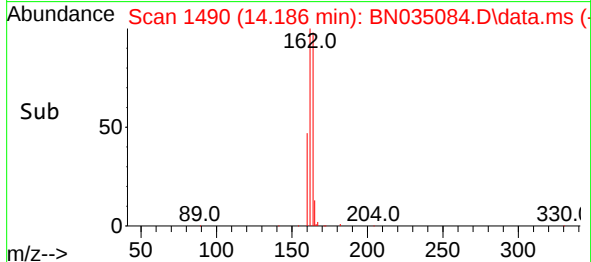
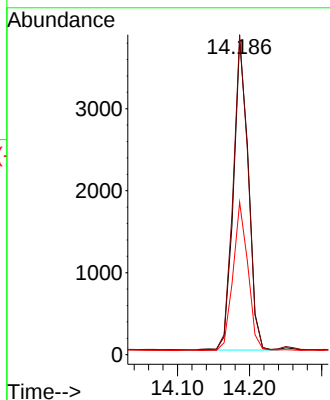
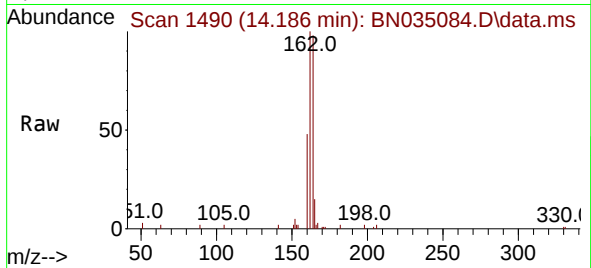




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.186 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

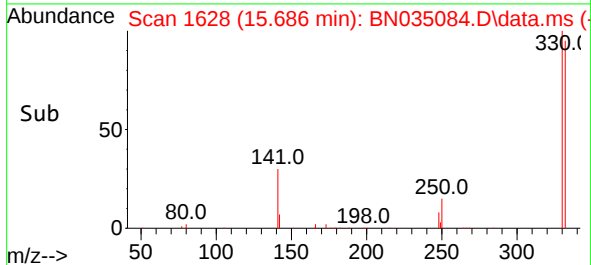
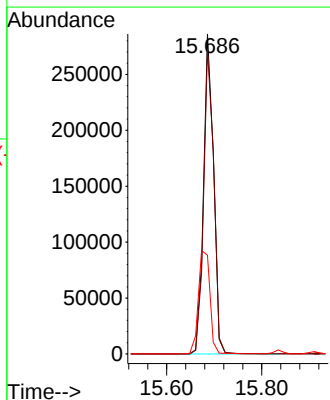
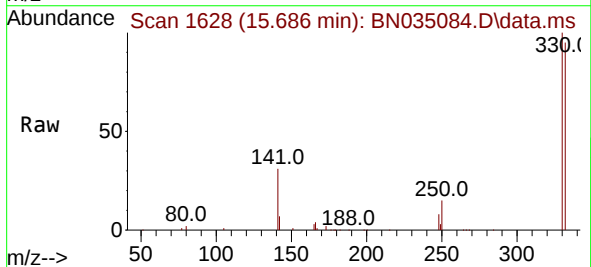
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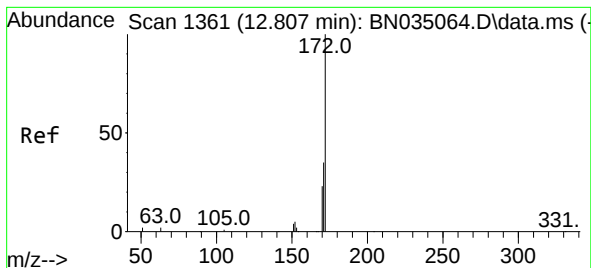
Tgt Ion:164 Resp: 5458
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.2
160 48.4 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 107.082 ng
RT: 15.686 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:330 Resp: 421617
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 37.1 29.6 44.4





#15

2-Fluorobiphenyl

Concen: 55.765 ng

RT: 12.807 min Scan# 1361

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

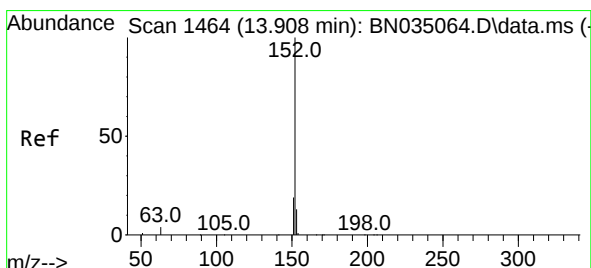
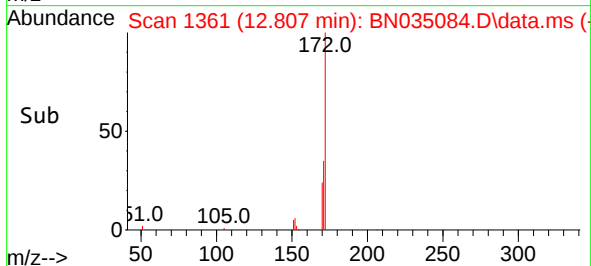
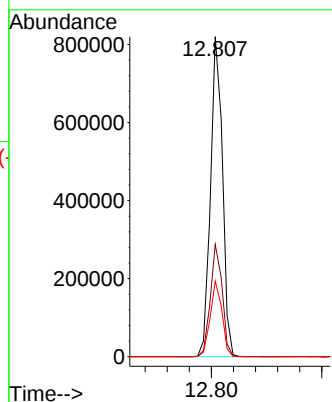
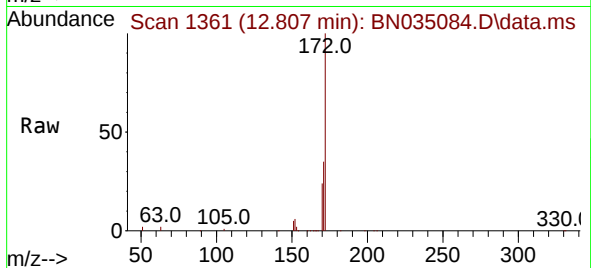
Tgt Ion:172 Resp: 1236100

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.7 19.0 28.6



#16

Acenaphthylene

Concen: 86.375 ng

RT: 13.908 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

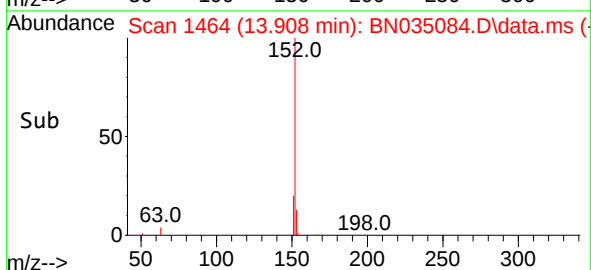
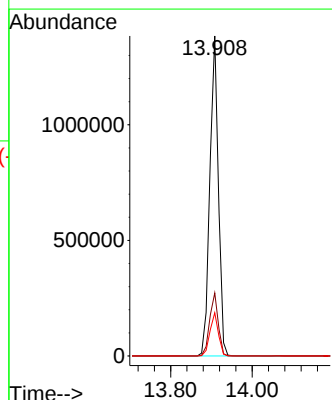
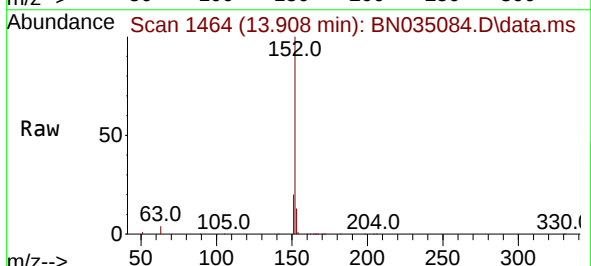
Tgt Ion:152 Resp: 2014770

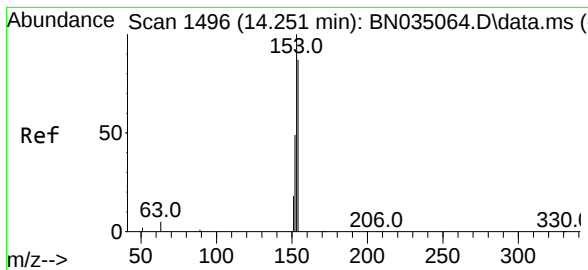
Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.3 10.2 15.4

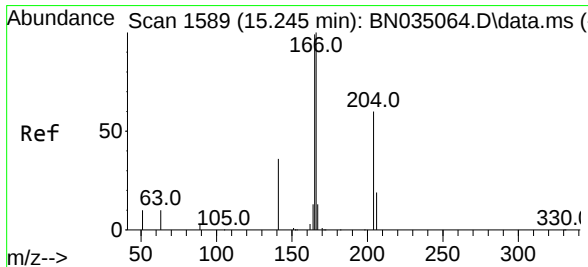
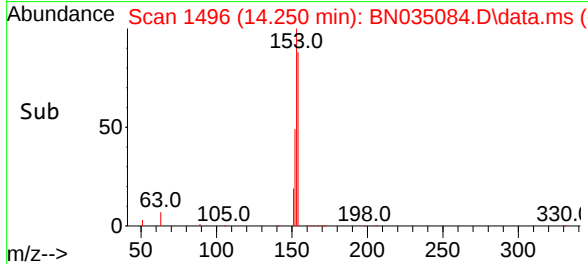
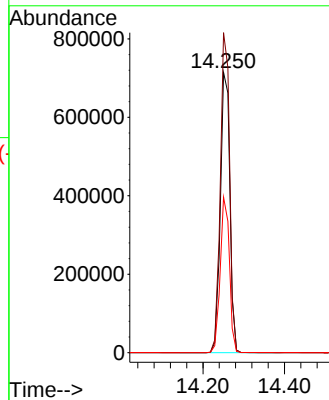
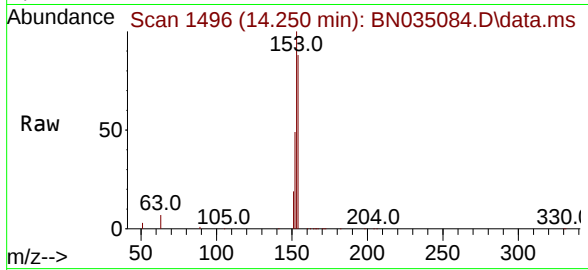




#17
Acenaphthene
Concen: 75.042 ng
RT: 14.250 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

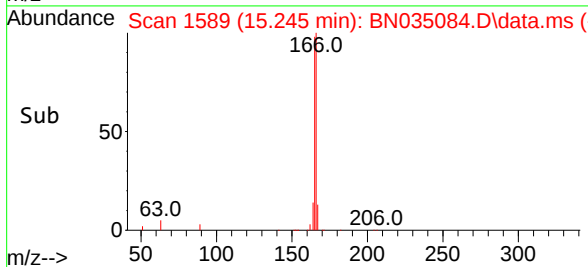
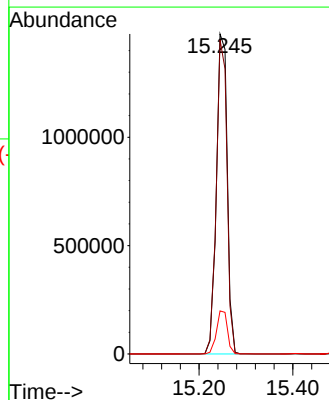
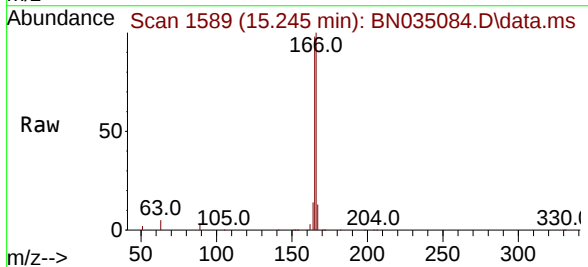
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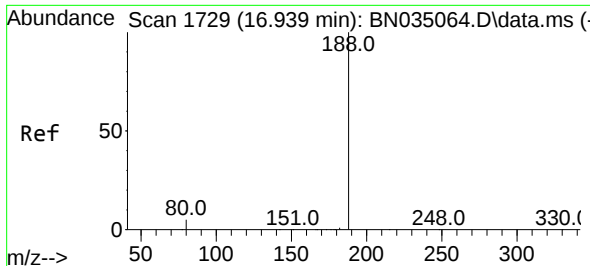
Tgt Ion:154 Resp: 1147118
Ion Ratio Lower Upper
154 100
153 112.6 91.6 137.4
152 53.8 45.8 68.6



#18
Fluorene
Concen: 106.245 ng
RT: 15.245 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:166 Resp: 2389052
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.5 10.6 16.0

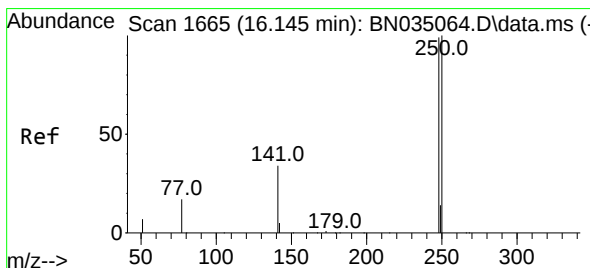
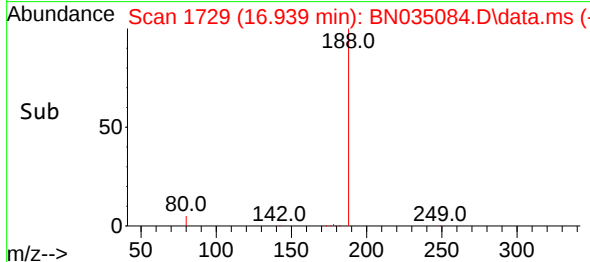
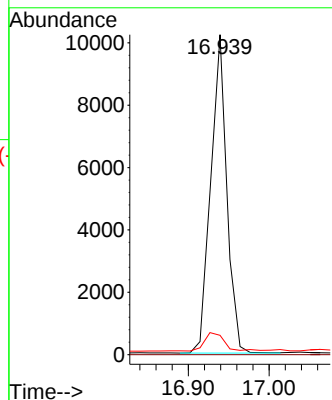
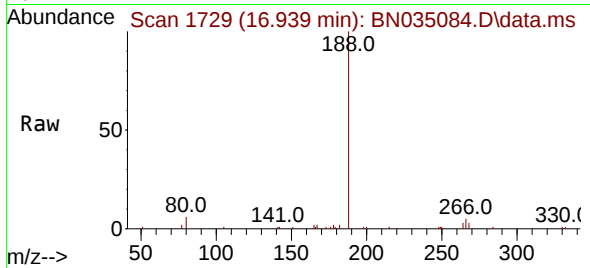




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.939 min Scan# 1729
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

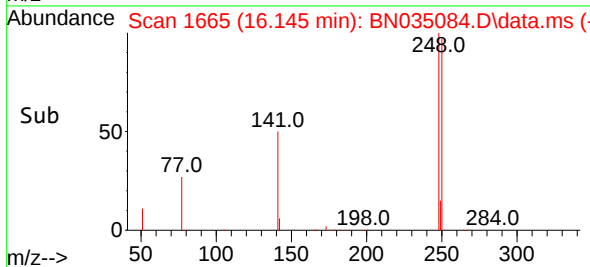
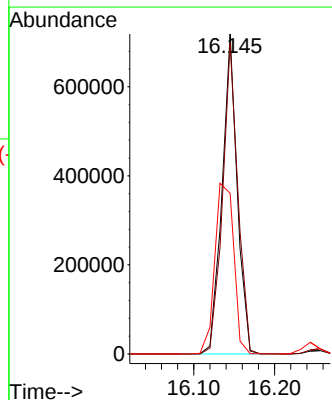
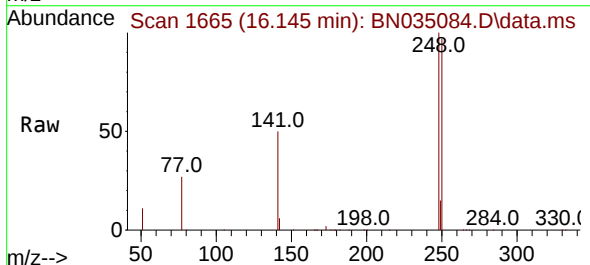
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

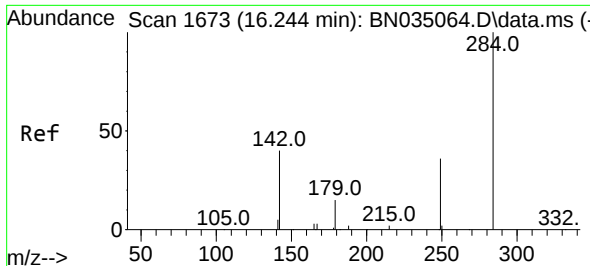
Tgt Ion:188 Resp: 14151
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.1 4.3 6.5



#21
4-Bromophenyl-phenylether
Concen: 104.055 ng
RT: 16.145 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:248 Resp: 938134
Ion Ratio Lower Upper
248 100
250 97.2 81.2 121.8
141 50.2 29.1 43.7#

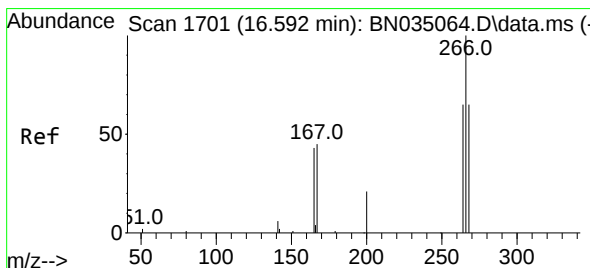
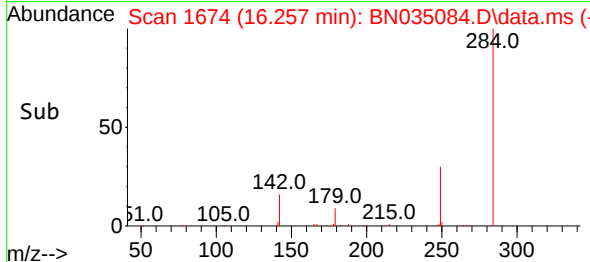
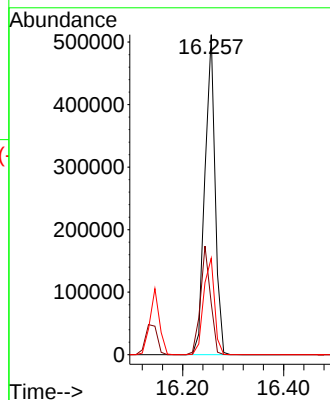
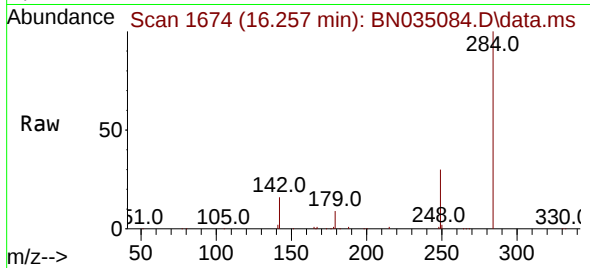




#22
Hexachlorobenzene
Concen: 77.365 ng
RT: 16.257 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

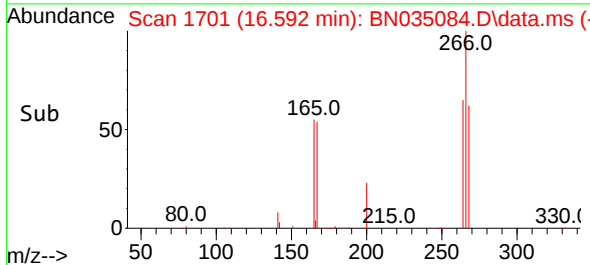
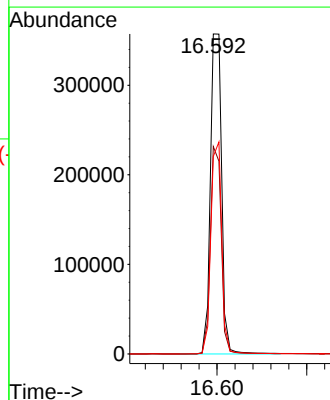
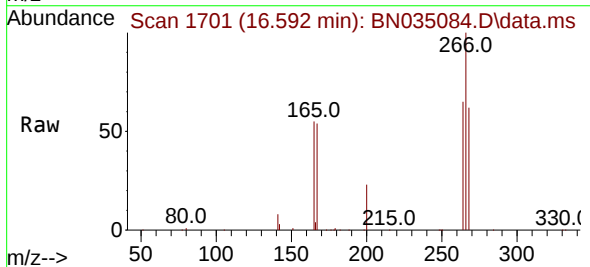
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

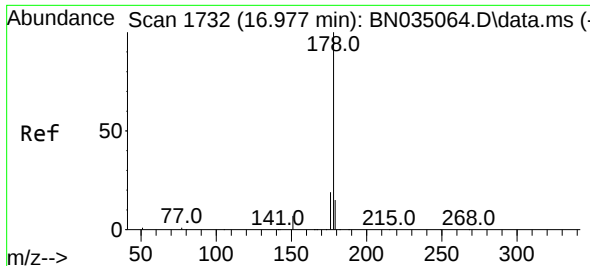
Tgt Ion:284 Resp: 723854
Ion Ratio Lower Upper
284 100
142 33.2 28.2 42.4
249 32.2 26.2 39.2



#24
Pentachlorophenol
Concen: 141.365 ng
RT: 16.592 min Scan# 1701
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:266 Resp: 617992
Ion Ratio Lower Upper
266 100
264 62.7 49.4 74.0
268 64.0 52.6 79.0

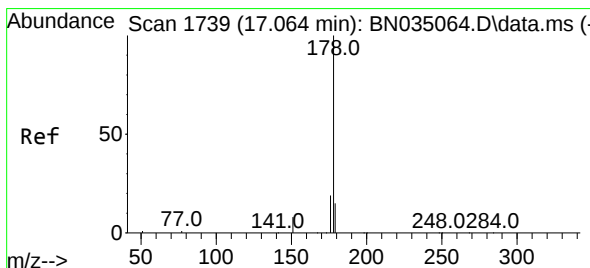
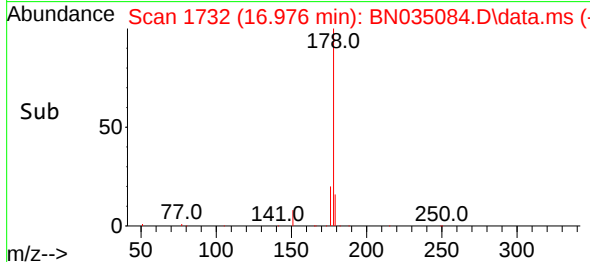
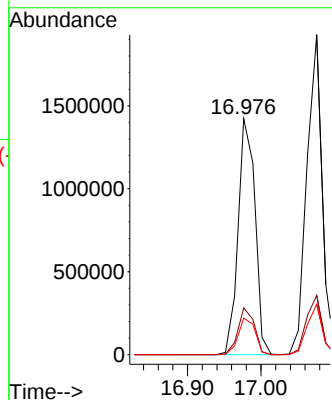
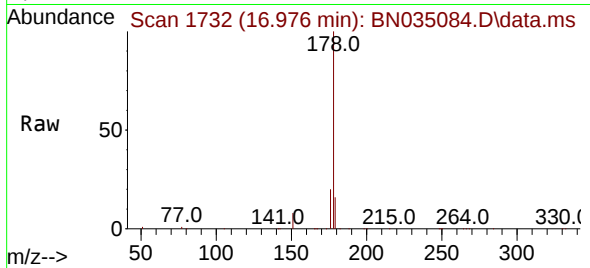




#25
Phenanthrene
Concen: 61.086 ng
RT: 16.976 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

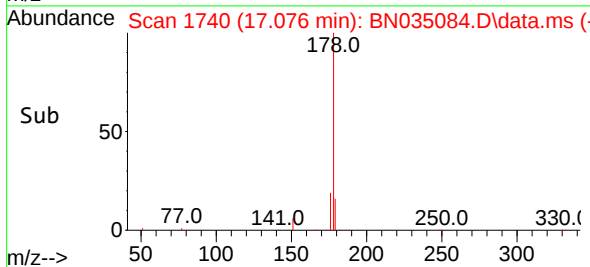
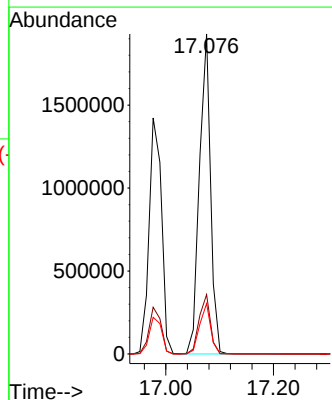
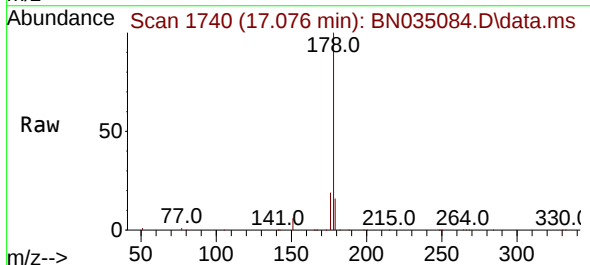
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

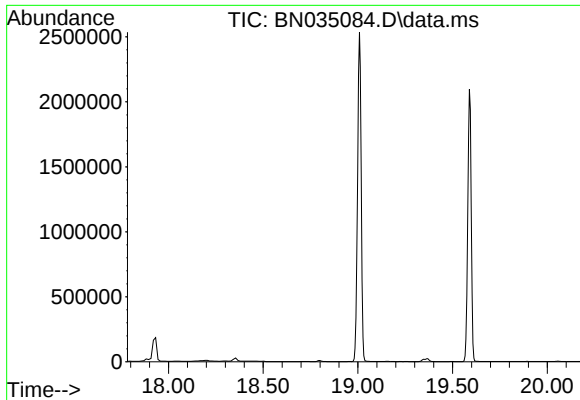
Tgt Ion:178 Resp: 2274895
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.6 12.6 18.8



#26
Anthracene
Concen: 81.116 ng
RT: 17.076 min Scan# 1740
Delta R.T. 0.012 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:178 Resp: 2774637
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 15.6 12.2 18.2

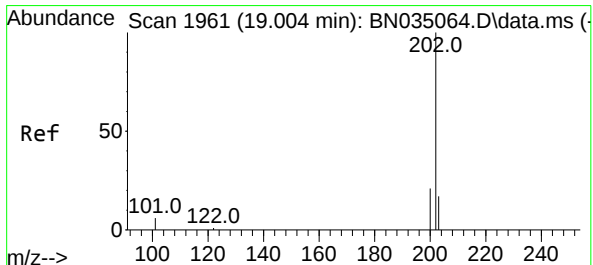
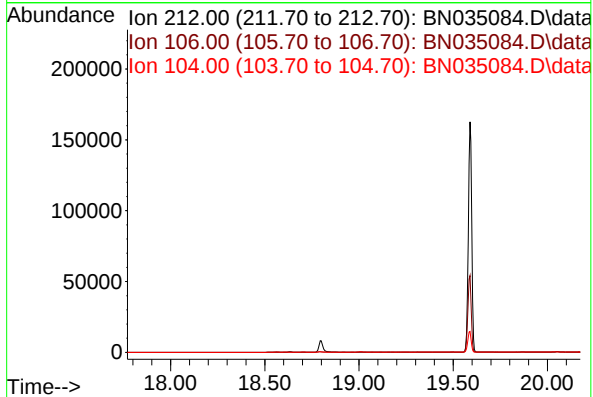




#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 18.98 min
 Lab File: BN035084.D
 Acq: 14 Nov 2024 11:24

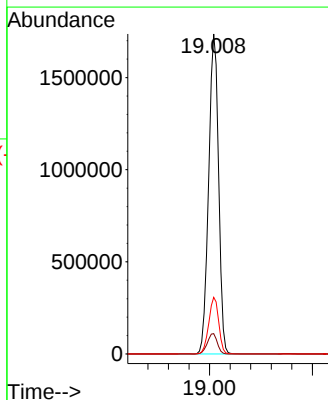
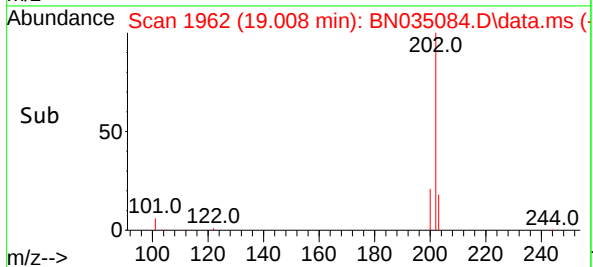
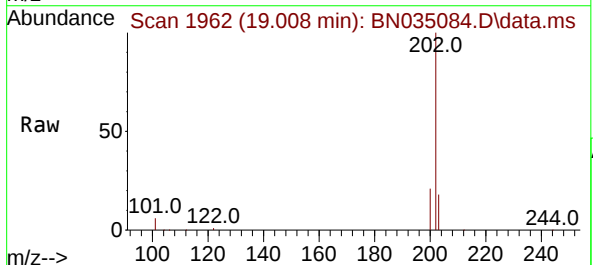
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

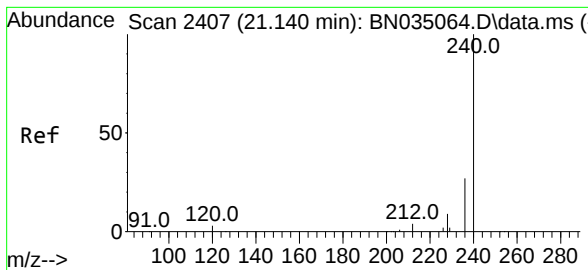
Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 7.5
 104 4.4



#28
 Fluoranthene
 Concen: 45.155 ng
 RT: 19.008 min Scan# 1962
 Delta R.T. 0.004 min
 Lab File: BN035084.D
 Acq: 14 Nov 2024 11:24

Tgt Ion: 202 Resp: 2312461
 Ion Ratio Lower Upper
 202 100
 101 6.4 5.2 7.8
 203 17.7 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.140 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

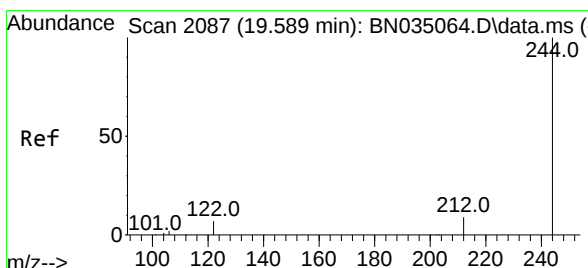
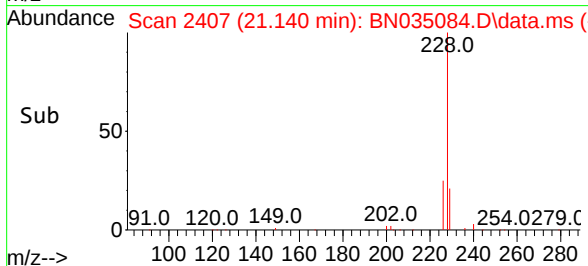
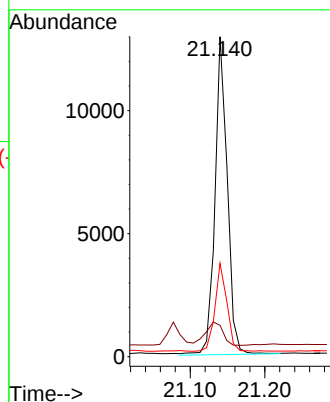
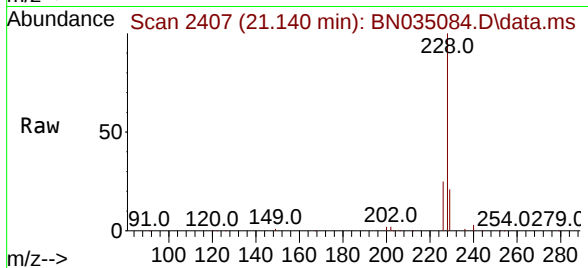
Tgt Ion:240 Resp: 14796

Ion Ratio Lower Upper

240 100

120 9.8 3.8 5.6#

236 29.2 22.2 33.2



#31

Terphenyl-d14

Concen: 69.476 ng

RT: 19.589 min Scan# 2087

Delta R.T. -0.000 min

Lab File: BN035084.D

Acq: 14 Nov 2024 11:24

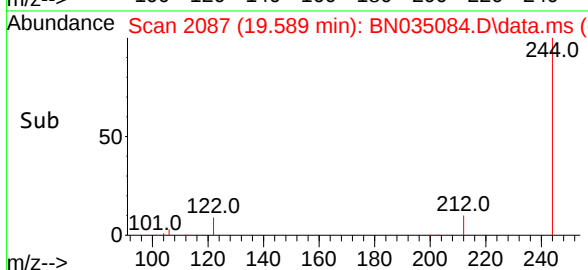
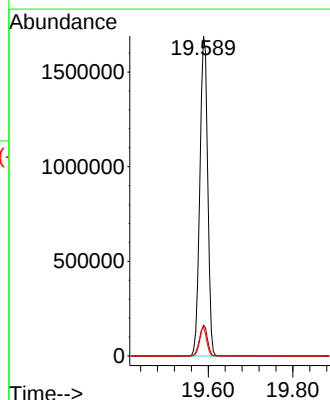
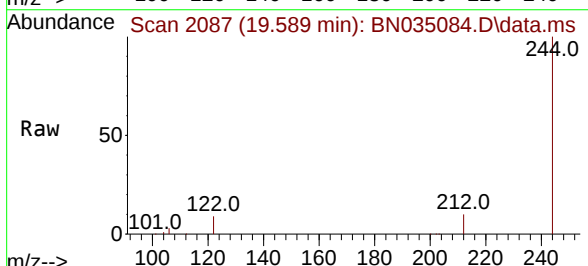
Tgt Ion:244 Resp: 2157057

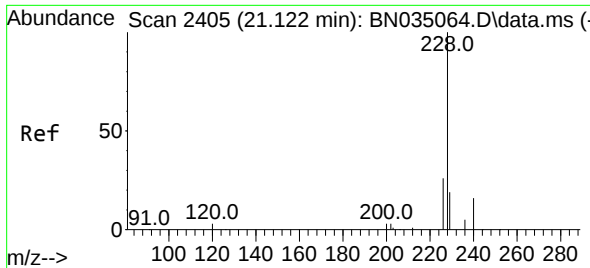
Ion Ratio Lower Upper

244 100

212 9.6 7.6 11.4

122 9.1 6.1 9.1

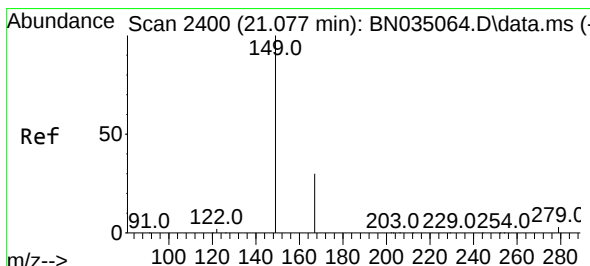
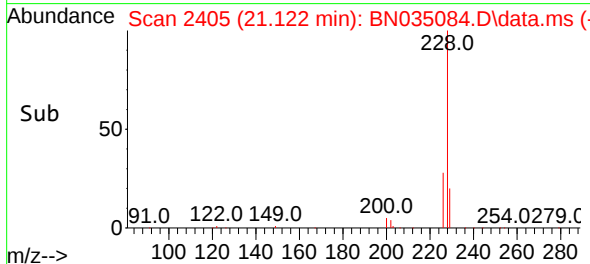
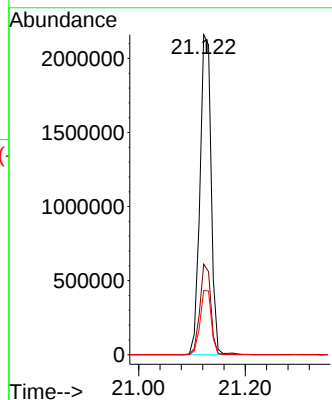
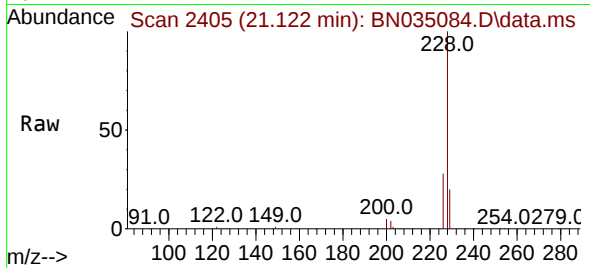




#32
Benzo(a)anthracene
Concen: 61.249 ng
RT: 21.122 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

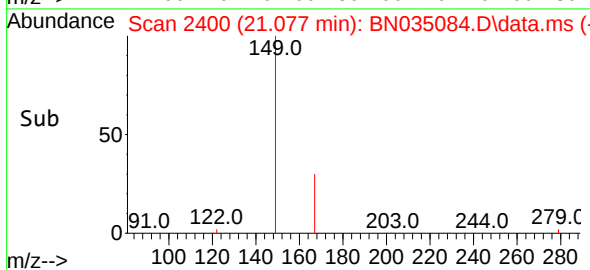
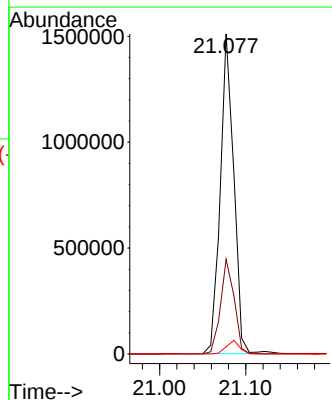
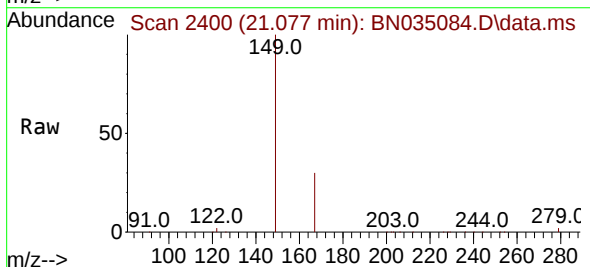
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

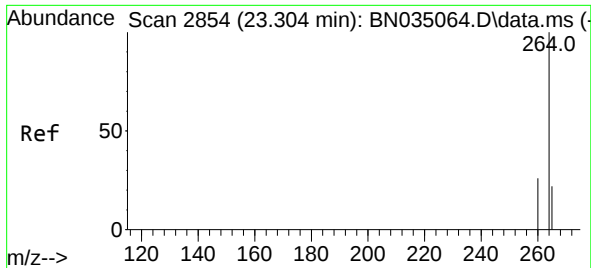
Tgt Ion:228 Resp: 3155552
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 20.0 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 60.611 ng
RT: 21.077 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:149 Resp: 1638521
Ion Ratio Lower Upper
149 100
167 29.8 23.2 34.8
279 4.1 3.2 4.8

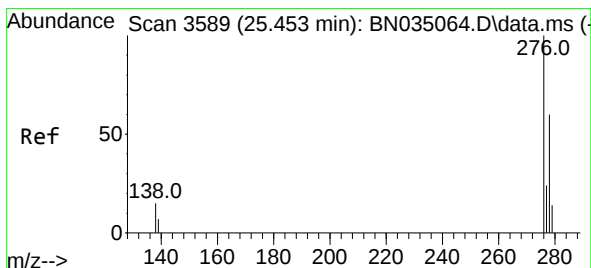
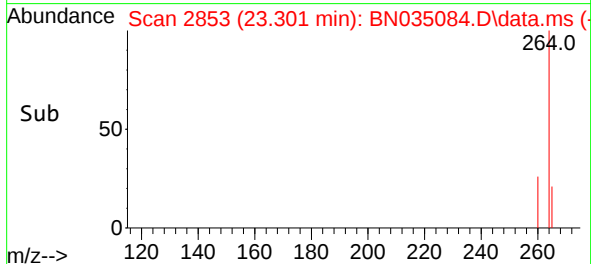
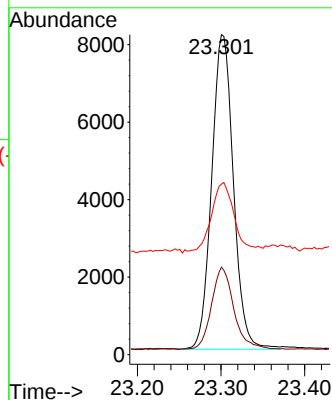
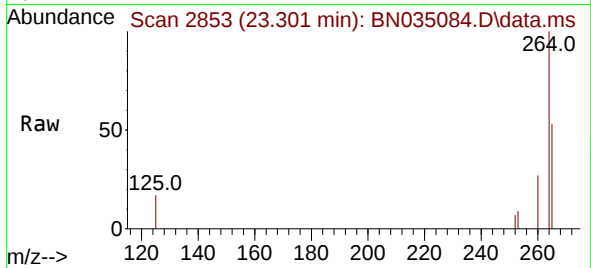




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.301 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

Tgt Ion:264 Resp: 14652
Ion Ratio Lower Upper
264 100
260 27.3 20.9 31.3
265 53.3 35.4 53.2#



#36
Indeno(1,2,3-cd)pyrene
Concen: 30.848 ng
RT: 25.464 min Scan# 3593
Delta R.T. 0.011 min
Lab File: BN035084.D
Acq: 14 Nov 2024 11:24

Tgt Ion:276 Resp: 1803107
Ion Ratio Lower Upper
276 100
138 12.6 13.0 19.4#
277 23.8 19.8 29.6

