

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051322\
 Data File : BN019766.D
 Acq On : 13 May 2022 11:21
 Operator : CG/JU
 Sample : N2656-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 13 23:59:05 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 02:41:37 2022
 Response via : Initial Calibration

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

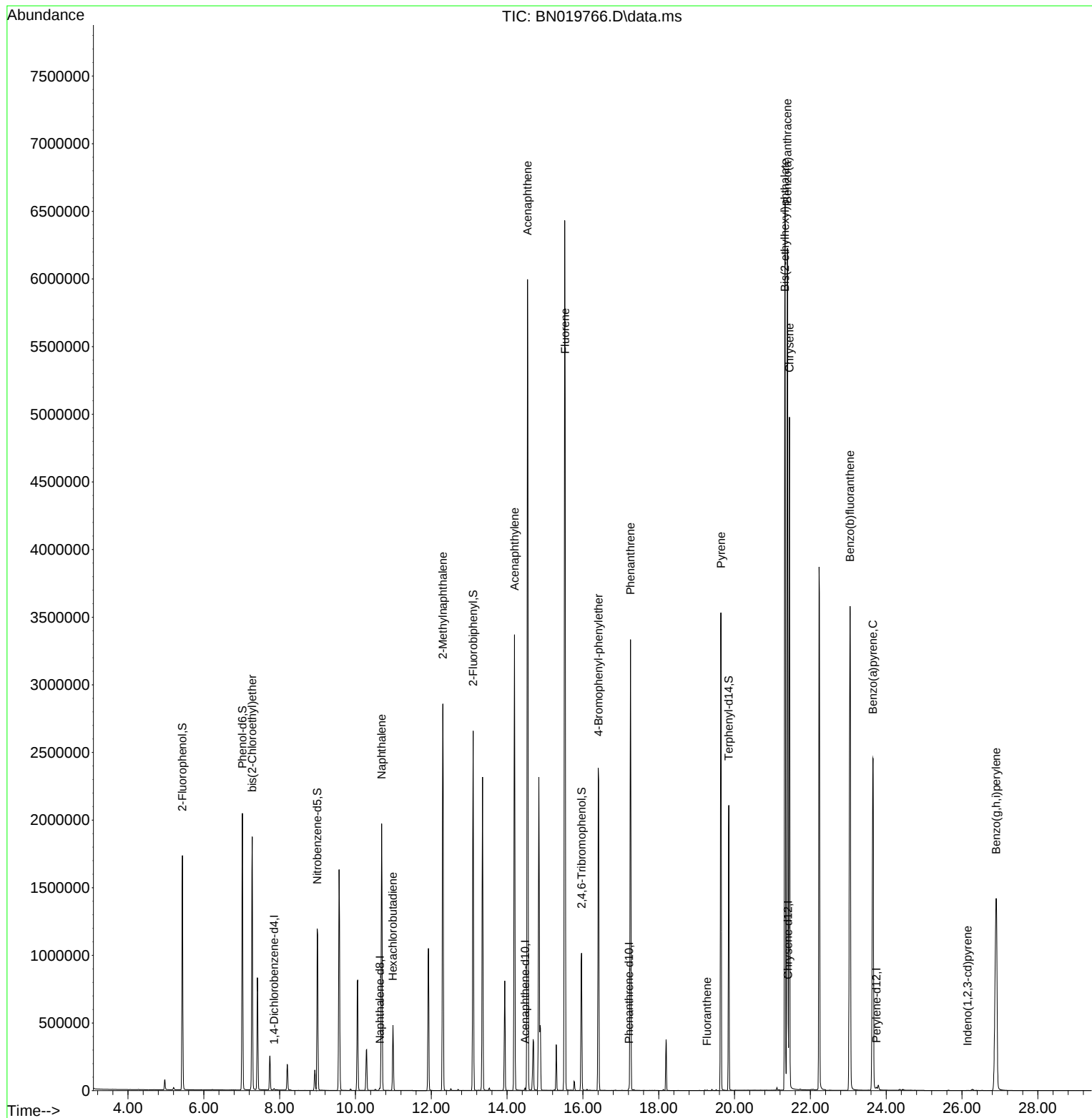
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	4748	0.400	ng	0.00
7) Naphthalene-d8	10.648	136	16296	0.400	ng	0.00
13) Acenaphthene-d10	14.474	164	9725	0.400	ng	0.00
19) Phenanthrene-d10	17.215	188	21991	0.400	ng	0.00
29) Chrysene-d12	21.413	240	17200	0.400	ng	# 0.00
35) Perylene-d12	23.744	264	20542	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	1341727	112.973	ng	0.00
5) Phenol-d6	7.017	99	1844730	123.939	ng	0.00
8) Nitrobenzene-d5	8.993	82	961281	78.113	ng	-0.01
11) 2-Methylnaphthalene-d10	12.212	152	5	0.000	ng	-0.02
14) 2,4,6-Tribromophenol	15.964	330	565004	146.982	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	2351069	55.373	ng	0.00
27) Fluoranthene-d10	19.248	212	28	0.000	ng	0.00
31) Terphenyl-d14	19.847	244	2620919	64.620	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.277	93	1329351	91.750	ng	98
9) Naphthalene	10.690	128	2667138	53.903	ng	99
10) Hexachlorobutadiene	10.989	225	395677	43.979	ng	# 100
12) 2-Methylnaphthalene	12.306	142	2201000	65.292	ng	98
16) Acenaphthylene	14.196	152	3817884	83.687	ng	99
17) Acenaphthene	14.538	154	3576908	106.023	ng	99
18) Fluorene	15.532	166	3016879	70.726	ng	98
21) 4-Bromophenyl-phenylether	16.415	248	1278213	95.138	ng	# 85
25) Phenanthrene	17.256	178	3579366	47.008	ng	99
28) Fluoranthene	19.274	202	3634	0.045	ng	# 83
30) Pyrene	19.640	202	3479000	47.685	ng	99
32) Benzo(a)anthracene	21.395	228	6359479	101.455	ng	97
33) Chrysene	21.449	228	4445365	63.248	ng	98
34) Bis(2-ethylhexyl)phtha...	21.333	149	7576838	290.248	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.144	276	1980	0.021	ng	# 71
37) Benzo(b)fluoranthene	23.048	252	5785822	64.529	ng	98
39) Benzo(a)pyrene	23.650	252	4117150	58.344	ng	95
41) Benzo(g,h,i)perylene	26.901	276	3418946	42.875	ng	99

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

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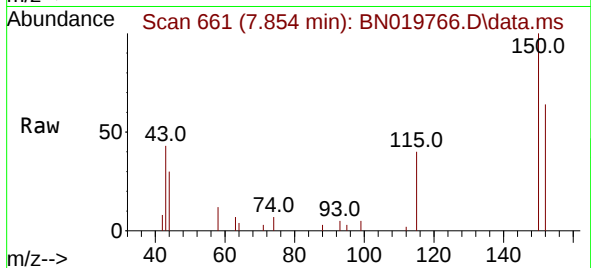
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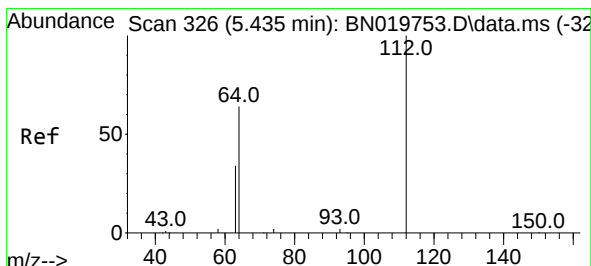
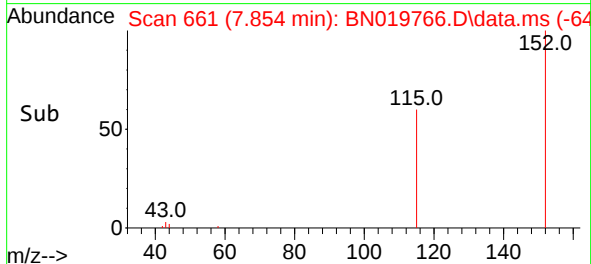
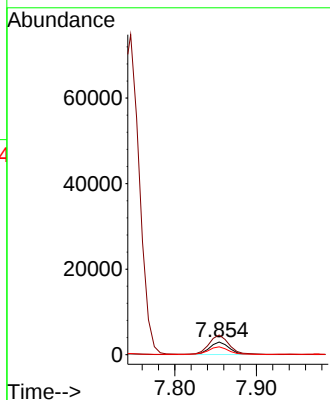
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.854 min Scan# 661
 Delta R.T. -0.008 min
 Lab File: BN019766.D
 Acq: 13 May 2022 11:21

Instrument :
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Tgt Ion:152 Resp: 4748

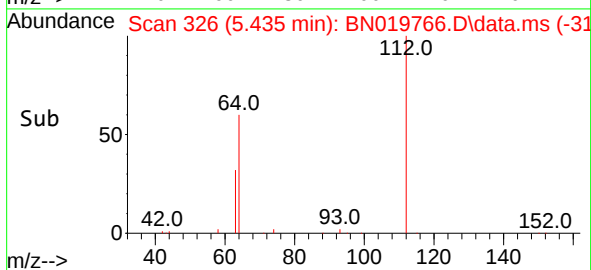
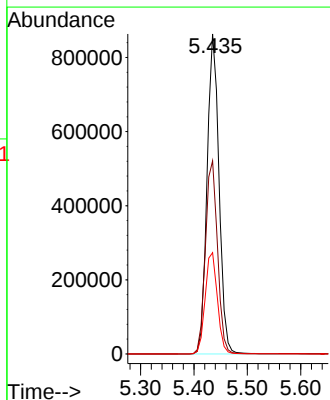
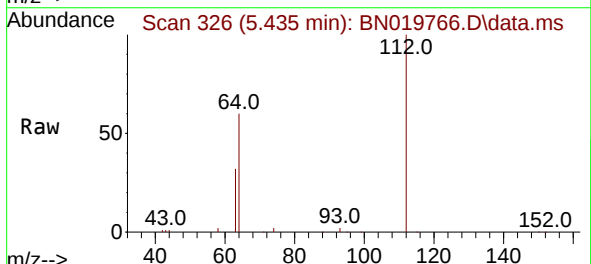
Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.9	191.9
115	62.8	51.4	77.2

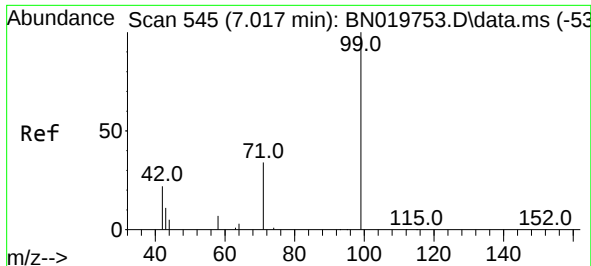


#4
 2-Fluorophenol
 Concen: 112.973 ng
 RT: 5.435 min Scan# 326
 Delta R.T. -0.007 min
 Lab File: BN019766.D
 Acq: 13 May 2022 11:21

Tgt Ion:112 Resp: 1341727

Ion	Ratio	Lower	Upper
112	100		
64	61.5	49.1	73.7
63	32.6	26.3	39.5

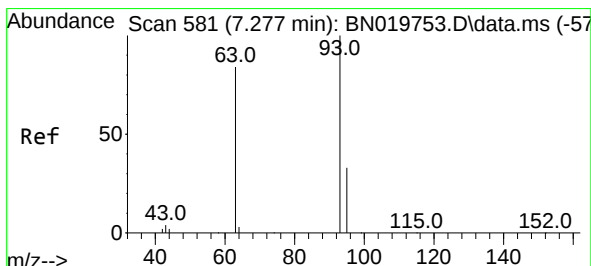
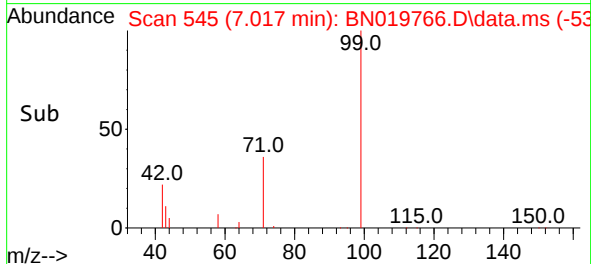
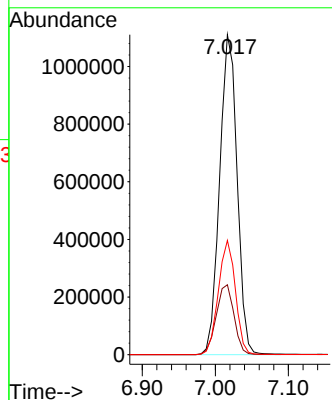
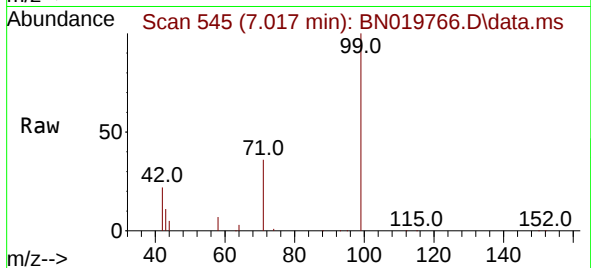




#5
Phenol-d6
Concen: 123.939 ng
RT: 7.017 min Scan# 545
Delta R.T. -0.007 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

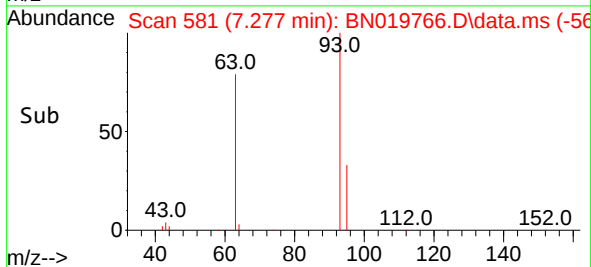
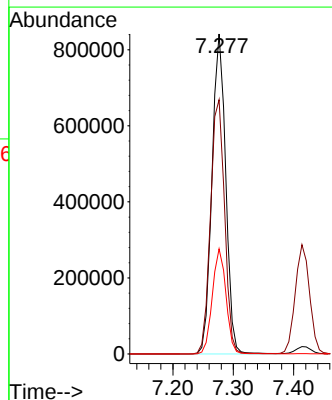
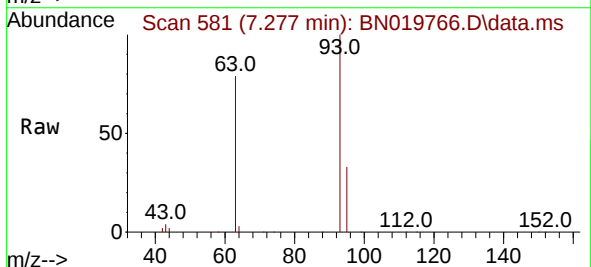
Instrument :
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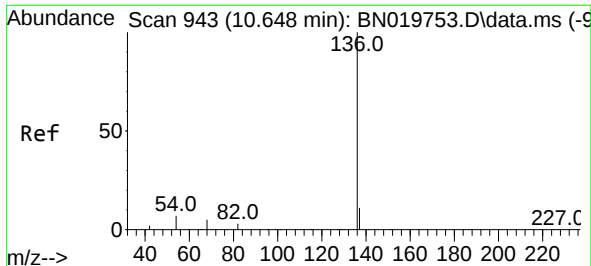
Tgt Ion: 99 Resp: 1844730
Ion Ratio Lower Upper
99 100
42 22.2 19.3 28.9
71 34.9 27.5 41.3



#6
bis(2-Chloroethyl)ether
Concen: 91.750 ng
RT: 7.277 min Scan# 581
Delta R.T. -0.007 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion: 93 Resp: 1329351
Ion Ratio Lower Upper
93 100
63 81.8 67.4 101.0
95 32.7 26.5 39.7

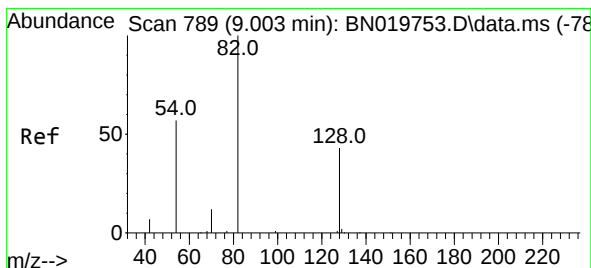
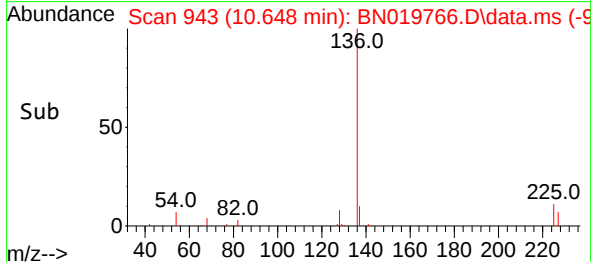
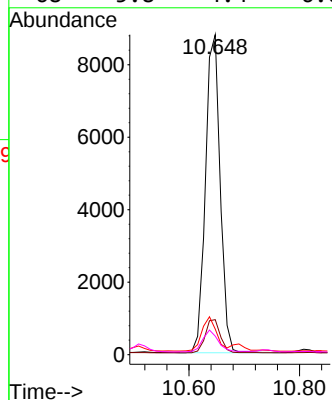
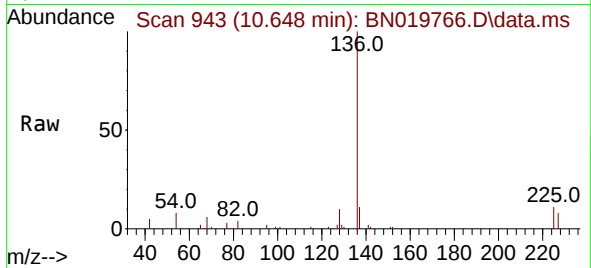




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.648 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

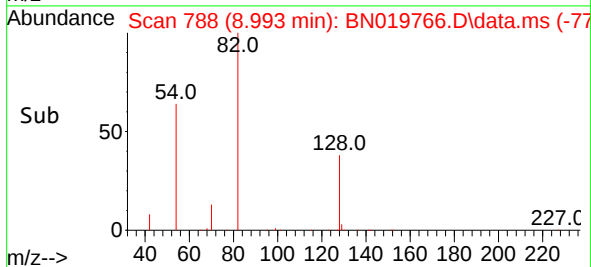
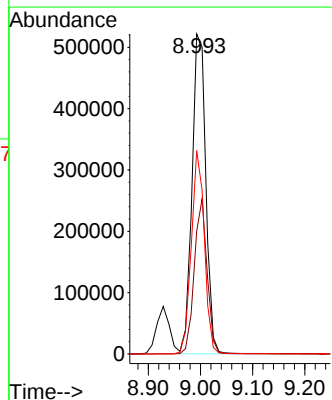
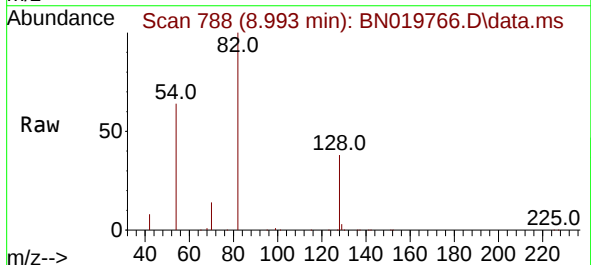
Instrument :
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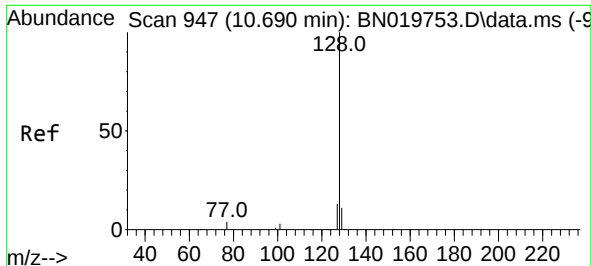
Tgt Ion:136	Resp:	16296
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.0 13.6
54	8.0	6.2 9.2
68	5.8	4.4 6.6



#8
Nitrobenzene-d5
Concen: 78.113 ng
RT: 8.993 min Scan# 788
Delta R.T. -0.011 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion: 82	Resp:	961281
Ion Ratio	Lower	Upper
82	100	
128	38.3	35.0 52.6
54	63.5	46.2 69.4

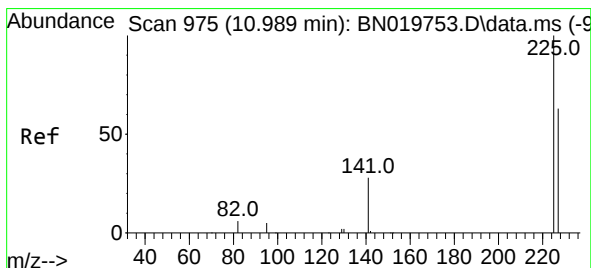
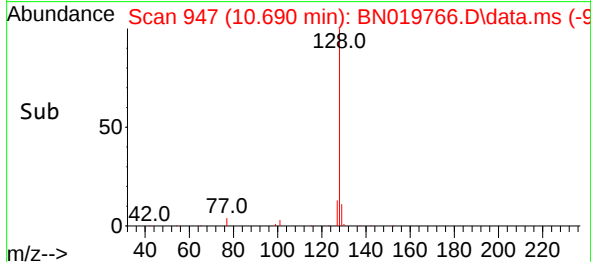
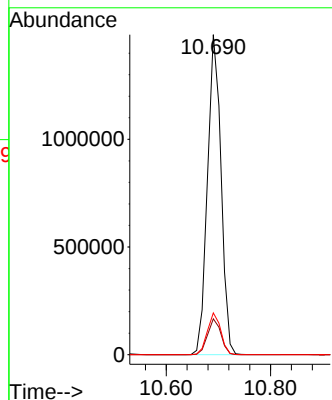
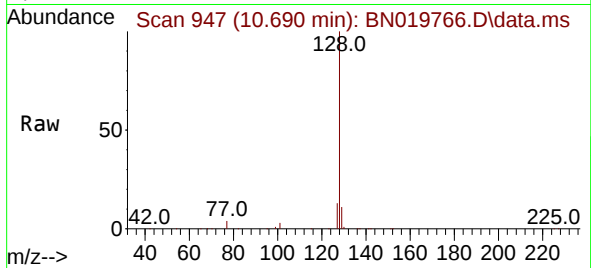




#9
Naphthalene
Concen: 53.903 ng
RT: 10.690 min Scan# 947
Delta R.T. -0.011 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

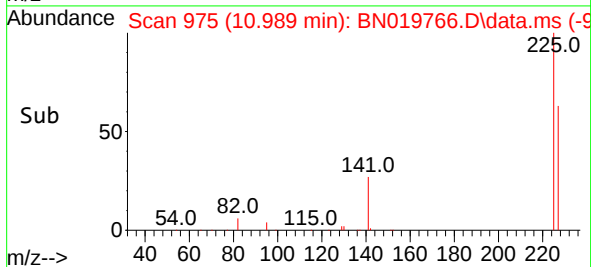
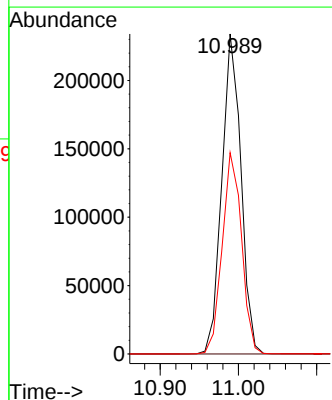
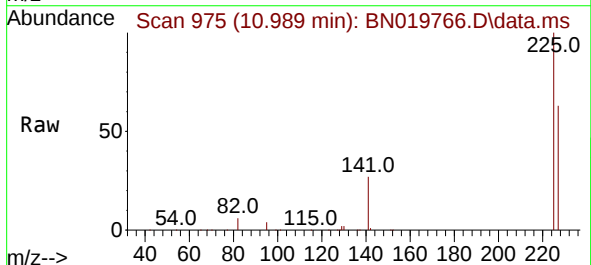
Instrument :
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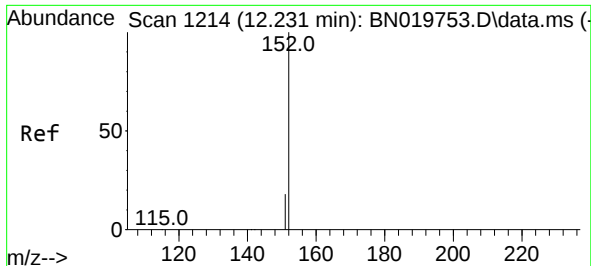
Tgt Ion:128 Resp: 2667138
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.1 10.8 16.2



#10
Hexachlorobutadiene
Concen: 43.979 ng
RT: 10.989 min Scan# 975
Delta R.T. -0.011 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:225 Resp: 395677
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 50.9 76.3

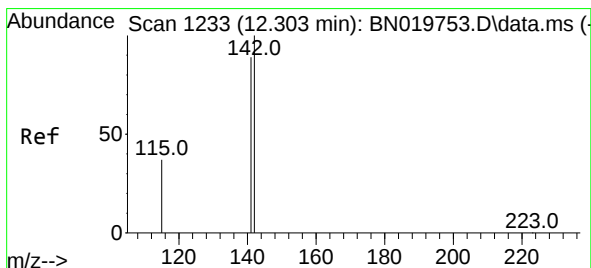
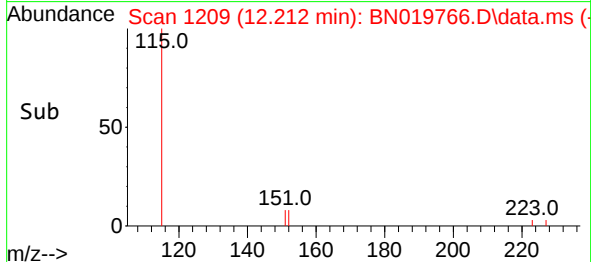
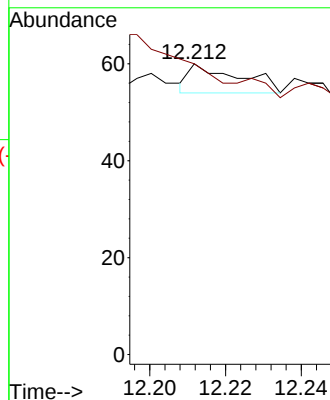
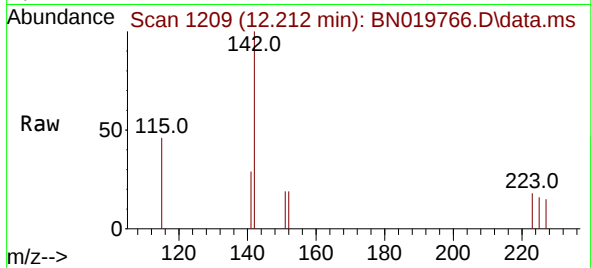




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.212 min Scan# 11
Delta R.T. -0.023 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

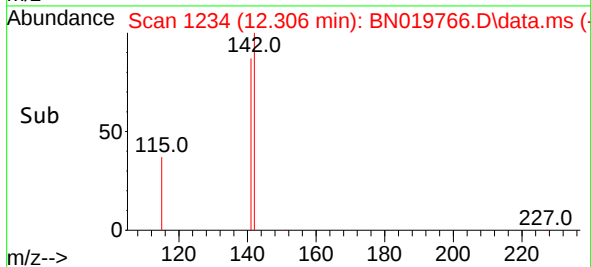
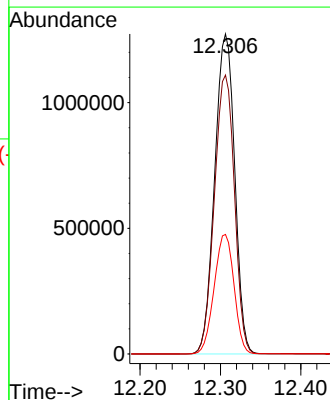
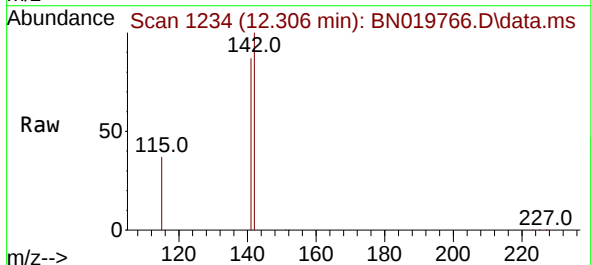
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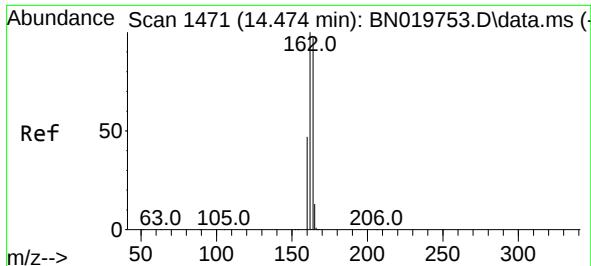
Tgt Ion:152 Resp: 5
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.4#



#12
2-Methylnaphthalene
Concen: 65.292 ng
RT: 12.306 min Scan# 1234
Delta R.T. -0.004 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:142 Resp: 2201000
Ion Ratio Lower Upper
142 100
141 87.1 71.6 107.4
115 37.4 29.8 44.8

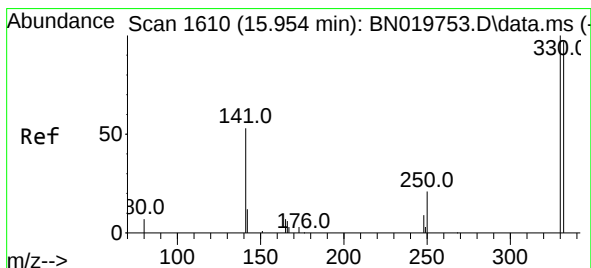
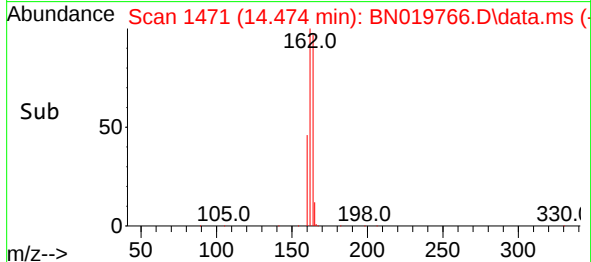
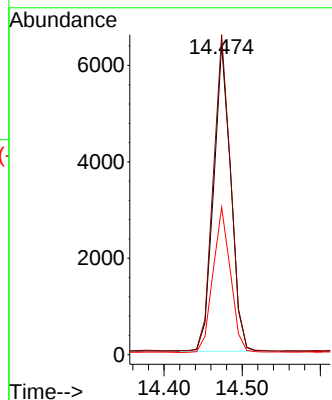
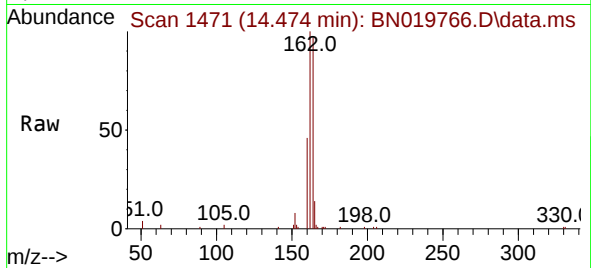




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.474 min Scan# 1471
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

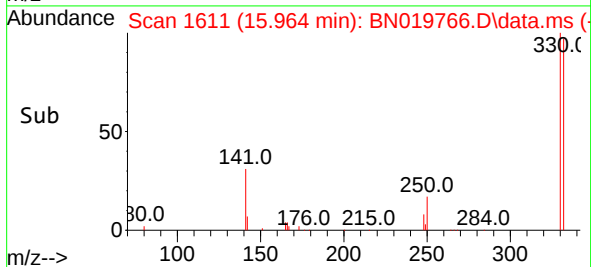
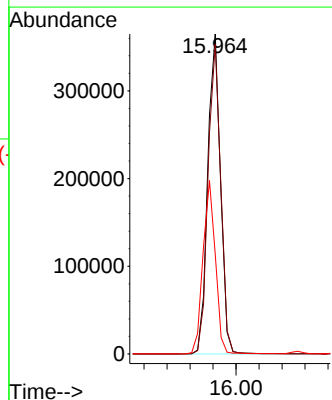
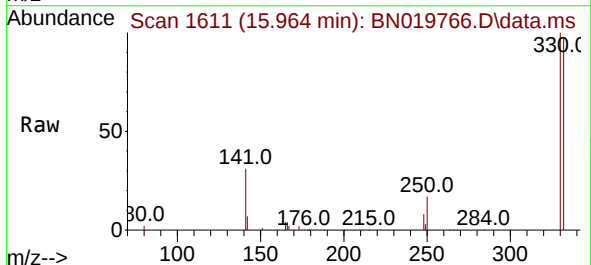
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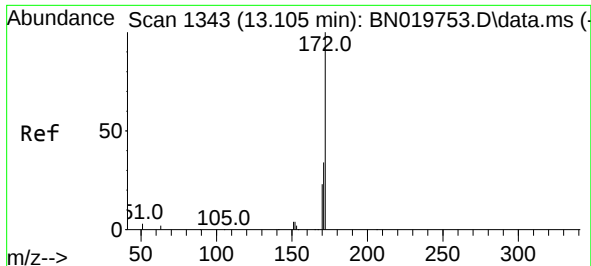
Tgt Ion:164 Resp: 9725
Ion Ratio Lower Upper
164 100
162 102.9 82.1 123.1
160 47.4 38.6 58.0



#14
2,4,6-Tribromophenol
Concen: 146.982 ng
RT: 15.964 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:330 Resp: 565004
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 52.6 41.0 61.4

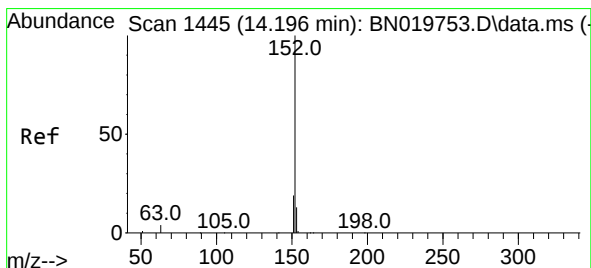
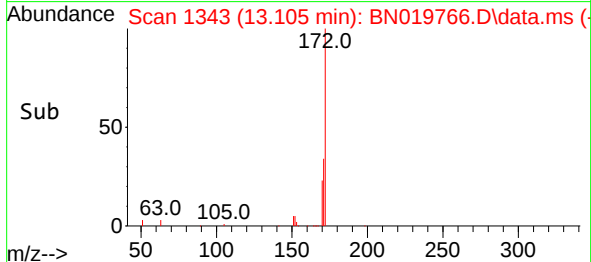
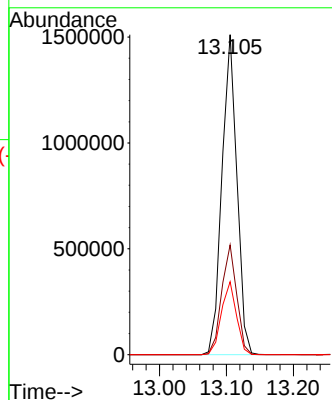
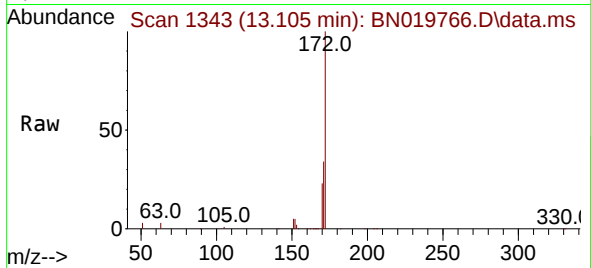




#15
2-Fluorobiphenyl
Concen: 55.373 ng
RT: 13.105 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

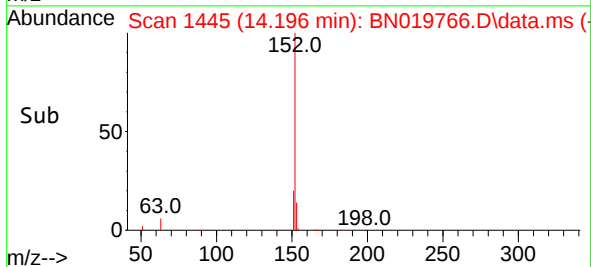
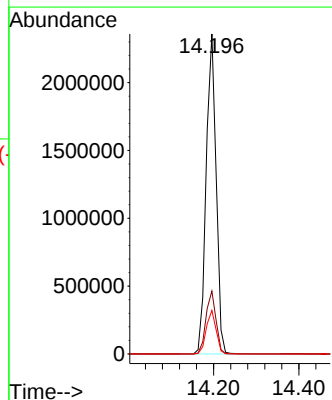
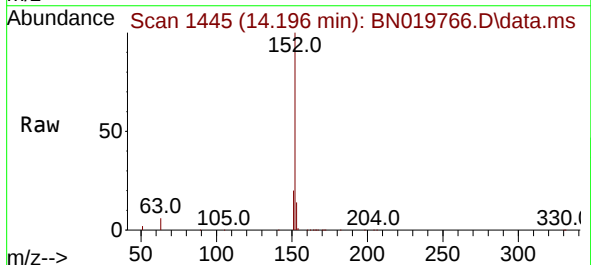
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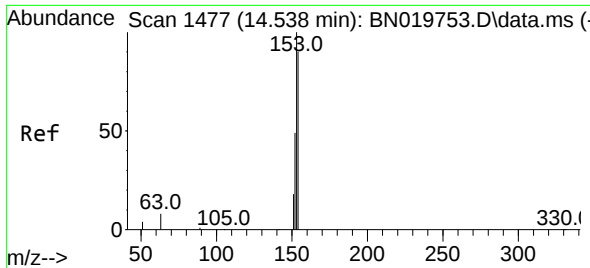
Tgt Ion:172 Resp: 2351069
Ion Ratio Lower Upper
172 100
171 34.3 27.2 40.8
170 22.8 18.2 27.4



#16
Acenaphthylene
Concen: 83.687 ng
RT: 14.196 min Scan# 1445
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:152 Resp: 3817884
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.4 10.7 16.1

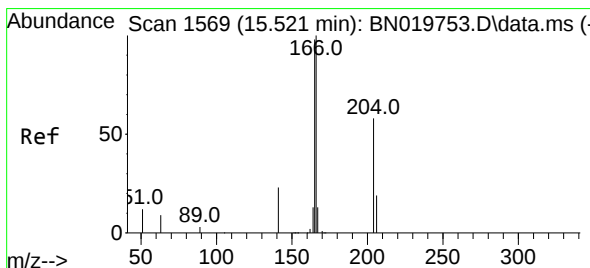
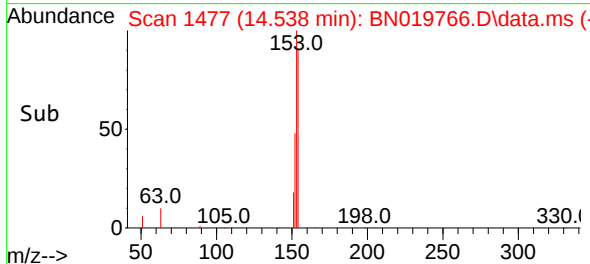
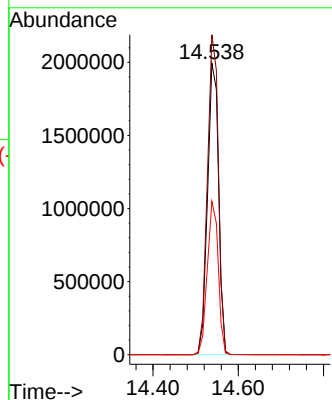
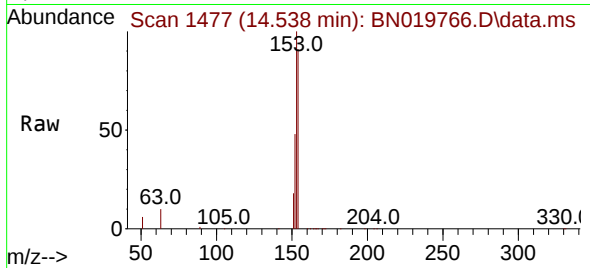




#17
Acenaphthene
Concen: 106.023 ng
RT: 14.538 min Scan# 1477
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

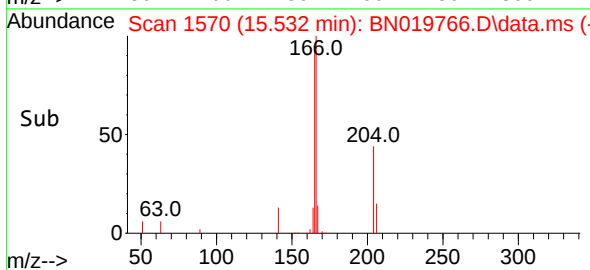
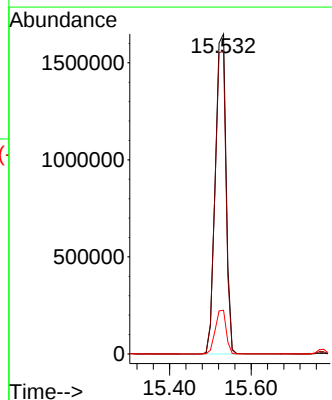
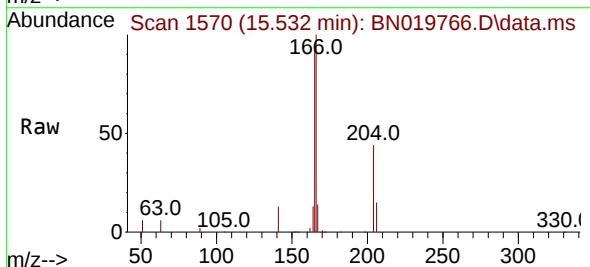
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

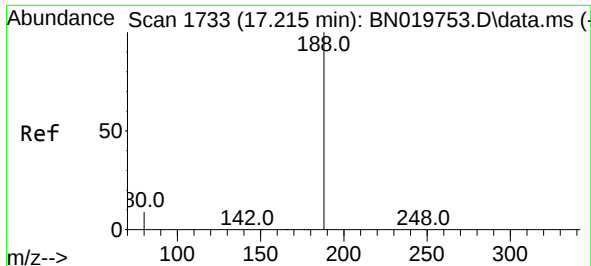
Tgt Ion:154 Resp: 3576908
Ion Ratio Lower Upper
154 100
153 109.8 87.5 131.3
152 52.1 43.8 65.6



#18
Fluorene
Concen: 70.726 ng
RT: 15.532 min Scan# 1570
Delta R.T. 0.011 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:166 Resp: 3016879
Ion Ratio Lower Upper
166 100
165 96.2 78.6 118.0
167 13.7 10.8 16.2

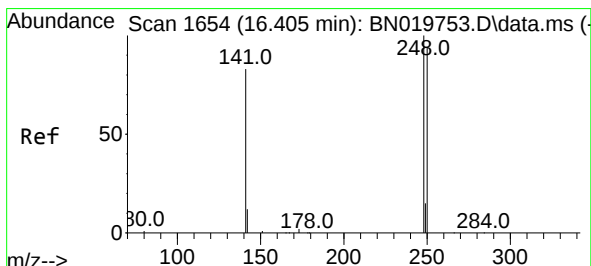
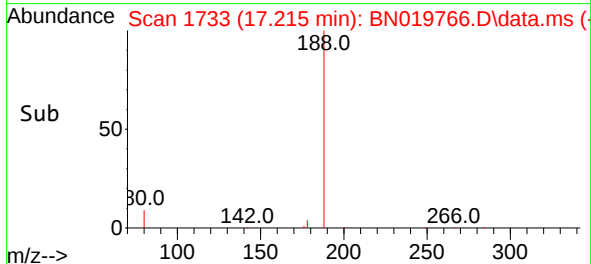
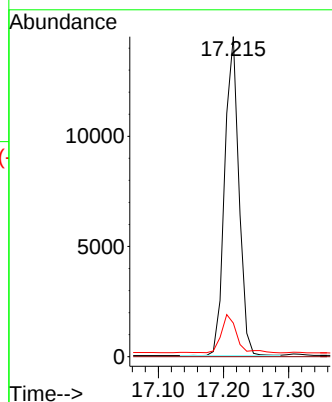
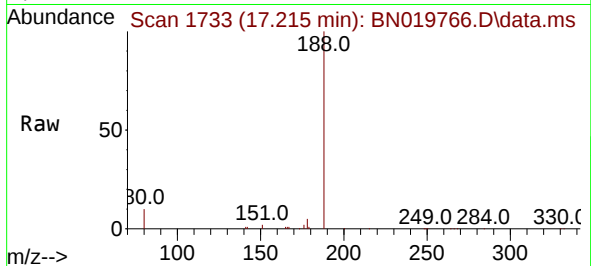




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.215 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

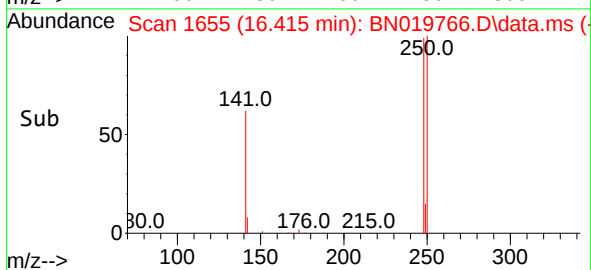
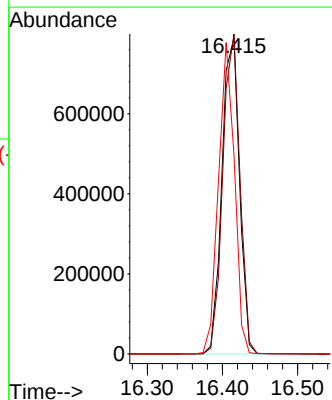
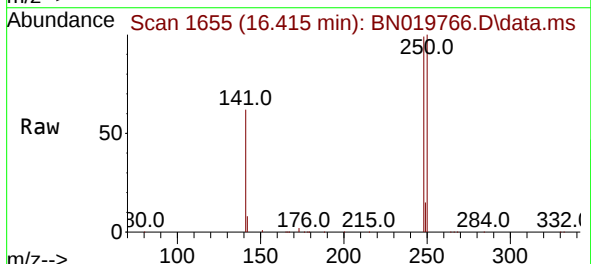
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

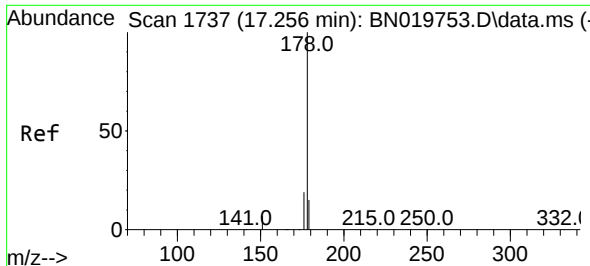
Tgt Ion:188 Resp: 21991
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.5 7.4 11.2



#21
4-Bromophenyl-phenylether
Concen: 95.138 ng
RT: 16.415 min Scan# 1655
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:248 Resp: 1278213
Ion Ratio Lower Upper
248 100
250 101.3 75.3 112.9
141 63.1 67.3 100.9#

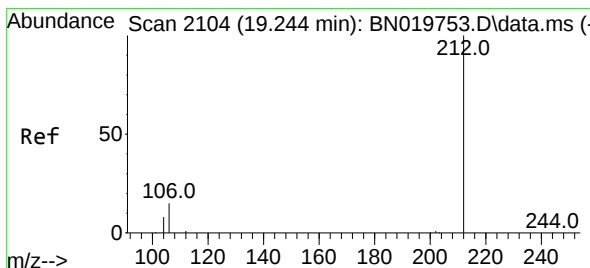
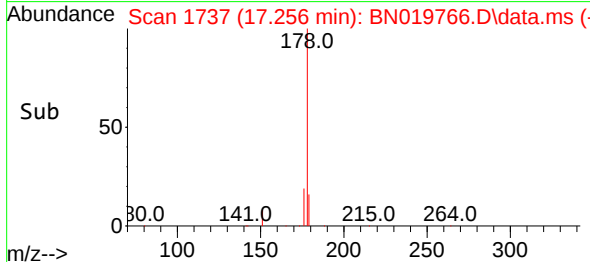
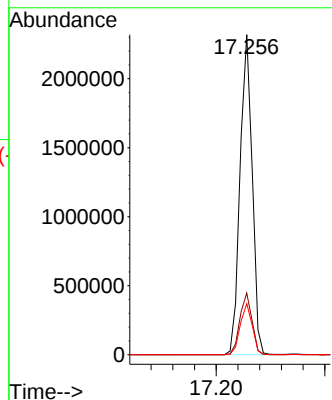
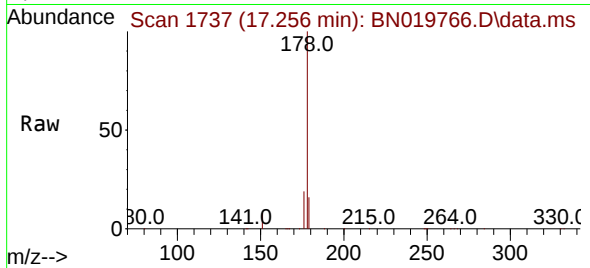




#25
Phenanthrene
Concen: 47.008 ng
RT: 17.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

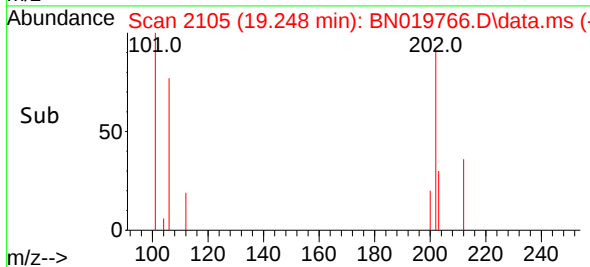
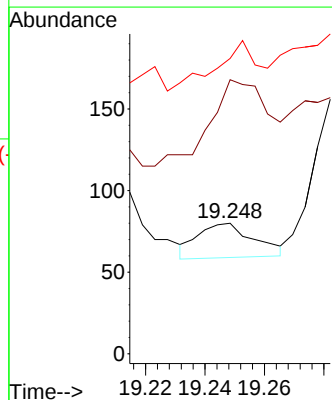
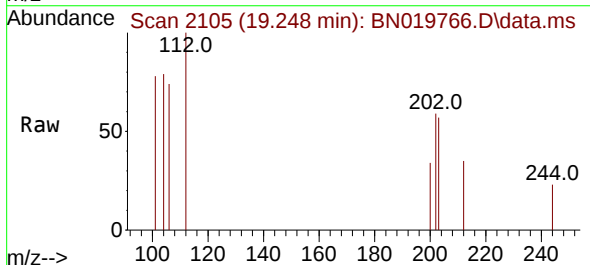
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

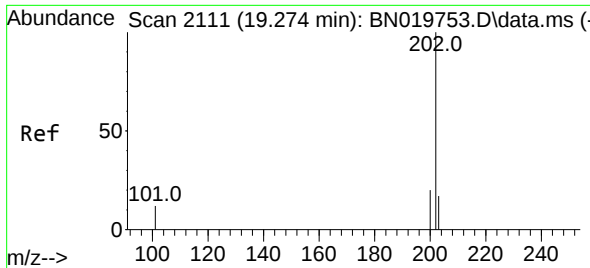
Tgt Ion:178 Resp: 3579366
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.7 12.2 18.4



#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.248 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:212 Resp: 28
Ion Ratio Lower Upper
212 100
106 260.7 12.6 19.0#
104 107.1 7.2 10.8#

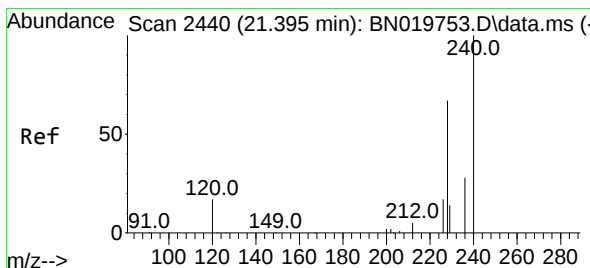
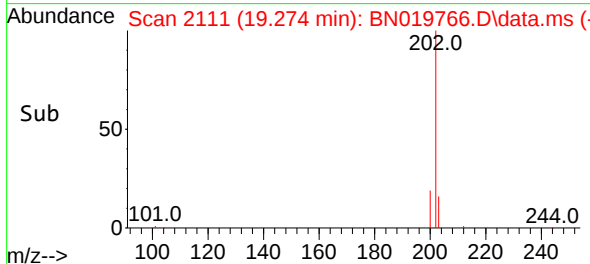
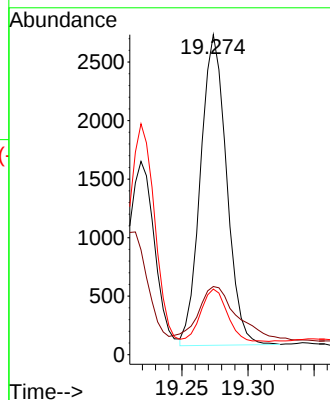
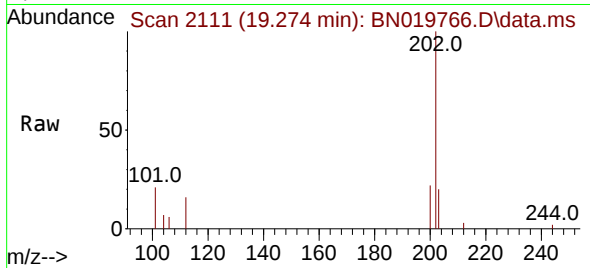




#28
Fluoranthene
Concen: 0.045 ng
RT: 19.274 min Scan# 2111
Delta R.T. -0.004 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

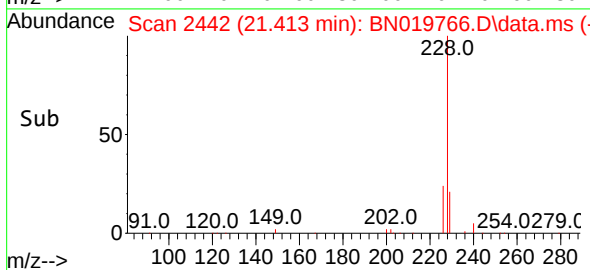
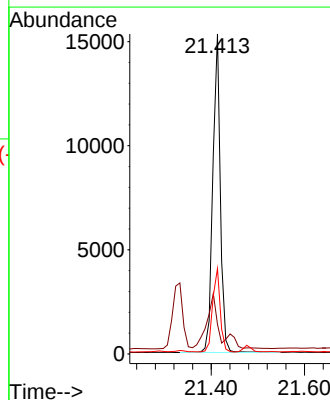
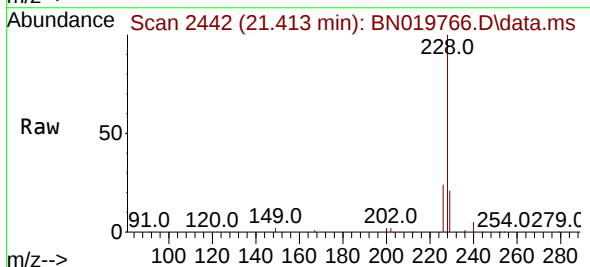
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

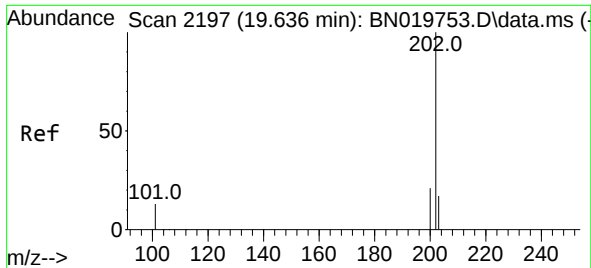
Tgt Ion:202 Resp: 3634
Ion Ratio Lower Upper
202 100
101 26.9 9.6 14.4#
203 17.7 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.413 min Scan# 2442
Delta R.T. 0.009 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:240 Resp: 17200
Ion Ratio Lower Upper
240 100
120 9.2 14.6 21.8#
236 26.7 22.6 33.8

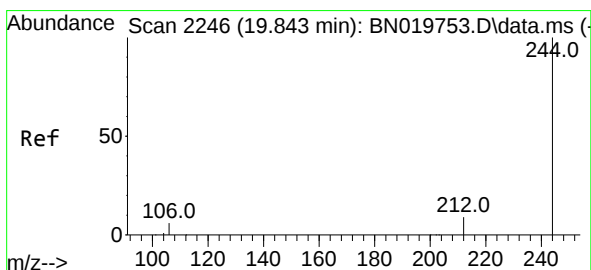
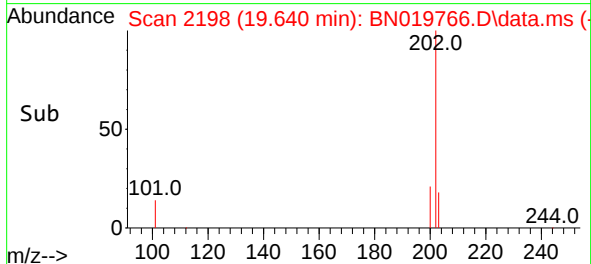
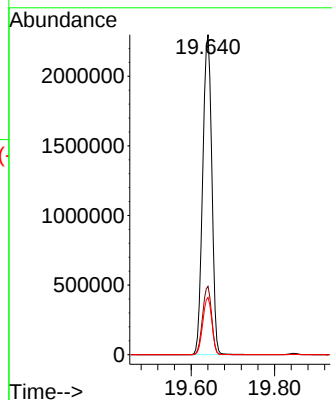
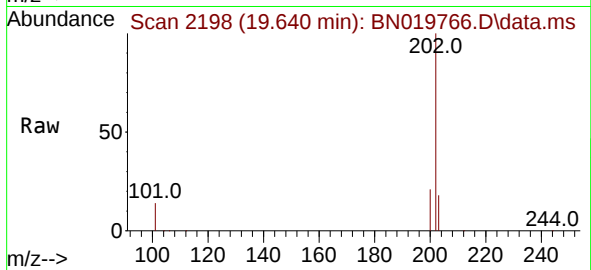




#30
Pyrene
Concen: 47.685 ng
RT: 19.640 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

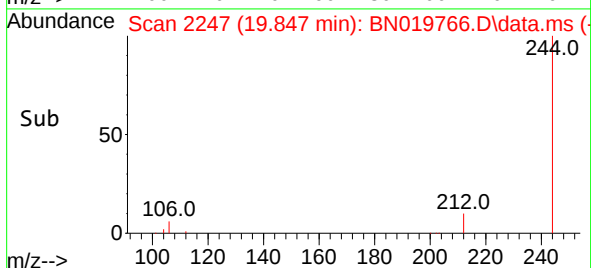
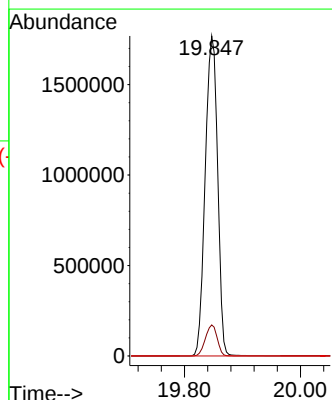
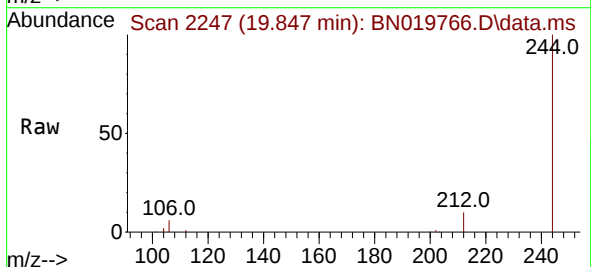
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

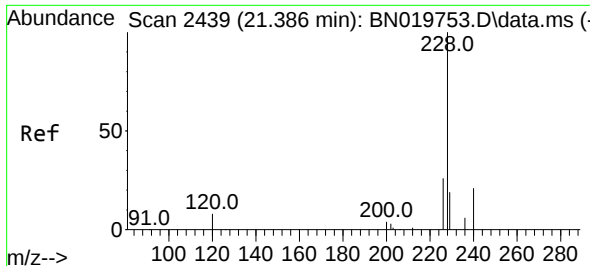
Tgt Ion:202 Resp: 3479000
Ion Ratio Lower Upper
202 100
200 21.2 16.6 25.0
203 17.7 14.2 21.2



#31
Terphenyl-d14
Concen: 64.620 ng
RT: 19.847 min Scan# 2247
Delta R.T. -0.000 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:244 Resp: 2620919
Ion Ratio Lower Upper
244 100
212 9.7 7.1 10.7
122 0.0 0.0 0.0

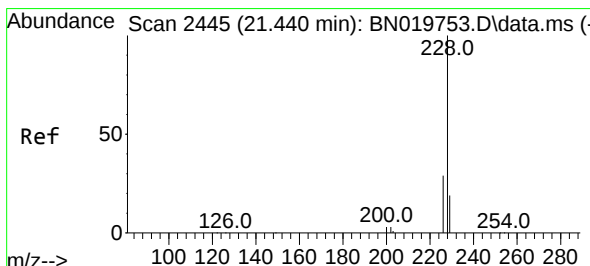
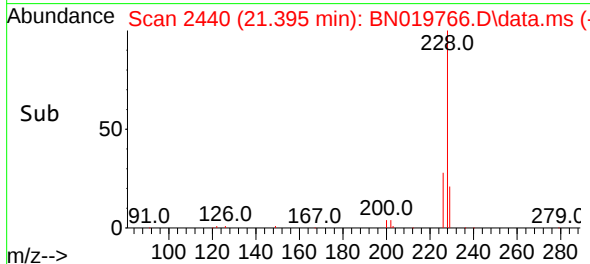
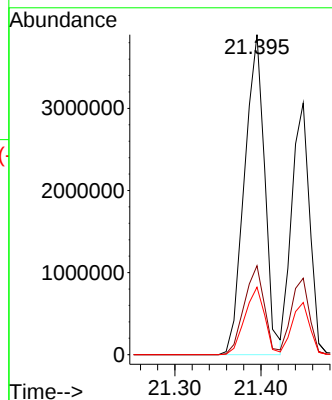
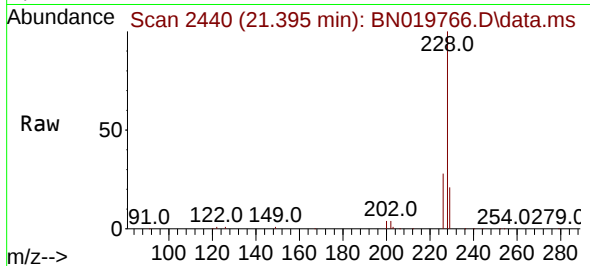




#32
Benzo(a)anthracene
Concen: 101.455 ng
RT: 21.395 min Scan# 2439
Delta R.T. 0.009 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

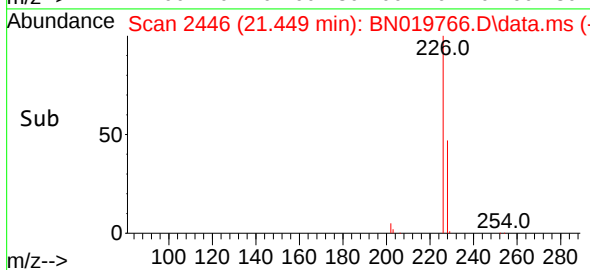
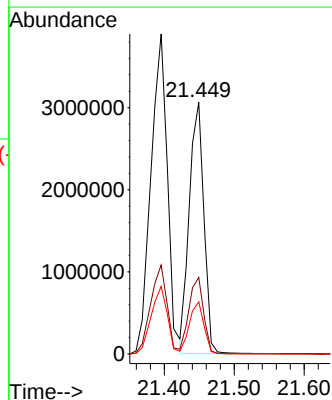
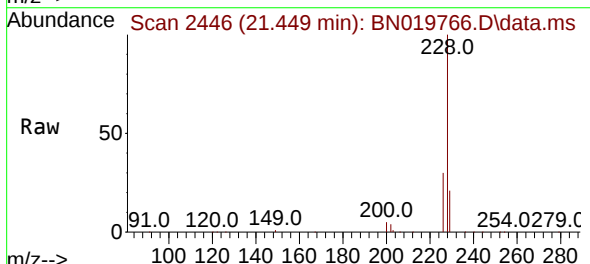
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

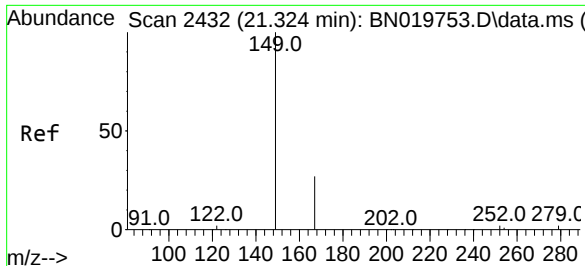
Tgt Ion:228 Resp: 6359479
Ion Ratio Lower Upper
228 100
226 27.8 21.2 31.8
229 21.1 15.6 23.4



#33
Chrysene
Concen: 63.248 ng
RT: 21.449 min Scan# 2446
Delta R.T. 0.009 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:228 Resp: 4445365
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 20.7 15.7 23.5

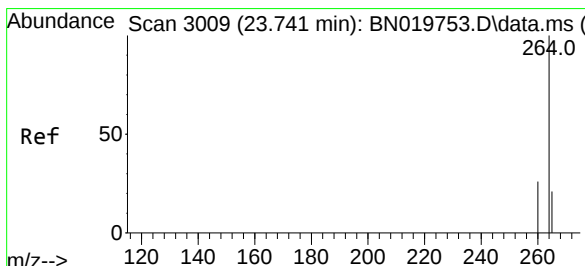
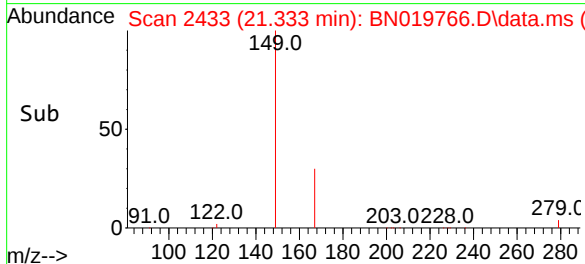
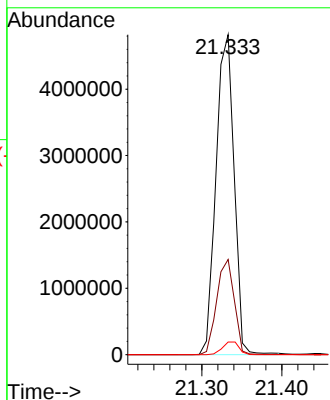
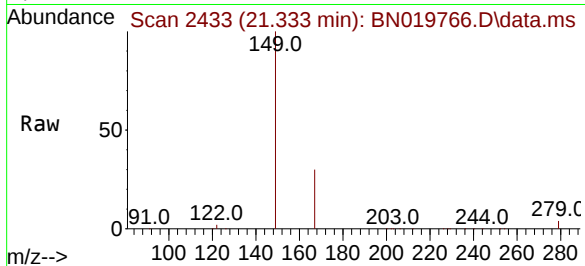




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 290.248 ng
 RT: 21.333 min Scan# 2432
 Delta R.T. 0.009 min
 Lab File: BN019766.D
 Acq: 13 May 2022 11:21

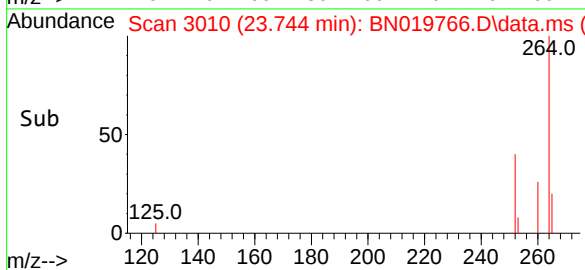
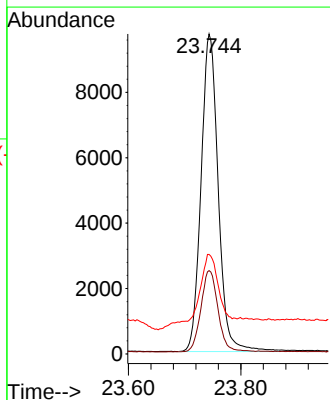
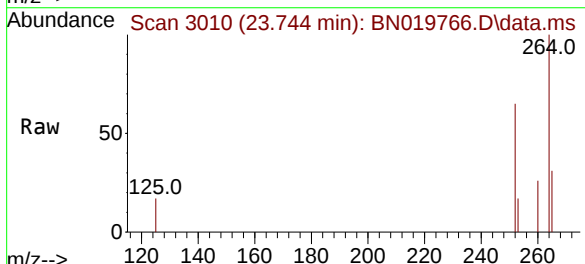
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

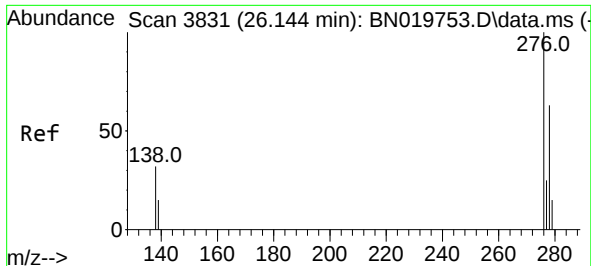
Tgt Ion:149 Resp: 7576838
 Ion Ratio Lower Upper
 149 100
 167 28.9 21.7 32.5
 279 3.7 2.2 3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.744 min Scan# 3010
 Delta R.T. 0.003 min
 Lab File: BN019766.D
 Acq: 13 May 2022 11:21

Tgt Ion:264 Resp: 20542
 Ion Ratio Lower Upper
 264 100
 260 26.0 20.9 31.3
 265 31.1 28.0 42.0

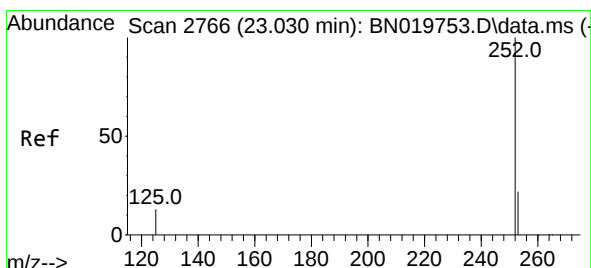
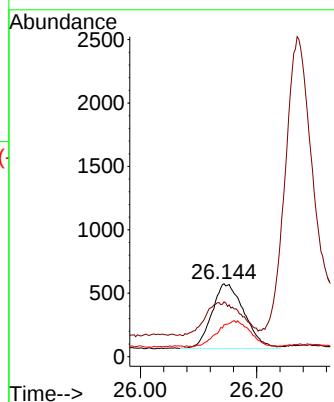
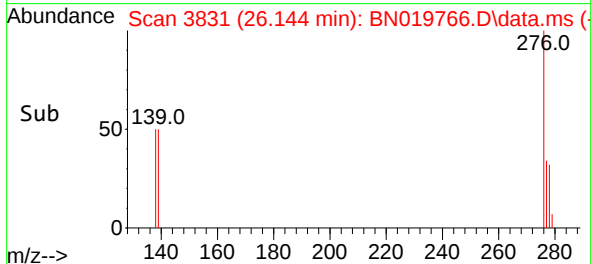
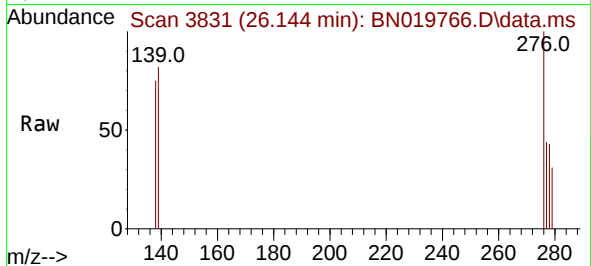




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.021 ng
RT: 26.144 min Scan# 3831
Delta R.T. -0.009 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

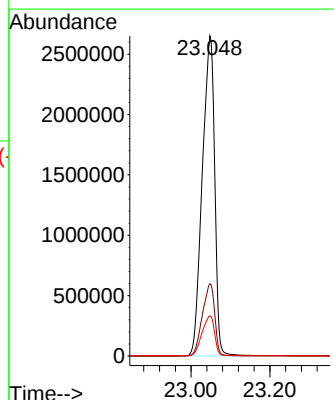
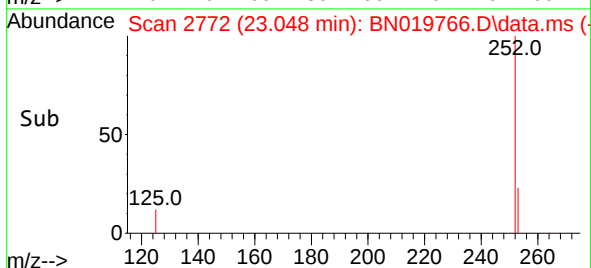
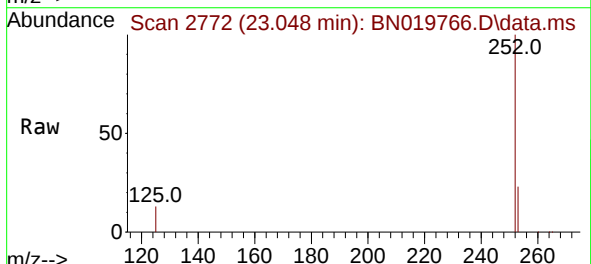
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

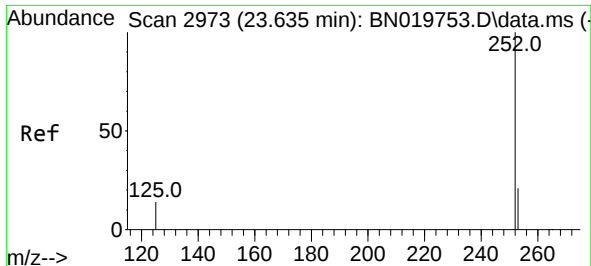
Tgt Ion:276 Resp: 1980
Ion Ratio Lower Upper
276 100
138 25.2 25.9 38.9#
277 0.0 19.8 29.8#



#37
Benzo(b)fluoranthene
Concen: 64.529 ng
RT: 23.048 min Scan# 2772
Delta R.T. 0.012 min
Lab File: BN019766.D
Acq: 13 May 2022 11:21

Tgt Ion:252 Resp: 5785822
Ion Ratio Lower Upper
252 100
253 22.6 18.5 27.7
125 12.5 11.4 17.0





#39

Benzo(a)pyrene

Concen: 58.344 ng

RT: 23.650 min Scan# 2973

Delta R.T. 0.009 min

Lab File: BN019766.D

Acq: 13 May 2022 11:21

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

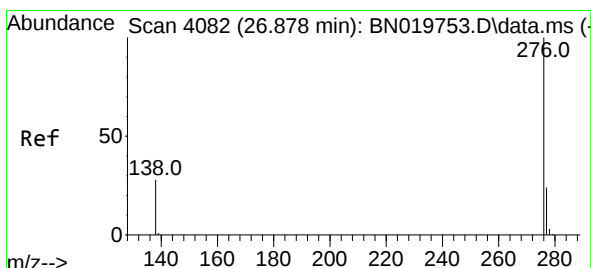
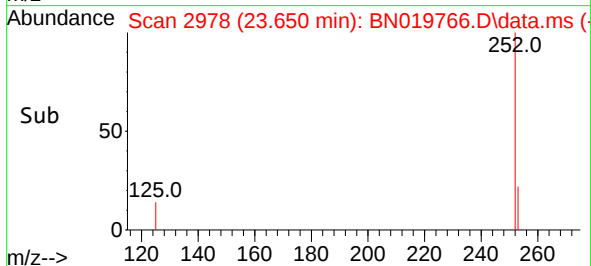
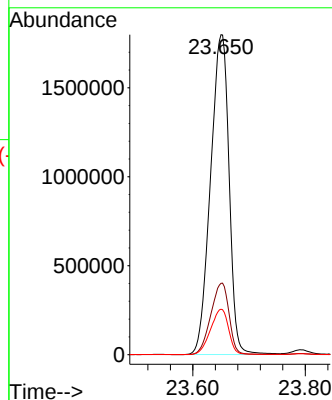
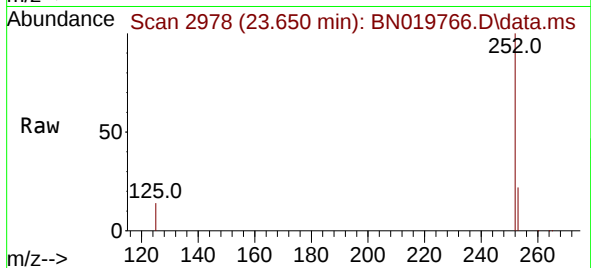
Tgt Ion:252 Resp: 4117150

Ion Ratio Lower Upper

252 100

253 22.3 19.0 28.4

125 14.2 13.8 20.8



#41

Benzo(g,h,i)perylene

Concen: 42.875 ng

RT: 26.901 min Scan# 4090

Delta R.T. 0.014 min

Lab File: BN019766.D

Acq: 13 May 2022 11:21

Tgt Ion:276 Resp: 3418946

Ion Ratio Lower Upper

276 100

277 23.8 19.5 29.3

138 28.4 22.6 34.0

